



# **Douglas Partners**

*Geotechnics | Environment | Groundwater*

Report on  
Preliminary Site Investigation for Contamination

Proposed Mixed Use Development  
19-27 Cross Street, Double Bay

Prepared for  
Tri-Anta Pty Ltd

Project 86397.00  
July 2020

Integrated Practical Solutions



## Document History

### Document details

|                     |  |              |            |
|---------------------|--|--------------|------------|
| Project No.         | 86397.00   | Document No. | R.002.Rev1 |
| Document title      | Report on Preliminary Site Investigation for Contamination<br>Proposed Mixed Use Development |              |            |
| Site address        | 19-27 Cross Street, Double Bay   |              |            |
| Report prepared for | Tri-Anta Pty Ltd   |              |            |
| File name           | 86397.00.R.002.Rev1 - PSI  |              |            |



### Document status and review

| Status     | Prepared by | Reviewed by | Date issued     |
|------------|-------------|-------------|-----------------|
| Revision 0 | Tom Graham  | Tim Wright  | 03 October 2018 |
| Revision 1 | Tom Graham  | Tim Wright  | 10 July 2020    |
|            |             |             |                 |
|            |             |             |                 |

### Distribution of copies

| Status     | Electronic | Paper | Issued to                             |
|------------|------------|-------|---------------------------------------|
| Revision 0 | 1          | 0     | Savvas Hadjimichael, Tri-Anta Pty Ltd |
| Revision 1 | 1          | 0     | Savvas Hadjimichael, Tri-Anta Pty Ltd |
|            |            |       |                                       |
|            |            |       |                                       |

The undersigned, on behalf of Douglas Partners Pty Ltd, confirm that this document and all attached drawings, logs and test results have been checked and reviewed for errors, omissions and inaccuracies.

| Signature  | Date         |
|--|--------------|
| Author    | 10 July 2020 |
| Reviewer  | 10 July 2020 |





## Table of Contents

|   | Page |
|---|------|
| 1. Introduction.....                                  | 1    |
| 2. Scope of Work.....                                 | 1    |
| 3. Site Identification and Description.....           | 3    |
| 3.1 Site Identification.....                          | 3    |
| 3.2 Site Layout and Description.....                  | 3    |
| 4. Geology, Hydrogeology and Acid Sulfate Soils.....  | 3    |
| 4.1 Regional Geology.....                             | 3    |
| 4.2 Soil Landscape.....                               | 4    |
| 4.3 Hydrogeology.....                                 | 4    |
| 4.4 Acid Sulfate Soils.....                           | 5    |
| 5. Previous Reports.....                              | 5    |
| 5.1 EIS, (2018a).....                                 | 6    |
| 5.2 EIS (2018b).....                                  | 7    |
| 6. Site Walkover.....                                 | 7    |
| 7. Conceptual Site Model.....                         | 7    |
| 7.1 Potential Contamination Sources.....              | 8    |
| 7.2 Potential Receptors.....                          | 8    |
| 7.2.1 Human Health Receptors.....                     | 8    |
| 7.2.2 Environmental Receptors.....                    | 8    |
| 7.3 Potential Pathways.....                           | 8    |
| 7.4 Summary of Potential Complete Pathways.....       | 9    |
| 8. Field Work Methods.....                            | 11   |
| 8.1 Soil Sampling Procedure.....                      | 11   |
| 8.2 Well Installation and Sampling Details.....       | 12   |
| 9. Field Work Results.....                            | 13   |
| 9.1 Hydrogeology.....                                 | 13   |
| 10. Laboratory Testing.....                           | 14   |
| 11. Site Assessment Criteria.....                     | 14   |
| 11.1 Soil.....  | 14   |
| 11.1.1 Health Investigation and Screening Levels..... | 14   |
| 11.1.2 Ecological Investigation Levels.....           | 17   |

|             |  |    |
|-------------|--|----|
| 11.1.3      | Ecological Screening Levels - Petroleum Hydrocarbons.....                                      | 18 |
| 11.1.4      | Management Limits - Petroleum Hydrocarbons .....   | 19 |
| 11.1.5      | Asbestos in Soil.....  | 20 |
| 11.2        | In-Situ Waste Classification .....   | 20 |
| 11.3        | Groundwater .....  | 20 |
| 11.3.1      | Groundwater Investigation Levels.....  | 20 |
| 11.3.2      | Health Screening Levels - Petroleum Hydrocarbons .....   | 22 |
| 12.         | Results of the Investigation .....   | 23 |
| 12.1        | Contamination Observations .....   | 23 |
| 12.2        | Assessment of Laboratory Results .....   | 23 |
| 12.2.1      | Laboratory Quality Assurance and Quality Control (QA / QC) .....                               | 23 |
| 12.2.2      | Soils .....  | 24 |
| 12.2.3      | Preliminary Waste Classification.....  | 24 |
| 12.2.4      | Groundwater .....  | 25 |
| 13.         | Conclusions and Recommendations .....  | 25 |
| 14.         | Limitations .....  | 26 |
| Appendix A: | About this Report  |    |
| Appendix B: | Drawing 1 - Borehole Locations   |    |
| Appendix C: | Previous Reports   |    |
| Appendix D: | Laboratory Certificates of Analysis<br>Chain of Custody Documentation<br>Sample Receipt Advice |    |
| Appendix E: | Groundwater Field Sheets<br>Explanatory Notes<br>Borehole Logs (BH1 to BH3)                    |    |
| Appendix F: | Tables F1 and F2 (Summary of Laboratory Test Results)  |    |

## **Report on Preliminary Site Investigation for Contamination Proposed Mixed Use Development 19-27 Cross Street, Double Bay**

---

### **1. Introduction**

This report presents the results of a Preliminary Site Investigation for Contamination (PSI) undertaken for a proposed mixed use development at 19-27 Cross Street, Double Bay. The investigation was commissioned in an email dated 11 May 2018 by Savvas Hadjimichael of SDH & Associates on behalf of Tri-Anta Pty Ltd, developer for the project, and was undertaken in accordance with Douglas Partners' proposal SYD180186 dated 10 May 2018.

It is understood that the development of the site will include a six-storey building over two levels of basement.

The objectives of the PSI were to:

- Identify potential areas and contaminants of environmental concern based on a review of historical information, past and present land uses and a site walkover;
- Undertake a limited subsurface investigation with sampling and laboratory testing for the presence of identified contaminants of concern; and
- Comment on the need for further investigation and / or management (if required) in order to determine the compatibility of the site for the proposed commercial and high density residential development.

This PSI was undertaken in conjunction with a geotechnical investigation with results reported separately in DP *Geotechnical and Groundwater Investigation, Proposed Mixed Use Development, 19-27 Cross Street, Double Bay*, Reference 86397.00.R.001.Rev0, dated September 2018 (DP, 2018).

This report must be read in conjunction with the notes *About this Report* which are included in Appendix A.

### **2. Scope of Work**

The scope of works for the PSI comprised the following:

- Site walkover by a DP engineer;
- Review of previous reports undertaken on the site;
- Collection of soil samples from each of the three boreholes drilled for geotechnical purposes, at regular intervals and where signs of contamination were observed (BH1 to BH3);

- Dispatch of selected soil samples (plus QA / QC samples) for quantitative analysis by a NATA accredited laboratory for a selection of the following contaminants of concern and parameters:
  - Metals (As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
  - Total recoverable hydrocarbons (TRH, screening for petroleum hydrocarbons - TPH);
  - Monocyclic aromatic hydrocarbons (benzene, toluene, ethylbenzene and xylene - BTEX);
  - Polycyclic aromatic hydrocarbons (PAH);
  - Phenols;
  - Organochlorine pesticides (OCP);
  - Organophosphorus pesticides (OPP);
  - Polychlorinated biphenyls (PCB);
  - Asbestos;
  - Ph;
  - TCLP; and
  - Collection / preparation and analysis of an intra-laboratory replicate soil samples for QA / QC purposes (metals TRH, BTEX and PAH).
- Collection of groundwater samples from the three onsite groundwater wells;
- Dispatch of the groundwater samples (plus QA / QC sample) for quantitative analysis by a NATA accredited laboratory for a selection of the following contaminants of concerns and parameters:
  - Metals (As, Cd, Cr, Cu, Fe, Pb, Hg, Ni, Zn)
  - TRH;
  - BTEX;
  - PAH;
  - Phenols;
  - OCP;
  - OPP;
  - PCB;
  - Asbestos; and
  - Collection / preparation and analysis of an intra-laboratory replicate groundwater samples for QA/QC purposes (metals TRH and BTEX).
- Preparation of this PSI report, detailing the methodology and results, providing comment on the suitability of the site for the proposed development, and recommendations for further investigations, remediation and management (as required). A preliminary waste classification has been included.

### 3. Site Identification and Description

#### 3.1 Site Identification

The site identification information is summarised in Table 1 below:

**Table 1: Site Identification Details**

| Item                     | Details                                 |
|--------------------------|---|
| Site Owner               | Tri-Anta Pty Limited                    |
| Site Address             | 19-27 Cross Street, Double Bay          |
| Current land use         | Commercial (retail outlets)             |
| Lot and Deposited Plan   | Lot 100, DP 617017                      |
| LEP Planning Zone        | B2: Local Centre                        |
| Council                  | Woollahra Council                       |
| Approximate Site Area    | 1,330 m <sup>2</sup>                    |
| Proposed future land-use | Commercial and high density residential |

#### 3.2 Site Layout and Description

The site comprises Lot 100, Deposited Plan 617017, and has the street address 19-27 Cross Street, Double Bay. The site covers an irregular, roughly rectangular area of approximately 1,330 m<sup>2</sup> and is bound by Cross Street to the south, Transvaal Avenue to the east and commercial style buildings to the north and west as shown on Drawing 1, Appendix B. Woollahra Municipal Council is the local government authority.

The site is occupied by a two storey commercial building, which was previously used as a shopping centre and offices. The site and surrounding land is relatively level (approximately 3.1 m AHD). The majority of neighbouring properties are used for commercial purposes such as retail stores and cafes. A hotel is located to the west. Two dry-cleaners are located to the south, on the opposite side of Cross Street.

### 4. Geology, Hydrogeology and Acid Sulfate Soils

#### 4.1 Regional Geology

Reference to the Sydney 1:100 000 Geological Series Sheet indicates that the site is underlain by filling over alluvial and estuarine sediments of the Quaternary Period. The alluvial and estuarine sediments comprise silty to peaty quartz sand, silt, and clay. The Triassic aged Hawkesbury Sandstone underlies these Quaternary deposits. Hawkesbury Sandstone generally comprises medium to coarse grained quartz sandstone with minor shale and laminite lenses. An extract from the Geological Sheet is shown in Figure 1.

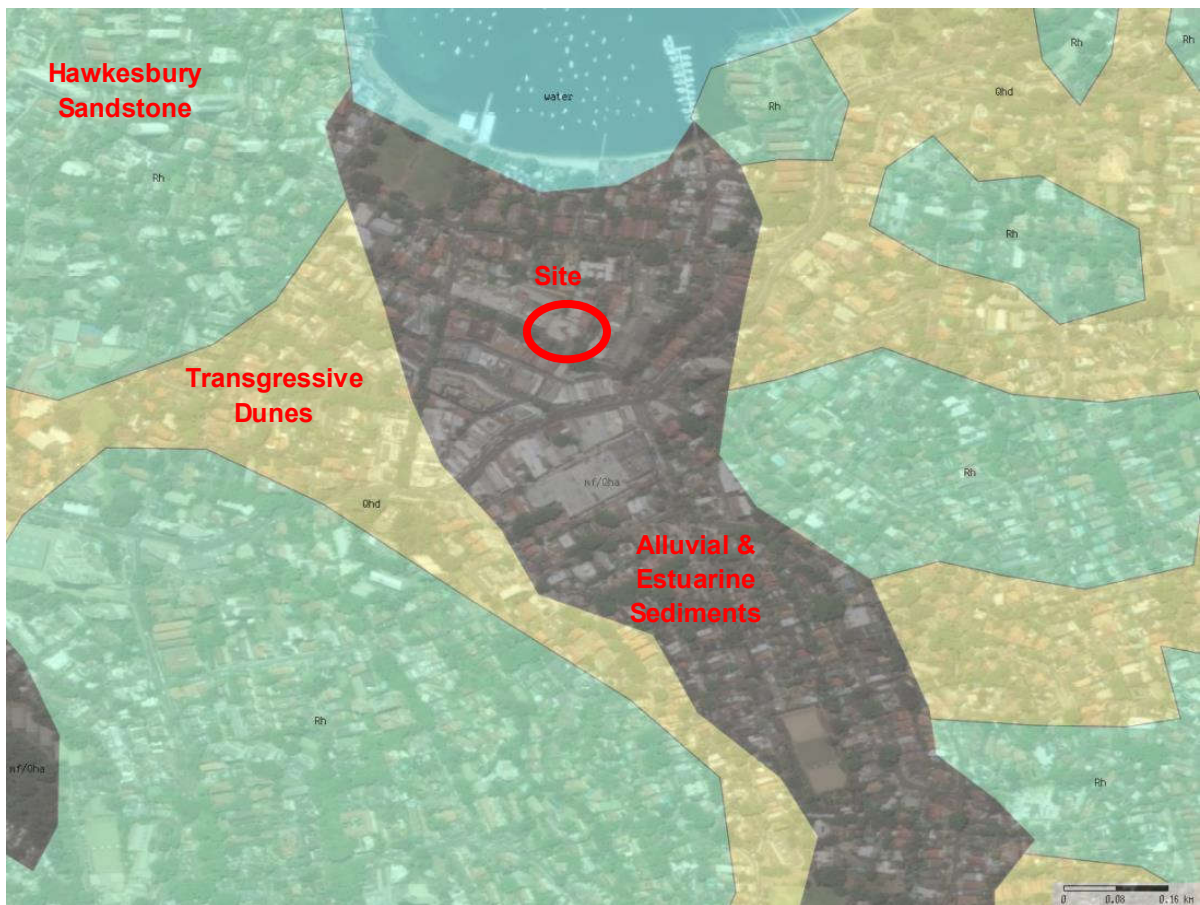


Figure 1: Extract from Sydney 1:100 000 Geological Series Sheet

## 4.2 Soil Landscape

The Sydney 1:100,000 Soils Landscape Sheet indicates that the site is underlain by disturbed terrain. The soil landscape typically occurs on level plains to hummocky terrain, and has been extensively disturbed by human activity including complete disturbance, removal or burial of soil. Turfed fill areas are commonly capped with up to 40 cm of sandy loam or up to 60 cm of compacted clay over fill or waste materials.

Dependent on nature of fill material the limitations include a mass movement hazard, unconsolidated low wet-strength materials, impermeable soil, poor drainage, localised very low fertility and toxic materials.

## 4.3 Hydrogeology

The nearest surface water receptor is Double Bay Creek (a concrete channel) flowing approximately 200 m to the east of the site. Double Bay Creek flows to Sydney Harbour approximately 300 m to the north of the site. The regional groundwater flow is considered likely to flow to the north towards Sydney Harbour.

The site and surrounding area is relatively level, so the direction of groundwater flow at the site is not easily anticipated, however, it is expected that the net groundwater flow in the area is towards the bay of Double Bay which is located approximately 300 m to the north. Stormwater at the site is expected enter the local stormwater system.

A search of the NSW Office of Water groundwater database revealed that 35 registered groundwater bores are located within 500 m of the site. A review of the work summaries for the five registered bores closest to the site (GW112100, GW112103, GW106048, GW106047 and GW107680) did not reveal any water quality data. The closest bores (GW112100 and GW112103) were located approximately 70 m to the south and west of the site and were authorised as monitoring bores. Bores GW106047 and GW106048 were located approximately 100 m and 110 m north east of the site and were authorised for domestic purposes and were installed to a depth of 6 m in sand. Bore GW107680 was located approximately 120 m to the north east of the site and was used for dewatering and installed to a depth of approximately 5 m in sand and silt.

#### 4.4 Acid Sulfate Soils

Based on published 1:25,000 Acid Sulfate Soil (ASS) Risk mapping data (1994-1998), the site is an area of 'disturbed terrain' where soil investigations are required to assess for ASS.

According to the Woollahra Local Environmental Plan 1995 – Acid Sulfate Soils Planning Map, March 2005, the site is located within Class 2 land. According to the Woollahra Municipal Council, Acid Sulfate Soils, Guide for preparing acid sulfate soils reports, 15 October 2004, for Class 2 land, an environmental risk is presented if there are works below the existing ground level or works by which the water table is likely to be lowered. Works include any disturbance of more than one tonne of soil (including building foundations) or any works that are likely to lower the water table.

An assessment for ASS was included in DP (2018).

### 5. Previous Reports

The following existing reports which relate to the site were provided by the client. The findings of the reports are summarised in the following sections.

- Environmental Investigation Services (EIS) *Report to Tri-Anta Pty Limited on Stage 1 Environmental Site Assessment for Proposed Mixed-Use Development at 19-27 Cross Street, Double Bay*, reference E31357KRpt dated 14 May 2018 (EIS, 2018a); and
- EIS *Addendum Letter to EIS Report – Summary of Site History Information Proposed Mixed-Use Development at 19-27 Cross Street, Double Bay*, reference E31357KRletADD dated 18 May 2018 (EIS, 2018b).



## 5.1 EIS, (2018a)

This report detailed the findings of a Stage 1 environmental site assessment undertaken by EIS (Appendix C) on the site in support of the lodgement of a development application for the site. The report included the following information:

- Site Information - Site identification, site location and setting, topography, site inspection, surrounding land use and section 149 planning certificate information;
- Geology and Hydrogeology - Regional geology, review of previous JK geotechnics / EIS jobs, acid sulfate soil risk and planning, hydrogeology and review of receiving water bodies;
- Site History - EIS reviewed historical aerial photographs, historical land title records, council records, SafeWork NSW records, NSW EPA records and historical business directory and additional Lotsearch information; and
- Conceptual Site Model.

EIS conducted a site walkover in April 2018, which included external accessible areas only. EIS concluded that the site was predominantly covered by a single storey brick shopping centre with paved surfaces. Surrounding land use was observed by EIS to be predominantly commercial and residential in nature, with an electricity transformer adjacent to the southern boundary, and two dry cleaners located 20 m to the south and south east of the site.

Woollahra Council Section 149 Certificate information provided for review indicated that the site is not located in an area of ecological significance, is not deemed to be: significantly contaminated; subject to a management order; subject of an approved voluntary management proposal; or subject to an on-going management order under the provisions of the CLM Act 1997, is not subject to a Site Audit Statement (SAS), and is not located in a heritage conservation area.

Woollahra Development Control Plan (DCP) 2015 includes a policy on contaminated land which may restrict the development of the land. This policy is implemented when zoning or land use changes are proposed on lands which have previously been used for certain purposes. Applicants must consider Council's DCP as well as State legislation including State Environmental Planning Policy No. 55 - Remediation of Land. Development on the land is subject to flood related development controls.

The Woollahra Local Environment Plan (LEP) 2014, Clause 6.1 (Acid Sulfate Soils) may require an assessment of acid sulfate soils for certain types of development located on certain land identified on the Acid Sulfate Soils Map of the LEP.

EIS reported that the site was located in an area of disturbed terrain as indicated on the Department of Land and Water Conservation (1997) ASS risk map, and as such a soil investigation is required to assess the area for PASS.

EIS reviewed historical information such as historical maps and aerial photographs from 1917 to 2016, historical land title deeds, council records, SafeWork NSW records, NSW EPA records, historical business directories and information provided by Lotsearch. The historical site information obtained and reviewed by EIS indicated that the site had been predominantly residential with some minor commercial activities from prior to 1941 until circa 1979, when the current commercial shopping centre was constructed. No dangerous goods licences were identified at the site and were not included on



the NSW EPA records pertaining to contaminated land and contaminating activity. No potential significantly contaminating activities are recorded to have been present on site.

EIS concluded that there was a moderate potential for site contamination and that the potential contamination sources / area of environmental concern were fill materials, use of pesticides, hazardous building materials, off-site electricity transformers, off-site historical motor service stations and motor mechanics and on-site and off-site historical commercial/industrial premises.

EIS recommended that a stage 2 intrusive soil and groundwater investigation be undertaken as well as an ASS assessment and a hazardous building materials survey prior to the demolition of the buildings. Further to this a waste classification was recommended for the proposed basement excavation. EIS concluded that the site could be made suitable for the proposed development subject to the implementation of their recommendations.

## **5.2 EIS (2018b)**

This letter is an addendum to EIS (2018a) and detailed the findings of the Woollahra Council historical land use records. EIS (2018b) indicated that historically the site had been used for a mix of residential and commercial purposes with no indications of any potentially contaminating activities.

## **6. Site Walkover**

A site walkover was undertaken on 17 May 2018. The site walkover was undertaken to check and identify (where possible) the likely presence, or otherwise, of potential sources of contamination with reference to the site history review, and to identify and comment on additional potential sources of contamination which were encountered/observed. Drawing 1 (Appendix B) shows the layout of the site.

The site walkover confirmed that the site is currently occupied by a two story U-shaped building containing retail outlets. A small raised garden bed was observed within the south east corner of the site. The site can be accessed from Cross Street to the south and Transvaal Avenue to the east.

The site is bounded by Cross Street to the south, Transvaal Avenue to the east, and commercial (retail outlets) to the north and west. The surrounding land uses are commercial and residential to the north and west, and commercial to the south and east.

## **7. Conceptual Site Model**

A Conceptual Site Model (CSM) is a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The CSM provides the framework for identifying how the site became contaminated and how potential receptors may be exposed to contamination either in the present or the future (*i.e.* it enables an assessment of the potential source - pathway - receptor linkages (complete pathways)).

## 7.1 Potential Contamination Sources

The site history review and site walkover indicated that the site contained residential properties until circa 1979. After which the site was redeveloped as a commercial retail outlet

The potential contamination sources and associated contaminants of concern are as follows:

S1 – Filling (metals, TRH, BTEX, PAH, PCB, OCP, OPP, phenols and asbestos);

S2 – Demolition of previous structures containing hazardous materials impacting surface soils. Potential contaminants associated with building materials include asbestos, lead (from lead-based paint) and PCB (from electrical fixtures);

S3 – Potential off-site sources (historical and current dry cleaners, electrical transformer and service station), with potential contaminants including metals, TRH, BTEX, PAH, phenols, PCBs and VOC; and

S4 – Potential hazardous building materials (asbestos, lead and PCB).

## 7.2 Potential Receptors

### 7.2.1 Human Health Receptors

Potential human health receptors include the following:

R1 – Current users (workers and visitors);

R2 – Construction and maintenance workers;

R3 – End users (commercial and residential); and

R4 – Land users in adjacent areas (commercial and residential).

### 7.2.2 Environmental Receptors

Potential environmental receptors include the following:

R5 – Groundwater;

R6 – Terrestrial ecology; and

R7 – Surface water.

## 7.3 Potential Pathways

Potential pathways for contamination present include the following:

P1 – Ingestion and dermal contact;

P2 – Inhalation of dust and/or vapours;

P3 – Surface water run-off;

P4 – Leaching of contaminants and vertical migration into groundwater;

P5 – Lateral migration of groundwater providing baseflow to watercourses; and

P6 – Direct contact with terrestrial ecology.

#### **7.4 Summary of Potential Complete Pathways**

A 'source - pathway - receptor' approach has been used to assess the potential risks of harm being caused to human or environmental receptors from contamination sources on or in the vicinity of the site, via transport pathways (potential complete pathways). The possible pathways between the above sources (S1 to S4) and receptors (R1 to R7) are provided below in Table 2.

**Table 2: Summary of Potential Complete Pathways**

| Source   | Transport Pathway   | Receptor   | Comments   |
|--|---|--|--|
| S1 – Filling: metals, TRH, BTEX, PAH, PCB, OCP, OPP, phenols and asbestos.<br><br>S2 – Demolition of previous structures: Asbestos, lead and PCB.                  | P1 – Ingestion and dermal contact.  | R1 – Current users (recreational).   | An intrusive investigation is required to assess possible contamination including chemical testing of the soil and groundwater.<br><br>See Note 1. |
|  | P2 – Inhalation of dust and/or vapours.   | R2 – Construction and maintenance workers.<br>R3 – End users (recreational).                                       |  |
|  | P2 – Inhalation of dust and/or vapours.   | R4 – Land users in adjacent areas (recreational and residential).  |  |
|  | P4 – Leaching of contaminants and vertical migration into groundwater.                                    | R5 – Groundwater.  |  |
|  | P3 – Surface water run-off.<br>P5 – Lateral migration of groundwater providing base flow to watercourses. | R7 – Surface water.  |  |
|  | P6 – Direct contact with terrestrial ecology.   | R6 – Terrestrial ecology.  |  |
| S4 – Hazardous building materials and buried service infrastructure<br>Asbestos, lead and PCB.   | P1 – Direct contact with soil (ingestion and dermal).<br>P2 – Inhalation of dust.                         | R2 – Construction and maintenance workers.   | A pre-demolition hazardous building materials survey of the building and buried service infrastructure is recommended prior to the demolition.     |
| S3 – Potential off-site impacts (historical and current dry cleaners, electrical transformer and service station)<br>metals, TRH, BTEX, PAH, Phenols, VOC and PCB. | P1 – Ingestion and dermal contact.<br>P2 – Inhalation of dust and/or vapours.                             | R1 – Current users (recreational).<br>R2 – Construction and maintenance workers.<br>R3 – End users (recreational). | An intrusive investigation is required to assess possible contamination including chemical testing of the soil and groundwater.<br><br>See Note 1. |
|  | P2 – Inhalation of dust and/or vapours.   | R4 – Land users in adjacent areas (recreational and residential).  |  |

1. It is proposed that leachability testing will be undertaken only if a viable complete pathway between on-site soil contamination and groundwater is identified. Should testing indicate a viable complete pathway between on-site soil contamination and groundwater via a leachable migration pathway then leachability testing (ASLP) may be required.

## 8. Field Work Methods

The field work for the investigation included three cone penetration tests (CPT) (CPT1, CPT2 and CPT3) and boreholes at the CPT locations (BH1, BH2 and BH3). The borehole locations are shown on Drawing 1 in Appendix B.

The test locations were positioned to be accessible to the truck mounted CPT and drilling rigs and, following a Dial-Before-You-Dig inquiry and search by an accredited locator, to avoid existing underground services.

Initially, paving and concrete surface at the test locations was Dia-cored until the underlying soil subgrade was exposed. The boreholes were drilled using 100 mm diameter augers to depths of up to 2.6 m below ground level (bgl). Samples were also taken for strata identification and laboratory testing. The boreholes were then backfilled with sand and CPT testing carried out to refusal at depths of between 18.42 m and 20.96 m bgl.

Following the CPT, boreholes were drilled at the same locations using a specialised truck mounted geotechnical drilling rig. The boreholes were drilled through the upper soil layers using solid flight augers until about groundwater level then extended using rotary wash boring techniques to depths in the of between 8.95 m and 10.45 m bgl.

Monitoring wells were installed in all the boreholes to facilitate measurement of groundwater levels in the longer term, water sampling for laboratory testing and permeability testing.

### 8.1 Soil Sampling Procedure

Soil samples for contamination testing purposes were collected from the boreholes using the following procedure:

- Collection of soil samples directly from the SPT tube and auger using disposable sampling equipment (note: sampling for contamination purposes was not undertaken during wash boring or coring). Care was taken whilst collecting the samples to remove any extraneous material;
- Collection of 10% replicate samples for QA / QC purposes;
- Transfer of samples into laboratory-prepared glass jars, filled to the top to minimise the headspace within the sample jar and capping immediately to minimise loss of volatiles. Replicate samples were placed into snap lock plastic bags for asbestos analysis;
- Labelling of sample containers with individual and unique identification, including project number, sample location and sample depth;
- Placement of the glass jars, with Teflon lined lid, into an ice cooled, insulated and sealed container for transport to the laboratory; and
- Chain-of-custody documentation was maintained at all times and countersigned by the receiving laboratory on transfer of samples.

Samples for environmental purposes were generally collected from the near surface, and at regular depth intervals or changes in strata within each borehole.

Envirolab Services Pty Ltd (NATA accreditation number: 2901) was used for the analysis of soil samples. The laboratory is required to carry out routine in-house QC procedures. The C-O-C documentation (Laboratory) is included in Appendix D.

## 8.2 Well Installation and Sampling Details

Groundwater monitoring wells were installed in all three boreholes as shown on Drawing 1, Appendix B. The wells were installed primarily for groundwater level measurements and a general indication of groundwater contamination potential. Field observations recorded the presence of possible free groundwater at between 2.1 m and 2.3 m bgl at the time of installation.

The monitoring wells were constructed of 50 mm diameter acid washed class 18 PVC casing and machine slotted well screen intervals. The screen was installed from the base of the well and extended to above the ground water level, where groundwater was observed.

Joints were screw threaded, thereby avoiding the use of glues and solvents which may contaminate the wells. Wells were backfilled with sand to the top of the screen (note: due to the shallow groundwater level this was not extended above the slotted screen to allow installation of the bentonite plug. A 0.3 m to 0.5 m thick bentonite plug was installed above the sand in each well extending to the surface. The well construction details and the ground surface levels are recorded on the logs in Appendix E.

Following installation, the wells were developed by removing a minimum five well volumes of groundwater using a submersible pump. The wells were allowed to recharge and groundwater levels re-measured including the measurement of phase separated hydrocarbons (PSH). No PSH were detected.

The wells were micro-purged on 22 June 2018 using a low flow pump (Geopump) until field parameters (pH, temperature, dissolved oxygen (DO), conductivity, total dissolved solids (TDS) and redox) readings stabilised. Once field parameters had stabilised, a sample was collected using a low flow pump. The sample was placed with a minimum of aeration into appropriately preserved bottles. For analysis of metals the relevant sample fraction was filtered using an in-line disposable 0.45 µ filter.

Details of the groundwater sampling are also provided on the groundwater field sheets provided in Appendix E.

## 9. Field Work Results

The subsurface conditions encountered in the boreholes and CPTs are summarised as follows:

**CONCRETE:** Concrete paving and concrete slabs to depths of between 0.16 m and 0.77 m bgl;

**FILLING:** Brown gravelly sand filling with building rubble (foam, glass, plastic, roof tile, fabric and cement fragments) to a depth of 0.70 m bgl in BH1; yellow brown sand to a depth of 0.25 m bgl in BH1;

**SAND:** Light grey, grey brown and yellow sand generally medium dense to depths of between 9 m and 10 m bgl, then very loose to loose to 13 m bgl, increasing to medium dense to very dense with some weaker clay and silt layers at depth; and

**BEDROCK:** Bedrock was inferred in all three CPTs at depths of between 18.4 m and 21.0 m bgl.

There were no signs of gross contamination observed (e.g. odours) during the drilling and sampling.

### 9.1 Hydrogeology

The results of the testing and previous experiences on numerous nearby sites indicate there is a shallow unconfined aquifer within the sand beneath the site. Groundwater was observed from 2.1 m depth below current surface levels and is expected to flow towards Double Bay which is located about 300 m to the north of the site. The results of groundwater measurements are summarised in Table 3.

**Table 3: Results of Groundwater Monitoring**

| Borehole | Surface Level (mAHD) | Date                               |            |              |            |               |            |                |            |
|----------|----------------------|------------------------------------|------------|--------------|------------|---------------|------------|----------------|------------|
|          |                      | During Drilling<br>17-18 June 2018 |            | 20 June 2018 |            | 5-6 July 2018 |            | 27 August 2018 |            |
|          |                      | Depth (m)                          | RL (m AHD) | Depth (m)    | RL (m AHD) | Depth (m)     | RL (m AHD) | Depth (m)      | RL (m AHD) |
| BH1      | 3.3                  | 2.2                                | 1.1        | 2.2          | 1.1        | 2.3           | 1.0        | 2.7            | 0.6        |
| BH2      | 3.3                  | 2.1                                | 1.2        | 2.3          | 1.0        | 2.4           | 0.9        | 2.8            | 0.5        |
| BH3      | 3.3                  | 2.3                                | 1.0        | 2.2          | 1.1        | 2.3           | 1.0        | 2.6            | 0.7        |

Groundwater monitoring on nearby sites carried out for longer periods using data loggers, indicated fluctuations in groundwater levels between RL 0.3 m and 1.6 m AHD, consistent with the results of periodic monitoring presented in Table 3. The groundwater levels appeared to change as a result of rainfall and to a much lesser extent changes in tide levels in the nearby Sydney Harbour (DP, 2018).

There was no signs of gross contamination observed (e.g., odours) during the drilling and sampling.

## 10. Laboratory Testing

EnviroLab Services Pty Ltd was commissioned to undertake analysis of selected soil and groundwater samples for contaminants of concern, as outlined in Section 7.

## 11. Site Assessment Criteria

### 11.1 Soil

The site is proposed to be developed as a mixed commercial and high density residential development, with two storeys of basement car parking, extending to the boundaries of the site. The specific construction details are not known at this stage, however, the most sensitive land use will be high density residential.

The Site Assessment Criteria (SAC) applied in the current investigation are informed by the CSM (refer to Section 6) which identified human and environmental receptors to potential contamination on the site. Analytical results were assessed (as a Tier 1 assessment) against the SAC comprising the investigation and screening levels of Schedule B1, *National Environment Protection (Assessment of Site Contamination) Measure* 1999, as amended 2013 (NEPC, 2013). The NEPC guidelines are endorsed by the NSW EPA under the *Contaminated Lands Management Act* 1997. Petroleum based health screening levels for direct contact and vapour inhalation from the *Cooperative Research Centre for Contamination Assessment and Remediation of the Environment (CRC CARE) Technical Report no.10 Health screening levels for petroleum hydrocarbons in soil and groundwater* (2011) as referenced by NEPC (2013) have not been considered in this assessment as these values are significantly higher than the soil vapour HSL adopted.

The investigation and screening levels are applicable to generic land use settings and include consideration of, where relevant, the soil type and the depth of contamination. The investigation and screening levels are not intended to be used as clean up levels. Rather, they establish concentrations above which further appropriate investigation (e.g., Tier 2 assessment) should be undertaken. They are intentionally conservative and are based on a reasonable worst-case scenario.

#### 11.1.1 Health Investigation and Screening Levels

The Health Investigation Levels (HIL) and Health Screening Levels (HSL) are scientifically-based, generic assessment criteria designed to be used in the first stage (Tier 1) of an assessment of potential human health risk from chronic exposure to contaminants.

HIL are applicable to assessing health risk arising via all relevant pathways of exposure for a range of metals and organic substances. The HIL are generic to all soil types and apply generally to a depth of 3 m below the surface.

HSL are applicable to selected petroleum compounds and fractions to assess the risk to human health via inhalation and direct contact pathways. HSL have been developed for different land uses, soil types and depths to contamination.



The generic HIL and HSL are considered to be appropriate for the assessment of contamination at the site. Given the proposed land use the adopted HIL and HSL are:

- **HIL-B/HSL-B** - residential with minimal opportunities for soil access, which also includes dwellings with fully and permanently paved yard space such as high-rise buildings and flats.

In addition, the HSL adopted are predicated on the inputs summarised in Table 4.

**Table 4: Inputs to the Derivation of HSLs**

| Variable                   | Input                              | Rationale  |
|----------------------------|------------------------------------|--|
| Potential exposure pathway | Soil vapour intrusion (inhalation) | Potential exposure pathways include vapour intrusion through concrete slabs from potentially contaminated filling or groundwater beneath the slab. There is also the risk of soil vapours during any excavation of potentially contaminated filling. |
| Soil Type                  | Sand                               | Sand was encountered in the boreholes.   |
| Depth to contamination     | 0 m to <1 m                        | A conservative approach has been adopted for this PSI.   |

The adopted soil HIL and HSL for the potential contaminants of concern are presented in Table 5.

**Table 5: Health Investigation and Screening Levels (HIL and HSL) in mg/kg unless otherwise indicated**

| <b>Contaminants</b> |  | <b>HIL-B</b> | <b>HSL-B<br/>Vapour Intrusion</b> |
|---------------------|--|--------------|-----------------------------------|
| <b>Metals</b>       | <b>Arsenic</b>                                       | 500          | NC                                |
|                     | <b>Cadmium</b>                                       | 150          | NC                                |
|                     | <b>Chromium (VI)</b>                                 | 500          | NC                                |
|                     | <b>Copper</b>  | 30 000       | NC                                |
|                     | <b>Lead</b>  | 1200         | NC                                |
|                     | <b>Mercury (inorganic)</b>                           | 120          | NC                                |
|                     | <b>Nickel</b>  | 1200         | NC                                |
|                     | <b>Zinc</b>  | 60 000       | NC                                |
| <b>PAH</b>          | <b>Benzo(a)pyrene TEQ<sup>1</sup></b>                | 4            | NC                                |
|                     | <b>Naphthalene</b>                                   | NC           | 3                                 |
|                     | <b>Total PAH</b>                                     | 400          | NC                                |
| <b>TRH</b>          | <b>C6 – C10 (less BTEX) [F1]</b>                     | NC           | 45                                |
|                     | <b>&gt;C10-C16 (less Naphthalene) [F2]</b>           | NC           | 110                               |
|                     | <b>&gt;C16-C34 [F3]</b>                              | NC           | NC                                |
|                     | <b>&gt;C34-C40 [F4]</b>                              | NC           | NC                                |
| <b>BTEX</b>         | <b>Benzene</b>                                       | NC           | 0.5                               |
|                     | <b>Toluene</b>                                       | NC           | 160                               |
|                     | <b>Ethylbenzene</b>                                  | NC           | 55                                |
|                     | <b>Xylenes</b>                                       | NC           | 40                                |
| <b>Phenol</b>       | <b>Pentachlorophenol (used as an initial screen)</b> | 130          | NC                                |
| <b>OCP</b>          | <b>Aldrin + Dieldrin</b>                             | 10           | NC                                |
|                     | <b>Chlordane</b>                                     | 90           | NC                                |
|                     | <b>DDT+DDE+DDD</b>                                   | 600          | NC                                |
|                     | <b>Endosulfan</b>                                    | 400          | NC                                |
|                     | <b>Endrin</b>  | 20           | NC                                |
|                     | <b>Heptachlor</b>                                    | 10           | NC                                |
|                     | <b>HCB</b>   | 15           | NC                                |
|                     | <b>Methoxychlor</b>                                  | 500          | NC                                |
| <b>OPP</b>          | <b>Chlorpyrifos</b>                                  | 340          | NC                                |

| Contaminants     | HIL-B | HSL-B<br>Vapour Intrusion |
|------------------|-------|---------------------------|
| PCB <sup>2</sup> | 1     | NC                        |

Notes:

- 1 sum of carcinogenic PAH
- 2 non dioxin-like PCBs only.
- NC No Criteria

### 11.1.2 Ecological Investigation Levels

Ecological Investigation Levels (EIL) have been derived for selected metals and organic compounds and are applicable for assessing risk to terrestrial ecosystems (NEPC, 2013). EIL depend on specific soil physiochemical properties and land use scenarios and generally apply to the top 2 m of soil, which corresponds to the root zone and habitation zone of many species. The EIL is determined for a contaminant based on the sum of the ambient background concentration (ABC) and an added contaminant limit (ACL). The ABC of a contaminant is the soil concentration in a specific locality that is the sum of naturally occurring background levels and the contaminants levels that have been introduced from diffuse or non-point sources (e.g. motor vehicle emissions). The ACL is the added concentration (above the ABC) of a contaminant above which further appropriate investigation and evaluation of the impact on ecological values is required.

The EIL is calculated using the following formula:

$$\text{EIL} = \text{ABC} + \text{ACL},$$

The ABC is determined through direct measurement at an appropriate reference site or through the use of methods defined by Olszowy et al *Trace element concentrations in soils from rural and urban areas of Australia*, Contaminated Sites monograph no. 4, South Australian Health Commission, Adelaide, Australia 1995 (Olszowy, 1995) or Hamon et al, *Geochemical indices allow estimation of heavy metal background concentrations in soils*, Global Biogeochemical Cycles, vol. 18, GB1014, (Hamon, 2004). ACL is based on the soil characteristics of pH, CEC and clay content.

EIL (and ACLs where appropriate) have been derived in NEPC (2013) for only a short list of contaminants comprising As, Cu, Cr (III), DDT, naphthalene, Ni, Pb and Zn. An *Interactive (Excel) Calculation Spreadsheet* may be used for calculating site-specific EIL for these contaminants, and has been provided in the ASC NEPM Toolbox available on the SCEW (Standing Council on Environment and Water) website (<http://www.scew.gov.au/node/941>).

The adopted EIL, derived from the *Interactive (Excel) Calculation Spreadsheet* are shown in the following Table 6. The following site specific data and assumptions have been used to determine the EILs:

- A protection level of 80% for urban residential and public open space land has been adopted;
- The EILs will apply to the top 2 m of the soil profile;
- Given the likely source of soil contaminants (i.e., historical filling) the contamination is considered as “aged” (>2 years);

- ABCs have been derived using the *Interactive (Excel) Calculation Spreadsheet* using input parameters of NSW and high for traffic volumes. No background concentration is assumed for lead (conservative);
- Based on average pH and CEC values for soils collected across the site, the following values have been used for the soil profile: pH = 7.6, CEC = 5 cmol<sub>e</sub>/kg and clay content assumed as 5%.

**Table 6: Ecological Investigation Levels (EIL) in mg/kg**

| Analyte |              | EIL  | Comments   |
|---------|--------------|------|--|
| Metals  | Arsenic      | 100  | Adopted pH of 7.6, CEC of 5 cmol <sub>e</sub> /kg and clay content 5 % |
|         | Copper       | 120  |  |
|         | Nickel       | 35   |  |
|         | Chromium III | 330  |  |
|         | Lead         | 1100 |  |
|         | Zinc         | 350  |  |
| PAH     | Naphthalene  | 170  |  |
| OCP     | DDT          | 180  |  |

### 11.1.3 Ecological Screening Levels - Petroleum Hydrocarbons

Ecological Screening Levels (ESL) are used to assess the risk of selected petroleum hydrocarbon compounds, BTEX and benzo(a)pyrene to terrestrial ecosystems. ESL apply to the top 2 m of the soil profile as for EIL.

ESL have been derived in NEPC (2013) for petroleum fractions F1 to F4 as well as BTEX and Benzo(a)pyrene. Site specific data and assumptions as summarised in Table 7 have been used to determine the ESL. The adopted ESL, from Table 1B (6), Schedule B1 of NEPC (2013) are shown in Table 8.

**Table 7: Inputs to the derivation of ESL**

| Variable                 | Input                                   | Rationale   |
|--------------------------|---|---|
| Depth of ESL application | Top 2 m of the soil profile             | The top 2 m depth below ground level corresponds to the root zone and habitation zone of many species.              |
| Land use                 | Commercial and high density residential | It has been assumed for this PSI that the activities on site will be a high density residential and commercial use. |
| Soil Texture             | Coarse                                  | Sand was encountered during the PSI (Section 8). Sand (coarse) has been adopted as an initial conservative screen.  |

**Table 8: Ecological Screening Levels (ESL) in mg/kg**

| Analyte |                                  | ESL  | Comments  |
|---------|----------------------------------|------|---|
| TRH     | C6 – C10 (less BTEX) [F1]        | 180* | *All ESLs are low reliability apart from those marked with * which are moderate reliability |
|         | >C10-C16 (less Naphthalene) [F2] | 120* |   |
|         | >C16-C34 [F3]                    | 300  |   |
|         | >C34-C40 [F4]                    | 2800 |   |
| BTEX    | Benzene                          | 50   |   |
|         | Toluene                          | 85   |   |
|         | Ethylbenzene                     | 70   |   |
|         | Xylenes                          | 105  |   |
| PAH     | Benzo(a)pyrene                   | 0.7  |   |

#### 11.1.4 Management Limits - Petroleum Hydrocarbons

In addition to appropriate consideration and application of the HSL and ESL, there are additional considerations which reflect the nature and properties of petroleum hydrocarbons, including:

- Formation of observable light non-aqueous phase liquids (LNAPL);
- Fire and explosion hazards;
- Effects on buried infrastructure e.g. penetration of, or damage to, in-ground services.

Management Limits to avoid or minimise these potential effects have been adopted in NEPC (2013) as interim Tier 1 guidance. Management Limits have been derived in NEPC (2013) for the same four petroleum fractions as the HSL (F1 to F4). The adopted Management Limits, from Table 1B (7), Schedule B1 of NEPC (2013) are shown in the following Table 9. The following site specific data and assumptions have been used to determine the Management Limits:

- The Management Limits will apply to any depth within the soil profile;
- The Management Limits for residential parkland public open space apply;
- Sand and gravel was encountered during the PSI (Section 8). Sand (coarse) has been adopted as an initial conservative screen.

**Table 9: Management Limits in mg/kg**

| Analyte |  | Management Limit |
|---------|--|------------------|
| TRH     | C <sub>6</sub> – C <sub>10</sub> (F1) #  | 700              |
|         | >C <sub>10</sub> -C <sub>16</sub> (F2) # | 1000             |
|         | >C <sub>16</sub> -C <sub>34</sub> (F3)   | 2500             |
|         | >C <sub>34</sub> -C <sub>40</sub> (F4)   | 10000            |

# Separate management limits for BTEX and naphthalene are not available hence these have not been subtracted from the relevant fractions to obtain F1 and F2

### 11.1.5 Asbestos in Soil

Bonded asbestos-containing material (ACM) is the most common form of asbestos contamination across Australia, generally arising from:

- Inadequate removal and disposal practices during demolition of buildings containing asbestos products;
- Widespread dumping of asbestos products and asbestos containing filling on vacant land and development sites; and
- Commonly occurring in historical filling containing unsorted demolition materials.

Mining, manufacturing or distribution of asbestos products may result in sites being contaminated by friable asbestos including free fibres. Severe weathering or damage to bonded ACM may also result in the formation of friable asbestos comprising fibrous asbestos (FA) and / or asbestos fines (AF).

Asbestos only poses a risk to human health when asbestos fibres are made airborne and inhaled. If asbestos is bound in a matrix such as cement or resin, it is not readily made airborne except through substantial physical damage. Bonded ACM in sound condition represents a low human health risk, whilst both FA and AF materials have the potential to generate, or be associated with, free asbestos fibres. Consequently, FA and AF must be carefully managed to prevent the release of asbestos fibres into the air.

A detailed asbestos assessment was not undertaken as part of these works therefore the presence or absence of asbestos at a limit of reporting of 0.1 g/kg has been adopted for this assessment as an initial screen.

## 11.2 In-Situ Waste Classification

A preliminary waste classification of the material was conducted with reference to EPA (2014).

## 11.3 Groundwater

### 11.3.1 Groundwater Investigation Levels

The Groundwater Investigation Levels (GIL) adopted in NEPC (2013) are based on:

- *Australian Drinking Water Guidelines* 2011 (ADWG);
- *Guidelines for Managing Risk in Recreational Waters* 2008 (GMRRW); and
- *National water quality management strategy. Australian and New Zealand guidelines for fresh and marine water quality* 2000 (ANZECC & ARMCANZ).

ANZECC & ARMCANZ has since been replaced by Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZAST, August 2018). Therefore, the GIL have been adjusted where necessary to comply with ANZAST (2018).

The potential receptors of impacted groundwater from the site include:

- Future occupants of the site (construction and maintenance workers, workers, visitors and residents);
- Workers conducting excavations, construction or maintenance works within the site or nearby the site (impacted groundwater);
- Domestic uses of groundwater hydraulically down-gradient of the site; and
- The water ecosystems of Double Bay Creek (a concrete channel) flowing approximately 200 m to the east of the site (the nearest surface water body recipient of groundwater flowing beneath the site).

The adopted GIL for the analytes included in the assessment (where applicable), and the corresponding source documents, are shown in Table 10.

**Table 10: Groundwater Investigation Levels (in µg/L unless otherwise stated)**

| <b>Analyte</b> |                    | <b>NEPC<br/>(2013)<br/>Fresh<sup>a</sup></b> | <b>NEPC (2013)<br/>Drinking Water<br/>mg/L</b> | <b>Comments</b>   |
|----------------|--------------------|--|--|---|
| <b>Metals</b>  | Arsenic (V)        | 13   | 0.01   | # Corrected for hardness ( <i>hard</i> ) in accordance with ANZECC & ARMCANZ (2000) |
|                | Cadmium            | 0.8 <sup>#</sup>                             | 0.002  |   |
|                | Chromium (VI)      | 0.4  | 0.05   |   |
|                | Copper             | 1.4  | 2  |   |
|                | Lead               | 13.4 <sup>#</sup>                            | 0.01   |   |
|                | Mercury (total)    | 0.6  | 0.001  |   |
|                | Nickel             | 43.3 <sup>#</sup>                            | 0.02   |   |
|                | Zinc               | 31.5 <sup>#</sup>                            | NC   |   |
| <b>PAH</b>     | Naphthalene        | 16   | NC   |   |
|                | Benzo(a)pyrene     | NC   | 0.00001  |   |
| <b>BTEX</b>    | Benzene            | 950  | 0.001  |   |
|                | Toluene            | NC   | 0.8  |   |
|                | Ethylbenzene       | NC   | 0.3  |   |
|                | Xylene (o)         | 350  | NC   |   |
|                | Xylene (p)         | 200  | NC   |   |
|                | Xylenes (Total)    | NC   | 0.6  |   |
| <b>OCP</b>     | Chlordane          | 0.08   | 0.002  |   |
|                | DDT                | 0.01   | 0.009  |   |
|                | Endosulfan         | 0.02   | 0.02   |   |
|                | Endrin             | 0.01   | NC   |   |
|                | Heptachlor         | 0.09   | NC   |   |
|                | Aldrin + Dieldrin  | NC   | 0.0003   |   |
|                | Heptachlor Epoxide | NC   | 0.0003   |   |

| Analyte |                         | NEPC<br>(2013)<br>Fresh <sup>a</sup> | NEPC (2013)<br>Drinking Water<br>mg/L | Comments   |
|---------|-------------------------|--------------------------------------|---------------------------------------|--|
| OPP     | Chlorpyrifos            | 0.01                                 | 0.01                                  |  |
|         | Diazinon                | 0.01                                 | 0.1                                   |  |
|         | Dimethoate              | 0.15                                 | 0.007                                 |  |
|         | Fenitrothion            | 0.2                                  | 0.007                                 |  |
|         | Ethion                  | NC                                   | 0.004                                 |  |
| PCB     | Aroclor 1242            | 0.6                                  | NC                                    |  |
|         | Aroclor 1254            | 0.03                                 | NC                                    |  |
| VOC     | Vinyl Chloride          | NC                                   | 0.003                                 | Given the exhaustive list of VOC contaminants, only those VOC concentrations with GIL have been included in this table |
|         | 1,1-dichloroethene      | NC                                   | 0.03                                  |  |
|         | Chloroform              | NC                                   | 0.003                                 |  |
|         | 1,2-dichloroethane      | NC                                   | 0.003                                 |  |
|         | 1,1,2-trichloroethane   | 6500                                 | NC                                    |  |
|         | Tetrachloroethene       | NC                                   | 0.05                                  |  |
|         | Chlorobenzene           | NC                                   | 0.3                                   |  |
|         | Styrene                 | NC                                   | 0.03                                  |  |
|         | 1,3- dichlorobenzene    | 260                                  | NC                                    |  |
|         | 1,4-dichlorobenzene     | 60                                   | 0.04                                  |  |
|         | 1,2-dichlorobenzene     | 160                                  | 1.5                                   |  |
|         | 1,2,4-trichlorobenzene  | 170                                  | 0.03                                  |  |
|         | Hexachlorobutadiene     | NC                                   | 0.0007                                |  |
|         | 1,2,3- trichlorobenzene | 10                                   | 0.3                                   |  |

Note:

a Investigation levels apply to typically slightly-moderately disturbed systems

### 11.3.2 Health Screening Levels - Petroleum Hydrocarbons

Health Screening Levels (HSL) are used to assess selected petroleum compounds and fractions to assess the risk to human health via inhalation and direct contact with affected soils and groundwater.

Depths to groundwater were noted between 2.1 - 2.3 m bgl. The proposed development includes a two level basement therefore parts of the basement will be below the recorded groundwater table. The generic HSL are not applicable where the depth to groundwater is less than 2 m. Therefore, the laboratory practical quantitation limits (PQL) have been adopted as an initial screen.



## 12. Results of the Investigation

### 12.1 Contamination Observations

There were no visual or olfactory indicators (i.e. staining or odours) to suggest the presence of contamination within the bores.

### 12.2 Assessment of Laboratory Results

#### 12.2.1 Laboratory Quality Assurance and Quality Control (QA / QC)

A field QAQC replicate was not assessed as part of this preliminary investigation. However, the analytical laboratory (Envirolab Services Pty Ltd) that was used is NATA accredited and required to conduct in-house QA / QC procedures. These are normally incorporated into every analytical run and include reagent blanks, spike recovery, surrogate recovery and duplicate samples. The following Table 11 shows the results of the laboratory quality control.

**Table 11: Laboratory QAQC**

| Item                         | Frequency           | Acceptance Criteria  | Achievement |
|------------------------------|---------------------|--|-------------|
| Analytical laboratories used |                     | NATA accreditation   | yes         |
| Holding times                |                     | In accordance with NEPC (2013) which references various Australian and international standards | yes         |
| Laboratory / Reagent Blanks  | 1 per lab batch     | <PQL   | yes         |
| Laboratory duplicates        | 10% primary samples | <5xPQL – any RPD; >5xPQL – 0-50%RPD  | yes         |
| Matrix Spikes                | 1 per lab batch     | 70-130% recovery (inorganics);<br>60-140% (organics);<br>10-140% (SVOC, speciated phenols)     | yes         |
| Surrogate Spikes             | organics by GC      | 70-130% recovery (inorganics);<br>60-140% (organics);<br>10-140% (SVOC, speciated phenols)     | yes         |
| Control Samples              | 1 per lab batch     | 70-130% recovery (inorganics);<br>60-140% (organics);<br>10-140% (SVOC, speciated phenols)     | yes         |

In summary, the QA / QC data is considered to be of sufficient quality to be acceptable for the assessment. These are included in the laboratory certificates in Appendix D.

### 12.2.2 Soils

A summary of the results of the laboratory analysis undertaken on the soil samples is presented in Table F1 in Appendix F.

The reported soil chemical analysis results were all within the adopted SAC with the exception of BaP at BH1/0.3-0.4 (1.1 mg/kg), which exceeds the ESL for urban residential coarse soil. The site is proposed to be developed as a high density residential with two storeys of basement car parking, extending to the boundaries of the site. Therefore, this exceedance is not considered significant as all filling will be removed from the site to accommodate the development. No asbestos was detected in the samples.

### 12.2.3 Preliminary Waste Classification

A preliminary waste classification of the material was conducted with reference to the six step process as set out in EPA (2014) guideline which is summarised in Table 12 below.

**Table 12: Six Step Classification**

| Step  | Classification | Rationale   |
|---|----------------|---|
| 1. Is it special waste?                                 | No             | No asbestos-containing materials (ACM), clinical or related waste, or waste tyres were observed in the test pits;<br><br>Asbestos was not detected by the analytical laboratory.  |
| 2. Is it liquid waste?                                  | No             | Waste composed of soil matrix ( <i>i.e.</i> no liquids)   |
| 3. Is the waste "pre-classified"?                       | No             | The fill is not pre-classified with reference to EPA (2014).<br><br>The natural material, if classified as VENM, is pre-classified as General Solid Waste (non-putrescible).  |
| 4. Does the waste have hazardous waste characteristics? | No             | The waste was not observed to contain or considered at risk to contain explosives, gases, flammable solids, oxidising agents, organic peroxides, toxic substances, corrosive substances, coal tar, batteries, lead paint or dangerous goods containers. |
| 5. Chemical Assessment                                  | Undertaken     | Refer to Table F1.  |
| 6. Is the waste putrescible?                            | No             | The fill does not contain materials considered to be putrescible <sup>a</sup> .   |

Note: <sup>a</sup> wastes that are generally not classified as putrescible include soils, timber, garden trimmings, agricultural, forest and crop materials, and natural fibrous organic and vegetative materials (EPA, 2014).

Contaminant threshold (CT) values for the waste classification are presented in Table F1, Appendix F.

A summary of the results of the laboratory analysis undertaken on the soil samples is presented in Table F1 in Appendix F.

The reported soil chemical analysis results were all within the contaminant thresholds (CT1s) for General Solid Waste (GSW) with the exception of lead at BH1/0.3-0.4 (190 mg/kg) and benzo(a)pyrene at BH1/0.3-0.4 (1.1 mg/kg), which falls into a Restricted Solid Waste (RSW) category without TCLP.

TCLP testing was undertaken on this sample and the SCC and TCLP concentrations were within the contaminant thresholds SCC1 and TCLP1, for GSW, respectively.

Based on the observations at the time of sampling and the reported analytical results, the filling within the site is preliminarily classified as **General Solid Waste (non-putrescible) (with TCLP)** as defined in EPA (2014).

The reported soil chemical analysis results for natural soils were all within typical published background concentrations with the exception of BaP at BH3/1.0-1.1 (0.06 mg/kg). The natural material within the site is preliminarily classified as virgin excavated natural material (VENM) as defined in EPA (2014). However, the area around BH3 should be visually inspected for the presence of filling and samples taken for further analysis.

#### 12.2.4 Groundwater

A summary of the results of the laboratory analysis undertaken on the groundwater samples is presented in Table F2 in Appendix F.

The reported groundwater chemical analysis results were all either less than the laboratory reporting limits and/or within the adopted SAC with the exception of copper (0.005 mg/L) in BH3 which is above the GILs for fresh water. It is noted that the site is located within a highly disturbed system and so this exceedance is considered likely to be reflective of background concentrations within the surrounding region.

### 13. Conclusions and Recommendations

Based on the findings of this PSI, which included only limited sampling and testing, the potential for significant contamination to be present within the site is considered to be low. It is considered that the site can be made suitable for the proposed commercial and high density residential development subject to the following:

1. Additional soil investigation once the site becomes more accessible (e.g., following demolition) to more broadly assess the contamination status, ASS potential and waste classification of soils;
2. If required on the basis of the information obtained from the additional soil investigation, preparation and implementation of a Remediation Action Plan (RAP); and
3. If required on the basis of the information obtained from the additional soil investigation, preparation and implementation of an acid sulfate soil management plan (ASSMP).

As the buildings are to be demolished a pre-demolition hazardous building materials survey of the buildings must be carried out prior to the demolition.

Based on the observations at the time of sampling and the reported analytical results, the filling within the site is preliminarily classified as **General Solid Waste (non-putrescible) (with TCLP)** and the natural material is preliminarily classified as VENM as defined in EPA (2014) apart from the area around BH3.

Given the preliminary nature of the assigned waste and VENM classifications, which were based on limited sampling, it is recommended that the waste and VENM classifications be confirmed by a qualified environmental consultant prior to and during bulk excavation.

## 14. Limitations

Douglas Partners (DP) has prepared this report for this project at 19-27 Cross Street Double Bay in accordance with DP's proposal SYD180186 dated 10 May 2018 and acceptance received from Savvas Hadjimichael dated 11 May 2018. The work was carried out under DP's Conditions of Engagement. This report is provided for the exclusive use of Tri-Anta Pty Ltd for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the sub-surface conditions on the site only at the specific sampling and/or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of human influences. Such changes may occur after DP's field testing has been completed.

DP's advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by DP in this report may be affected by undetected variations in ground conditions across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by DP. This is because this report has been written as advice and opinion rather than instructions for construction.

Asbestos has not been detected by observation or by laboratory analysis, either on the surface of the site, or in filling materials at the test locations sampled and analysed. Building demolition materials, such as concrete, tile, glass, foam and plastic were, however, located in previous below-ground filling, and these are considered as indicative of the possible presence of hazardous building materials (HBM), including asbestos.

Although the sampling plan adopted for this investigation is considered appropriate to achieve the stated project objectives, there are necessarily parts of the site that have not been sampled and analysed. This is either due to undetected variations in ground conditions or to budget constraints, or to parts of the site being inaccessible and not available for inspection/sampling. It is therefore considered possible that HBM, including asbestos, may be present in unobserved or untested parts of the site, between and beyond sampling locations, and hence no warranty can be given that asbestos is not present.

The contents of this report do not constitute formal design components such as are required, by the Health and Safety Legislation and Regulations, to be included in a Safety Report specifying the hazards likely to be encountered during construction and the controls required to mitigate risk. This design process requires risk assessment to be undertaken, with such assessment being dependent upon factors relating to likelihood of occurrence and consequences of damage to property and to life. This, in turn, requires project data and analysis presently beyond the knowledge and project role respectively of DP. DP may be able, however, to assist the client in carrying out a risk assessment of potential hazards contained in the Comments section of this report, as an extension to the current scope of works, if so requested, and provided that suitable additional information is made available to DP. Any such risk assessment would, however, be necessarily restricted to the (geotechnical / environmental / groundwater) components set out in this report and to their application by the project designers to project design, construction, maintenance and demolition.

---

**Douglas Partners Pty Ltd**

---

## Appendix A

---

About This Report

# About this Report

# Douglas Partners



## Introduction

These notes have been provided to amplify DP's report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

DP's reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

## Copyright

This report is the property of Douglas Partners Pty Ltd. The report may only be used for the purpose for which it was commissioned and in accordance with the Conditions of Engagement for the commission supplied at the time of proposal. Unauthorised use of this report in any form whatsoever is prohibited.

## Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

## Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;

- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report; and
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

## Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, DP will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, DP cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, DP will be pleased to assist with investigations or advice to resolve the matter.

# *About this Report*

## **Site Anomalies**

In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, DP requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

## **Information for Contractual Purposes**

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. DP would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

## **Site Inspection**

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.

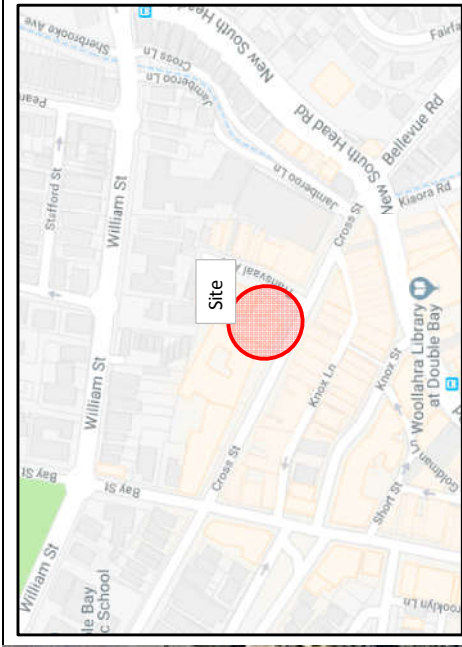
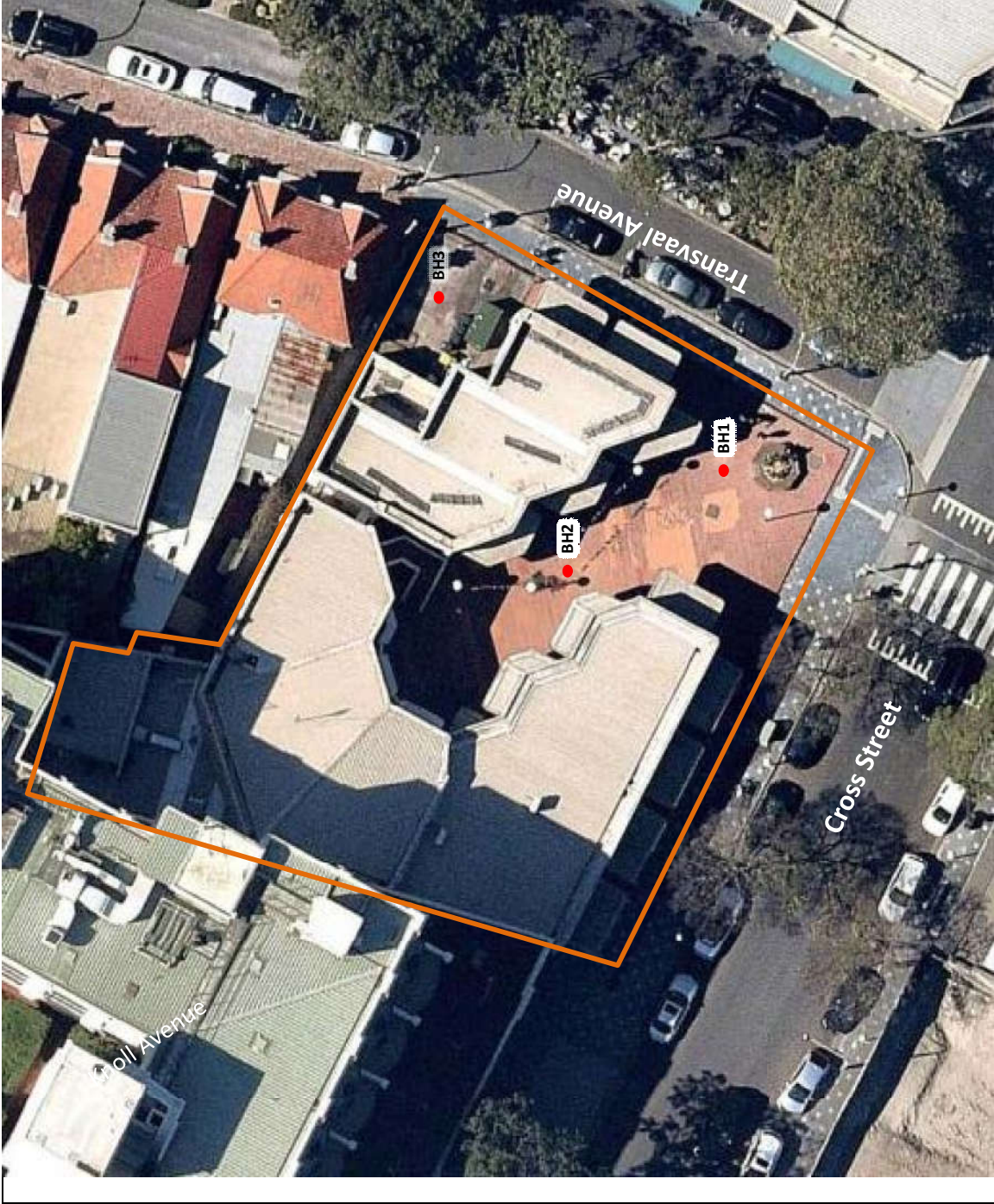


---

## **Appendix B**

---

Drawing 1 - Borehole Locations



**Legend**

- - Approximate Borehole Locations
- Site Boundary

Source: Nearmap

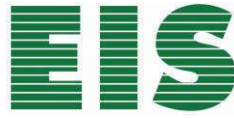
|  |  |  |  |  |  |  |  |             |          |
|--|--|--|--|--|--|--|--|-------------|----------|
| <b>Douglas Partners</b><br>Geotechnics   Environment   Groundwater |  |  |  | <b>Borehole Locations</b>                    |  |  |  | PROJECT No: | 86397.00 |
| CLIENT: Tri-Anta Pty Ltd   |  |  |  | TITLE: <b>Proposed Mixed Use Development</b> |  |  |  | DRAWING No: | 1        |
| OFFICE: Sydney   |  |  |  | 19-27 Cross St, Double Bay                   |  |  |  | REVISION:   | B        |
| SCALE: Not to Scale  |  |  |  | DRAWN BY: TG                                 |  |  |  |             |          |
|  |  |  |  | DATE: 25/9/2018                              |  |  |  |             |          |

---

## Appendix C

---

Previous Reports



## ENVIRONMENTAL INVESTIGATION SERVICES

18 May 2018  
Ref: E31357KRlet-ADD

Tri-Anta Pty Limited  
C/- SDHA Pty Ltd  
Suite 1003, Level 10  
276 Pitt Street  
Sydney NSW 2000

Attention: Savvas Hadjimichael

**ADDENDUM LETTER TO EIS REPORT – SUMMARY OF SITE HISTORY INFORMATION**  
**PROPOSED MIXED-USE DEVELOPMENT**  
**19-27 CROSS STREET, DOUBLE BAY**

### **1 INTRODUCTION**

This letter forms an addendum to the EIS report titled '*Report to Tri-Anta Pty Limited, on Stage 1 Environmental Site Assessment for Proposed Mixed-Use Development, at 19-27 Cross Street, Double Bay*' (EIS Ref: E31357KRrpt, dated 17 May 2018<sup>1</sup>).

This letter summarises the following site history information which was received after the completion of the EIS Stage 1 ESA report:

- Local Council Information.

This letter should be read in conjunction with the EIS Stage 1 ESA report.

### **2 SUMMARY OF SITE HISTORY INFORMATION**

#### **2.1 Review of Strathfield City Council Information**

Council records available under the access to public information were reviewed for the assessment on 17 May 2018. The council records indicated the following:

- The records pertained to the use of the former/current building/structures on 19-27 Cross Street, Double Bay and any alterations, additions or developments to the property. These records dated as far back as 1927;

---

<sup>1</sup> Referred to as EIS Stage 1 ESA Report



- The records indicated that construction of residential flats had been undertaken on Lot No. 5 “Heath” Subdivision after December 1927 (BA 27/0464);
- A brick garage was built at 19 Cross Street property after September 1953 (BA 53/0237);
- The residential flats and detached cottages were demolished and a single storey shopping complex (with three sections of shops) was developed after October 1978 (DA 204/78 and BA 1033/78);
- The 19-27 Cross Street land was purchased on 28 February 1979 and developed for retail (DA 308/78);
- The buildings at the site were demolished after April 1979 (BA 326/79);
- Permission to construct (the shopping centre) at the site was granted in June 1979 (BA 404/79);
- Shop No. 9 was permitted to be used as a retail dress shop after January 1980 (DA 307/79);
- Retail shop No. 2 was converted to a high class fashion dress shop after March 1980 (DA 50/80);
- Shop No. 5 was operated as a coffee lounge café after April 1980 (DA 47/80);
- Shop No. 7 was operated as a hair dressing salon after April 1980 (DA 88/80);
- Shop No. 6 was operated as a butcher’s shop after May 1980 (DA 86/80);
- Shop No. 3 was operated as a menswear retail shop after May 1980 (DA 98/80);
- Shop No. 1 was operated as a women’s clothing shop after June 1980 (DA 146/80);
- Shop No. 8 was operated as a women’s fashion retail clothing shop after July 1980 (DA 166/80);
- Shop No. 5 was used as a coffee lounge café. The adjoining shop No. 6 was used for storage of outdoor equipment, hot water service and general merchandise held in shop No. 5. The remaining half of shop No. 6 was amalgamated into the indoor facilities of the café. All this was undertaken after July 1980 (DA 160/80);
- Shops Nos 5 and 6 were operated as a coffee lounge café after September 1980 (DA 202/80);
- Shop No. 10 was operated as a showroom for the display of baths, toilets and bidets after September 1980 (DA 80/002);
- Shop No. 11 was changed from retail to dental surgery after January 1991 (DA 90/269);
- Alterations and additions were undertaken in shop No. 4 after June 1992 (DA 92/1240 and BA 92/0374);
- Shop No. 5 underwent a shop fitout and a change of use to a restaurant after May 1998 (DA 98/1249 and BA 299/98);
- Shop No. 6 underwent alterations and additions and shop fitout after December 1999 (DA 99/1448 and CC 5/00);
- A change was done in the business hours of the existing restaurant at shop No. 5, the external seating was reduced and the internal seating was increased after April 2002 (DA 1027/01/1). The hours of operation was again modified after January 2004 (DA 1027/01/2);
- Suites 10, 11 and 12 underwent shop fitout and were changed to a beauty parlour and beauty product outlet after March 2004 (DA 32/2004/1);
- Shop No. 3 underwent internal fitout and acquired a new shop front after April 2004 (DA 148/2004/1 and CC 04/148); and
- Shop No. 4 underwent reconfiguration of the existing shop front to the original configuration and fitout of the existing space for use as a retail shop after June 2005 (DA 299/2005/1 and CC 05/0299).

### **3      CONCLUSION**

The above data does not alter the conclusion or recommendations outlined in the EIS Stage 1 ESA report.

### **4      LIMITATIONS**

This letter has been prepared for the particular project described and no responsibility is accepted for the use of any part of this letter in any other context or for any other purpose. Copyright in this letter is the property of EIS.

EIS has used a degree of care, skill and diligence normally exercised by consulting engineers/scientists in similar circumstances and locality. No other warranty expressed or implied is made or intended. Subject to payment of all fees, the client alone shall have a licence to use this letter.

If you have any questions concerning the contents of this letter please do not hesitate to contact us.  
Kind Regards



Priya Dass  
Senior Environmental Scientist



Adrian Kingswell  
Principal





ENVIRONMENTAL INVESTIGATION SERVICES

# REPORT

TO

**TRI-ANTA PTY LIMITED**

ON

**STAGE 1 ENVIRONMENTAL SITE ASSESSMENT**

FOR

**PROPOSED MIXED-USE DEVELOPMENT**

AT

**19-27 CROSS STREET, DOUBLE BAY**

**14 MAY 2018**

**REF: E31357KRrpt**



Postal Address: PO Box 976, North Ryde BC NSW 1670

Tel: 02 9888 5000 • Fax: 9888 5004

EIS is a division of Jeffery and Katauskas Pty Ltd • ABN 17 003 550 801

| Document Distribution Record |                  |             |
|------------------------------|------------------|-------------|
| Report Reference             | Distribution     | Report Date |
| E31357KRpt                   | Client via email | 14 May 2018 |

Report prepared by:



Priya Dass  
Senior | Environmental Scientist

Report reviewed by:



Adrian Kingswell  
Principal | Environmental Scientist

© Document Copyright of Environmental Investigation Services (EIS)

This Report (which includes all attachments and annexures) has been prepared by EIS for the Client, and is intended for the use only by that Client.

This Report has been prepared pursuant to a contract between EIS and the Client and is therefore subject to:

- EIS proposal in respect of the work covered by the Report;
- The limitations defined in the client's brief to EIS; and
- The terms of contract between EIS and the Client, including terms limiting the liability of EIS.

If the Client, or any person, provides a copy of this Report to any third party, such third party must not rely on this Report, except with the express written consent of EIS which, if given, will be deemed to be upon the same terms, conditions, restrictions and limitations as apply by virtue of (a), (b), and (c) above.

Any third party who seeks to rely on this Report without the express written consent of EIS does so entirely at their own risk and to the fullest extent permitted by law, EIS accepts no liability whatsoever, in respect of any loss or damage suffered by any such third party.



## **TABLE OF CONTENTS**

|          |  |           |
|----------|--|-----------|
| <b>1</b> | <b>INTRODUCTION</b>  | <b>1</b>  |
| 1.1      | Proposed Development Details   | 1         |
| 1.2      | Aim and Objectives   | 1         |
| 1.3      | Scope of Work  | 1         |
| <b>2</b> | <b>SITE INFORMATION</b>  | <b>3</b>  |
| 2.1      | Site Identification  | 3         |
| 2.2      | Site Location and Regional Setting   | 3         |
| 2.3      | Topography   | 3         |
| 2.4      | Site Inspection  | 3         |
| 2.5      | Surrounding Land Use   | 5         |
| 2.6      | Section 149 Planning Certificate   | 5         |
| <b>3</b> | <b>GEOLOGY AND HYDROGEOLOGY</b>  | <b>7</b>  |
| 3.1      | Regional Geology   | 7         |
| 3.2      | JK / EIS Jobs Database   | 7         |
| 3.3      | Acid Sulfate Soil Risk and Planning  | 7         |
| 3.4      | Hydrogeology   | 7         |
| 3.5      | Receiving Water Bodies   | 8         |
| <b>4</b> | <b>SITE HISTORY INFORMATION</b>  | <b>9</b>  |
| 4.1      | Review of Historical Aerial Photographs                                      | 9         |
| 4.2      | Review of Historical Land Title Records                                      | 10        |
| 4.3      | Review of Council Records  | 10        |
| 4.4      | SafeWork NSW Records   | 10        |
| 4.5      | NSW EPA Records  | 10        |
| 4.6      | Historical Business Directory and Additional Lotsearch Information           | 11        |
| 4.7      | Summary of Site History Information  | 13        |
| 4.8      | Integrity of Site History Information  | 13        |
| <b>5</b> | <b>CONCEPTUAL SITE MODEL</b>   | <b>14</b> |
| 5.1      | Potential Contamination Sources/AEC and CoPC                                 | 14        |
| 5.2      | Mechanism for Contamination, Affected Media, Receptors and Exposure Pathways | 15        |
| 5.3      | Assessment of Data Gaps  | 16        |
| <b>6</b> | <b>CONCLUSIONS</b>   | <b>17</b> |
| 6.1      | Contamination Sources/AEC and Potential for Site Contamination               | 17        |
| 6.2      | Assessment of the Need for Further Investigation                             | 17        |
| 6.3      | Conclusions and Recommendations  | 17        |
| <b>7</b> | <b>LIMITATIONS</b>   | <b>19</b> |

List of In-Text Tables

Important Information About this Report

Report Figures

Appendices:

Appendix A: Site Information

Appendix B: Site History Information

## **ABBREVIATIONS**

|   |       |
|---|-------|
| Asbestos Containing Material                  | ACM   |
| Area of Environmental Concern                 | AEC   |
| Australian Height Datum                       | AHD   |
| Acid Sulfate Soil                             | ASS   |
| Above-Ground Storage Tank                     | AST   |
| Below Ground Level                            | BGL   |
| Bureau of Meteorology                         | BOM   |
| Benzene, Toluene, Ethylbenzene, Xylene        | BTEX  |
| Cation Exchange Capacity                      | CEC   |
| Contaminant(s) of Potential Concern           | CoPC  |
| Contaminated Land Management                  | CLM   |
| Conceptual Site Model                         | CSM   |
| Environmental Investigation Services          | EIS   |
| Environmental Protection Authority            | EPA   |
| Environmental Site Assessment                 | ESA   |
| International Organisation of Standardisation | ISO   |
| Local Government Authority                    | LGA   |
| Metres Below Ground Level                     | mBGL  |
| National Association of Testing Authorities   | NATA  |
| National Environmental Protection Measure     | NEPM  |
| Non-Aqueous Phase Liquid                      | NAPL  |
| Organochlorine Pesticides                     | OCP   |
| Organophosphate Pesticides                    | OPP   |
| Polycyclic Aromatic Hydrocarbons              | PAH   |
| Remediation Action Plan                       | RAP   |
| Sampling, Analysis and Quality Plan           | SAQP  |
| Site Audit Statement                          | SAS   |
| Site Audit Report                             | SAR   |
| Semi-Volatile Organic Compounds               | sVOC  |
| Standing Water Level                          | SWL   |
| Total Recoverable Hydrocarbons                | TRH   |
| United States Environmental Protection Agency | USEPA |
| Underground Storage Tank                      | UST   |
| Volatile Organic Compounds                    | VOC   |
| WorkHealth and Safety                         | WHS   |

## **1 INTRODUCTION**

Tri-Anta Pty Limited ('the client') commissioned Environmental Investigation Services (EIS)<sup>1</sup> to undertake a Stage 1 Environmental Site Assessment (ESA) for the proposed mixed-use development at 19-27 Cross Street, Double Bay. The site location is shown on Figure 1 and the assessment was confined to the site boundaries as shown on Figure 2.

This report has been prepared to support the lodgement of a Development Application (DA) for the proposed mixed-use development.

A geotechnical desktop investigation was undertaken in conjunction with this assessment by JK Geotechnics<sup>2</sup>. The results of the investigation are presented in a separate report (Ref. 31357Srpt, dated 3 April, 2018)<sup>3</sup>.

### **1.1 Proposed Development Details**

Based on the details provided, EIS understand that the proposed development includes demolishing the existing shopping centre and the construction of an eight level mixed-use (retail and residential) building over a two level basement carpark. The lower basement level (Basement Level 2) will require excavation to approximately 6m below existing surface levels and extend up to or very close to the site boundaries.

### **1.2 Aim and Objectives**

The primary aims of the assessment were to identify past or present potentially contaminating activities at the site, identify the potential for site contamination, assess the need for further investigation, and make a preliminary assessment of the suitability of the site for the proposed development. The assessment objectives were to:

- Provide an appraisal of the past site use(s) based on a review of historical records;
- Assess the current site conditions and use via a site walkover inspection;
- Identify potential contamination sources/areas of environmental concern (AEC) and contaminants of potential concern (CoPC);
- Prepare a conceptual site model (CSM); and
- Assess whether an intrusive investigation is required.

### **1.3 Scope of Work**

The assessment was undertaken generally in accordance with an EIS proposal (Ref: EP46640KR) of 21 February 2018 and written email acceptance from SDHA and Associates Pty Limited on behalf of the client of 14 March 2018. The scope of work included the following:

---

<sup>1</sup> Environmental consulting division of Jeffery & Katauskas Pty Ltd (J&K)

<sup>2</sup> Geotechnical consulting division of J&K

<sup>3</sup> Referred to as JK 2018 Report

- Review of site information, including background and site history information from a Lotsearch Pty Ltd *Environmental Risk and Planning Report* and other sources;
- A walkover site inspection; and
- Preparation of an ESA report presenting the results of the assessment, including a CSM.

The report was prepared with reference to regulations/guidelines outlined in the table below. Individual guidelines are also referenced within the text of the report.

Table 1-1: Guidelines

| Guidelines/Regulations/Documents   |
|--|
| Contaminated Land Management Act (1997) <sup>4</sup>   |
| State Environmental Planning Policy No.55 – Remediation of Land (1998) <sup>5</sup>                              |
| Managing Land Contamination, Planning Guidelines SEPP55 – Remediation of Land (1998) <sup>6</sup>                |
| Guidelines for Consultants Reporting on Contaminated Sites (2011) <sup>7</sup>                                   |
| Guidelines for the NSW Site Auditor Scheme, 3 <sup>rd</sup> Edition (2017) <sup>8</sup>                          |
| National Environmental Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) <sup>9</sup> |

<sup>4</sup>Contaminated Land Management Act 1997 (NSW).(referred to as CLM Act 1997)

<sup>5</sup>State Environmental Planning Policy No. 55 – Remediation of Land 1998 (NSW).(referred to as SEPP55)

<sup>6</sup> Department of Urban Affairs and Planning, and Environment Protection Authority, (1998). *Managing Land Contamination, Planning Guidelines SEPP55 – Remediation of Land*. (SEPP55 Planning Guidelines)

<sup>7</sup> NSW Office of Environment and Heritage (OEH), (2011). *Guidelines for Consultants Reporting on Contaminated Sites*. (referred to as Reporting Guidelines 2011)

<sup>8</sup> NSW EPA, (2017). *Guidelines for the NSW Site Auditor Scheme, 3<sup>rd</sup>ed.* (referred to as Site Auditor Guidelines 2017)

<sup>9</sup> National Environment Protection Council, (2013). *National Environmental Protection (Assessment of Site Contamination) Amendment Measure 1999* (as amended 2013). (referred to as NEPM 2013)

## **2** **SITE INFORMATION**

### **2.1** **Site Identification**

Table 2-1: Site Identification

|  |   |
|--|---|
| Current Site Owner:                                | Tri-Anta Pty Limited                            |
| Site Address:                                      | 19-27 Cross Street, Double Bay                  |
| Lot & Deposited Plan:                              | Lot 100 DP617017                                |
| Current Land Use:                                  | Shopping Centre                                 |
| Proposed Land Use:                                 | Mixed Use – retail and residential              |
| Local Government Authority (LGA):                  | Woollahra Council                               |
| Current Zoning:                                    | B2 – Local Centre                               |
| Site Area (m <sup>2</sup> ):                       | Approximately 1,300                             |
| RL (AHD in m) (approx.):                           | 4-5   |
| Geographical Location (decimal degrees) (approx.): | Latitude: -33.876285°<br>Longitude: 151.243615° |

### **2.2** **Site Location and Regional Setting**

The site is located in a predominantly commercial area of Double Bay. The site is bounded by retail outlets and part of a hotel to the north, Transvaal Avenue to the east, Cross Street to the south and the Intercontinental Hotel to the west. The site is located approximately 270m to the south of Double Bay.

### **2.3** **Topography**

The site is located within a relatively flat, low lying coastal topography near the Double Bay shoreline which is located approximately 270m to the north.

### **2.4** **Site Inspection**

A walkover inspection of the site was undertaken by EIS on 11 April 2018. The inspection was limited to accessible areas of the site and immediate surrounds. An internal inspection of buildings was not undertaken.

At the time of the inspection, the majority of site was occupied by a shopping centre. The shopping centre included stores and offices i.e. Rose St. Trading Co. clothes store, Oscar and Friends Booksellers, USA Nails, CB Convenience Store, The Eye Scene optometrist, Iguana Yachts office, Belinda office, an empty store space, another store space being renovated for retail store (it was previously a restaurant) and Rose and Jones office (upper floor).

A summary of the other inspection findings are outlined in the following subsections:

#### 2.4.1 Buildings, Structures and Roads

The site comprised a predominantly single-storey building covering majority of the site, encircling a brick and concrete paved courtyard within the south-eastern section. An upper floor was located in the north-western section of the building complex. A concrete paved car parking bay was located at the north-eastern end with a narrow strip of concrete paved area extending towards the north-west, at the northern boundary. An open area within the building complex was located at the northern boundary, connecting this area to the northern boundary.

#### 2.4.2 Boundary Conditions, Soil Stability and Erosion

Access to the shopping centre was from the southern and eastern boundaries, which were not fenced. The northern boundary was bounded by concrete and brick wall of the adjacent building and timber fencing. Much of the western boundary was bounded by the adjacent buildings.

The site surface and surrounds were paved so there was no exposed soils and therefore no soil stability and erosion issues.

#### 2.4.3 Visible or Olfactory Indicators of Contamination

No staining on site surfaces or odours were noted. No indicators of above storage tanks (ASTs) or underground storage tanks (USTs) were evident. There may be asbestos containing material (ACM) in the building and structures at the site.

An electricity transformer was located adjacent to the southern boundary. Another electricity transformer was located within 20m south-east of the site.

Two dry cleaning businesses were located within 20m south and south-east of the site. The actual dry cleaning process was undertaken in one of these businesses, for both the dry cleaners.

#### 2.4.4 Presence of Drums/Chemicals, Waste and Fill Material

Minor household cleaning agents may be present on site. Acetone and other solutions may be kept in the nail salon at the site. Waste bins were located in the north-eastern, northern and south-eastern sections of the site.

There may be may be the possibility of areas of fill at the site.

#### 2.4.5 Drainage and Services

Surface water run-offs are likely to migrate via drainage pits on site and travel off-site via the drainage system along Cross Street and Transvaal Avenue.

#### 2.4.6 Sensitive Environments

Sensitive environments such as wetlands, ponds, creeks or extensive areas of natural vegetation were not identified on site or in the immediate surrounds.

#### 2.4.7 Landscaped Areas and Visible Signs of Plant Stress

There were no landscaped areas or bare soil on site. However, there were planter boxes within the paved courtyard and paved area in the south-eastern section. The plants all appeared to be in good condition.

### 2.5 Surrounding Land Use

During the site inspection, EIS observed the following land uses in the immediate surrounds:

- North – Shops and retail outlets – one was being renovated, Mami clothes shop, Travel Phase travel agent, Belinda Clothes shop etc.
- South – An electricity transformer and Cross Street, then a construction site, Michel's Dry Cleaners, Enlace Fashion Clothing Store, duo jewellery store and a laneway beyond. Florida Dry Cleaners was located to the south-east.
- East – Transvaal Avenue (which includes an outdoor dining area, rest seats and an electricity transformer within a traffic island), then Indigo restaurant, Double Bay Uniting Church and the Oh Yes Store beyond.
- West – Intercontinental Hotel and The Promenade (33 Cross Street) which includes Sake restaurant and bar, SNAP fitness, Henley's wholefoods, Trumps Spa, Mr. G's Bar & Grill, 'House of K'Dor fine jewellery and basement carpark.

EIS are of the opinion that the adjacent electricity transformers to the south and south-east of the site are a potential contamination source. The two dry cleaners located to the south and south-east of the site are also a potential contamination source as these are located within 20m of the site boundary and the actual dry cleaning process is carried out in one of these facilities.

### 2.6 Section 149 Planning Certificate

The s149 (2 and 5) planning certificates were reviewed for the assessment. Copies of the certificates are attached in the appendices. A summary of the relevant information is outlined below:

- The site is not located in an area of ecological significance;
- The site is not deemed to be: significantly contaminated; subject to a management order; subject of an approved voluntary management proposal; or subject to an on-going management order under the provisions of the CLM Act 1997;
- The site is not subject to a Site Audit Statement (SAS);
- Woollahra DCP 2015 includes a policy on contaminated land which may restrict the development of the land. This policy is implemented when zoning or land use changes are proposed on lands which have previously been used for certain purposes. Applicants must consider Council's DCP as well as State legislation including the State Environmental Planning Policy No. 55 – Remediation of Land;
- The Woollahra LEP 2014, clause 6.1 (Acid Sulfate Soils) may require an assessment of acid sulphate soils for certain types of development located on certain land identified on the Acid Sulfate Soils Map of the LEP;
- The site is not located in a heritage conservation area; and
- Development on the land is subject to flood related development controls.



### **3 GEOLOGY AND HYDROGEOLOGY**

#### **3.1 Regional Geology**

Regional geological information presented in the Lotsearch report (attached in the appendices) indicated that the site is underlain by Quaternary aged man-made fill (dredged estuarine sand and mud, demolition rubble, industrial and household waste) overlying silty to peaty quartz sand, silt and clay with ferruginous and humic cementation in places and common shell layers.

#### **3.2 JK / EIS Jobs Database**

JK have previously drilled at a property approximately 150m to the north-west of the site. The drilling identified imported fill to depths of 0.7m, underlain by sandy soil to at least 3m. Bedrock was inferred (by Dynamic Cone Tests to be at approximately 5m.) Groundwater was encountered at a depth of approximately 2.7m below ground level (mBGL).

#### **3.3 Acid Sulfate Soil Risk and Planning**

A review of the acid sulfate soil (ASS) risk map prepared by Department of Land and Water Conservation (1997)<sup>10</sup> indicated that the site is located in an area of “disturbed terrain.”

The ‘disturbed terrain’ classification is adopted in large scale filled areas which often occur during reclamation of low lying swamps for urban development, in areas which may have been mined or dredged or have undergone heavy ground disturbance through general urban development or the construction of dams and levees. The majority of landforms within these areas are not expected to encounter PASS. However, localised occurrences may be found at depth. Disturbance of these materials will result in a risk that will vary with elevation and depth of disturbance. Soil investigation is required to assess these areas for PASS.

ASS information presented in the Lotsearch report (attached in the appendices) indicated that the site is located within a Class 2 area. Works in Class 2 areas that could pose an environmental risk in terms of ASS include all works below existing ground level and works by which the water table is likely to be lowered.

#### **3.4 Hydrogeology**

Hydrogeological information presented in the Lotsearch report (attached in the appendices) indicated that the regional aquifer on-site and in the areas immediately surrounding the site includes porous, extensive aquifers of high productivity. There were a total of 157 registered bores within the report buffer of 2,000m. In summary:

- The nearest registered bore was located approximately 102m from the site. This was utilised for monitoring purposes;
- The majority of the bores were registered for domestic purposes;

---

<sup>10</sup> Department of Land and Water Conservation, (1997). *1:25,000 Acid Sulfate Soil Risk Map (Series 913053, Ed 2)*.

- There were 25 nearby bores (i.e. within 500m) registered for domestic uses, one registered for irrigation uses and one other was registered for recreation purpose; and
- The drillers log information from the closest registered bores typically identified fill and/or sand soil to depths of 13.0m. Standing water levels (SWLs) in the bores ranged from 1.5mBGL to 8.5mBGL.

The information reviewed for this assessment indicated that the subsurface conditions at the site are expected to consist of disturbed terrain and alluvial soils overlying relatively deep bedrock. Abstraction and use of groundwater at the site or in the immediate surrounds may be viable under these conditions. Use of groundwater is not proposed as part of the development.

Considering the local topography and surrounding land features, EIS would generally expect groundwater to flow towards the north.

### **3.5      Receiving Water Bodies**

Surface water bodies were not identified in the immediate vicinity of the site. The closest surface water body is Double Bay located approximately 270m to the north of the site. This is down-gradient from site and is considered to be a potential receptor.

## 4 SITE HISTORY INFORMATION

### 4.1 Review of Historical Aerial Photographs

Historical maps and aerial photographs were included in the Lotsearch report (attached in the appendices). EIS has reviewed the maps and photographs and summarised relevant information in the following table:

Table 4-1: Summary of Historical Aerial Photographs

| Year                     | Details  |
|--------------------------|--|
| 1917<br>(Historical Map) | The site appeared to be located within built area of Double Bay.   |
| 1943                     | The site comprised three buildings.<br><br>The surrounds appeared similar to the site and were most likely used for residential purposes.  |
| 1955                     | No apparent changes were noted at the site and surrounds.  |
| 1961                     | No apparent changes were noted at the site.<br><br>Some redevelopments appeared to have occurred to the south-east of the site.  |
| 1965                     | No apparent changes were noted at the site.<br><br>Some redevelopments appeared to have occurred to the east and north-east of the site.   |
| 1970                     | No apparent changes were noted at the site.<br><br>Some redevelopments appeared to have occurred to the north-east, south and south-west of the site.  |
| 1982                     | The three buildings had been demolished and the site has been redeveloped by building a large building that covered much of the site area, with an open paved area in the south-eastern section. The footprint of the site appeared to look similar to the shopping centre complex as it is currently (2018).<br><br>The site surrounds appeared to have undergone redevelopments. |
| 1991                     | There were no apparent changes noted at the site.<br><br>Major redevelopments appeared to have occurred to the immediate west of the site.   |
| 2002                     | There were no apparent changes noted at the site.<br><br>Some redevelopments appeared to have occurred to the north-east of the site.  |

| Year | Details  |
|------|--|
| 2009 | No apparent changes were noted at the site and surrounds.  |
| 2016 | There were no apparent changes noted at the site.<br><br>Major redevelopments appeared to have occurred to the south-east of the site. |

#### **4.2 Review of Historical Land Title Records**

Historical land title records were reviewed for the assessment. The record search was undertaken by Advance Legal Searchers Pty Ltd. Copies of the title records are attached in the appendices. The title records indicate the following:

- The site comprised four lots which were consolidated into one lot in 1985;
- The lots within the site were under ownership of various private individuals prior to 1964 and 1970. Shoe manufacturing may have occurred in the western section of the site between 1941 and 1955;
- The lots were owned by various business entities between 1964 and 1985, including The Double Bay Plaza Pty Limited between 1979 and 1982; and
- Post consolidation of the lots into one lot, the site was owned by Howard Chia Pty Ltd between 1985 and 1997 and is currently under ownership of Tri-Anta Pty Limited from 1997 onwards.

The historical land title records identified potential commercial/industrial landuses at the site potentially post the 1940s. The shopping centre may have been developed in 1979.

#### **4.3 Review of Council Records**

A search of council records is currently underway. The results will be summarised in a separate letter when received.

#### **4.4 SafeWork NSW Records**

SafeWork NSW records were reviewed for the assessment. Copies of relevant documents are attached in the appendices. The search did not identify any licences to store dangerous goods including underground fuel storage tanks (USTs) or above ground storage tanks (ASTs) at the site.

#### **4.5 NSW EPA Records**

The Lotsearch report (attached in the appendices) included information from the NSW EPA databases for the following:

- Records maintained in relation to contaminated land under Section 58 of the CLM Act 1997;

- Records of sites notified in accordance with the Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997 (2015)<sup>11</sup>; and
- Licensed activities under the Protection of the Environment Operations Act (1997)<sup>12</sup>.

The search included the site area and surrounding areas in the report buffer of 1,000m. The search indicated the following:

- There were no records for the site or any properties in the report buffer under Section 58 of the CLM Act 1997;
- The site has not been notified with regards to the Duty to Report Contamination under Section 60 of the CLM Act 1997. There was one notified property in the report buffer known as d'Albora Marinas located 857m to the west of the site; and
- There were no records for licenced activities at the site under the POEO Act 1997. Current and historical licenses were identified for several properties within the report buffer, however these activities are considered unlikely to pose a contamination risk to the site or these properties are not located within close proximity (i.e. 500m) of the site.

#### **4.6 Historical Business Directory and Additional Lotsearch Information**

Historical business records for the site and surrounding areas in the report buffer were included in the Lotsearch report (attached in the appendices). The records indicated the following:

##### 1950s

- Some manufacturing businesses (for clothing, lounge suite and upholstery, and public address system) were located within 500m of the site;
- The nearest motor service station/garages located in the vicinity of the site (i.e. within 500m) were one motor service station business registered over 110m to the south-east of the site and one motor garage business registered over 130m to the south of the site, one over 180m to the south-west of the site and one over 330m to the south-east of the site. These were potentially located up-gradient of the site; and
- The nearest dry cleaner businesses located in the vicinity of the site (i.e. within 500m) were six dry cleaner business registered over 180m to the south-west of the site. These were potentially located up-gradient of the site.

##### 1960s

- Some manufacturing businesses (for clothing, cosmetic, belt, motor cylinder sleeve/liner, and material handling equipment) were located within 500m of the site;
- The nearest motor service station/garages located in the vicinity of the site (i.e. within 500m) were one motor service station business registered over 110m to the south-east and one over 140m to the west of the site and one motor garage business registered over 25m to the south-

---

<sup>11</sup> NSW EPA, (2015). *Guidelines on the Duty to Report Contamination under Section 60 of the CLM Act 1997*. (referred to as Duty to Report Contamination)

<sup>12</sup> Protection of the Environment Operations Act 1997 (NSW).(referred to as POEO Act 1997)

west of the site, two over 110m to the west of the site, one over 200m to the east of the site and one over 330m to the south-east of the site. Some of these were potentially located up-gradient of the site; and

- The nearest dry cleaner businesses located in the vicinity of the site (i.e. within 500m) were three dry cleaner businesses registered over 30m to the south of the site, one over 40m to the south-east of the site, and two over 80m to the south-west of the site. These were potentially located up-gradient of the site.

#### 1970s

- Some manufacturing businesses (for material handling equipment, pallet, trucks and trolleys, and jewellery) were located within 500m of the site;
- The nearest motor service station/garages located in the vicinity of the site (i.e. within 500m) were one motor service station business registered over 110m to the south-east and one motor garage business registered over 25m to the south-west of the site, two over 110m to the west of the site, and one over 200m to the east of the site. Some of these were potentially located up-gradient of the site; and
- The nearest dry cleaner businesses located in the vicinity of the site (i.e. within 500m) were two dry cleaner businesses registered over 30m to the south of the site, and four over 75m to the south-west of the site. These were potentially located up-gradient of the site.

#### 1980s

- A beauticians, dress shops and accessories, soft furnishings manufacturer and/or wholesaler, art galleries and/or museums, importers, clothing – retail, restaurants, and travel agencies and/or booking offices businesses were registered on site;
- Some manufacturing businesses (for clothing, hosiery, jewellery, and hardware) were located within 500m of the site;
- The nearest motor service station/garages located in the vicinity of the site (i.e. within 500m) were one motor service station business registered over 110m to the south-east of the site. This was potentially located up-gradient of the site; and
- The nearest dry cleaner businesses located in the vicinity of the site (i.e. within 500m) was one dry cleaner business registered over 30m to the south-east of the site, two over 30m to the south of the site and one over 190m to the south-west of the site. These were potentially located up-gradient of the site.

#### 1990s

- A soft furnishings manufacturer and/or wholesaler business was registered on site; and
- A hardware manufacturer and/or distributor and/or wholesaler was located within 500m of the site.

EIS are of the opinion that the historical businesses in the report buffer are likely to represent potential off-site sources of site contamination as some of these were located within 500m of the site and potentially up-gradient. Some manufacturing and/or industrial activity appear to have occurred on site as well.

In addition to the above, EIS have reviewed additional information contained within the Lotsearch report and note the following:

- There were no local or state heritage items at the site. There were various local heritage items in the immediate surrounds i.e. Transvaal Avenue Heritage Conservation Area, Moreton Bay Fig and Double Bay Compressed Air Ejector Station, to name a few. There were various state heritage items in the immediate surrounds i.e. Double Bay Compressed Air Ejector Station, Overthorpe and Gladswood House to name a few.; and
- There were no significant ecological constraints at the site or in the immediate surrounds.

#### **4.7 Summary of Site History Information**

A summary of the historical land uses and activities is presented in the table below. The information presented in the table is based on a weight of evidence assessment of the site history documentation and observations made by EIS.

Table 4-2: Summary of Historical Land Uses

| <b>Year(s)</b> | <b>Potential Land Use / Activities</b>             | <b>Supporting Evidence</b>   |
|----------------|--|--|
| Pre-1941       | Residential  | Land titles indicated the property (then subdivided in four lots) was owned by various private individuals.  |
| 1941-1979      | Residential and/or commercial/ industrial          | Land titles indicated the property (then subdivided in four lots) was owned by various private individuals as well as by business entities during this period.   |
| 1979 - Present | Shopping Centre and/or minor commercial/industrial | Land titles identified the site was owned by Double Bay Plaza Pty Limited between 1979 and 1982. The aerial photographs also showed the shopping centre precinct to be present in the 1982 photograph onwards. |

#### **4.8 Integrity of Site History Information**

The majority of the site history information was obtained from government organisations as outlined in the relevant sections of this report. The veracity of the information from these sources is considered to be relatively high. A certain degree of information loss can be expected given the lack of specific land use details over time. EIS has relied upon the Lotsearch report and have not independently verified any information contained within. However, it is noted that the Lotsearch report is generated based on databases maintained by various government agencies and is expected to be reliable.

## 5 **CONCEPTUAL SITE MODEL**

NEPM (2013) defines a CSM as a representation of site related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The CSM for the site is presented in the following sub-sections and is based on the site information (including the site inspection information) and the review of site history information. Reference should also be made to the figures attached in the appendices.

### 5.1 **Potential Contamination Sources/AEC and CoPC**

The potential contamination sources/AEC and CoPC are presented in the following table:

Table 5-1: Potential (and/or known) Contamination Sources/AEC and Contaminants of Potential Concern

| Source / AEC   | CoPC   |
|--|--|
| <u>Fill material</u> – The site appears to have been historically filled to achieve the existing levels. The fill may have been imported from various sources and could be contaminated.   | Heavy metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc), petroleum hydrocarbons (referred to as total recoverable hydrocarbons – TRHs), benzene, toluene, ethylbenzene and xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), organophosphate pesticides (OPPs), polychlorinated biphenyls (PCBs) and asbestos. |
| <u>Use of pesticides</u> – Pesticides may have been used beneath the buildings and/or around the site.   | Heavy metals and OCPs  |
| <u>Hazardous Building Material</u> –Hazardous building materials may be present as a result of former building and demolition activities. These materials may also be present in the existing buildings/ structures on site.   | Asbestos, lead and PCBs  |
| <u>Off-site electricity transformers</u> – An electricity transformer is located to the immediate south of the site and another is located to the south-east of the site and are considered to be potential sources of contamination.  | PCBs and PAHs  |
| <u>Off-site Dry Cleaners (Current and Historical)</u> – One dry cleaner is located to the south and another to the south-east of the site, within 20m of the site. The actual dry cleaning process is undertaken in the business located to the south of the site, for both the businesses. Dry cleaners | TRHs and VOCs, including tetrachloroethene (also known as perchloroethylene - PCE) and the breakdown products trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE) and vinyl chloride (VC).   |



| Source / AEC   | CoPC                              |
|--|-----------------------------------|
| have also been present within 500m of the site historically.   |                                   |
| <u>Off-site Historical Motor Service Stations/Motor Mechanics</u> – Motor Service Stations and Motor Mechanics businesses have been present within 500m of the site historically. These could be potential sources of contamination. | Heavy Metals (lead), TRH and BTEX |
| <u>On-site and Off-site Historical Commercial/Industrial Premises</u> – Historical commercial and industrial businesses have been present on-site and within 500m of the site. These could be potential sources of contamination.    | Heavy Metals, TRH and BTEX        |

EIS note that herbicides have not been included as CoPC as herbicides are not commonly found at residual concentrations likely to pose a risk to human health or the environment (NSW DEC 2005, *Guidelines for Assessing Former Orchards and Market Gardens*).

## 5.2 Mechanism for Contamination, Affected Media, Receptors and Exposure Pathways

The mechanisms for contamination, affected media, receptors and exposure pathways relevant to the potential contamination sources/AEC are outlined in the following CSM table:

Table 5-2: CSM

|                                       |   |
|---------------------------------------|---|
| Potential mechanism for contamination | <p>Potential mechanisms for contamination include:</p> <ul style="list-style-type: none"> <li>• Fill material – importation of impacted material, ‘top-down’ impacts (e.g. placement of fill, leaching from surficial material etc), or sub-surface release (e.g. impacts from buried material);</li> <li>• Use of pesticides – ‘top-down’ and spills (e.g. during normal use, application and/or improper storage);</li> <li>• Hazardous building materials – ‘top-down’ (e.g. demolition resulting in surficial impacts in unpaved areas);</li> <li>• On-site and Off-site land uses– ‘top-down’, spill or sub-surface release. Impacts to the site could occur via migration of contaminated groundwater.</li> </ul> |
| Affected media                        | Soil/soil vapour and groundwater have been identified as potentially affected media.  |
| Receptor identification               | Human receptors include site occupants/users (including adults and children), construction workers and intrusive maintenance workers. Off-site human  |

|                               |  |
|-------------------------------|--|
|                               | <p>receptors include adjacent land users, groundwater users and recreational water users within Double Bay.</p> <p>Ecological receptors include terrestrial organisms and plants within unpaved areas (including any proposed landscaped areas), and marine ecology in Double Bay.</p>   |
| Potential exposure pathways   | <p>Potential exposure pathways relevant to the human receptors include ingestion, dermal absorption and inhalation of dust (all contaminants) and vapours (volatile TRH, naphthalene and VOCs). The potential for exposure would typically be associated with the construction and excavation works, and future use of the site. Potential exposure pathways for ecological receptors include primary contact and ingestion.</p> <p>Exposure during future site use could occur via direct contact with soil in unpaved areas such as gardens, inhalation of airborne asbestos fibres during soil disturbance, or inhalation of vapours within enclosed spaces such as buildings and basements.</p> <p>Exposure to groundwater is unlikely to occur in the Double Bay through direct migration, however groundwater has the potential to enter the bay via the stormwater system (which is expected to discharge into the bay) in a drained basement scenario.</p> |
| Potential exposure mechanisms | <p>The following have been identified as potential exposure mechanisms for site contamination:</p> <ul style="list-style-type: none"> <li>• Vapour intrusion into the proposed basement and/or building (either from soil contamination or volatilisation of contaminants from groundwater);</li> <li>• Contact (dermal, ingestion or inhalation) with exposed soils in landscaped areas and/or unpaved areas;</li> <li>• Migration of groundwater off-site and into nearby water bodies, including aquatic ecosystems and those being used for recreation; and</li> <li>• Migration of groundwater off-site into areas where groundwater is being utilised as a resource (i.e. for irrigation).</li> </ul>  |

### 5.3 Assessment of Data Gaps

EIS has undertaken a preliminary data gap analysis based on the findings of assessment. The data gaps and our comments are outlined in the following table:

Table 5-3: Data Gap Assessment

| Data Gap                                  | EIS Comments   |
|---|--|
| No intrusive investigation was undertaken | An assessment of the soil and groundwater contamination at the site has not been undertaken. |

## **6 CONCLUSIONS**

### **6.1 Contamination Sources/AEC and Potential for Site Contamination**

Based on the scope of work undertaken for this assessment, EIS identified the following potential contamination sources/AEC:

- Fill Material
- Use of Pesticides
- Hazardous Building Material
- Off-site Electricity Transformers
- Off-site Dry Cleaners (Current and Historical)
- Off-site Historical Motor Service Stations and Motor Mechanics
- On-site and Off-site Historical Commercial/Industrial Premises

Considering the above, and based on a qualitative assessment of various lines of evidence as discussed throughout this report, EIS are of the opinion that there is a moderate potential for site contamination.

### **6.2 Assessment of the Need for Further Investigation**

Based on the potential contamination sources/AEC identified, and the perceived potential for contamination, further investigation of the contamination conditions is considered to be required.

### **6.3 Conclusions and Recommendations**

Based on the scope of work undertaken for the assessment, EIS are of the opinion that the historical land uses and potential sources of contamination identified would not preclude the proposed development. However, the following is recommended to better assess the risks associated with the CoPC:

- A Stage 2 investigation should be undertaken to characterise the site contamination conditions;
- An ASS assessment should be undertaken to establish the potential for actual or potential ASS to be present, and assess the need to prepare an ASS management plan; and
- A hazardous building materials survey should be undertaken prior to demolition of the buildings. Following demolition of the buildings (and preferably prior to removal of the hardstand), an asbestos clearance certificate should be provided.

EIS also recommend that a waste classification is undertaken to classify material to be excavated for the proposed basement. Fill and contaminated soil disposal costs are significant and may affect project viability. These costs should be assessed at an early stage of the project development to avoid significant future unexpected additional costs.

Considering the findings of the assessment, EIS are of the opinion that the site can be made suitable for the proposed development subject to the appropriate implementation of the recommendations. The investigation report should confirm the conclusion in relation to site suitability based on the additional data obtained.

EIS consider that the assessment objectives outlined in Section 1.2 have been addressed.

## **7      LIMITATIONS**

The following limitation apply to this assessment:

- EIS accepts no responsibility for any unidentified contamination issues at the site. Any unexpected problems/subsurface features that may be encountered during development works should be inspected by an environmental consultant as soon as possible;
- Previous use of this site may have involved excavation for the foundations of buildings, services, and similar facilities. In addition, unrecorded excavation and burial of material may have occurred on the site. Backfilling of excavations could have been undertaken with potentially contaminated material that may be discovered in discrete, isolated locations across the site during construction work;
- This report has been prepared based on site conditions which existed at the time of the assessment; scope of work and limitation outlined in the EIS proposal; and terms of contract between EIS and the client (as applicable);
- The conclusions presented in this report are based on investigation of conditions at specific locations, chosen to be as representative as possible under the given circumstances, visual observations of the site and immediate surrounds and documents reviewed as described in the report;
- The preparation of this report have been undertaken in accordance with accepted practice for environmental consultants, with reference to applicable environmental regulatory authority and industry standards, guidelines and the assessment criteria outlined in the report;
- Where information has been provided by third parties, EIS has not undertaken any verification process, except where specifically stated in the report;
- EIS has not undertaken any assessment of off-site areas that may be potential contamination sources or may have been impacted by site contamination, except where specifically stated in the report;
- EIS accept no responsibility for potentially asbestos containing materials that may exist at the site. These materials may be associated with demolition of pre-1990 constructed buildings or fill material at the site;
- EIS have not and will not make any determination regarding finances associated with the site;
- Additional investigation work may be required in the event of changes to the proposed development or landuse. EIS should be contacted immediately in such circumstances;
- Material considered to be suitable from a geotechnical point of view may be unsatisfactory from a soil contamination viewpoint, and vice versa; and
- This report has been prepared for the particular project described and no responsibility is accepted for the use of any part of this report in any other context or for any other purpose.

## **LIST OF IN-TEXT TABLES**

|  |           |
|--|-----------|
| <b>Table 1-1: Guidelines</b>   | <b>2</b>  |
| <b>Table 2-1: Site Identification</b>  | <b>3</b>  |
| <b>Table 4-1: Summary of Historical Aerial Photographs</b>   | <b>9</b>  |
| <b>Table 4-2: Summary of Historical Land Uses</b>  | <b>13</b> |
| <b>Table 5-1: Potential (and/or known) Contamination Sources/AEC and Contaminants of Potential Concern</b> | <b>14</b> |
| <b>Table 5-2: CSM</b>  | <b>15</b> |
| <b>Table 5-3: Data Gap Assessment</b>  | <b>16</b> |

## **IMPORTANT INFORMATION ABOUT THIS REPORT**

These notes have been prepared by EIS to assist with the assessment and interpretation of this report.

### **The Report is based on a Unique Set of Project Specific Factors:**

This report has been prepared in response to specific project requirements as stated in the EIS proposal document which may have been limited by instructions from the client. This report should be reviewed, and if necessary, revised if any of the following occur:

- The proposed land use is altered;
- The defined subject site is increased or sub-divided;
- The proposed development details including size, configuration, location, orientation of the structures or landscaped areas are modified;
- The proposed development levels are altered, eg addition of basement levels; or
- Ownership of the site changes.

EIS/J&K will not accept any responsibility whatsoever for situations where one or more of the above factors have changed since completion of the assessment. If the subject site is sold, ownership of the assessment report should be transferred by EIS to the new site owners who will be informed of the conditions and limitations under which the assessment was undertaken. No person should apply an assessment for any purpose other than that originally intended without first conferring with the consultant.

### **Changes in Subsurface Conditions:**

Subsurface conditions are influenced by natural geological and hydrogeological process and human activities. Groundwater conditions are likely to vary over time with changes in climatic conditions and human activities within the catchment (e.g. water extraction for irrigation or industrial uses, subsurface waste water disposal, construction related dewatering). Soil and groundwater contaminant concentrations may also vary over time through contaminant migration, natural attenuation of organic contaminants, ongoing contaminating activities and placement or removal of fill material. The conclusions of an assessment report may have been affected by the above factors if a significant period of time has elapsed prior to commencement of the proposed development.

### **This Report is based on Professional Interpretations of Factual Data:**

Site assessments identify actual subsurface conditions at the actual sampling locations at the time of the investigation. Data obtained from the sampling and subsequent laboratory analyses, available site history information and published regional information is interpreted by geologists, engineers or environmental scientists and opinions are drawn about the overall subsurface conditions, the nature and extent of contamination, the likely impact on the proposed development and appropriate remediation measures.

Actual conditions may differ from those inferred, because no professional, no matter how qualified, and no subsurface exploration program, no matter how comprehensive, can reveal what is hidden by earth, rock and time. The actual interface between materials may be far more gradual or abrupt than an assessment indicates. Actual conditions in areas not sampled may differ from predictions. Nothing can be done to prevent the unanticipated, but steps can be taken to help minimise the impact. For this reason, site owners should retain the services of their consultants throughout the development stage of the project, to identify variances, conduct additional tests which may be needed, and to recommend solutions to problems encountered on site.

### **Assessment Limitations:**

Although information provided by a site assessment can reduce exposure to the risk of the presence of contamination, no environmental site assessment can eliminate the risk. Even a rigorous professional assessment may not detect all contamination on a site. Contaminants may be present in areas that were not surveyed or sampled, or may migrate to areas which showed no signs of contamination when sampled.

Contaminant analysis cannot possibly cover every type of contaminant which may occur; only the most likely contaminants are screened.

**Misinterpretation of Site Assessments by Design Professionals:**

Costly problems can occur when other design professionals develop plans based on misinterpretation of an assessment report. To minimise problems associated with misinterpretations, the environmental consultant should be retained to work with appropriate professionals to explain relevant findings and to review the adequacy of plans and specifications relevant to contamination issues.

**Logs Should not be Separated from the Assessment Report:**

Borehole and test pit logs are prepared by environmental scientists, engineers or geologists based upon interpretation of field conditions and laboratory evaluation of field samples. Logs are normally provided in our reports and these should not be re-drawn for inclusion in site remediation or other design drawings, as subtle but significant drafting errors or omissions may occur in the transfer process. Photographic reproduction can eliminate this problem, however contractors can still misinterpret the logs during bid preparation if separated from the text of the assessment. If this occurs, delays, disputes and unanticipated costs may result. In all cases it is necessary to refer to the rest of the report to obtain a proper understanding of the assessment. Please note that logs with the 'Environmental Log' header are not suitable for geotechnical purposes as they have not been peer reviewed by a Senior Geotechnical Engineer.

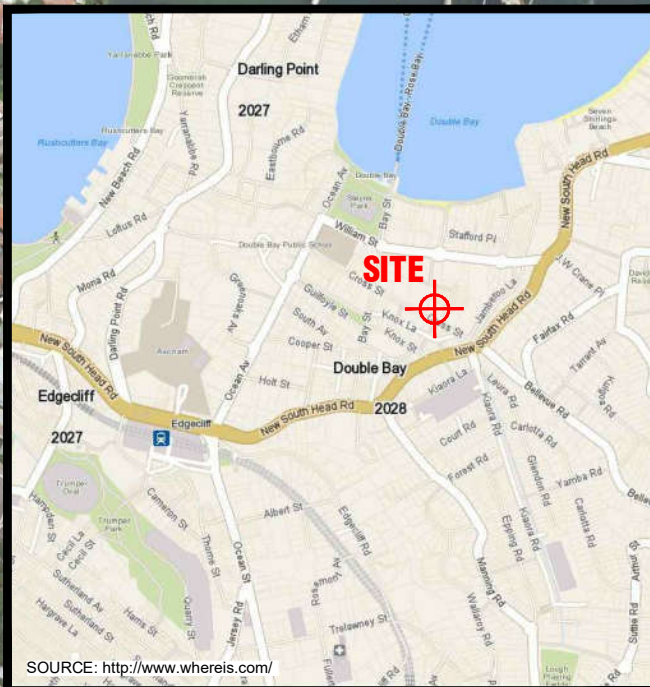
To reduce the likelihood of borehole and test pit log misinterpretation, the complete assessment should be available to persons or organisations involved in the project, such as contractors, for their use. Denial of such access and disclaiming responsibility for the accuracy of subsurface information does not insulate an owner from the attendant liability. It is critical that the site owner provides all available site information to persons and organisations such as contractors.

**Read Responsibility Clauses Closely:**

Because an environmental site assessment is based extensively on judgement and opinion, it is necessarily less exact than other disciplines. This situation has resulted in wholly unwarranted claims being lodged against consultants. To help prevent this problem, model clauses have been developed for use in written transmittals. These are definitive clauses designed to indicate consultant responsibility. Their use helps all parties involved recognise individual responsibilities and formulate appropriate action. Some of these definitive clauses are likely to appear in the environmental site assessment, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to any questions.



## **REPORT FIGURES**



AERIAL IMAGE SOURCE: GOOGLE EARTH PRO 7.1.5.1557  
AERIAL IMAGE ©: 2015 GOOGLE INC.

Title:

## SITE LOCATION PLAN

Location:

19-27 CROSS STREET  
DOUBLE BAY, NSW

Report No:

E31357KR

Figure No:

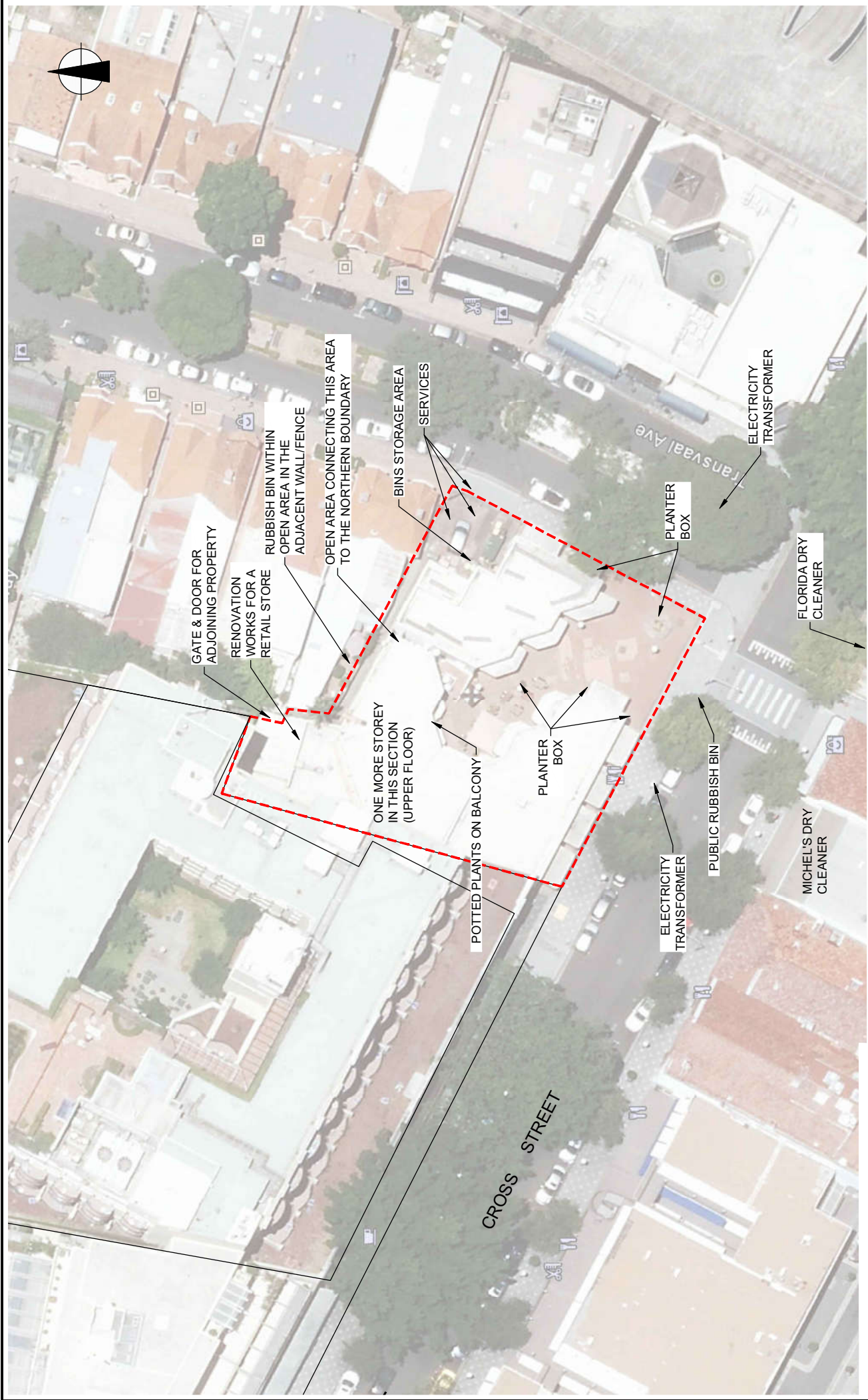
1

**ENVIRONMENTAL INVESTIGATION SERVICES**


**EIS**

This plan should be read in conjunction with the EIS report.





**LEGEND**

 APPROXIMATE SITE BOUNDARY

| SITE FEATURES PLAN |                                       |   |
|--------------------|---------------------------------------|---|
| Title:             | 19-27 CROSS STREET<br>DOUBLE BAY, NSW |   |
| Location:          | E31357KR                              |   |
| Report No:         | Figure No:                            | 2 |

This plan should be read in conjunction with the EIS report.



## **REPORT APPENDICES**

## **Appendix A: Site Information**



## **Lotsearch Environmental Risk and Planning Report**



# LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

**Date: 21 Mar 2018 11:18:25**

**Reference: LS003037**

**Address: 19-27 Cross Street, Double Bay, NSW 2028**

**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.

## Table of Contents

|  |     |
|--|-----|
| Location Confidences.....                            | 2   |
| Dataset Listings.....                                | 3   |
| Site Location Aerial.....                            | 6   |
| Contaminated Land & Waste Management Facilities..... | 7   |
| EPA PFAS Investigation Program .....                 | 10  |
| EPA Other Sites with Contamination Issues .....      | 11  |
| EPA Current Licensed Activities.....                 | 12  |
| EPA Delicensed & Former Licensed Activities .....    | 14  |
| UPSS Sensitive Zones .....                           | 16  |
| Historical Business Activities.....                  | 17  |
| Historical Aerial Imagery & Maps .....               | 76  |
| Topographic Features .....                           | 90  |
| Elevation Contours.....                              | 95  |
| Hydrogeology & Groundwater .....                     | 96  |
| Geology.....   | 110 |
| Naturally Occurring Asbestos Potential.....          | 112 |
| Soils .....  | 113 |
| Acid Sulfate Soils .....                             | 117 |
| Dryland Salinity .....                               | 121 |
| Mining Subsidence Districts .....                    | 122 |
| State Environmental Planning.....                    | 123 |
| Local Environmental Planning.....                    | 124 |
| Heritage .....                                       | 128 |
| Natural Hazards .....                                | 143 |
| Ecological Constraints.....                          | 144 |
| Terms & Conditions.....                              | 154 |

## 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   |
|---------|---|
| 1       | Georeferenced to the site location / premise or part of site      |
| 2       | Georeferenced with the confidence of the general/approximate area |
| 3       | Georeferenced to the road or rail                                 |
| 4       | Georeferenced to the road intersection                            |
| 5       | Feature is a buffered point                                       |
| 6       | Land adjacent to Georeferenced Site                               |
| 7       | 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  | Dept. Finance, Services & Innovation | 21/03/2018  | 21/03/2018    | Daily            | -                  | -                   | -                        | -                          |
| Topographic Data   | Dept. Finance, Services & Innovation | 11/01/2018  | 11/01/2018    | As required      | -                  | -                   | -                        | -                          |
| List of NSW contaminated sites notified to EPA                           | Environment Protection Authority     | 05/03/2018  | 09/02/2018    | Monthly          | 1000               | 0                   | 0                        | 1                          |
| Contaminated Land: Records of Notice                                     | Environment Protection Authority     | 05/03/2018  | 05/03/2018    | Monthly          | 1000               | 0                   | 0                        | 0                          |
| Former Gasworks  | Environment Protection Authority     | 05/03/2018  | 12/09/2017    | Monthly          | 1000               | 0                   | 0                        | 0                          |
| National Waste Management Site Database                                  | Geoscience Australia                 | 02/02/2018  | 07/03/2017    | Quarterly        | 1000               | 0                   | 0                        | 0                          |
| EPA PFAS Investigation Program   | Environment Protection Authority     | 07/03/2018  | 07/03/2018    | Monthly          | 2000               | 0                   | 0                        | 0                          |
| EPA Other Sites with Contamination Issues                                | Environment Protection Authority     | 11/01/2018  | 11/01/2018    | Quarterly        | 1000               | 0                   | 0                        | 0                          |
| Licensed Activities under the POEO Act 1997                              | Environment Protection Authority     | 09/03/2018  | 09/03/2018    | Monthly          | 1000               | 0                   | 0                        | 3                          |
| Delicensed POEO Activities still Regulated by the EPA                    | Environment Protection Authority     | 09/03/2018  | 09/03/2018    | Monthly          | 1000               | 0                   | 0                        | 1                          |
| Former POEO Licensed Activities now revoked or surrendered               | Environment Protection Authority     | 09/03/2018  | 09/03/2018    | Monthly          | 1000               | 0                   | 3                        | 3                          |
| 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                | 1                   | 11                       | 12                         |
| UBD Business to Business Directory 1991 (Road & Area Matches)            | Hardie Grant                         |             |               | Not required     | 150                | -                   | 1                        | 3                          |
| UBD Business to Business Directory 1986 (Premise & Intersection Matches) | Hardie Grant                         |             |               | Not required     | 150                | 9                   | 188                      | 236                        |
| UBD Business to Business Directory 1986 (Road & Area Matches)            | Hardie Grant                         |             |               | Not required     | 150                | -                   | 11                       | 18                         |
| UBD Business Directory 1982 (Premise & Intersection Matches)             | Hardie Grant                         |             |               | Not required     | 150                | 2                   | 99                       | 138                        |
| UBD Business Directory 1982 (Road & Area Matches)                        | Hardie Grant                         |             |               | Not required     | 150                | -                   | 9                        | 15                         |
| UBD Business Directory 1978 (Premise & Intersection Matches)             | Hardie Grant                         |             |               | Not required     | 150                | 0                   | 73                       | 91                         |
| UBD Business Directory 1978 (Road & Area Matches)                        | Hardie Grant                         |             |               | Not required     | 150                | -                   | 8                        | 13                         |
| UBD Business Directory 1975 (Premise & Intersection Matches)             | Hardie Grant                         |             |               | Not required     | 150                | 0                   | 74                       | 104                        |
| UBD Business Directory 1975 (Road & Area Matches)                        | Hardie Grant                         |             |               | Not required     | 150                | -                   | 7                        | 11                         |
| UBD Business Directory 1970 (Premise & Intersection Matches)             | Hardie Grant                         |             |               | Not required     | 150                | 0                   | 77                       | 116                        |
| UBD Business Directory 1970 (Road & Area Matches)                        | Hardie Grant                         |             |               | Not required     | 150                | -                   | 11                       | 20                         |
| UBD Business Directory 1965 (Premise & Intersection Matches)             | Hardie Grant                         |             |               | Not required     | 150                | 0                   | 100                      | 140                        |
| UBD Business Directory 1965 (Road & Area Matches)                        | Hardie Grant                         |             |               | Not required     | 150                | -                   | 11                       | 17                         |
| UBD Business Directory 1961 (Premise & Intersection Matches)             | Hardie Grant                         |             |               | Not required     | 150                | 0                   | 34                       | 68                         |
| UBD Business Directory 1961 (Road & Area Matches)                        | Hardie Grant                         |             |               | Not required     | 150                | -                   | 13                       | 23                         |
| UBD Business Directory 1950 (Premise & Intersection Matches)             | Hardie Grant                         |             |               | Not required     | 150                | 0                   | 41                       | 89                         |
| UBD Business Directory 1950 (Road & Area Matches)                        | Hardie Grant                         |             |               | Not required     | 150                | -                   | 12                       | 36                         |

| 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 Drycleaners & Motor Garages/Service Stations (Premise & Intersection Matches) | Hardie Grant  |             |               | Not required     | 1000               | 0                   | 17                       | 138                        |
| UBD Business Directory Drycleaners & Motor Garages/Service Stations (Road & Area Matches)            | Hardie Grant  |             |               | Not required     | 1000               | -                   | 5                        | 41                         |
| Points of Interest   | Dept. Finance, Services & Innovation  | 11/01/2018  | 11/01/2018    | Annually         | 1000               | 0                   | 2                        | 64                         |
| Tanks (Areas)  | Dept. Finance, Services & Innovation  | 11/01/2018  | 11/01/2018    | Annually         | 1000               | 0                   | 0                        | 0                          |
| Tanks (Points)   | Dept. Finance, Services & Innovation  | 11/01/2018  | 11/01/2018    | Annually         | 1000               | 0                   | 0                        | 0                          |
| Major Easements  | Dept. Finance, Services & Innovation  | 08/01/2018  | 08/01/2018    | As required      | 1000               | 0                   | 0                        | 10                         |
| State Forest   | Dept. 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  | 18/01/2018  | 30/09/2017    | Annually         | 1000               | 0                   | 0                        | 0                          |
| Hydrogeology Map of Australia  | Commonwealth of Australia (Geoscience Australia)  | 08/10/2014  | 17/03/2000    | As required      | 1000               | 0                   | 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 - Office of Water / Water Administration Ministerial Corporation; Commonwealth of Australia (Bureau of Meteorology) | 21/03/2016  | 01/12/2015    | Annually         | 2000               | 0                   | 0                        | 157                        |
| Geological Units 1:100,000   | NSW Dept. of Industry, Resources & Energy   | 20/08/2014  |               | None planned     | 1000               | 1                   | -                        | 4                          |
| Geological Structures 1:100,000  | NSW Dept. of Industry, Resources & Energy   | 20/08/2014  |               | None planned     | 1000               | 0                   | -                        | 0                          |
| 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                   | -                        | 8                          |
| Atlas of Australian Soils  | CSIRO   | 19/05/2017  | 17/02/2011    | As required      | 1000               | 1                   | 1                        | 2                          |
| Standard Local Environmental Plan Acid Sulfate Soils   | NSW Planning and Environment  | 07/10/2016  | 07/10/2016    | As required      | 500                | 1                   | -                        | -                          |
| Atlas of Australian Acid Sulfate Soils   | CSIRO   | 19/01/2017  | 21/02/2013    | As required      | 1000               | 1                   | 2                        | 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  | Dept. Finance, Services & Innovation  | 13/07/2017  | 01/07/2017    | As required      | 1000               | 0                   | 0                        | 0                          |
| SEPP 14 - Coastal Wetlands   | NSW Planning and Environment  | 17/12/2015  | 24/10/2008    | Annually         | 1000               | 0                   | 0                        | 0                          |
| SEPP 26 - Littoral Rainforest  | NSW Planning and Environment  | 17/12/2015  | 05/02/1988    | Annually         | 1000               | 0                   | 0                        | 0                          |
| SEPP 71 - Coastal Protection   | NSW Planning and Environment  | 17/12/2015  | 01/08/2003    | Annually         | 1000               | 0                   | 0                        | 0                          |
| SEPP Major Developments 2005   | NSW Planning and Environment  | 09/03/2013  | 25/05/2005    | Under Review     | 1000               | 0                   | 0                        | 0                          |
| SEPP Strategic Land Use Areas  | NSW Planning and Environment  | 01/08/2017  | 28/01/2014    | Annually         | 1000               | 0                   | 0                        | 0                          |
| LEP - Land Zoning  | NSW Planning and Environment  | 29/01/2018  | 19/01/2018    | Quarterly        | 1000               | 1                   | 3                        | 58                         |
| LEP - Minimum Subdivision Lot Size   | NSW Planning and Environment  | 29/01/2018  | 19/01/2018    | Quarterly        | 0                  | 0                   | -                        | -                          |
| LEP - Height of Building   | NSW Planning and Environment  | 29/01/2018  | 19/01/2018    | Quarterly        | 0                  | 1                   | -                        | -                          |
| LEP - Floor Space Ratio  | NSW Planning and Environment  | 29/01/2018  | 19/01/2018    | Quarterly        | 0                  | 1                   | -                        | -                          |
| LEP - Land Application   | NSW Planning and Environment  | 29/01/2018  | 19/01/2018    | Quarterly        | 0                  | 1                   | -                        | -                          |
| LEP - Land Reservation Acquisition   | NSW Planning and Environment  | 29/01/2018  | 19/01/2018    | Quarterly        | 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 |
|---|---|-------------|---------------|------------------|--------------------|---------------------|--------------------------|----------------------------|
| State Heritage Items                              | NSW Office of Environment & Heritage                    | 05/02/2018  | 30/09/2016    | Quarterly        | 1000               | 0                   | 1                        | 13                         |
| Local Heritage Items                              | NSW Planning and Environment                            | 05/02/2018  | 19/01/2018    | Quarterly        | 1000               | 0                   | 3                        | 243                        |
| Bush Fire Prone Land                              | NSW Rural Fire Service                                  | 05/02/2018  | 23/01/2018    | Quarterly        | 1000               | 0                   | 0                        | 0                          |
| Native Vegetation of the Sydney Metropolitan Area | NSW Office of Environment & Heritage                    | 01/03/2017  | 16/12/2016    | As required      | 1000               | 0                   | 1                        | 3                          |
| RAMSAR Wetlands                                   | 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                    | 20/03/2018  | 20/03/2018    | Daily            | 10000              | -                   | -                        | -                          |



# Aerial Imagery 2016

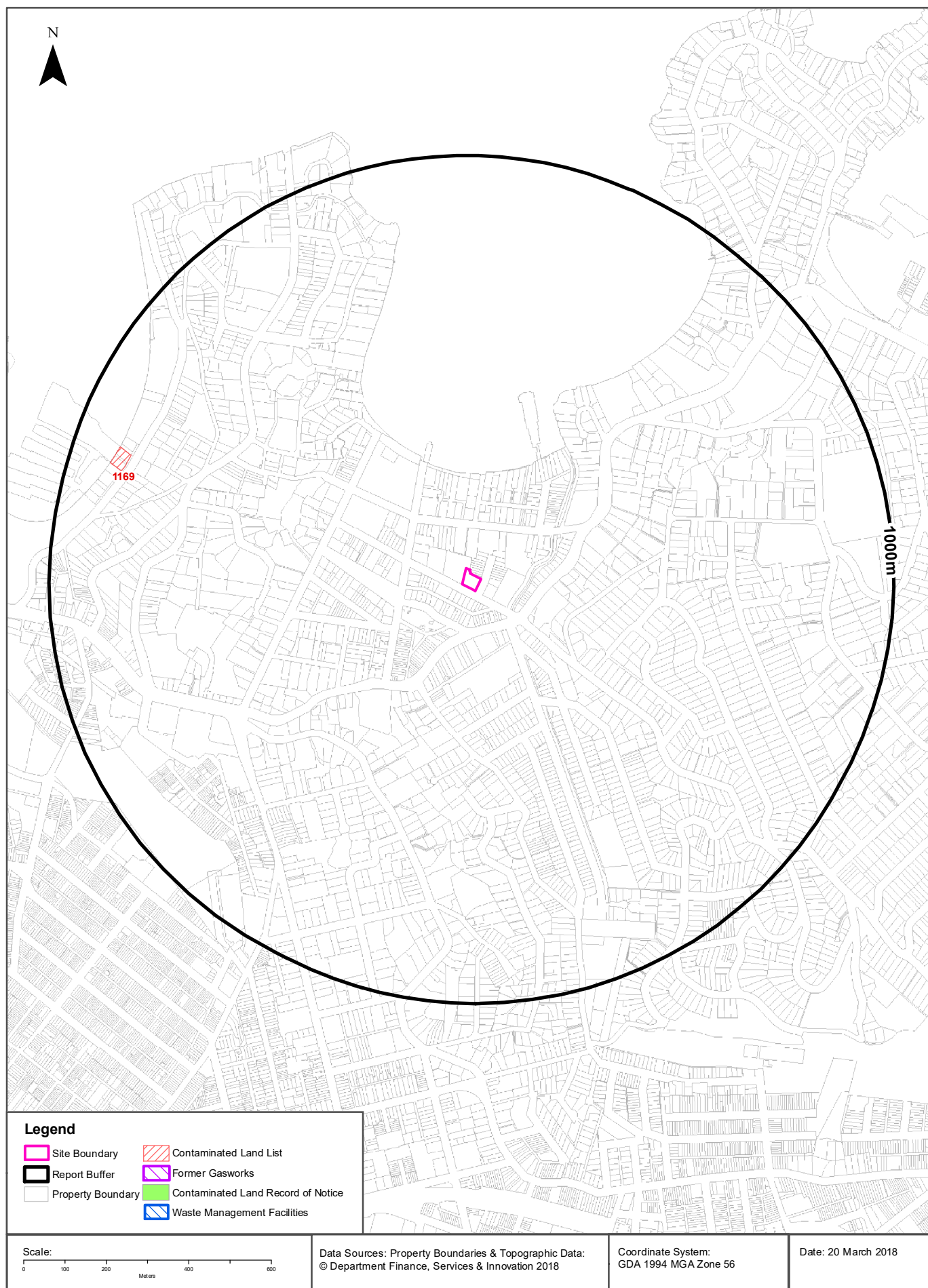
19-27 Cross Street, Double Bay, NSW 2028





# Contaminated Land & Waste Management Facilities

19-27 Cross Street, Double Bay, NSW 2028



# Contaminated Land & Waste Management Facilities

19-27 Cross Street, Double Bay, NSW 2028

## 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 |
|--------|------------------|-------------------|-----------------|----------------|--|------------------|---------------------|----------|-----------|
| 1169   | d'Albora Marinas | 1b New Beach Road | Rushcutters Bay | Other Industry | Contamination currently regulated under POEO Act | Current EPA List | Premise Match       | 857m     | West      |

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

19-27 Cross Street, Double Bay, NSW 2028

### Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

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

Contaminated Land Records of Notice Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

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

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

### Former Gasworks

Former Gasworks within the dataset buffer:

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

Former Gasworks Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

### 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>

# EPA PFAS Investigation Program

19-27 Cross Street, Double Bay, NSW 2028

## EPA PFAS Investigation Program

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

| Id  | Site                 | Address | Location Confidence | Distance | Direction |
|-----|----------------------|---------|---------------------|----------|-----------|
| N/A | No records in buffer |         |                     |          |           |

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



# EPA Other Sites with Contamination Issues

19-27 Cross Street, Double Bay, NSW 2028

## 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

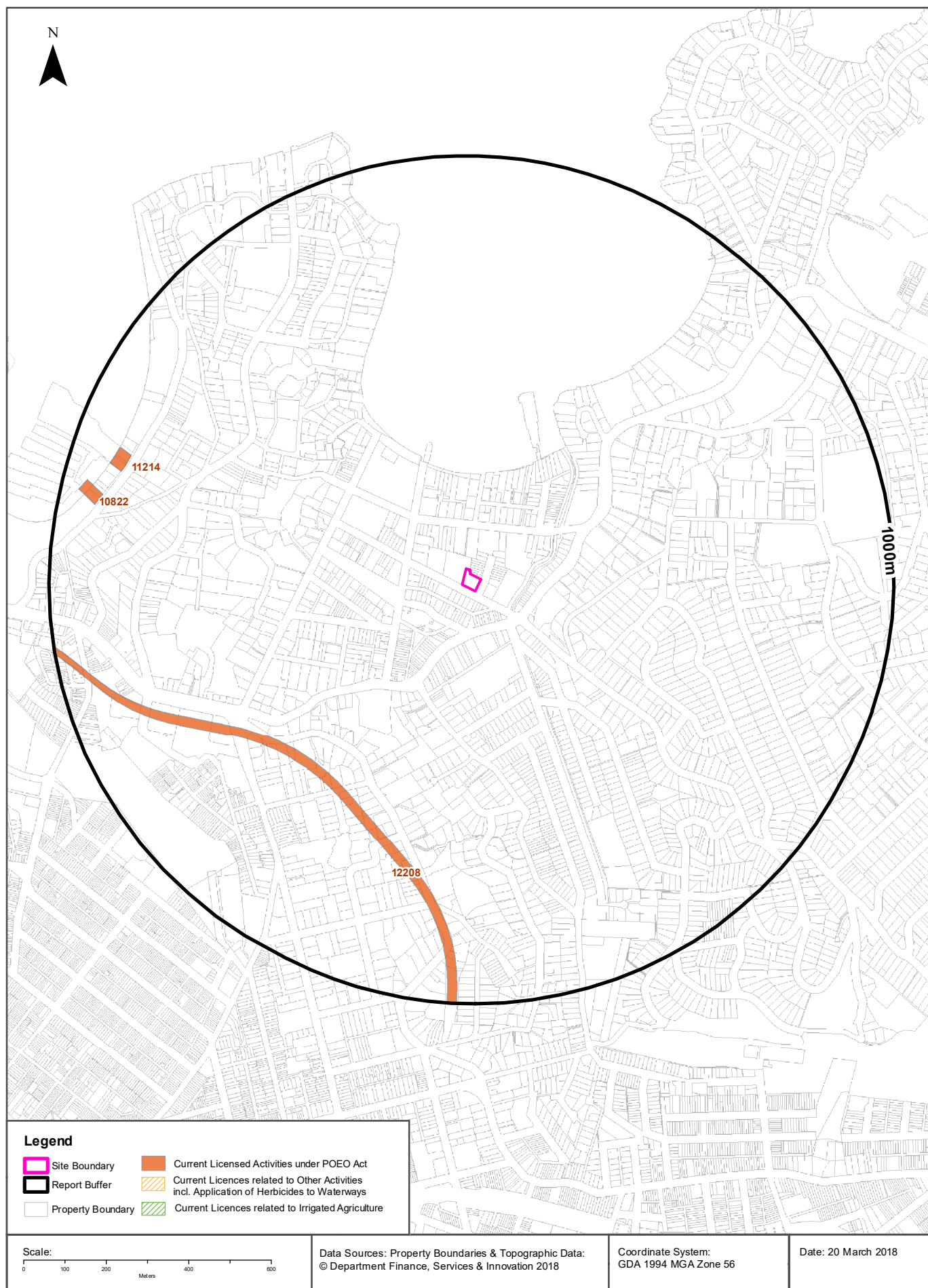
Sites within the dataset buffer:

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

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

# Current EPA Licensed Activities

19-27 Cross Street, Double Bay, NSW 2028



## EPA Activities

19-27 Cross Street, Double Bay, NSW 2028

## Licensed Activities under the POEO Act 1997

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

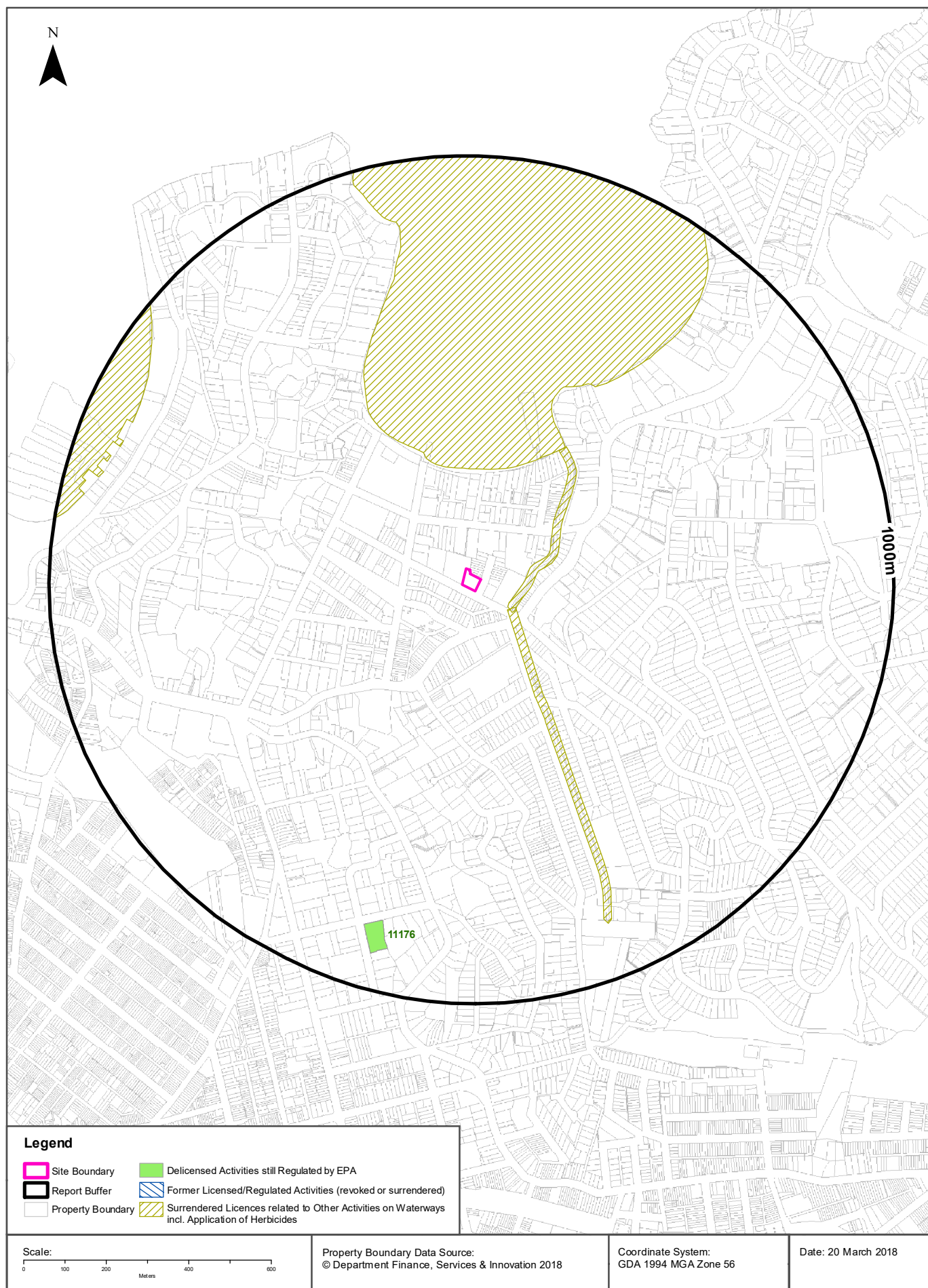
| EPL   | Organisation                           | Name                                       | Address   | Suburb             | Activity                      | Loc Conf         | Distance | Direction  |
|-------|--|--|---|--------------------|-------------------------------|------------------|----------|------------|
| 12208 | SYDNEY TRAINS                          |  | PO BOX K349,<br>HAYMARKET,<br>NSW 1238              |                    | Railway systems<br>activities | Road Match       | 559m     | South West |
| 11214 | NONBANK<br>MORTGAGES<br>PTY. LTD.      | D'ALBORA<br>MARINAS,<br>RUSHCUTTERS<br>BAY | 1b NEW BEACH<br>ROAD, DARLING<br>POINT, NSW<br>2027 | RUSHCUTTERS<br>BAY | Boat mooring and<br>storage   | Premise<br>Match | 857m     | West       |
| 10822 | CRUISING YACHT<br>CLUB OF<br>AUSTRALIA | CRUISING YACHT<br>CLUB OF<br>AUSTRALIA     | NEW BEACH<br>ROAD                                   | DARLING POINT      | Boat mooring and<br>storage   | Premise<br>Match | 897m     | West       |

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

# Delicensed & Former Licensed EPA Activities

19-27 Cross Street, Double Bay, NSW 2028



## EPA Activities

19-27 Cross Street, Double Bay, NSW 2028

### 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 |
|------------|------------------------|------------------------|--------------------|-----------|--|---------------|----------|-----------|
| 11176      | WOLPER JEWISH HOSPITAL | WOLPER JEWISH HOSPITAL | 8 Trelawney Street | WOOLLAHRA | Hazardous, Industrial or Group A Waste Generation or Storage | Premise Match | 826m     | South     |

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:

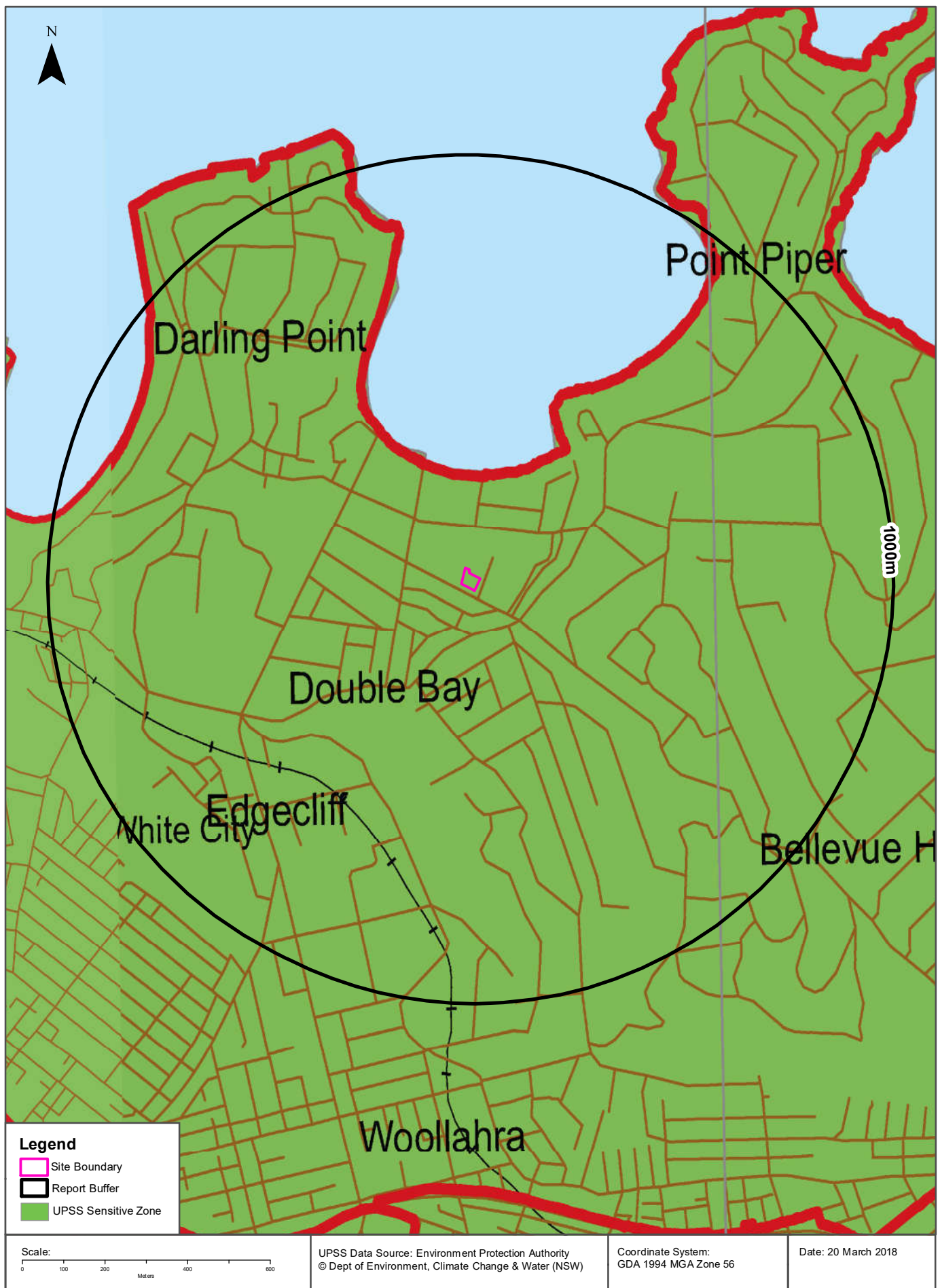
| Licence No | Organisation                            | Location   | Status      | Issued Date | Activity  | Loc Conf            | Distance | Direction |
|------------|---|--|-------------|-------------|---|---------------------|----------|-----------|
| 4653       | LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD | WATERWAYS THROUGHOUT NSW                                       | Surrendered |             | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 86m      | -         |
| 4838       | Robert Orchard                          | Various Waterways throughout New South Wales - SYDNEY NSW 2000 | Surrendered |             | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 86m      | -         |
| 6630       | SYDNEY WEED & PEST MANAGEMENT PTY LTD   | WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148                 | Surrendered |             | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 86m      | -         |

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



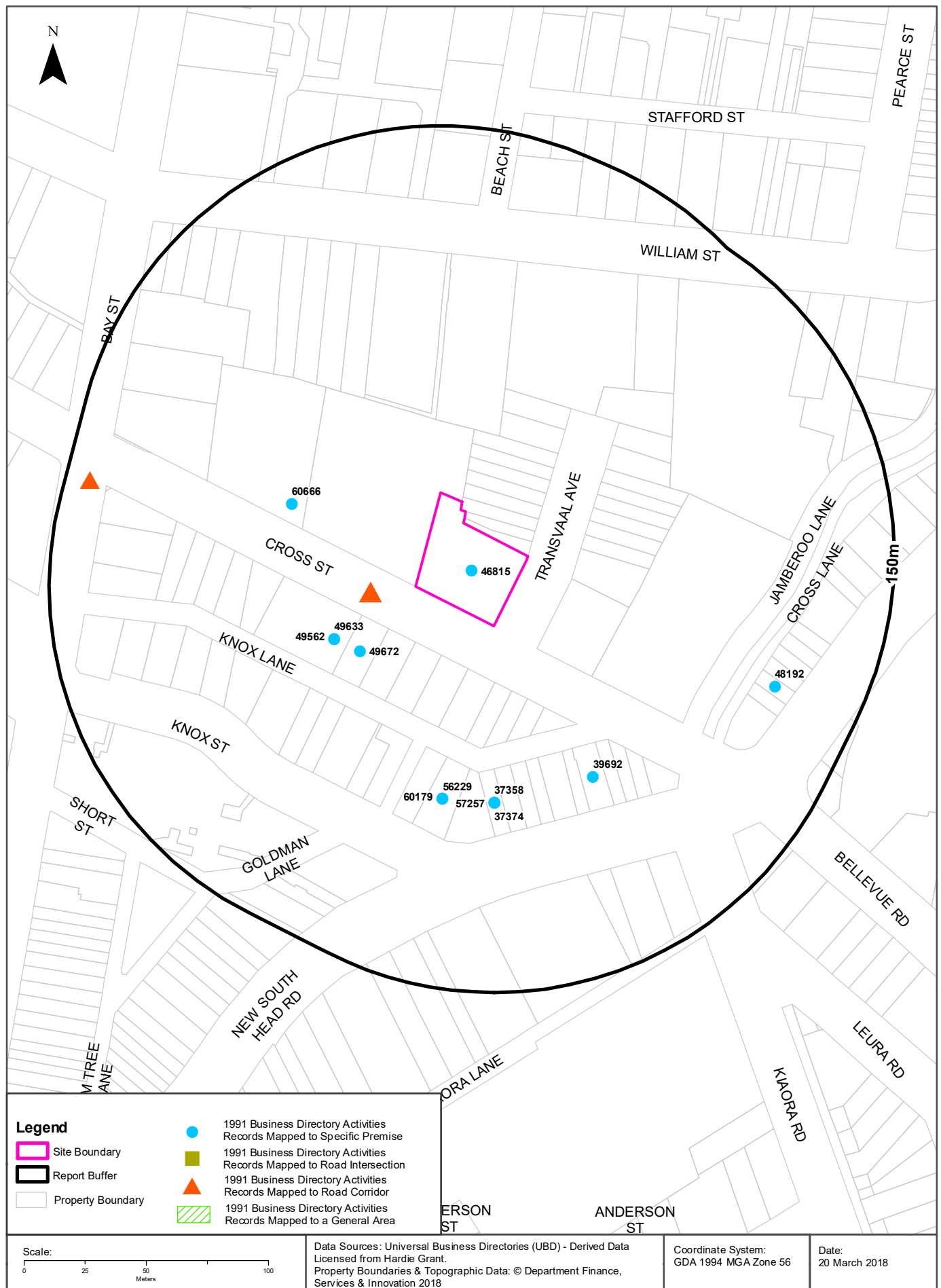
## UPSS Sensitive Zones

19-27 Cross Street, Double Bay, NSW 2028



# 1991 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



## Historical Business Directories

### 19-27 Cross Street, Double Bay, NSW 2028

### 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:

| Business Activity                        | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|--|---------|---------------------|---------------------------|------------|
| Furnishings Soft Mfrs &/or W/salers      | Provincial Fabrics Pty Ltd, 29 Cross St Double Bay 2028                                | 46815   | Premise Match       | 0m                        | Onsite     |
| Interior Decorators                      | Dess Antony, 18 Cross St., Double Bay. 2028  | 49672   | Premise Match       | 35m                       | South West |
| Insurance Companies General              | Marine Hue & Liability Insurance Co. Ltd., 20 Cross St, Double Bay. 2028               | 49562   | Premise Match       | 40m                       | South West |
| Insurance Companies Marine               | Marine Hull & Liability Insurance Co. Pty. Ltd., 20 Cross St Double Bay. 2028          | 49633   | Premise Match       | 40m                       | South West |
| Real Estate Agents                       | Richard Stanton Pty Ltd, 45 Cross St Double Bay 2028                                   | 60666   | Premise Match       | 58m                       | West       |
| Building Societies                       | N.S.W. Permanent Building Society Pty. Ltd.,, 386 New South Head Rd., Double Bay. 2028 | 37358   | Premise Match       | 72m                       | South      |
| Building Societies                       | St. George Building Society, 388 New South Head Rd., Double Bay. 2028                  | 37374   | Premise Match       | 72m                       | South      |
| Photographers Commercial &/or Industrial | Weiner J, 388 New South Head Rd Double Bay 2028  | 57257   | Premise Match       | 72m                       | South      |
| Real Estate Agents                       | Farquharsons, 1 Knox St., Double Bay 2028  | 60179   | Premise Match       | 74m                       | South      |
| Optical Prescription Dispensers          | Optique, 1A Knox St Double Bay 2028  | 56229   | Premise Match       | 74m                       | South      |
| Coffee Imps, Roasters &/or Merchants     | Elbon Coffee Shop., Elbon Arc,402 New South Head Rd., Double Bay 2028                  | 39692   | Premise Match       | 74m                       | South East |
| Hardware Mfrs &/or Dist &/or W/salers    | Larcomb Hardware, 430 New South Head Rd Double Bay 2028                                | 48192   | Premise Match       | 114m                      | East       |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

### 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:

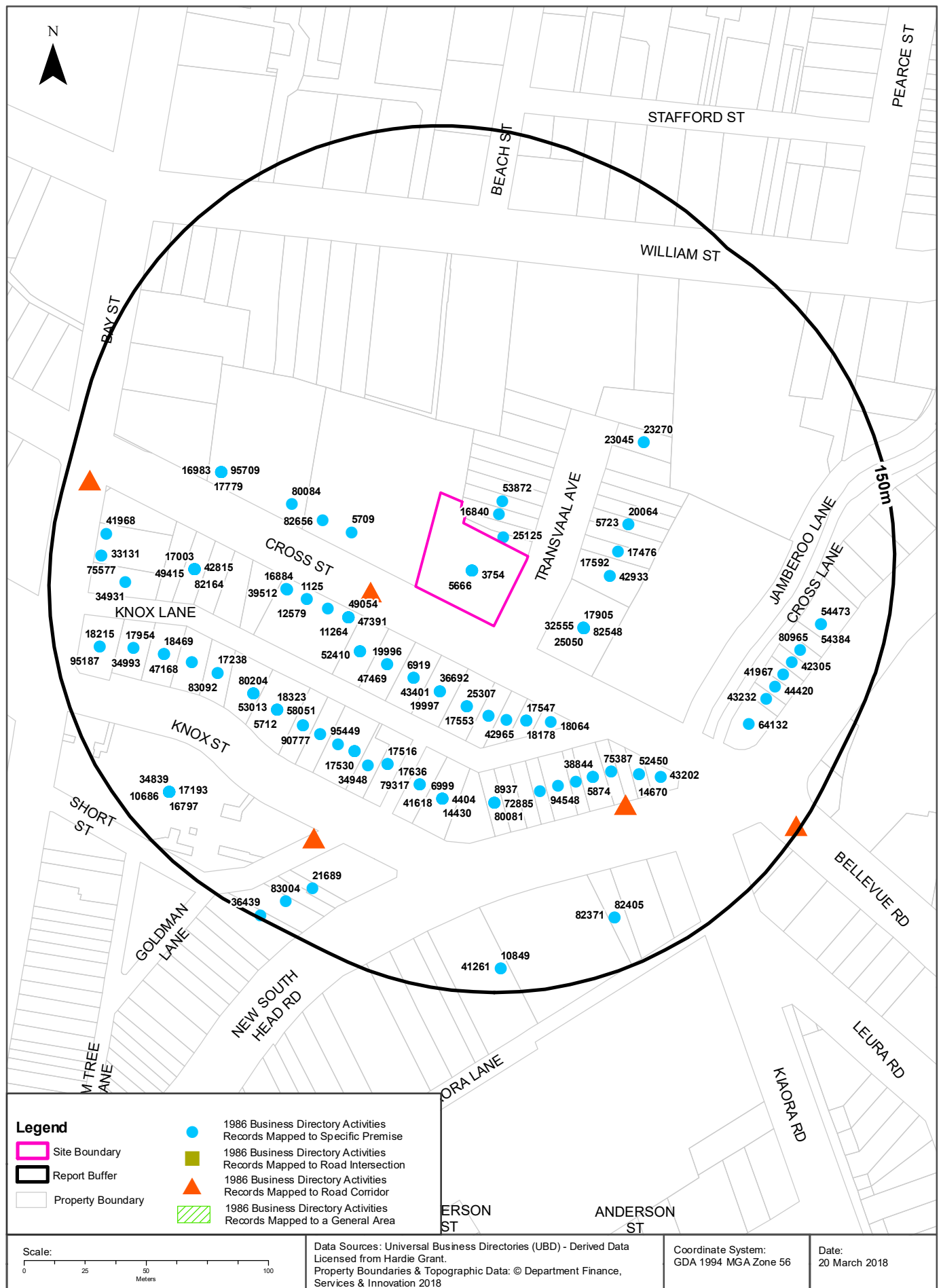
| Business Activity                 | Premise  | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|-----------------------------------|--|---------|---------------------|-----------------------------------|
| Investment Companies &/or Brokers | Leeden, Doug Investments Pty. Ltd., 31 Cross St., Double Bay. 2028 | 49753   | Road Match          | 0m                                |
| Motor Garages & Service Stations  | Bayview Service Station, Bay St, Double Bay 2028                   | 53539   | Road Match          | 132m                              |
| Real Estate Agents                | Silver, M., Bay St, Double Bay. 2028.                              | 60749   | Road Match          | 132m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant



# 1986 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## 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:

| Business Activity                       | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| FURNISHINGS-SOFT-MFRS. &/OR W/SALERS.   | Provincial Fabrics Pty. Ltd., 29 Cross St., Double Bay.                  | 36629   | Premise Match       | 0m                        | Onsite     |
| BEAUTICIANS.                            | Bache, E., 29 Cross St., Double Bay.                                     | 5666    | Premise Match       | 0m                        | Onsite     |
| ART GALLERIES &/OR MUSEUMS.             | Les-Olivades, 29 Cross St., Double Bay.                                  | 3754    | Premise Match       | 0m                        | Onsite     |
| IMPORTERS.                              | Provincial Fabrics Pty. Ltd., 29 Cross St., Double Bay.                  | 47853   | Premise Match       | 0m                        | Onsite     |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Facade, 19 Cross St., Double Bay.  | 17142   | Premise Match       | 0m                        | Onsite     |
| RESTAURANTS.                            | Plaza Drug Store, The, 19 Cross St., Double Bay.                         | 82629   | Premise Match       | 0m                        | Onsite     |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Rhonda Parry, 19 Cross St., Double Bay,                                  | 17777   | Premise Match       | 0m                        | Onsite     |
| TRAVEL AGENCIES &/OR BOOKING OFFICES.   | Vista Travel, Shop 4, 29 Cross St., Double Bay.                          | 95762   | Premise Match       | 0m                        | Onsite     |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Viva by George Gross, 19 Cross St., Double Bay.                          | 18110   | Premise Match       | 0m                        | Onsite     |
| DRESSMAKING &/OR SEWING SERVICES.       | Five Way Fusion, 2 Transvaal Ave., Double Bay.                           | 25125   | Premise Match       | 2m                        | North East |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Bay & Country, 6 Transvaal Ave., Double Bay.                             | 16840   | Premise Match       | 10m                       | North East |
| MEDICAL PRACTITIONERS.                  | Broughton, P., 8 Transvaal Ave., Double Bay.                             | 53872   | Premise Match       | 15m                       | North East |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS. | Kent, G., 20 Cross St., Double Bay.                                      | 42562   | Premise Match       | 30m                       | South West |
| BEAUTICIANS.                            | Kent, G., 20 Cross St., Double Bay.                                      | 5764    | Premise Match       | 30m                       | South West |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS. | Salon Anne, 20 Cross St., Double Bay.                                    | 43050   | Premise Match       | 30m                       | South West |
| DRESS FABRIC RETAILERS.                 | Angelina's, 20 Cross St , Double Bay.                                    | 24984   | Premise Match       | 30m                       | South West |
| DRAPERS-RETAIL.                         | Angelina's, 20 Cross St., Double Bay.                                    | 24745   | Premise Match       | 30m                       | South West |
| TAILORS - LADIES &/OR MENS.             | De Walsey, M., 20 Cross St., Double Bay.                                 | 90237   | Premise Match       | 30m                       | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Dente, Elizabeth, Shop 9 Cross Court Arc., 20 Cross St., Double Bay.     | 17038   | Premise Match       | 30m                       | South West |
| CLUBS &/OR SPORTING BODIES.             | Double Bay Bridge Centre, Suite 29 Cross Court. 20 Cross St., Double Bay | 18923   | Premise Match       | 30m                       | South West |
| ICE CREAM PARLOURS.                     | French Riviera 20 Cross St., Double Bay.                                 | 47391   | Premise Match       | 30m                       | South West |
| CAFES, MILK BARS &/OR SNACK BARS.       | French Riviera, 20 Cross St., Double Bay.                                | 11264   | Premise Match       | 30m                       | South West |
| FOOTWEAR RETAILERS.                     | Hermans, 20 Cross St., Double Bay  | 34804   | Premise Match       | 30m                       | South West |
| INSURANCE COMPANIES -GENERAL.           | Marine Hull & Liability Insurance Co. Ltd., 20 Cross St., Double Bay.    | 48937   | Premise Match       | 30m                       | South West |

| Business Activity                         | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| INSURANCE-MARINE SPECIALISTS.             | Marine Hull & Liability Insurance Co. Pty. Ltd., 20 Cross St., Double Bay. | 49054   | Premise Match       | 30m                       | South West |
| BEAUTICIANS.                              | Deitch, Sylvia, 41 Cross St., Double Bay.                                  | 5709    | Premise Match       | 31m                       | West       |
| DRY CLEANERS & PRESSERS.                  | Jules, Village Centre, 15 Cross St., Double Bay.                           | 25356   | Premise Match       | 33m                       | South East |
| LAUNDRIES &/OR LAUNDRETTES.               | Jules, Village Centre, 15 Cross St., Double Bay.                           | 51171   | Premise Match       | 33m                       | South East |
| PHYSIOTHERAPISTS.                         | Belisario, Dolores, Village Centre, 15 Cross St., Double Bay.              | 73431   | Premise Match       | 33m                       | South East |
| FILM PRODUCERS.                           | Challenges Accepted Pty. Ltd., 15 Cross St., Double Bay.                   | 32555   | Premise Match       | 33m                       | South East |
| HEALTH FOODS-RETAIL.                      | Discount Health Foods, 17 Cross St., Double Bay.                           | 45236   | Premise Match       | 33m                       | South East |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Hannaford, Sussan, Shop 9, 17 Cross St., Double Bay.                       | 17266   | Premise Match       | 33m                       | South East |
| CLOTHING-RETAIL-BABY &/OR CHILDRENS WEAR. | Jana of Cross Street, Village Centre, 15 Cross St., Double Bay.            | 16527   | Premise Match       | 33m                       | South East |
| DRESS FABRIC RETAILERS.                   | Knitwit, Shop 4, 15 Cross St., Double Bay.                                 | 25050   | Premise Match       | 33m                       | South East |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.        | Michal Jewellers, Village Centre, 15 Cross St., Double Bay.                | 49854   | Premise Match       | 33m                       | South East |
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.      | Najee-Gentlemen's Boutique, Shop 3, 17 Cross St., Double Bay.              | 18599   | Premise Match       | 33m                       | South East |
| RESTAURANTS.                              | Perla's Coffee Lounge, Village Centre, 15 Cross St., Double Bay.           | 82548   | Premise Match       | 33m                       | South East |
| PHYSIOTHERAPISTS.                         | Sails, Theresa, Village Centre, 15 Cross St., Double Bay.                  | 73592   | Premise Match       | 33m                       | South East |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Serkan Boutique, Shop 1, 15 Cross St., Double Bay.                         | 17846   | Premise Match       | 33m                       | South East |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Spark, Margie, Shop 2, 15 Cross St., Double Bay.                           | 17905   | Premise Match       | 33m                       | South East |
| TOY DEALERS - RETAIL.                     | Teddy & Friends, 17 Cross St., Double Bay.                                 | 94527   | Premise Match       | 33m                       | South East |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.   | Pia of Finland, 1 Transvaal Ave., Double Bay.                              | 42933   | Premise Match       | 34m                       | East       |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Mode Coordinee, Shop 4, 1 Transvaal Ave., Double Bay.                      | 17592   | Premise Match       | 34m                       | East       |
| BOOT &/OR SHOE REPAIRERS.                 | Double Bay Shoe Repairs, 12 Cross St., Double Bay.                         | 7362    | Premise Match       | 34m                       | South      |
| HAIRDRESSER LADIES &/OR BEAUTY SALONS     | Village Gossip, The, 12A Cross St., Double Bay.                            | 43401   | Premise Match       | 34m                       | South      |
| CONFECTIONERS-RETAIL.                     | Bon Bon Chocolates, 12 Cross St., Double Bay.                              | 19997   | Premise Match       | 34m                       | South      |
| FURNISHINGS-SOFT-RETAIL.                  | Hampshire & Lowndes, 12 Cross St., Double Bay.                             | 36692   | Premise Match       | 34m                       | South      |
| IMPORTERS.                                | Army's Katie, Hunters Arc., 16 Cross St., Double Bay.                      | 47469   | Premise Match       | 34m                       | South West |
| INTERIOR DECORATORS.                      | Seymour Interiors, Knox Lane Read, 14 Cross St., Double Bay.               | 49188   | Premise Match       | 34m                       | South West |
| CONFECTIONERS-RETAIL.                     | Anny's Kafee, Hunters Arc., 16 Cross St., Double Bay.                      | 19996   | Premise Match       | 34m                       | South West |
| BOOKSELLERS-RETAIL.                       | Book Utopia, 14 Cross St., Double Bay.                                     | 6919    | Premise Match       | 34m                       | South West |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.        | Eilat Jewellery, Shop 6 Hunters Arc., 16 Cross St., Double Bay.            | 49689   | Premise Match       | 34m                       | South West |
| CURTAINS-RETAIL.                          | Seymour Interiors, Knox Lane Read, 14 Cross St., Double Bay.               | 20881   | Premise Match       | 34m                       | South West |
| FURNISHINGS-SOFT-RETAIL.                  | Seymour Interiors, Knox Lane Road, 14 Cross St., Double                    | 36730   | Premise Match       | 34m                       | South West |
| DRY CLEANERS & PRESSERS.                  | Florida Dry Cleaners, 10 Cross St., Double Bay.                            | 25307   | Premise Match       | 35m                       | South      |
| BUTCHERS-RETAIL.                          | Bay Butchery, The, Cross Court Arc., 10 Cross St., Double Bay.             | 9577    | Premise Match       | 35m                       | South      |

| Business Activity                                      | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.                | Meechi Boutique, 10 Cross St., Double Bay.                      | 17553   | Premise Match       | 35m                       | South      |
| TRAVEL AGENCIES &/OR BOOKING OFFICES.                  | Orbit Travel, 10 Cross St., Double Bay.                         | 95496   | Premise Match       | 35m                       | South      |
| INTERIOR DECORATORS.                                   | Dess Anthony, 18 Cross St., Double Bay.                         | 49138   | Premise Match       | 35m                       | South West |
| MANCHESTER SPECIALISTS &/OR RETAILERS.                 | En Suite, Shop 8 Hunters Arc., 18 Cross St., Double Bay.        | 52410   | Premise Match       | 35m                       | South West |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.                | Foreign Affair, 18 Cross St., Double Bay.                       | 42065   | Premise Match       | 35m                       | South West |
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.                   | Aristoni & Duke, 18 Cross St., Double Bay.                      | 18296   | Premise Match       | 35m                       | South West |
| RESTAURANTS.   | Hunters Lodge Restaurant, 18 Cross St., Double Bay,             | 81840   | Premise Match       | 35m                       | South West |
| TAILORS - LADIES &/OR MENS.                            | Szamek, F., 18 Cross St., Double Bay.                           | 90326   | Premise Match       | 35m                       | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.                | Laura Ashley, 3 Transvaal Ave., Double Bay.                     | 17476   | Premise Match       | 37m                       | East       |
| REAL ESTATE AGENTS.                                    | Double Bay Property Exchange Pty. Ltd., 2 Knox La., Double Bay. | 79370   | Premise Match       | 37m                       | South      |
| REAL ESTATE AGENTS.                                    | Raine & Horne, 8 Cross St., Double Bay.                         | 80011   | Premise Match       | 37m                       | South      |
| HOSIERY MFRS. &/OR W/SALERS.                           | H.C.F., 22 Cross St., Double Bay.                               | 46170   | Premise Match       | 37m                       | West       |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.                | Ramon of Double Bay, 6 Cross St, Double Bay.                    | 42965   | Premise Match       | 39m                       | South      |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.                | Alexander International, 4 Cross St., Double Bay.               | 41556   | Premise Match       | 41m                       | South      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.                | Materna-Moda, 4 Cross St., Double Bay.                          | 17547   | Premise Match       | 41m                       | South      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.                | Zak's Boutique, 4 Cross St., Double Bay.                        | 18178   | Premise Match       | 41m                       | South      |
| BEAUTICIANS.   | Pacemakers, 7 Transvaal Ave., Double Bay.                       | 5723    | Premise Match       | 43m                       | East       |
| CONFECTIONERS-RETAIL.                                  | Passello, 7 Transvaal Ave., Double Bay.                         | 20064   | Premise Match       | 43m                       | East       |
| RESTAURANTS.   | Pronto, 43 Cross St., Double Bay.                               | 82656   | Premise Match       | 44m                       | West       |
| CARPET &/OR FLOOR COVERING RETAILERS &/OR SPECIALISTS. | Persian Carpet Gallery, 24 Cross St., Double Bay.               | 12579   | Premise Match       | 45m                       | West       |
| ACCOUNTANTS & AUDITORS.                                | Warner, G. J., 24 Cross St., Double Bay.                        | 1125    | Premise Match       | 45m                       | West       |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.                | Topsys Boutique Pty. Ltd., 2 Cross St., Double Bay.             | 18064   | Premise Match       | 46m                       | South East |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.                | Bowman, Gwen, 1 Cross Court, 26 Cross St., Double Bay.          | 16884   | Premise Match       | 53m                       | West       |
| CLOTHING-RETAIL-LINGERIE.                              | Lolita's, 26 Cross St., Double Bay.                             | 18239   | Premise Match       | 53m                       | West       |
| GIFT SHOPS.  | Studio-Haus, 26 Cross St., Double Bay.                          | 39512   | Premise Match       | 53m                       | West       |
| REAL ESTATE AGENTS.                                    | Richard Stanton Pty. Ltd., 45 Cross St., Double Bay.            | 80084   | Premise Match       | 58m                       | West       |
| DENTISTS.  | Moore, B. W., 17 Transvaal Ave., Double Bay.                    | 23045   | Premise Match       | 66m                       | North East |
| DENTISTS.  | Royse-Smith, T., 17 Transvaal Ave., Double Bay.                 | 23270   | Premise Match       | 66m                       | North East |
| WINE &/OR SPIRIT MERCHANTS RETAIL.                     | Double Bay Liquor Store, 394 New South Head Rd., Double Bay.    | 99259   | Premise Match       | 70m                       | South      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.                | Ma-Jude Boutique, 5 Knox St., Double Bay.                       | 17516   | Premise Match       | 70m                       | South      |

| Business Activity                         | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Pierre Cardin, 5 Knox St., Double Bay.   | 17707   | Premise Match       | 70m                       | South      |
| GIFT SHOPS.                               | Pierre Cardin, 5 Knox St., Double Bay.   | 39403   | Premise Match       | 70m                       | South      |
| TOY DEALERS - RETAIL.                     | Toyvilla, 396 New South Head Rd., Double Bay.                                    | 94548   | Premise Match       | 71m                       | South      |
| TRAVEL AGENCIES &/OR BOOKING OFFICES.     | American Express Travel Service, 388 New South Head Rd., Double Bay.             | 95164   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS.                       | Coventry Hall Pty. Ltd., 3 Knox St., Double Bay.                                 | 79317   | Premise Match       | 72m                       | South      |
| ACCOUNTANTS & AUDITORS.                   | Gilbert, Graham B., 3 Knox St., Double Bay.                                      | 488     | Premise Match       | 72m                       | South      |
| BUILDING SOCIETIES.                       | N.S.W. Permanent Building Society Pty. Ltd., 386 New South Head Rd., Double Bay. | 8937    | Premise Match       | 72m                       | South      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Novella, 3 Knox St., Double Bay.   | 17636   | Premise Match       | 72m                       | South      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Papoucci Raiders, 3 Knox St., Double Bay.  | 17666   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS.                       | Residential Unit Management Pty. Ltd., 388 New South Head Rd., Double Bay.       | 80081   | Premise Match       | 72m                       | South      |
| BUILDING SOCIETIES.                       | St. George Building Society, 388 New South Head Rd., Double Bay.                 | 8978    | Premise Match       | 72m                       | South      |
| PHOTOGRAPHERS – GENERAL.                  | Waal, J., 388 New South Head Rd., Double Bay.                                    | 73009   | Premise Match       | 72m                       | South      |
| PHOTOGRAPHERS COMMERCIAL &/OR INDUSTRIAL. | Weiner, J., 388 New South Head Rd., Double Bay.                                  | 72885   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS                        | Taylor, A. H. Pty. Ltd., 400 New South Head Rd., Double Bay.                     | 80249   | Premise Match       | 72m                       | South East |
| DENTISTS.                                 | Spiegel, D. H , 9 Knox St., Double Bay.  | 23380   | Premise Match       | 72m                       | South West |
| HAIRDRESSER LADIES &/OR BEAUTY SALONS     | SW3 Knightsbridge, 9 Knox St., Double Bay.                                       | 43252   | Premise Match       | 72m                       | South West |
| RESTAURANTS.                              | Double Bay Steakhouse,,13 Knox St., Double Bay.                                  | 81472   | Premise Match       | 72m                       | South West |
| MEDICAL PRACTITIONERS.                    | Feller, K. H., 9 Knox St., Double Bay.   | 54807   | Premise Match       | 72m                       | South West |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.        | L.K. Jewellery Boutique, 9 Knox St., Double Bay.                                 | 49811   | Premise Match       | 72m                       | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Mark Foys Boutique, 9 Knox St., Double Bay.                                      | 17530   | Premise Match       | 72m                       | South West |
| TRAVEL AGENCIES &/OR BOOKING OFFICES.     | Mark Foys Travel, 11 Knox St., Double Bay.                                       | 95449   | Premise Match       | 72m                       | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Sportsgirl, 13 Knox St., Double Bay.   | 17939   | Premise Match       | 72m                       | South West |
| TAKE-AWAY FOODS.                          | Double Bay Gourmet, 15 Knox St., Double Bay.                                     | 90777   | Premise Match       | 73m                       | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | House of Traditions, 15 Knox St., Double Bay.                                    | 17320   | Premise Match       | 73m                       | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | La-Coste, 15 Knox St., Double Bay.   | 17458   | Premise Match       | 73m                       | South West |
| CHEMISTS-PHARMACEUTICAL.                  | Knox Street Pharmacy, The, 1 Knox St., Double Bay.                               | 14430   | Premise Match       | 74m                       | South      |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.   | Ava Coiffure, 1 Knox St. Double Bay.   | 41618   | Premise Match       | 74m                       | South      |
| STATIONERS - RETAIL.                      | Double Bay Newsagency, 1 Knox St., Double Bay.                                   | 88399   | Premise Match       | 74m                       | South      |
| NEWSAGENTS.                               | Double Bay Newsagency, 1 Knox St., Double Bay.                                   | 69288   | Premise Match       | 74m                       | South      |
| BOOKSELLERS-RETAIL.                       | Double Bay Newsagency, 1 Knox St., Double Bay.                                   | 6999    | Premise Match       | 74m                       | South      |
| AUCTIONEERS REAL ESTATE                   | Farquharson, I Knox St., Double Bay.   | 4404    | Premise Match       | 74m                       | South      |

| Business Activity                         | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| REAL ESTATE AGENTS.                       | Farquharsons, 1 Knox St., Double Bay.                                  | 79407   | Premise Match       | 74m                       | South      |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.        | Janet Nyhan Lynch, 1 Knox St., Double Bay.                             | 49780   | Premise Match       | 74m                       | South      |
| OPTOMETRISTS &/OR OPTICIANS.              | Masnick, A. & K, 1 Knox St., Double Bay,.                              | 70939   | Premise Match       | 74m                       | South      |
| OPTICAL DISPENSERS.                       | Optique, 1A Knox St., Double Bay.                                      | 70722   | Premise Match       | 74m                       | South      |
| COFFEE IMP., ROASTER &/OR MERCHANTS.      | Elbon Coffee Shop, Elbon Arc., 402 New South Head Rd , Double Bay.     | 19085   | Premise Match       | 74m                       | South East |
| BEAUTICIANS.                              | Viva Sculptured Nails, Elbon Arc., 402 New South Head Rd., Double Bay. | 5874    | Premise Match       | 74m                       | South East |
| GIFT SHOPS.                               | Baskets With Love, Elbon Arc , 402 New South Head Rd., Double Bay.     | 38844   | Premise Match       | 74m                       | South East |
| CONFECTIONERS-RETAIL.                     | Elbon Coffee Shop, Elbon Arc., 402 New South Head Rd., Double Bay.     | 20048   | Premise Match       | 74m                       | South East |
| FOOTWEAR RETAILERS.                       | Raymond Castles, 7 Knox St., Double Bay                                | 34948   | Premise Match       | 74m                       | South West |
| CHEMISTS-PHARMACEUTICAL.                  | Hallam Pty. Ltd., 406 New South Head Rd., Double Bay.                  | 14300   | Premise Match       | 76m                       | South East |
| PODIATRISTS.                              | Hallam Pty. Ltd., 406 New South Head Rd., Double Bay.                  | 75387   | Premise Match       | 76m                       | South East |
| BEAUTICIANS.                              | Dussol, C., 17 Knox St., Double Bay.                                   | 5712    | Premise Match       | 76m                       | South West |
| DENTISTS.                                 | Smythe, J. O., 17 Knox St., Double Bay.                                | 23363   | Premise Match       | 76m                       | South West |
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.      | Briacci & Brooks, 17 Knox St., Double Bay.                             | 18323   | Premise Match       | 76m                       | South West |
| CHIROPRACTORS.                            | Derig, Peter J., 17 Knox St., Double Bay.                              | 15192   | Premise Match       | 76m                       | South West |
| PHYSICAL CULTURE TEACHERS WOR GYMNASIUMS. | Double Bay Body Works, 17 Knox St., Double Bay.                        | 73401   | Premise Match       | 76m                       | South West |
| MASSEURS-MASSEUSES.                       | Double Bay Body Works, 17 Knox St., Double Bay.                        | 53013   | Premise Match       | 76m                       | South West |
| MEDICAL PRACTITIONERS.                    | Unsen, G., 17 Knox St., Double Bay.                                    | 58051   | Premise Match       | 76m                       | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Zucci, 17 Knox St., Double Bay.  | 18185   | Premise Match       | 76m                       | South West |
| BEAUTICIANS.                              | Sculptured Fingernails, Suite 8, 21 Knox St., Double Bay.              | 5844    | Premise Match       | 80m                       | South West |
| HAIRDRESSER LADIES &/OR BEAUTY SALONS     | Stella's Hair Fashion, 21 Knox St., Double Bay.                        | 43199   | Premise Match       | 80m                       | South West |
| ANTIQUE DEALERS.                          | Buxton, A., 21 Knox St., Double Bay                                    | 3170    | Premise Match       | 80m                       | South West |
| ACCOUNTANTS & AUDITORS.                   | Montague, C. Orr & Co., 21 Knox St., Double Bay.                       | 786     | Premise Match       | 80m                       | South West |
| REAL ESTATE AGENTS.                       | Stanton, Walden, Norman, (In Assoc.), 21 Knox St., Double Bay.         | 80204   | Premise Match       | 80m                       | South West |
| CAFES, MILK BARS &/OR SNACK BARS.         | Twenty One, 21 Knox St, Double Bay.                                    | 11435   | Premise Match       | 80m                       | South West |
| RESTAURANTS.                              | Twenty One, 21 Knox St., Double Bay,                                   | 83081   | Premise Match       | 80m                       | South West |
| MANCHESTER SPECIALISTS &/OR RETAILERS.    | Powder Blue, 412 New South Head Rd., Double Bay.                       | 52450   | Premise Match       | 85m                       | South East |
| FURNISHINGS-SOFT-RETAIL.                  | Powder Blue, 412 New South Head Rd., Double Bay.                       | 36726   | Premise Match       | 85m                       | South East |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Gianni's, 27 Knox St., Double Bay.                                     | 17238   | Premise Match       | 88m                       | South West |
| RESTAURANTS.                              | Verdi, Restaurant 29 Knox St., Double Bay.                             | 83092   | Premise Match       | 88m                       | South West |
| GIFT SHOPS.                               | Art Reflection, Shop 7 The Georges Centre, 51 Cross St., Double Bay.   | 38793   | Premise Match       | 89m                       | West       |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Collections, Shop 11 The Georges Centre, 51 Cross St., Double Bay.     | 16983   | Premise Match       | 89m                       | West       |

| Business Activity                         | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction |
|---|--|---------|---------------------|---------------------------|-----------|
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.      | Country Road, Shop 15 The Georges Centre, 51 Cross St., Double Bay.                | 18373   | Premise Match       | 89m                       | West      |
| OPTOMETRISTS &/OR OPTICIANS.              | Don, B. A., Shop 10 The Georges Centre, 51 Cross St., Double Bay.                  | 70832   | Premise Match       | 89m                       | West      |
| RESTAURANTS.                              | Doninl, Shop 1 The Georges Centre, 51 Cross St., Double Bay.                       | 81467   | Premise Match       | 89m                       | West      |
| GIFT SHOPS.                               | French Perfumery, Shop 8 The Georges Centre, 51 Cross St., Double Bay.             | 39066   | Premise Match       | 89m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Georges of Wellington, Shop 12 The Georges Centre, 51 Cross St., Double Bay.       | 17233   | Premise Match       | 89m                       | West      |
| GIFT SHOPS.                               | Georges, Shop 5 The Georges Centre, 51 Cross St., Double Bay.                      | 39078   | Premise Match       | 89m                       | West      |
| GIFT SHOPS.                               | Guess Who's Coming To Dinner, Shop 14 The George Centre, 51 Cross St., Double Bay. | 39120   | Premise Match       | 89m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Richards, Shop 9 The Georges Centre, 51 Cross St., Double Bay.                     | 17779   | Premise Match       | 89m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Simode, Shop 2 The Georges Centre, 51 Cross St., Double Bay,                       | 17881   | Premise Match       | 89m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Sport Futur Courreges, Shop 13 The Georges Centre, 51 Cross St., Double Bay.       | 17910   | Premise Match       | 89m                       | West      |
| TRAVEL AGENCIES &/OR BOOKING OFFICES.     | Traveland, Shop 6 The Georges Centre, 51 Cross St., Double Bay.                    | 95709   | Premise Match       | 89m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Varnier, Maria, Shop 4 The Georges Centre, 51 Cross St., Double Bay.               | 18096   | Premise Match       | 89m                       | West      |
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.      | Weiss Pringle, Shop 3 The Georges Centre, 51 Cross St., Double Bay.                | 18747   | Premise Match       | 89m                       | West      |
| JEWELLERY-MFRS. &/OR IMPS. &/OR W/SAL     | Four Winds Gallery, Shop 12 Bay Village, 28 Cross St., Double Bay.                 | 49415   | Premise Match       | 91m                       | West      |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.   | Dunn, Nicholas, Bay Village, 28 Cross St., Double Bay.                             | 41974   | Premise Match       | 91m                       | West      |
| ART GALLERIES &/OR MUSEUMS.               | Four Winds Gallery, Shop 12 Bay Village, 28 Cross St., Double Bay.                 | 3723    | Premise Match       | 91m                       | West      |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.   | Franco di Roma, Bay Village, 28 Cross St., Double Bay.                             | 42078   | Premise Match       | 91m                       | West      |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.   | Mr. Leon, Shop 3 Bay Village, 28 Cross St, Double Bay.                             | 42815   | Premise Match       | 91m                       | West      |
| BEAUTICIANS.                              | Nails of Distinction, 36 Cross St., Double Bay.                                    | 5809    | Premise Match       | 91m                       | West      |
| BEAUTICIANS.                              | Viola Eshed, Shop 22 Bay Village, 28 Cross St., Double Bay.                        | 5872    | Premise Match       | 91m                       | West      |
| HAIRDRESSER LADIES &/OR BEAUTY SALONS     | Viola Eshed, Shop 22 Bay Village, 28 Cross St., Double Bay.                        | 43409   | Premise Match       | 91m                       | West      |
| CLOTHING-RETAIL-LINGERIE.                 | Adrienne, Bay Village, 28 Cross St., Double Bay.                                   | 18187   | Premise Match       | 91m                       | West      |
| CLOTHING-RETAIL-BABY &/OR CHILDRENS WEAR. | Adrienne, Bay Village, 28 Cross St., Double Bay.                                   | 16464   | Premise Match       | 91m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Adrienne, Bay Village, 28 Cross St., Double Bay.                                   | 16761   | Premise Match       | 91m                       | West      |
| FLORISTS-RETAIL.                          | Carla Florist, Bay Village, 28 Cross St., Double Bay.                              | 33684   | Premise Match       | 91m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Courreges, Bay Village, 28 Cross St., Double Bay.                                  | 17003   | Premise Match       | 91m                       | West      |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.   | Elegance BoutiqUs, Bay Village, 28 Cross St., Double Bay.                          | 17106   | Premise Match       | 91m                       | West      |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.        | Four Winds Gallery, Shop 12 Bay Village, 28 Cross St., Double Bay.                 | 49708   | Premise Match       | 91m                       | West      |
| RESTAURANTS.                              | Liszt Coffee Lounge, Bay Village, 28 Cross St., Double Bay,                        | 82164   | Premise Match       | 91m                       | West      |
| CAFES, MILK BARS &/OR SNACK BARS.         | Liszt Coffee Lounge, Bay Village, 28 Cross St., Double Bay.                        | 11316   | Premise Match       | 91m                       | West      |

| Business Activity                       | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| TAKE-AWAY FOODS.                        | San Pan Take-Away, Bay Woo , 28 Cross SE, Double Bay.                      | 91714   | Premise Match       | 91m                       | West       |
| TAILORS - LADIES &/OR MENS.             | Stuart, Michael Tailors to Measure, Bay Village, 28 Cross St, Double Bay.  | 90324   | Premise Match       | 91m                       | West       |
| TAILORS - REPAIR.                       | Stuart, Michael Tailors to Measure, Bay Village, 28 Cross St., Double Bay. | 90363   | Premise Match       | 91m                       | West       |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Wellington of Melbourne, Shop 14 Bay Village, 28 Cross St., Double Bay.    | 18133   | Premise Match       | 91m                       | West       |
| REAL ESTATE AGENTS                      | White, D. H. Pty. Ltd., 28 Cross St., Double Bay.                          | 80351   | Premise Match       | 91m                       | West       |
| CHEMISTS-PHARMACEUTICAL.                | Ottoways Pharmacy, 416 New South Head Rd., Double Bay.                     | 14670   | Premise Match       | 92m                       | South East |
| HAIRDRESSER LADIES &/OR BEAUTY SALONS   | Stephen L. Salon, 414 New South Head Rd., Double Bay.                      | 43202   | Premise Match       | 92m                       | South East |
| FOOTWEAR RETAILERS.                     | Edward Meller, 37 Knox St., Double Bay.                                    | 34665   | Premise Match       | 97m                       | West       |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Palmer, Adele, 33 Knox St., Double Bay.                                    | 17661   | Premise Match       | 97m                       | West       |
| HOTELS-PRIVATE.                         | Savoy Lodge. 41 Knox St., Double Bay.                                      | 47168   | Premise Match       | 107m                      | West       |
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.    | John Lane, 41 Knox St., Double Bay,  | 18469   | Premise Match       | 107m                      | West       |
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.    | Sebastians Mens Fashion, 39 Knox St.-, Double Bay.                         | 18673   | Premise Match       | 107m                      | West       |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Womens Outfitters, 43 Knox St., Double Bay.                                | 18164   | Premise Match       | 107m                      | West       |
| MOTOR GARAGES & SERVICE STATIONS.       | BP Double Bay, 424 New South Head Rd., Double Bay.                         | 64132   | Premise Match       | 111m                      | South East |
| HAIRDRESSER LADIES &/OR BEAUTY SALONS   | Stylish Beauty Salon, 426 New South Head Rd., Double Bay.                  | 43232   | Premise Match       | 113m                      | South East |
| HARDWARE MFRS. &/OR DIST.               | Larcomb Hardware, 430 New South Head Rd., Double Bay.                      | 44420   | Premise Match       | 114m                      | East       |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS. | Double Bay Beauty Salon, 434 New South Head Rd., Double Bay.               | 41967   | Premise Match       | 115m                      | East       |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS. | Hairdresser, The, 436 New South Head Rd., Double Bay.                      | 42305   | Premise Match       | 116m                      | East       |
| RESTAURANTS.                            | Al-Corso, 440 New South Head Rd., Double Bay.                              | 80965   | Premise Match       | 118m                      | East       |
| FOOTWEAR RETAILERS.                     | Stephen Adler Shoes, 45 Knox St., Double Bay.                              | 34993   | Premise Match       | 118m                      | West       |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Stephen Adler Shoes, 45 Knox St., Double Bay.                              | 17954   | Premise Match       | 118m                      | West       |
| FOOTWEAR RETAILERS.                     | Philip Graves, 49 Bay St., Double Bay.                                     | 34931   | Premise Match       | 119m                      | West       |
| MEDICAL PRACTITIONERS.                  | Crooks, R., 442 New South Head Rd., Double Bay.                            | 54384   | Premise Match       | 123m                      | East       |
| MEDICAL PRACTITIONERS.                  | Davis, I., 442 New South Head Rd., Double Bay.                             | 54473   | Premise Match       | 123m                      | East       |
| HAIRDRESSERS-LADIES &/OR BEAUTY SALONS. | Double Bay Hair Co., 53 Bay St., Double Bay.                               | 41968   | Premise Match       | 128m                      | West       |
| RESTAURANTS.                            | Myako Japanese, 455 New South Head Rd., Double Bay.,                       | 82371   | Premise Match       | 129m                      | South East |
| RESTAURANTS.                            | New York Deli., 455 New South Head Rd., Double Bay.                        | 82405   | Premise Match       | 129m                      | South East |
| POULTRY DEALERS - RETAIL.               | Double Bay Golden Chicken, 51 Bay St., Double Bay.                         | 75577   | Premise Match       | 129m                      | West       |
| FISH MERCHANTS-RETAIL.                  | Double Bay Seafoods, 51 Bay St., Double Bay.                               | 33131   | Premise Match       | 129m                      | West       |
| DELICATESSENS.                          | Double Bay Delicatessen, 374 New South Head Rd., Double Bay.               | 21689   | Premise Match       | 130m                      | South West |
| CHEMISTS-PHARMACEUTICAL.                | Furleys, 17 Cosmopolitan Centre, Knox St., Double Bay.                     | 14246   | Premise Match       | 131m                      | South West |
| HANDBAG &/OR GLOVE SPECIALISTS.         | D'Aliccia, Cosmopolitan Centre, 2 Knox St., Double Bay.                    | 44296   | Premise Match       | 131m                      | South West |



| Business Activity                       | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| BUTCHERS-RETAIL.                        | T. & R. Gourmette, Cosmopolitan Centre, Knox St., Double Bay.                     | 10686   | Premise Match       | 131m                      | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Antonella, Cosmopolitan Centre, Knox St., Double Bay.                             | 16797   | Premise Match       | 131m                      | South West |
| GIFT SHOPS.                             | Barbara's House & Garden, Cosmopolitan Centre, Knox St., Double Bay.              | 38830   | Premise Match       | 131m                      | South West |
| RESTAURANTS.                            | Comopolitan Restaurant, Cosmopolitan Centre, 2 Knox St., Double                   | 81398   | Premise Match       | 131m                      | South West |
| TOBACCONISTS - RETAIL.                  | Cosmo Smoke House, Cosmopolitan Centre, 2 Knox St., Double Bay.                   | 93727   | Premise Match       | 131m                      | South West |
| DELICATESSENS.                          | Cosmopolitan Deli., Cosmopolitan Centre, Knox St., Double Bay.                    | 21620   | Premise Match       | 131m                      | South West |
| FRUITERERS &/OR GREENGROCERS.           | Cosmopolitan Orchard, Cosmopolitan Centre, Knox St., Double Bay.                  | 35872   | Premise Match       | 131m                      | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Fitzimmon, J., Cosmopolitan Centre, 2 Knox St., Double Bay.                       | 17193   | Premise Match       | 131m                      | South West |
| POULTRY DEALERS - RETAIL.               | Game Birds, Cosmopolitan Centre, Knox St., Double Bay.                            | 75588   | Premise Match       | 131m                      | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | House of Demonzi Cosmopolitan Centre, Knox St., Double Bay.                       | 17312   | Premise Match       | 131m                      | South West |
| FOOTWEAR RETAILERS.                     | Joshua Shoes, Cosmopolitan Centre, Knox St., Double Bay.                          | 34839   | Premise Match       | 131m                      | South West |
| SPORTS GOODS RETAILERS.                 | Just Sport, Cosmopolitan Centre, Knox St., Double Bay.                            | 87506   | Premise Match       | 131m                      | South West |
| CAKE SHOPS &/OR PASTRYCOOKS.            | Le-Croissant, Cosmopolitan Centre, Knox St., Double Bay.                          | 11766   | Premise Match       | 131m                      | South West |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR. | Pappacoucl, Cosmopolitan Centre, 2 Knox St., Double Bay.                          | 17667   | Premise Match       | 131m                      | South West |
| RESTAURANTS.                            | Perons Health Cafe, Cosmopolitan Centre, Knox St., Double Bay.,                   | 82549   | Premise Match       | 131m                      | South West |
| CONFECTIONERS-RETAIL.                   | Personality Chocolates, Cosmopolitan Centre, Knox St., Double Bay.                | 20068   | Premise Match       | 131m                      | South West |
| RECORDS BARS.                           | Record Gallery, The, Cosmopolitan Centre, 2 Knox St., Double Bay..                | 80519   | Premise Match       | 131m                      | South West |
| CLOTHING-RETAIL-MENS &/OR BOYS WEAR.    | Richard, Clive, 2 Cosmopolitan Centre, 2 Knox St., Double Bay.                    | 18642   | Premise Match       | 131m                      | South West |
| TRAVEL AGENCIES &/OR BOOKING OFFICES.   | Robert Paxton (Travel) Pty. Ltd., 14 Cosmopolitan Centre, 6 Knox St., Double Bay. | 95567   | Premise Match       | 131m                      | South West |
| TRAVEL AGENCIES &/OR BOOKING OFFICES.   | Astronaut Travel Service, 45A Bay St., Double Bay.                                | 95187   | Premise Match       | 132m                      | West       |
| CLOTHING-RETAIL-LINGERIE.               | Elu Lingerie, 47 Bay St., Double Bay.   | 18215   | Premise Match       | 132m                      | West       |
| RESTAURANTS.                            | Tedoro's Lounge, 370 New South Head Rd., Double Bay.                              | 83004   | Premise Match       | 139m                      | South West |
| GROCERS-RETAIL.                         | Woolworths Ltd., 441 New South Head Rd., Double Bay.                              | 41261   | Premise Match       | 140m                      | South      |
| BUTCHERS-RETAIL.                        | Woolworths Ltd., 441 New South Head Rd., Double Bay.                              | 10849   | Premise Match       | 140m                      | South      |
| FRUITERERS &/OR GREENGROCERS.           | Tropicana High Class Fruits, 366 New South Head Rd., Double Bay.                  | 36439   | Premise Match       | 149m                      | South West |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1986 Business to Business Directory Records Road or Area Matches

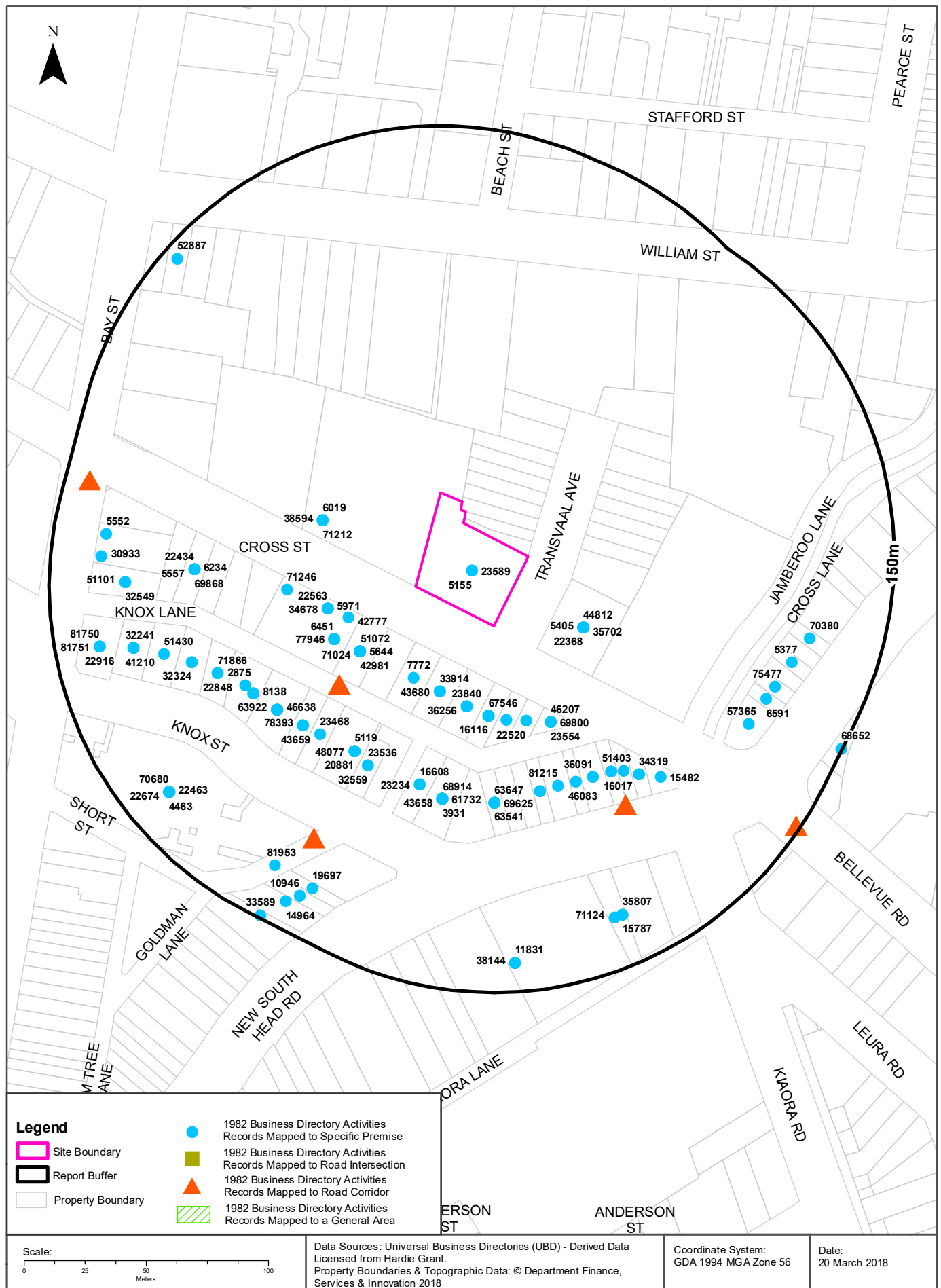
Records from the 1986 UBD Business to Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

| Business Activity                          | Premise   | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|--|---|---------|---------------------|-----------------------------------|
| MANAGEMENT CONSULTANTS.                    | Leeden, Doug Investments Pty. Ltd., 31 Cross St., Double Bay.             | 52296   | Road Match          | 0m                                |
| INVESTMENT COMPANIES.                      | Leeden, Doug Investments Pty. Ltd., 31 Cross St., Double Bay.             | 49267   | Road Match          | 0m                                |
| REAL ESTATE AGENTS                         | Theodore, James Real Estate, 31 Cross St., Double Bay.                    | 80259   | Road Match          | 0m                                |
| ANIMAL &/OR BIRD DEALERS.                  | Double Bay Pets, 7 Goldman La., Double Bay.                               | 2953    | Road Match          | 56m                               |
| DOG & CAT CLIPPING &/OR GROOMING PARLOURS. | Double Bay Pets, 7 Goldman La., Double Bay.                               | 24533   | Road Match          | 56m                               |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.         | Eclat, 4 Goldman La., Double Bay.   | 49687   | Road Match          | 56m                               |
| CLOTHING-RETAIL-LINGERIE.                  | Franka Lingerie, 4 Goldman La., Double Bay.                               | 18218   | Road Match          | 56m                               |
| FOOTWEAR RETAILERS.                        | Jose's, Goldman La., Double Bay.  | 34832   | Road Match          | 56m                               |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.    | Nelder-Jones, 5 Goldman La., Double Bay,                                  | 17617   | Road Match          | 56m                               |
| SCHOOLS - KINDERGARTEN, DAY NURSERY.       | Double Bay-Woollahra-Hugh Latimer Centre, New Smith Head Rd., Double Bay. | 84830   | Road Match          | 83m                               |
| HEALTH CENTRES &/OR CLINICS.               | Double Bay-Woollahra-Hugh Latimer Centre, New South Read Rd., Double Bay. | 45038   | Road Match          | 83m                               |
| MOTOR GARAGES & SERVICE STATIONS.          | Bayview Service Station, Bay St., Double Bay.                             | 64021   | Road Match          | 132m                              |
| DELICATESSENS.                             | Bellevue Delicatessen, 14 Bellevue Rd., Bellevue Hill.                    | 21551   | Road Match          | 146m                              |
| CLOTHING-RETAIL-LADIES &/OR GIRLS WEAR.    | Bellevue Frock Salon, 1A Bellevue Rd., Bellevue Hill                      | 16846   | Road Match          | 146m                              |
| TOY DEALERS - RETAIL.                      | Kids Korner, 4 Bellevue Rd., Bellevue Hill.                               | 94451   | Road Match          | 146m                              |
| RESTAURANTS.                               | Ming-Lal 18 Bellevue Rd., Bellevue Hill.                                  | 82326   | Road Match          | 146m                              |
| FLORISTS-RETAIL.                           | My Fair Lady, 6 Bellevue Rd., Bellevue Hill.                              | 33837   | Road Match          | 146m                              |
| CHEMISTS-PHARMACEUTICAL.                   | Perkins, J. & W., 16 Bellevue Rd., Bellevue Hill.                         | 14701   | Road Match          | 146m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1982 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



## Historical Business Directories

### 19-27 Cross Street, Double Bay, NSW 2028

### 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:

| Business Activity                               | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| BEAUTICIANS. (B1985)                            | Ziva's Boutique, 29 Cross St., Double Bay. 2028.                              | 5155    | Premise Match       | 0m                        | Onsite     |
| DRESS SHOPS & ACCESSORIES.(D7450)               | Viava, 23 Cross St., Double Bay. 2028.  | 23589   | Premise Match       | 0m                        | Onsite     |
| INSURANCE COMPANIES -GENERAL (I4400)            | Marine Hull & Liability Insurance Co.Pty.Ltd., 20 Cross St., DoubleBay. 2028. | 42777   | Premise Match       | 30m                       | South West |
| LAUNDRIES &/OR LAUNDRETTES.(L1850)              | Jeeves, Village Centre, 15 Cross St., Double Bay. 2028.                       | 44812   | Premise Match       | 33m                       | South East |
| DRY CLEANERS & PRESSERS.(D8500)                 | Jeeves, Village Centre, 15 Cross St., Double Bay. 2028.                       | 23878   | Premise Match       | 33m                       | South East |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000) | Chateau-De-Paris, Village Centre, 15 Cross St., Double Bay. 2028.             | 5405    | Premise Match       | 33m                       | South East |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000) | Pia of Finland, Village Centre, 15 Cross St, Double Bay. 2028.                | 6343    | Premise Match       | 33m                       | South East |
| GARDENERS SUPPLIES - RETAIL(G0750)              | Courtyard Garden, Village Centre, 15 Cross St., Double Bay. 2028.             | 35702   | Premise Match       | 33m                       | South East |
| BABY &/OR CHILDRENS WEAR -RETAIL. (B0080)       | Jana of Cross St., Village Centre, 15 Cross St., Double Bay. 2028.            | 4353    | Premise Match       | 33m                       | South East |
| DRESS FABRIC RETAILERS. (D7150)                 | Knitwit, Village Centre, 15 Cross St., Double Bay. 2028.                      | 22368   | Premise Match       | 33m                       | South East |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000) | Village Gossip, The, 12A Cross St., Double Bay. 2028.                         | 6738    | Premise Match       | 34m                       | South      |
| JEWELLERS &/OR WATCHMAKERS RETAIL. (J0550)      | Michal Watchmaker, 12 Cross St., Double Bay. 2028.                            | 43680   | Premise Match       | 34m                       | South      |
| FRUITERERS &/OR GREENGROCERS. (F6775)           | Sams Fruit Bowl, 12 Cross St., Double Bay. 2028.                              | 33914   | Premise Match       | 34m                       | South      |
| BOOKSELLERS - RETAIL. (B4475)                   | Book Utopia, 14 Cross St., Double Bay. 2028.                                  | 7772    | Premise Match       | 34m                       | South West |
| DRY CLEANERS & PRESSERS.(D8500)                 | Florida Perckan, 10 Cross St., Double Bay. 2028.                              | 23840   | Premise Match       | 35m                       | South      |
| GIFT SHOPS. (G3350)                             | G. Gs. Gift Gallery, 10 Cross St., Double Bay. 2028.                          | 36256   | Premise Match       | 35m                       | South      |
| TRAVEL AGENCIES &/OR BOOKING OFFICES. (T7425)   | Orbit Travel, 10 Cross St., Double Bay. 2028.                                 | 82046   | Premise Match       | 35m                       | South      |
| INTERIOR DECORATORS. (I5050)                    | Dess Anthony, 18 Cross St., Double Bay. 2028.                                 | 42981   | Premise Match       | 35m                       | South West |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000) | Foreign Affair, 18 Cross St., Double Bay. 2028.                               | 5644    | Premise Match       | 35m                       | South West |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000) | Votre Beauty, 18 Cross St., Double Bay. 2028.                                 | 6752    | Premise Match       | 35m                       | South West |

| Business Activity                                      | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|--|---------|---------------------|---------------------------|------------|
| MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)           | Aristoni & Duke, 18 Cross St., Double Bay. 2028.                     | 51072   | Premise Match       | 35m                       | South West |
| RESTAURANTS. (R5180)                                   | Hunters Lodge Restaurant 18 Cross St., Double Bay. 2028.             | 71024   | Premise Match       | 35m                       | South West |
| REAL ESTATE AGENTS. (R2555)                            | Raine & Horne Pty. Ltd., 8 Cross St, Double Bay. 2028.               | 69596   | Premise Match       | 37m                       | South      |
| PROPERTY MANAGEMENT. (P9060)                           | Raine & Horne Pty. Ltd., 8 Cross St, Double Bay. 2028.               | 67546   | Premise Match       | 37m                       | South      |
| AUCTIONEERS - REAL ESTATE.(A8430)                      | Raine & Horne Pty. Ltd., 8 Cross St, Double Bay. 2028.               | 4036    | Premise Match       | 37m                       | South      |
| VALUERS & APPRAISERS - GENERAL. (V0696)                | Raine & Horne Pty. Ltd., 8 Cross St. Double Bay. 2028.               | 83057   | Premise Match       | 37m                       | South      |
| CHIROPRACTORS. (C4365)                                 | Theunissen, V. J., 8 Cross St., Double Bay. 2028.                    | 16116   | Premise Match       | 37m                       | South      |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)        | Josephs, 22 Cross St Double Bay. 2028.                               | 5971    | Premise Match       | 37m                       | West       |
| DRESS SHOPS & ACCESSORIES.(D7450)                      | Bowman. Gwen, 22 Cross St., Double Bay. 2028.                        | 22563   | Premise Match       | 37m                       | West       |
| FLORISTS - RETAIL. (F4125)                             | Kims, 22 Cross St., Double Bay. 2028.                                | 31501   | Premise Match       | 37m                       | West       |
| FURNITURE &/OR FURNISHINGS-RETAIL. (F7625)             | ranco of Rome, 22 Cross St., Double Bay. 2028.                       | 34678   | Premise Match       | 37m                       | West       |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)        | Hair 2000, 6 Cross St., Double Bay. 2028.                            | 5799    | Premise Match       | 39m                       | South      |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)        | Salon Anne, 20 Cross St., Double Bay. 2028.                          | 6451    | Premise Match       | 40m                       | South West |
| TAILORS - LADIES &/OR GENTS.(T0075)                    | De Walsey, M., 20 Cross St., Double Bay. 2028.                       | 77946   | Premise Match       | 40m                       | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)                      | Double Bay Rags, 20 Cross St., Double Bay. 2028.                     | 22713   | Premise Match       | 40m                       | South West |
| MILLINERY - RETAIL. (M3520)                            | Maison-Du-Mode Pty. Ltd., 20 Cross St., Double Bay. 2028.            | 52577   | Premise Match       | 40m                       | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)                      | Bennett, Brenda, 4 Cross St., Double Bay. 2028,                      | 22520   | Premise Match       | 41m                       | South      |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)        | Kent Greten, 43 Cross St Double Bay. 2028.                           | 6019    | Premise Match       | 44m                       | West       |
| HAIRDRESSERS - GENTS. (H0550)                          | Kent Greten. 43 Cross St Double Bay. 2028.                           | 38594   | Premise Match       | 44m                       | West       |
| RESTAURANTS. (R5180)                                   | Le'Dome, 43 Cross St., Double Bay. 2028.                             | 71212   | Premise Match       | 44m                       | West       |
| MANUFACTURERS AGENTS, (M0800)                          | Fethers, G. & Co. Pty. Ltd., 2A Cross St., Double Bay. 2028.         | 46207   | Premise Match       | 46m                       | South East |
| DRESS SHOPS & ACCESSORIES.(D7450)                      | Topsys Boutique Pty. Ltd., 2 Cross St., Double Bay. 2028.            | 23554   | Premise Match       | 46m                       | South East |
| REAL ESTATE AGENTS. (R2555)                            | Transvaal Real Estate Pty. Ltd., 2 Cross St., Double Bay. 2028.      | 69800   | Premise Match       | 46m                       | South East |
| RESTAURANTS. (R5180)                                   | Liszt Coffee Lounge, 26 Cross St., Double Bay. 2028.                 | 71246   | Premise Match       | 53m                       | West       |
| GROCERS - RETAIL. (G7850)                              | Household Supply Pty. Ltd., 394 New South Head Rd., Double Bay.2028. | 37750   | Premise Match       | 70m                       | South      |
| WINE &/OR SPIRIT MERCHANTS -. RETAIL. (W5960)          | Household Supply Pty Ltd., 394 New South Head Rd Double Bay.2028     | 84799   | Premise Match       | 70m                       | South      |
| TOY DEALERS - RETAIL. (T6200)                          | Toyvilla, 398 New South Head Rd., Double Bay. 2020.                  | 81215   | Premise Match       | 71m                       | South      |
| CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS. (C5166) | Lucele Gowns Pty. Ltd., 3 Knox St., Double Bay. 2028.                | 16608   | Premise Match       | 72m                       | South      |

| Business Activity                               | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| TRAVEL AGENCIES &/OR BOOKING OFFICES. (T7425)   | American Express Travel Service, 388 New South Head Rd., Double Bay. 2028.          | 81732   | Premise Match       | 72m                       | South      |
| BUILDING SOCIETIES. (B7460)                     | N.S.W. Permanent Building Society Pty. Ltd., 386 New South Head Rd, Double Bay 2028 | 10067   | Premise Match       | 72m                       | South      |
| DRESS SHOPS & ACCESSORIES.(D7450)               | Novella, 3 Knox St., Double Bay. 2028.  | 23234   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS. (R2555)                     | Residential Unit Management Pty. Ltd., 388 New South Head Rd., Double Bay. 2028.    | 69625   | Premise Match       | 72m                       | South      |
| PHOTOGRAPHERS - GENERAL(P3540)                  | Weiner, J., 388 New South Head Rd., Double Bay. 2028.                               | 63647   | Premise Match       | 72m                       | South      |
| PHOTOGRAPHERS-COMMERCIAL. (P3480)               | Weiner, J., 388 New South Head Rd., Double Bay. 2028.                               | 63541   | Premise Match       | 72m                       | South      |
| MANCHESTER SPECIALISTS &/OR RETAILERS. (M0640)  | Mansours, 400 New South Head Rd., Double Bay. 2028.                                 | 46083   | Premise Match       | 72m                       | South East |
| BEAUTICIANS. (B1985)                            | Aladdins, 9 Knox St., Double Bay. 2028.   | 5119    | Premise Match       | 72m                       | South West |
| DENTISTS. (D1800)                               | Spiegel, D. H 9 Knox St., Double Bay. 2028.   | 20881   | Premise Match       | 72m                       | South West |
| MEDICAL PRACTITIONERS. (M2020)                  | Feller, K. H, 9 Knox St Double Bay. 2028.   | 48077   | Premise Match       | 72m                       | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)               | Mark Foys Boutique, 9 Knox St., Double Bay. 2026.                                   | 23142   | Premise Match       | 72m                       | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)               | Sportsgirl, 13 Knox St., Double Bay. 2028.  | 23468   | Premise Match       | 72m                       | South West |
| TAKE-AWAY FOODS. (T0235)                        | Gourmet Snacks. 15 Knox St. Double Bay. 2028.                                       | 78393   | Premise Match       | 73m                       | South West |
| JEWELLERS &/OR WATCHMAKERS RETAIL. (J0550)      | Lynne Shore Pty. Ltd., 15 Knox St., Double Bay. 2028.                               | 43659   | Premise Match       | 73m                       | South West |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000) | Ava Coiffure, 1 Knox St. Double Bay. 2028.  | 5232    | Premise Match       | 74m                       | South      |
| REAL ESTATE AGENTS. (R2555)                     | Farquharsons, 1 Knox St, Double Bay.2028.   | 68914   | Premise Match       | 74m                       | South      |
| AUCTIONEERS - REAL ESTATE.(A8430)               | Farquharsons, 1 Knox St., Double Bay.2028.  | 3931    | Premise Match       | 74m                       | South      |
| STATIONERS - RETAIL. (S5535)                    | Herford, E. R., 1 Knox St., Double Bay. 2028.                                       | 76461   | Premise Match       | 74m                       | South      |
| BOOKSELLERS - RETAIL. (B4475)                   | Herford, E. R., 1 Knox St., Double Bay. 2028.                                       | 7880    | Premise Match       | 74m                       | South      |
| NEWSAGENTS. (N0800)                             | Herford, E. R., 1 Knox St., Double Bay. 2028.                                       | 60566   | Premise Match       | 74m                       | South      |
| JEWELLERS &/OR WATCHMAKERS RETAIL. (J0550)      | Lynch, J., 1 Knox St., Double Bay. 2028.  | 43658   | Premise Match       | 74m                       | South      |
| OPTICAL DISPENSERS (O3190)                      | Optique, 1A Knox St., Double Bay. 2028.   | 61732   | Premise Match       | 74m                       | South      |
| GIFT SHOPS. (G3350)                             | Baskets With Love, 404 New South Head Rd., Double Bay. 2028.                        | 36091   | Premise Match       | 74m                       | South East |
| GIFT SHOPS. (G3350)                             | Way to Go, The, 404 New South Head Rd., Double Bay. 2028.                           | 36626   | Premise Match       | 74m                       | South East |
| FOOTWEAR RETAILERS (F5575)                      | Raymond Castles, 7 Knox St., Double Bay. 2028.                                      | 32559   | Premise Match       | 74m                       | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)               | Tarvydas, 7 Knox St., Double Bay. 2028.   | 23536   | Premise Match       | 74m                       | South West |
| CHEMISTS - PHARMACEUTICAL. (C4110)              | Hallam Pty. Ltd., 406 New South Head Rd., Double Bay. 2028.                         | 15105   | Premise Match       | 76m                       | South East |
| CHIROPODISTS. (C4335)                           | Hailam Pty. Ltd., 406 New South Head Rd., Double Bay. 2028.                         | 16017   | Premise Match       | 76m                       | South East |
| DENTISTS. (D1800)                               | Smythe, J. D., 17 Knox St., Double Bay. 2028.                                       | 20867   | Premise Match       | 76m                       | South West |
| MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)    | Briacci & Brooks, 17 Knox St., Double Bay. 2028.                                    | 51109   | Premise Match       | 76m                       | South West |

| Business Activity   | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| MASSEURS - MASSEUSES. (M1380)                               | Double Bay Massage Centre, 17 Knox St Double Bay. 2028.            | 46634   | Premise Match       | 76m                       | South West |
| PHYSICAL EDUCATION. (P4040)                                 | Double Bay Massage Centre, 17 Knox St., Double Bay. 2028.          | 63922   | Premise Match       | 76m                       | South West |
| MASSEURS - MASSEUSES. (M1380)                               | N.S.W. School of Massage, 17 Knox St., Double Bay. 2028.           | 46638   | Premise Match       | 76m                       | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)                           | Zucci, 17 Knox St., Double Bay. 2028.                              | 23661   | Premise Match       | 76m                       | South West |
| MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)                | Richards, F. V. & Co., 410 New South Head Rd., Double Bay. 2028.   | 51403   | Premise Match       | 80m                       | South East |
| BOOT&/OR SHOE REPAIRERS.(B4760)                             | Bylos Bros., 21 Knox St., Double Bay. 2028.                        | 8138    | Premise Match       | 80m                       | South West |
| ACCOUNTANTS & AUDITORS.(A0360)                              | Montague, C. Orr & Co., 21 Knox St., Double Bay. 2028.             | 704     | Premise Match       | 80m                       | South West |
| CAFES, TEA ROOMS &/OR COFFEELOUNGES. (C0345)                | Twenty One Espresso, 21 Knox St., Double Bay. 2028.                | 12411   | Premise Match       | 80m                       | South West |
| ANTIQUE DEALERS. (A6240)                                    | Buxton, A., 23 Knox St., Double Bay. 2028.                         | 2875    | Premise Match       | 81m                       | South West |
| MANCHESTER SPECIALISTS &/OR RETAILERS. (M0640)              | Powder Blue, 412 New South Head Rd., Double Bay. 2028.             | 46098   | Premise Match       | 85m                       | South East |
| FURNISHINGS - SOFT - RETAIL(F7250)                          | Powder Blue, 412 New South Head Rd., Double Bay. 2028.             | 34319   | Premise Match       | 85m                       | South East |
| DRESS SHOPS & ACCESSORIES.(D7450)                           | Gianni's, 27 Knox St., Double Bay. 2028.                           | 22848   | Premise Match       | 88m                       | South West |
| RESTAURANTS. (R5180)  | Vardis Restaurant, 29 Knox St., Double Bay. 2028.                  | 71866   | Premise Match       | 88m                       | South West |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)             | Dunn, Nicholas, 28 Cross St., Double Bay 2028.                     | 5557    | Premise Match       | 91m                       | West       |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)             | Mr. Leon, 28 Cross St., Double Bay. 2028.                          | 6234    | Premise Match       | 91m                       | West       |
| DRESS SHOPS & ACCESSORIES.(D7450)                           | Adrienne, 28 Cross St., Double Bay. 2028.                          | 22434   | Premise Match       | 91m                       | West       |
| REAL ESTATE AGENTS. (R2555)                                 | White, D. H 28 Cross St Double Bay. 2028.                          | 69868   | Premise Match       | 91m                       | West       |
| AUCTIONEERS - REAL ESTATE.(A8430)                           | White, D. H., 28 Cross St., Double Bay. 2028.                      | 4090    | Premise Match       | 91m                       | West       |
| CHEMISTS - PHARMACEUTICAL. (C4110)                          | Ottoways Pharmacy. 416 New South Head Rd., Double Bay. 2028.       | 15482   | Premise Match       | 92m                       | South East |
| HOTELS - PRIVATE. (H7200)                                   | Knox Plaza Lodge, 35 Knox St., Double Bay. 2028.                   | 41182   | Premise Match       | 97m                       | West       |
| FOOTWEAR RETAILERS (F5575)                                  | Edward Metier, 37 Knox St., Double Bay. 2028.                      | 32324   | Premise Match       | 97m                       | West       |
| MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)                | Sebastians Mens Fashion, 39 Knox St., Double Bay. 2028.            | 51430   | Premise Match       | 107m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | Pavilion Service Station, 424 New South Head Rd., Double Bay.2028. | 57365   | Premise Match       | 111m                      | South East |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)             | Stylish Beauty Salon, 426 New South Head Rd., Double Bay. 2028.    | 6591    | Premise Match       | 113m                      | South East |
| SPORTS GOODS RETAILERS. (S4875)                             | Horsley, Nick, 430 New South Head Rd., Double Bay. 2028.           | 75477   | Premise Match       | 114m                      | East       |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)             | Carol, 436 New South Head Rd., Double Bay. 2028.                   | 5377    | Premise Match       | 116m                      | East       |
| HOTELS - PRIVATE. (H7200)                                   | Savoy Lodge, 41 Knox St., Double Bay. 2028.                        | 41210   | Premise Match       | 118m                      | West       |
| FOOTWEAR RETAILERS (F5575)                                  | Adler, S., 43 Knox St., Double Bay. 2028.                          | 32241   | Premise Match       | 118m                      | West       |

| Business Activity                               | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)    | Lane, J., 41 Knox St., Double Bay. 2028.                                   | 51275   | Premise Match       | 118m                      | West       |
| MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)    | Bernard, Charles, 49 Bay St., Double Bay. 2028.                            | 51101   | Premise Match       | 119m                      | West       |
| FOOTWEAR RETAILERS (F5575)                      | Phillip Graves, 49 Bay St., Double Bay. 2028.                              | 32549   | Premise Match       | 119m                      | West       |
| RESTAURANTS. (R5180)                            | Al-Corso, 440 New South Head Rd., Double Bay. 2028.                        | 70380   | Premise Match       | 120m                      | East       |
| TRAVEL AGENCIES &/OR BOOKING OFFICES. (T7425)   | Jetset Tours, 5 Goldman La., Double Bay. 2028.                             | 81953   | Premise Match       | 128m                      | South West |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000) | Double Bay Hair Co., 53 Bay St., Double Bay. 2028.                         | 5552    | Premise Match       | 128m                      | West       |
| CHEMISTS - PHARMACEUTICAL. (C4110)              | Village Pharmacy, 457 New South Head Rd., Double Bay: 2026.                | 15787   | Premise Match       | 129m                      | South East |
| RESTAURANTS. (R5180)                            | Korean Food Lodge, 455 New South Head Rd., Double Bay. 2028.               | 71124   | Premise Match       | 129m                      | South East |
| GARDENERS SUPPLIES - RETAIL.(G0750)             | Woolworths Ltd., 457 New South Head Rd., Double Bay. 208.                  | 35807   | Premise Match       | 129m                      | South East |
| FISH MERCHANTS - RETAIL (F2825)                 | Double Bay Seafoods, 51 Bay St., Double Bay. 2028.                         | 30933   | Premise Match       | 129m                      | West       |
| DELICATESSENS, (D1250)                          | Schwarz, O. & E., 374 New South Head Rd., Double Bay. 2028.                | 19697   | Premise Match       | 130m                      | South West |
| CHEMISTS - PHARMACEUTICAL. (C4110)              | Furleys, 12 Knox St., Double Bay. 2028.                                    | 15047   | Premise Match       | 131m                      | South West |
| GROCERS - RETAIL. (G7850)                       | Coles, 14 Knox St., Double Bay. 2028.                                      | 37455   | Premise Match       | 131m                      | South West |
| BUTCHERS - RETAIL. (B8040)                      | La-Boucherie. Cosmopolitan Centre, 2 Knox St Double Bay. 2028.             | 11103   | Premise Match       | 131m                      | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)               | Antonella, Cosmopolitan Centre, 2 Knox St., Double Bay. 2028.              | 22463   | Premise Match       | 131m                      | South West |
| TOBACCONISTS - RETAIL. (T5150)                  | Cosmo Smoke House, Cosmopolitan Centre, 2 Knox St., Double Bay.2028.       | 80501   | Premise Match       | 131m                      | South West |
| RESTAURANTS. (R5180)                            | Cosmopolitan Restaurant, Cosmpolitan Centre, 2 Knox St., Double Bay. 2028. | 70680   | Premise Match       | 131m                      | South West |
| DRESS SHOPS & ACCESSORIES.(D7450)               | Dama of Double Bay, Cosmopolitan Centre, 2 Knox St., Double Bay.2028.      | 22674   | Premise Match       | 131m                      | South West |
| TRAVEL AGENCIES &/OR BOOKING OFFICES. (T7425)   | Paxton Travel 6 Knox St., Double Bay. 2028.                                | 82073   | Premise Match       | 131m                      | South West |
| RECORD BARS. (R2835)                            | Record Gallery, The, Cosmopolitan Centre, 2 Knox St., Double Bay.2028.     | 70006   | Premise Match       | 131m                      | South West |
| MERCERS - MENS &/OR BOYS OUTFITTERS. (M2120)    | Richard, Clive, 12 Knox St., Double Bay. 2028.                             | 51400   | Premise Match       | 131m                      | South West |
| BABY &/OR CHILDRENS WEAR -RETAIL. (B0080)       | Valli, Cosmopolitan Centre, 2 Knox St., Double Bay. 2028.                  | 4463    | Premise Match       | 131m                      | South West |
| TRAVEL AGENCIES &/OR BOOKING OFFICES. (T7425)   | Astronaut Travel Service, 45A Bay St., Double Bay. 2028.                   | 81750   | Premise Match       | 132m                      | West       |
| TRAVEL AGENCIES &/OR BOOKING OFFICES. (T7425)   | Astronaut Travel, 47 Bay St., Double Bay. 2028.                            | 81751   | Premise Match       | 132m                      | West       |
| DRESS SHOPS & ACCESSORIES.(D7450)               | House of Demonzi, 47 Bay St., Double Bay. 2028.                            | 22916   | Premise Match       | 132m                      | West       |
| BUTCHERS - RETAIL. (B8040)                      | Handler Butchery, 372 New South Head Rd., Double Bay. 2028.                | 10946   | Premise Match       | 134m                      | South West |
| BUTCHERS - RETAIL. (B8040)                      | Woolworths Ltd., 435 New South Head Rd., Double Bay. 2028.                 | 11831   | Premise Match       | 138m                      | South      |
| GROCERS - RETAIL. (G7850)                       | Woolworths Ltd., 435 New South Head Rd., Double Bay. 2028.                 | 38144   | Premise Match       | 138m                      | South      |
| CHEMISTS - PHARMACEUTICAL. (C4110)              | De Navi, P. J. (Double Bay), 370 New South Head Rd., Double Bay.2028.      | 14964   | Premise Match       | 139m                      | South West |



| Business Activity                   | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|-------------------------------------|--|---------|---------------------|---------------------------|------------|
| MIXED BUSINESSES. (M4060)           | Anthony's Park Store, 11 William St., Double Bay. 2028.                            | 52887   | Premise Match       | 144m                      | North West |
| FRUITERS &/OR GREENGROCERS. (F6775) | Giuliano, A., 366 New South Head Rd., Double Bay. 2028.                            | 33589   | Premise Match       | 149m                      | South West |
| REAL ESTATE AGENTS. (R2555)         | Bernhardt, M. C. Real Estate Pty. Ltd., 481A New South Head Rd., Double Bay. 2028. | 68652   | Premise Match       | 150m                      | South East |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1982 Business Directory Records Road or Area Matches

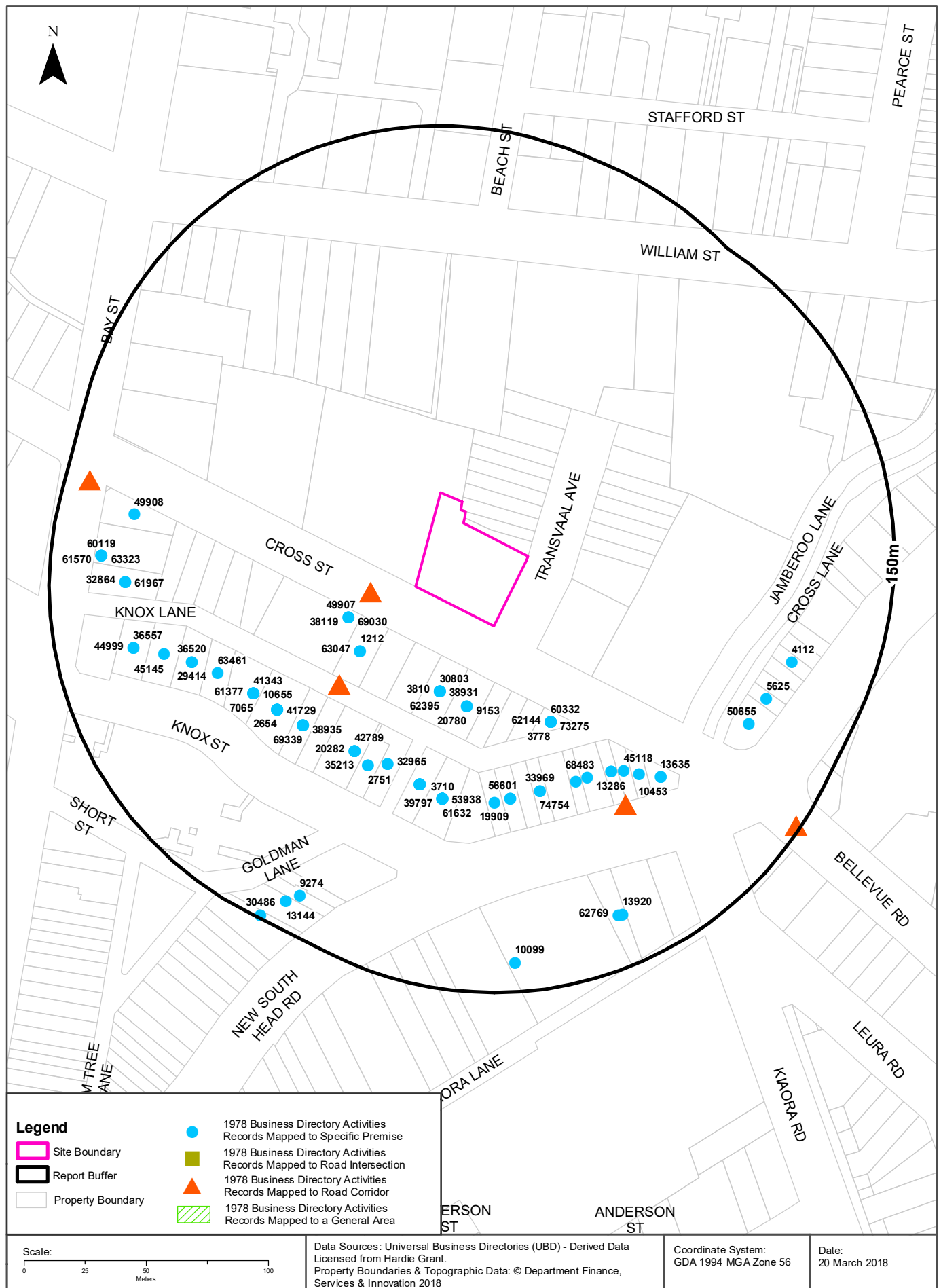
Records from the 1982 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

| Business Activity   | Premise  | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|---|--|---------|---------------------|-----------------------------------|
| IMPORTERS. (I0750)  | Sperry, L. Enterprises, 1A Knox La., Double Bay. 2028.                         | 41806   | Road Match          | 47m                               |
| EXPORTERS. (E9270)  | Sperry, L. Enterprises, 1A Knox La., Double Bay. 2028.                         | 29857   | Road Match          | 47m                               |
| ANIMAL &/OR BIRD DEALERS. (A5850)                           | Double Bay Pets, 7 Goldman La., Double Bay. 2028.                              | 2634    | Road Match          | 56m                               |
| JEWELLERS &/OR WATCHMAKERS RETAIL. (J0550)                  | Eclat, 4 Goldman La., Double Bay. 2028.  | 43527   | Road Match          | 56m                               |
| LINGERIE &/OR HOSIERY SPECIALISTS. (L5000)                  | Franka, & Goldman La., Double Bay. 2028.                                       | 45422   | Road Match          | 56m                               |
| FOOTWEAR RETAILERS (F5575)                                  | Jose's, Goldman La., Double Bay. 2028.   | 32471   | Road Match          | 56m                               |
| SCHOOLS - KINDERGARTEN, DAY NURSERY. (S1470)                | Double Bay-Woolahra-Hugh Latimer Centre, New South Head Rd., Double Bay. 2028. | 73422   | Road Match          | 83m                               |
| HEALTH CENTRES &/OR CLINICS. (H2800)                        | Double Bay-Woolahra-Hugh Latimer Centre, New South Head Rd., Double Bay. 2028. | 39502   | Road Match          | 83m                               |
| RAZOR & RAZOR BLADE MFRS. &/OR DIST. (R2460)                | Gillette Management, 203 New South Head Rd., Double Bay. 2028.                 | 68535   | Road Match          | 83m                               |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | Bayview Service Station, Bay St., Double Bay. 2028.                            | 56099   | Road Match          | 132m                              |
| DELICATESSENS. (D1250)                                      | Bellevue Delicatessen, 14 Bellevue Rd., Bellevue Hill. 2023.                   | 19271   | Road Match          | 146m                              |
| RADIO &/OR TELEVISION SALES &/OR SERVICEMEN. (R1260)        | Bellevue Electrics, 2S Bellevue Rd., Bellevue Hill. 2023.                      | 68258   | Road Match          | 146m                              |
| DRESS SHOPS & ACCESSORIES. (D7450)                          | Bellevue Frock Salon, 1A Bellevue Rd., Bellevue Hill. 2023.                    | 22519   | Road Match          | 146m                              |
| RESTAURANTS. (R5180)  | Ming-Lai. 1B Bellevue Rd., Bellevue Hill. 2023.                                | 71367   | Road Match          | 146m                              |
| CHEMISTS - PHARMACEUTICAL. (C4110)                          | Perkins, J. & W., 16 Bellevue Rd Bellevue Hill. 2023.                          | 15510   | Road Match          | 146m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1978 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## 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:

| Business Activity                                   | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. | Double Bay Auto Port. 20 Cross St., Double Bay                             | 49907   | Premise Match       | 30m                       | South West |
| TAILORS-LADIES &/OR GENTS.                          | De Walsey, M., 20 Cross St., Double Bay                                    | 69030   | Premise Match       | 30m                       | South West |
| INSURANCE COMPANIES-GENERAL.                        | Marine Hull & Liability Insurance Co. Pty. Ltd., 20 Cross St., Double Bay. | 38119   | Premise Match       | 30m                       | South West |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS.             | Salon Anne. 12a Cross St., Double Bay.                                     | 5544    | Premise Match       | 34m                       | South      |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.                  | Michal Watchmaker, 12 Cross St., Double Bay.                               | 38931   | Premise Match       | 34m                       | South      |
| FRUITERERS &/OR GREENGROCERS.                       | Sams Fruit Bowl, 12 Cross St., Double Bay.                                 | 30803   | Premise Match       | 34m                       | South      |
| AUCTIONEERS-REAL ESTATE.                            | White, O. H.. 12 Cross St., Double Bay.                                    | 3810    | Premise Match       | 34m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.                    | White. D. H., 12 Cross St. Double Bay.                                     | 62395   | Premise Match       | 34m                       | South      |
| DRY CLEANERS, PRESSERS &/OR DYERS                   | Florida Perdean, 10 Cross St., Double Bay.                                 | 20780   | Premise Match       | 35m                       | South      |
| BUTCHERS-RETAIL.                                    | Fenton Mather Quality Butchers, 10 Cross St., Double Bay.                  | 9153    | Premise Match       | 35m                       | South      |
| ADVERTISING AGENCIES.                               | Centre Plus Shopping Centre Promotions, 18 Cross St., Double Bay.          | 1212    | Premise Match       | 35m                       | South West |
| RESTAURANTS.  | Hunters Lodge Restaurant, 18 Cross St., Double Bay.                        | 63047   | Premise Match       | 35m                       | South West |
| AUCTIONEERS-REAL ESTATE.                            | Bray of Double Bay Pty. Ltd., 2b Cross St., Double Bay.                    | 3678    | Premise Match       | 46m                       | South East |
| AUCTIONEERS-REAL ESTATE.                            | Raine & Horne Pty. Ltd., 2 Cross St., Double Bay,                          | 3778    | Premise Match       | 46m                       | South East |
| PROPERTY MANAGEMENT.                                | Raine & Horne Pty. Ltd., 2 Cross St., Double Bay.                          | 60332   | Premise Match       | 46m                       | South East |
| VALUERS & APPRAISERS - GENERAL.                     | Raine & Horne Pty. Ltd., 2 Cross St., Double Bay.                          | 73275   | Premise Match       | 46m                       | South East |
| REAL ESTATE AGENTS &/OR VALUERS.                    | Raine & Horne Pty. Ltd., 2,Cross St., Double Bay.                          | 62144   | Premise Match       | 46m                       | South East |
| DRESS SHOPS & ACCESSORIES.                          | Topsys Boutique Pty. Ltd., 2 Cross St., Double Bay.                        | 20509   | Premise Match       | 46m                       | South East |
| GROCERS-RETAIL:                                     | Household Supply Pty. Ltd., 394 New South Head Rd., Double Bay.            | 33969   | Premise Match       | 70m                       | South      |
| DRESS SHOPS & ACCESSORIES.                          | E'Moda, 5 Knox St., Double Bay.  | 20082   | Premise Match       | 70m                       | South      |
| WINE &/OR SPIRIT MERCHANTS- RETAIL.                 | Household Supply Pty. Ltd., 394 New South Head Rd., Double Bay.            | 74754   | Premise Match       | 70m                       | South      |
| GIFT SHOPS.   | Studio Laurana. 5 Knox St., Double Bay.                                    | 32965   | Premise Match       | 70m                       | South      |
| PHOTOGRAPHERS-GENERAL.                              | Weiner, J., 390 New South Head Rd., Double Bay                             | 56665   | Premise Match       | 71m                       | South      |
| PHOTOGRAPHERS-COMMERCIAL.                           | Weiner, J..390 New South Head Rd., Double Bay.                             | 56601   | Premise Match       | 71m                       | South      |
| CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.      | Lucete Gowns Pty. Ltd., 3 Knox St., Double Bay.                            | 14798   | Premise Match       | 72m                       | South      |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS.             | Norma Salon, 3 Knox St., Double Bay.                                       | 5410    | Premise Match       | 72m                       | South      |

| Business Activity                       | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| DRESS SHOPS & ACCESSORIES.              | Barrie Jeanne Pty. Ltd., 386 New South Head Rd., Double Bay.    | 19909   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.        | Dudley, J., 3A Knox St., Double Bay.                            | 61593   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.        | Facer Watts Double Bay Pty. Ltd., 3a Knox St., Double Bay.      | 61625   | Premise Match       | 72m                       | South      |
| DRESS SHOPS & ACCESSORIES.              | Harding, A., 3 Knox St., Double Bay.                            | 20139   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.        | Malouff, C. Real Estate. 3 Knox St., Double Bay.                | 61961   | Premise Match       | 72m                       | South      |
| MIXED BUSINESSES.                       | Household Supply Pty. Ltd., 400 New South Head Rd., Double Bay. | 46803   | Premise Match       | 72m                       | South East |
| HEALTH CENTRES &/OR CLINICS.            | Ema Massage Salon, 9 Knox St., Double Bay.                      | 35213   | Premise Match       | 72m                       | South West |
| MASSEURS-MASSEUSES.                     | Erna Massage Salon 9 Knox St. Double Bay.                       | 41731   | Premise Match       | 72m                       | South West |
| MEDICAL PRACTITIONERS.                  | Feller. K. H.. 9 Knox St., Double Bay.                          | 42789   | Premise Match       | 72m                       | South West |
| DRESS SHOPS & ACCESSORIES.              | Mark Foys Boutique, 9 Knox St., Double Bay.                     | 20282   | Premise Match       | 72m                       | South West |
| STEREOTYPERS-METAL, PLASTIC, RUBBER.    | Gordon Galleries, 402 New South Head Rd., Double Bay.           | 68483   | Premise Match       | 73m                       | South East |
| FLORISTS-RETAIL.                        | Avis Swanson Florist. 15 Knox St., Double Bay.                  | 28435   | Premise Match       | 73m                       | South West |
| TAKE-AWAY FOODS.                        | Gourmet Snacks, 15 Knox St., Double Bay.                        | 69339   | Premise Match       | 73m                       | South West |
| FOOTWEAR RETAILERS.                     | La Piccola Scala. 15 Knox St., Double Bay.                      | 29396   | Premise Match       | 73m                       | South West |
| JEWELLERS &/OR WATCHMAKERS-RETAIL.      | Mischa Danski, 15 Knox St., Double Bay.                         | 38935   | Premise Match       | 73m                       | South West |
| LAUNDRIES &/OR LAUNDRETTES.             | Lanhams Laundries. 1 Knox St.. Double Bay.                      | 39797   | Premise Match       | 74m                       | South      |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. | Ava Coiffure, 1 Knox St. Double Bay.                            | 4721    | Premise Match       | 74m                       | South      |
| SCHOOLS, COLLEGES-TECHNICAL.            | Double Bay Fashion School, 1 Knox St., Double Bay.              | 64908   | Premise Match       | 74m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.        | Farquhar sons. 1 Knox St.. Double Bay.                          | 61632   | Premise Match       | 74m                       | South      |
| AUCTIONEERS-REAL ESTATE.                | Farquharsons. 1 Knox St., Double Bay.                           | 3710    | Premise Match       | 74m                       | South      |
| FOOTWEAR RETAILERS.                     | Francine Shoes, 1a Knox St., Double Bay.                        | 29338   | Premise Match       | 74m                       | South      |
| STATIONERS-RETAIL.                      | Herford, E. R., 1 Knox St., Double Bay.                         | 67713   | Premise Match       | 74m                       | South      |
| BOOKSELLERS RETAIL.                     | Herford, E. R.. 1 Knox St., Double Bay.                         | 6855    | Premise Match       | 74m                       | South      |
| NEWSAGENTS-GENERAL.                     | Herford. E. R.. 1 Knox St., Double Bay.                         | 53938   | Premise Match       | 74m                       | South      |
| FURNITURE-HOUSEHOLD RETAIL              | Walford, L. Pty. Ltd., 7 Knox St., Double Bay.                  | 31836   | Premise Match       | 74m                       | South West |
| ANTIQUE DEALERS.                        | Walford, L. Pty. Ltd., 7 Knox St., Double Bay.                  | 2751    | Premise Match       | 74m                       | South West |
| CHEMISTS-PHARMACEUTICAL.                | Hallam Pty. Ltd., 406 New South Head Rd., Double Bay.           | 13286   | Premise Match       | 76m                       | South East |
| CHIROPODISTS.                           | Hallam Pty. Ltd., 406 New South Head Rd., Double Bay.           | 14176   | Premise Match       | 76m                       | South East |
| DENTISTS.                               | Smythe, J. O., 17 Knox St., Double Bay.                         | 18505   | Premise Match       | 76m                       | South West |
| MERCERS-MENS &/OR BOYS OUTFITTERS.      | Briacci & Brooks, 17 Knox St., Double Bay.                      | 44853   | Premise Match       | 76m                       | South West |
| ANTIQUE DEALERS.                        | Buxton, A.. 17 Knox St., Double Bay.                            | 2654    | Premise Match       | 76m                       | South West |
| MASSEURS-MASSEUSES.                     | Double Bay Massage Center, 17 Knox St. Double Bay               | 41729   | Premise Match       | 76m                       | South West |
| PHYSICAL EDUCATION.                     | Double Bay Massage Centre, 17 Knox St., Double Bay.             | 56861   | Premise Match       | 76m                       | South West |
| MASSEURS-MASSEUSES.                     | N.S.W. School of Massage, 17 Knox St. Double Bay                | 41734   | Premise Match       | 76m                       | South West |
| MERCERS-MENS &/OR BOYS OUTFITTERS.      | Richards, F. V. & Co., 410 New South Head Rd., Double Bay.      | 45118   | Premise Match       | 80m                       | South East |
| BOOT &/OR SHOE REPAIRERS.               | Bylos Bros., 21 Knox St., Double Bay.                           | 7065    | Premise Match       | 80m                       | South West |

| Business Activity                                   | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| REAL ESTATE AGENTS &/OR VALUERS.                    | Baramore Real Estate, 21 Knox St., Double Bay.                   | 61377   | Premise Match       | 80m                       | South West |
| LIBRARIES-LENDING.                                  | Double Bay Library & Book Shop, 21 Knox St., Double Bay.         | 40180   | Premise Match       | 80m                       | South West |
| MANUFACTURERS AGENTS.                               | Lees. H. J. (Sales) Pty. Ltd., 21 Knox St., Double Bay,          | 41343   | Premise Match       | 80m                       | South West |
| DRESSMAKERS &/OR COSTUMIERS.                        | Relli Couture, 21 Knox St., Double Bay.                          | 20621   | Premise Match       | 80m                       | South West |
| CAFES, TEA ROOMS &/OR COFFEE LOUNGES.               | Twenty One Espresso, 21 Knox St., Double Bay.                    | 10655   | Premise Match       | 80m                       | South West |
| DRESS FABRIC RETAILERS.                             | Glad Rags, 412 New South Head Rd., Double Bay.                   | 19801   | Premise Match       | 85m                       | South East |
| RESTAURANTS.  | Vardis Restaurant, 29 Knox St., Double Bay.                      | 63461   | Premise Match       | 88m                       | South West |
| CHEMISTS-PHARMACEUTICAL.                            | Ottoways Pharmacy. 416 New South Head Rd., Double Bay.           | 13635   | Premise Match       | 92m                       | South East |
| CAFES, TEA ROOMS &/OR COFFEE LOUNGES.               | Double Bay Buffet Bar, 414 New South Head Rd., Double Bay.       | 10453   | Premise Match       | 92m                       | South East |
| HOTELS-PRIVATE.                                     | Knox Plaza Lodge, 35 Knox St., Double Bay.                       | 36520   | Premise Match       | 97m                       | West       |
| FOOTWEAR RETAILERS.                                 | Mays Shoe Store, 37 Knox St., Double Bay.                        | 29414   | Premise Match       | 97m                       | West       |
| MERCERS-MENS &/OR BOYS OUTFITTERS.                  | Sebastians Mens Fashion, 39 Knox St., Double Bay.                | 45145   | Premise Match       | 107m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. | Pavilion Service Station, 424 New South Head Rd., Double Bay.    | 50655   | Premise Match       | 111m                      | South East |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS.             | Stylish Beauty Salon, 426 New South Head Rd., Double Bay.        | 5625    | Premise Match       | 113m                      | South East |
| BABY &/OR CHILDRENS WEAR- RETAIL.                   | Tilli Boutique for Children, 436 New South Head Rd., Double Bay. | 4112    | Premise Match       | 116m                      | East       |
| HOTELS-PRIVATE.                                     | Savoy Lodge, 41 Knox St., Double Bay.                            | 36557   | Premise Match       | 118m                      | West       |
| MERCERS-MENS &/OR BOYS OUTFITTERS.                  | Lane, J.. 41 Knox St., Double Bay.                               | 44999   | Premise Match       | 118m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. | Double Bay Garage, 55 Bay St., Double Bay.                       | 49908   | Premise Match       | 119m                      | West       |
| GIFT SHOPS.   | House of Copper, The, 49 Bay St., Double Bay.                    | 32864   | Premise Match       | 119m                      | West       |
| REAL ESTATE AGENTS &/OR VALUERS.                    | Mansell & Associates Pty. Ltd., 49 Bay St., Double Bay.          | 61967   | Premise Match       | 119m                      | West       |
| CHEMISTS-PHARMACEUTICAL.                            | Village Pharmacy. 457 New South Head Rd., Double Bay.            | 13920   | Premise Match       | 129m                      | South East |
| RESTAURANTS.  | African Queen (Double Bay). 455 New South Head Rd., Double Bay.  | 62769   | Premise Match       | 129m                      | South East |
| REAL ESTATE AGENTS &/OR VALUERS.                    | Dellit, H. E., 51 Bay St., Double Bay.                           | 61570   | Premise Match       | 129m                      | West       |
| PROPERTY MANAGEMENT.                                | Dellit. H.E., 51 Bay St., Double Bay,                            | 60119   | Premise Match       | 129m                      | West       |
| RESTAURANTS.  | Pukka Sahib, 51 Bay St., Double Bay.                             | 63323   | Premise Match       | 129m                      | West       |
| BUTCHERS-RETAIL.                                    | Handler Butchery. 372 New South Head Rd., Double Bay.            | 9274    | Premise Match       | 134m                      | South West |
| BUTCHERS-RETAIL.                                    | Woolworths Food Fair Stores, 435 New South Head Rd., Double Bay. | 10099   | Premise Match       | 138m                      | South      |
| CHEMISTS-PHARMACEUTICAL.                            | De Navi. P. J. (Double Bay). 370 New South Head Rd., Double Bay. | 13144   | Premise Match       | 139m                      | South West |
| FRUITERERS &/OR GREENGROCERS.                       | Giuliano, A., 366 New South Head Rd., Double Bay.                | 30486   | Premise Match       | 149m                      | South West |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1978 Business Directory Records Road or Area Matches

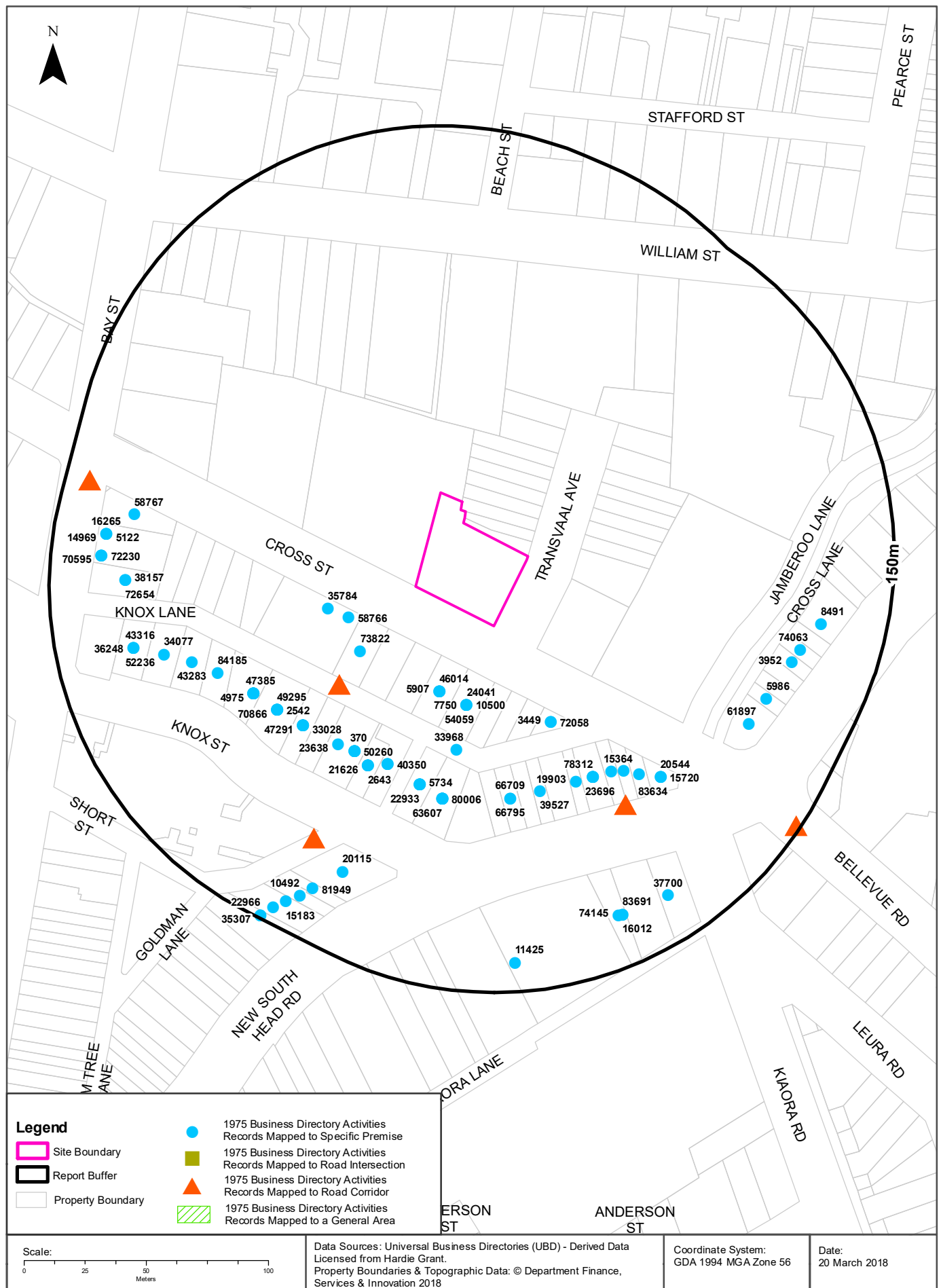
Records from the 1978 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

| Business Activity                                   | Premise   | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|---|---|---------|---------------------|-----------------------------------|
| MILLINERY-RETAIL                                    | Delice Milliners. Cross St., Double Bay.                                  | 46297   | Road Match          | 0m                                |
| RESTAURANTS.  | San Pan, Cross St., Double Bay.   | 63361   | Road Match          | 0m                                |
| ADVERTISING AGENCIES.                               | Emanz Pty. Ltd., Knox La., Double Bay.                                    | 1251    | Road Match          | 47m                               |
| EXPORTERS.  | Sperry ,L.,Enterprises, 1 Knox La. Double Bay.                            | 26985   | Road Match          | 47m                               |
| IMPORTERS.  | Sperry. L., Enterprises, 1 Knox La., Double Bay.                          | 37131   | Road Match          | 47m                               |
| LIBRARIES-PUBLIC.                                   | Double Bay Public Library, 548 New South Head Rd., Point Piper.           | 40221   | Road Match          | 83m                               |
| HEALTH CENTRES &/OR CLINICS.                        | Double Bay-Woollahra-Hugh Latimer Centre, New South Head Rd., Double Bay. | 35204   | Road Match          | 83m                               |
| SCHOOLS-KINDERGARTEN, DAY NURSERY.                  | Double Bay-Woollahra-Hugh Latimer Centre, New South Head Rd., Double Bay. | 64957   | Road Match          | 83m                               |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. | Bayview Service Station, Bay St., Double Bay.                             | 49387   | Road Match          | 132m                              |
| INTERIOR DECORATORS.                                | Bridges Associates Pty. Ltd., 148 Bay St.. Double Bay.                    | 38294   | Road Match          | 132m                              |
| DELICATESSENS.                                      | Bellevue Delicatessen, 14 Bellevue Rd., Bellevue Hill.                    | 17298   | Road Match          | 146m                              |
| DRESS SHOPS & ACCESSORIES.                          | Bellevue Frock Salon, 1a Bellevue Rd., Bellevue Hill.                     | 19919   | Road Match          | 146m                              |
| CHEMISTS-PHARMACEUTICAL.                            | Perkins. J. & W., 16 Bellevue Rd., Belevue Hill.                          | 13678   | Road Match          | 146m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1975 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028





# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## 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:

| Business Activity                        | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| MOTOR GARAGES &/OR ENGINEERS.            | Double Bay Auto Port, 20 Cross St, Double Bay.                  | 58766   | Premise Match       | 30m                       | South West |
| DRY CLEANERS, PRESSERS&/OR DYERS.        | Florida Perciean, 10 Cross St., Double Bay.                     | 24041   | Premise Match       | 34m                       | South      |
| JEWELLERS MFRG. &/OR W/SALERS &/OR IMPS. | Michal Watchmaker, 12 Cross St., Double Bay.                    | 46014   | Premise Match       | 34m                       | South      |
| BUTCHERS-RETAIL                          | Hannan, J. & Sons Pty. Ltd., 10 Cross St., Double Bay.          | 10500   | Premise Match       | 34m                       | South      |
| BOOT &/OR SHOE REPAIRERS.                | Leonards Shoe Repairs, 10 Cross St., Double Bay.                | 7750    | Premise Match       | 34m                       | South      |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS.  | Salon Anne, 12a Cross St., Double Bay.                          | 5907    | Premise Match       | 34m                       | South      |
| MILLINERY-RETAIL                         | Double Bay Arcade Millinery, 10 Cross St., Double Bay.          | 54059   | Premise Match       | 34m                       | South      |
| AUCTIONEERS-REAL ESTATE                  | White D. H., 12 Cross St., Double Bay.                          | 3589    | Premise Match       | 34m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.         | White, D., H., 12 Cross St., Double Bay.                        | 73126   | Premise Match       | 34m                       | South      |
| RESTAURANTS.                             | Hunters Lodge Restaurant, 18 Cross St., Double Bay.             | 73822   | Premise Match       | 35m                       | South West |
| FRUITERERS &/OR GREENGROCERS.            | Sam's Fruit Bowl, 22 Cross St., Double Bay.                     | 35784   | Premise Match       | 37m                       | West       |
| AUCTIONEERS-REAL ESTATE                  | Bray of Double Bay Pty. Ltd., 2b Cross St., Double Bay.         | 3449    | Premise Match       | 46m                       | South East |
| REAL ESTATE AGENTS &/OR VALUERS.         | Bray of Double Bay Pty. Ltd., 2b Cross St., Double Bay.         | 72058   | Premise Match       | 46m                       | South East |
| FOOTWEAR RETAILERS.                      | Francfne Shoes, 1a Knox St., Double Bay.                        | 33968   | Premise Match       | 53m                       | South      |
| HAIRDRESSERS-GENTS.                      | Brereton, G., 5 Knox St., Double Bay.                           | 40350   | Premise Match       | 70m                       | South      |
| GROCERS-RETAIL                           | Household Supply Pty. Ltd., 394 New South Head Rd., Double Bay. | 39527   | Premise Match       | 70m                       | South      |
| MERCERS-MENS &/OR BOYS OUTFITTERS.       | Briacci & Brooks, 5 Knox St., Double Bay.                       | 52050   | Premise Match       | 70m                       | South      |
| DRESS SHOPS & ACCESSORIES.               | Kids in Gear, 5 Knox St., Double Bay.                           | 23326   | Premise Match       | 70m                       | South      |
| PHOTOGRAPHERS-GENERAL                    | Weiner, J., 390 New South Head Rd., Double Bay                  | 66795   | Premise Match       | 71m                       | South      |
| PHOTOGRAPHERS-COMMERCIAL                 | Weiner, J., 390 New South Head Rd., Double Bay.                 | 66709   | Premise Match       | 71m                       | South      |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS.  | Norma Salon, 3 Knox St., Double Bay.                            | 5734    | Premise Match       | 72m                       | South      |
| DRESS SHOPS & ACCESSORIES.               | After Five, 3 Knox St., Double Bay.                             | 22933   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.         | Dudley, J., 3A Knox St., Double Bay.                            | 72258   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.         | Facer Watts Double Bay Pty. Ltd., 3a Knox St., Double Bay.      | 72290   | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS &/OR VALUERS.         | Malouff. C. Real Estate, 3 Knox St., Double Bay                 | 72648   | Premise Match       | 72m                       | South      |
| DELICATESSENS.                           | Abors Delicatessen 400 New South Head Rd., Double Bay.          | 19903   | Premise Match       | 72m                       | South East |

| Business Activity                       | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| DENTISTS.                               | Parker, A., 9 Knox St., Double Bay.                             | 21272   | Premise Match       | 72m                       | South West |
| HEALTH CENTRES                          | Erna Health & Beauty Clinic, 9 Knox St., Double Bay.            | 41640   | Premise Match       | 72m                       | South West |
| MEDICAL PRACTITIONERS.                  | Feller, K. H., 9 Knox St., Double Bay.                          | 50260   | Premise Match       | 72m                       | South West |
| ACCOUNTANTS & AUDITORS.                 | Kery, O., 9 Knox St., Double Bay.                               | 370     | Premise Match       | 72m                       | South West |
| DRESS SHOPS & ACCESSORIES.              | Mark Foy's Boutique, 9 Knox St., Double Bay.                    | 23411   | Premise Match       | 72m                       | South West |
| DRESS SHOPS & ACCESSORIES.              | Sports girl, 11 Knox St., Double Bay.                           | 23638   | Premise Match       | 72m                       | South West |
| LEATHER GOODS RETAILERS                 | Adams, N., 15 Knox St., Double Bay.                             | 47291   | Premise Match       | 73m                       | South West |
| FLORISTS-RETAIL                         | Double Bay Florist, 15 Knox St., Double Bay.                    | 33028   | Premise Match       | 73m                       | South West |
| RESTAURANTS.                            | Double Bay Steak House, The. 15 Knox St., Double Bay.           | 73685   | Premise Match       | 73m                       | South West |
| FOOTWEAR RETAILERS.                     | La Piccola Scala, 15 Knox St., Double Bay.                      | 34046   | Premise Match       | 73m                       | South West |
| TAILORS., LADIES &/OR GENTS.            | Soltesz, M., 15 Knox St., Double Bay.                           | 81731   | Premise Match       | 73m                       | South West |
| LAUNDRIES &/OR LAUNDRETTES.             | Lantern's Laundries. 1 Knox St., Double Bay.                    | 46952   | Premise Match       | 74m                       | South      |
| BOOKKEEPING MACHINE IMPS. &/OR DEALERS. | Herford, E. R., 1 Knox St., Double Bay.                         | 7361    | Premise Match       | 74m                       | South      |
| DRESS SHOPS & ACCESSORIES.              | Carolyne Salon, 1 Knox St., Double Bay                          | 23030   | Premise Match       | 74m                       | South      |
| TAILORS., REPAIR.                       | Double Bay Alteration Service, 1 Knox St., Double Bay.          | 81792   | Premise Match       | 74m                       | South      |
| STATIONERS., RETAIL                     | Herford, E. R., 1 Knox St., Double Bay.                         | 80006   | Premise Match       | 74m                       | South      |
| NEWSAGENTS-GENERAL                      | Herford, E. R., 1 Knox St., Double Bay.                         | 63607   | Premise Match       | 74m                       | South      |
| TAILORS., LADIES &/OR GENTS.            | Weissberger. F., 1 Knox St., Double Bay.                        | 81762   | Premise Match       | 74m                       | South      |
| NEWSPAPERS &/OR PERIODICALS.            | Double Bay Courier, Rear 402 New South Head Rd., Double Bay.    | 64055   | Premise Match       | 74m                       | South East |
| PUBLISHERS                              | Frew Publications Pty. Ltd., 402 New South Head Rd., Double Bay | 71019   | Premise Match       | 74m                       | South East |
| SOLICITORS.                             | Gaden, Bowen, 402 New South Head Rd., Double Bay.               | 78312   | Premise Match       | 74m                       | South East |
| STEREOTYPERS., METAL, PLASTIC, RUBBER   | Gordon Galleries, 402 New South Head Rd., Double Bay.           | 80935   | Premise Match       | 74m                       | South East |
| DRESS SHOPS & ACCESSORIES.              | Topsy's Boutique Pty. Ltd., 402 New South Head Rd., Double Bay. | 23696   | Premise Match       | 74m                       | South East |
| INTERIOR DECORATORS.                    | Walford, L. Pty. Ltd., 7 Knox St., Double Bay.                  | 45374   | Premise Match       | 74m                       | South West |
| FURNITURE-HOUSEHOLD RETAIL              | Walford L Pty, Ltd., 7 Knox St., Double Bay.                    | 36984   | Premise Match       | 74m                       | South West |
| ANTIQUE DEALERS.                        | Walford, I. Pty. Ltd., 7 Knox St., Double Bay.                  | 2643    | Premise Match       | 74m                       | South West |
| DESIGN CONSULTANTS                      | Walford, L. Pty. Ltd., 7 Knox St., Double Bay.                  | 21626   | Premise Match       | 74m                       | South West |
| CHEMISTS-PHARMACEUTICAL                 | Hallam Pty. Ltd., 406 New South Head Rd., Double Bay,           | 15364   | Premise Match       | 76m                       | South East |
| DENTISTS.                               | Beckett. L., 17 Knox St., Double Bay.                           | 20758   | Premise Match       | 76m                       | South West |
| DENTISTS.                               | Smythe, J. D., 17 Knox St., Double Bay.                         | 21390   | Premise Match       | 76m                       | South West |
| ANTIQUE DEALERS.                        | Buxton, A., 17 Knox St., Double Bay.                            | 2542    | Premise Match       | 76m                       | South West |
| MASSEURS-MASSEUSES.                     | Double Bay Massage Centre, 17 Knox St., Double Bay.             | 49295   | Premise Match       | 76m                       | South West |
| PSYCHOLOGISTS.                          | Hoffmeister, P., 17 Knox St., Double Bay                        | 70866   | Premise Match       | 76m                       | South West |
| BABY &/OR CHILDRENS WEAR- RETAIL        | Poppet's, 17 Knox St., Double Bay.                              | 3924    | Premise Match       | 76m                       | South West |

| Business Activity                       | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| MERCERS-MENS &/OR BOYS OUTFITTERS.      | Richards, F V. & Co., 410 New South Head Rd., Double Bay.                            | 52348   | Premise Match       | 80m                       | South East |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. | Beauty Clinic, The (Miss Nolan), 21 Knox St., Double Bay.                            | 4975    | Premise Match       | 80m                       | South West |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. | Gladwyn Salon, 21 Knox St., Double Bay.  | 5309    | Premise Match       | 80m                       | South West |
| REAL ESTATE AGENTS &/OR VALUERS.        | Baramore Real Estate, 21 Knox St., Double Bay.                                       | 72002   | Premise Match       | 80m                       | South West |
| FOOTWEAR RETAILERS.                     | Bylos Bros., 21 Knox St., Double Bay.  | 33895   | Premise Match       | 80m                       | South West |
| LIBRARIES-LENDING.                      | Double Bay Library & Book Shop, 21 Knox St., Double Bay                              | 47385   | Premise Match       | 80m                       | South West |
| CAFES, TEA ROOMS &/OR COFFEE LOUNGES.   | Knox St. Espresso, 21 Knox St., Double Bay.  | 12059   | Premise Match       | 80m                       | South West |
| MANUFACTURERS AGENTS.                   | Lees, H. J. (Sales) Pty. Ltd., 21 Knox St., Double Bay.                              | 48842   | Premise Match       | 80m                       | South West |
| DRESS FABRIC RETAILERS.                 | Glad Rags, 412 New South Head Rd., Double Bay  | 22843   | Premise Match       | 85m                       | South East |
| TOY DEALERS., RETAIL                    | Bay Toys. 29 Knox St., Double Bay.   | 84185   | Premise Match       | 88m                       | South West |
| CHEMISTS-PHARMACEUTICAL                 | Ottoway's Pharmacy, 416 New South Head Rd., Double Bay.                              | 15720   | Premise Match       | 92m                       | South East |
| TOBACCONISTS., RETAIL                   | G. H. & Co . 418 New South Head Rd., Double Bay.                                     | 83634   | Premise Match       | 92m                       | South East |
| DELICATESSENS                           | Tasty Foods, 414 New South Head Rd., Double Bay.                                     | 20544   | Premise Match       | 92m                       | South East |
| HOTELS-PRIVATE                          | Knox Plaza Lodge, 35 Knox St., Double Bay  | 43283   | Premise Match       | 97m                       | West       |
| FOOTWEAR RETAILERS.                     | Miller, E., 39 Knox St., Double Bay.   | 34077   | Premise Match       | 107m                      | West       |
| MOTOR SERVICE STATIONS - PETROL, OIL    | Pavilion Service Station, 424 New South Head Rd., Oouble Bay.                        | 61897   | Premise Match       | 111m                      | South East |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. | Stylish Beauty Salon, 426 New South Head Rd., Double Bay.                            | 5986    | Premise Match       | 113m                      | South East |
| BABY &/OR CHILDRENS WEAR- RETAIL        | Tilli Boutique for Children. 436 New South Head Rd., Oouble Bay.                     | 3952    | Premise Match       | 116m                      | East       |
| RESTAURANTS.                            | Prunier Continental Restaurant, 438 New South Head Rd., Double Bay.                  | 74063   | Premise Match       | 118m                      | East       |
| DELICATESSENS                           | Double Bay Delicatessen & Bar Que, 376 New South Head Rd, Double Bay.                | 20115   | Premise Match       | 118m                      | South      |
| HOTELS-PRIVATE                          | Savoy lodge, 41 Knox St., Double Bay.  | 43316   | Premise Match       | 118m                      | West       |
| MERCERS-MENS &/OR BOYS OUTFITTERS.      | Lane, J., 41 Knox St., Double Bay.   | 52236   | Premise Match       | 118m                      | West       |
| FURNISHINGS-SOFT RETAIL                 | Oggi Furnishings by Barbara Bridges & Associates Pty. Ltd., 41 Knox St., Double Bay. | 36248   | Premise Match       | 118m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS.           | Double Bay Garage, 55 Bay St., Double Bay.   | 58767   | Premise Match       | 119m                      | West       |
| GIFT SHOPS.                             | House of Copper, The, 49 Bay St., Double Bay.  | 38157   | Premise Match       | 119m                      | West       |
| REAL ESTATE AGENTS &/OR VALUERS.        | Mansell & Associates Pty. Ltd., 49 Bay St., Double Bay.                              | 72654   | Premise Match       | 119m                      | West       |
| BUILDERS &/OR BUILDING CONTRACTORS.     | Group Constructions Pty. Ltd, 442 New South Head Rd., Double Bay                     | 8491    | Premise Match       | 123m                      | East       |
| CHEMISTS-PHARMACEUTICAL                 | Bay Street Pharmacy, 53 Bay St., Double Bay.   | 14969   | Premise Match       | 128m                      | West       |
| BEAUTY SALONS &/OR LADIES HAIRDRESSERS. | Crowning Glory Hair Studio, 53a Bay St., Double Bay.                                 | 5122    | Premise Match       | 128m                      | West       |
| CHIROPODISTS.                           | Bay Street Pharmacy, 53 Bay St., Double Bay  | 16265   | Premise Match       | 128m                      | West       |
| CHEMISTS-PHARMACEUTICAL                 | Village Pharmacy, 457 New South Head Rd., Double Bay.                                | 16012   | Premise Match       | 129m                      | South East |
| RESTAURANTS.                            | Terrace, The Cahill, 455 New South Head Rd., Double Bay.                             | 74145   | Premise Match       | 129m                      | South East |
| TOBACCONISTS., RETAIL                   | Village Kiosk, 457 New South Head Rd., Double Bay.                                   | 83691   | Premise Match       | 129m                      | South East |
| REAL ESTATE AGENTS &/OR VALUERS.        | Dellit, H. E., 51 Bay St., Double Bay.   | 72230   | Premise Match       | 129m                      | West       |

| Business Activity             | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|-------------------------------|--|---------|---------------------|---------------------------|------------|
| PROPERTY MANAGEMENT.          | Dellit, H. E., 51 Bay St., Double Bay.                           | 70595   | Premise Match       | 129m                      | West       |
| RESTAURANTS.                  | Pukka Sahib, 51 Bay St., Double Bay.                             | 74064   | Premise Match       | 129m                      | West       |
| TAKE., AWAY FOODS.            | La Krokette. 374 New South Head Rd. Double Bay.                  | 81949   | Premise Match       | 130m                      | South West |
| GARDENERS SUPPLIES-RETAIL     | Woolworth's Greenhouse, 465 New South Head Rd., Double Bay.      | 37700   | Premise Match       | 131m                      | South East |
| BUTCHERS-RETAIL               | Handler Butchery, 372 New South Head Rd., Double Bay.            | 10492   | Premise Match       | 134m                      | South West |
| BUTCHERS-RETAIL               | Woolworths Food Fair Stores, 435 New South Head Rd., Double Bay. | 11425   | Premise Match       | 138m                      | South      |
| CHEMISTS-PHARMACEUTICAL       | De Navi. P. J. (Double Bay), 370 New South Head Rd., Double Bay. | 15183   | Premise Match       | 139m                      | South West |
| BUTCHERS-RETAIL               | Bay Butchery, The, 368 New South Head Rd., Double Bay            | 10036   | Premise Match       | 144m                      | South West |
| DRESS SHOPS & ACCESSORIES.    | Barrie Jeanne Pty. Ltd., 366 New South Head Rd., Double Bay.     | 22966   | Premise Match       | 149m                      | South West |
| FRUITERERS &/OR GREENGROCERS. | Giuliano. A., 366 New South Head Rd., Double Bay.                | 35307   | Premise Match       | 149m                      | South West |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1975 Business Directory Records Road or Area Matches

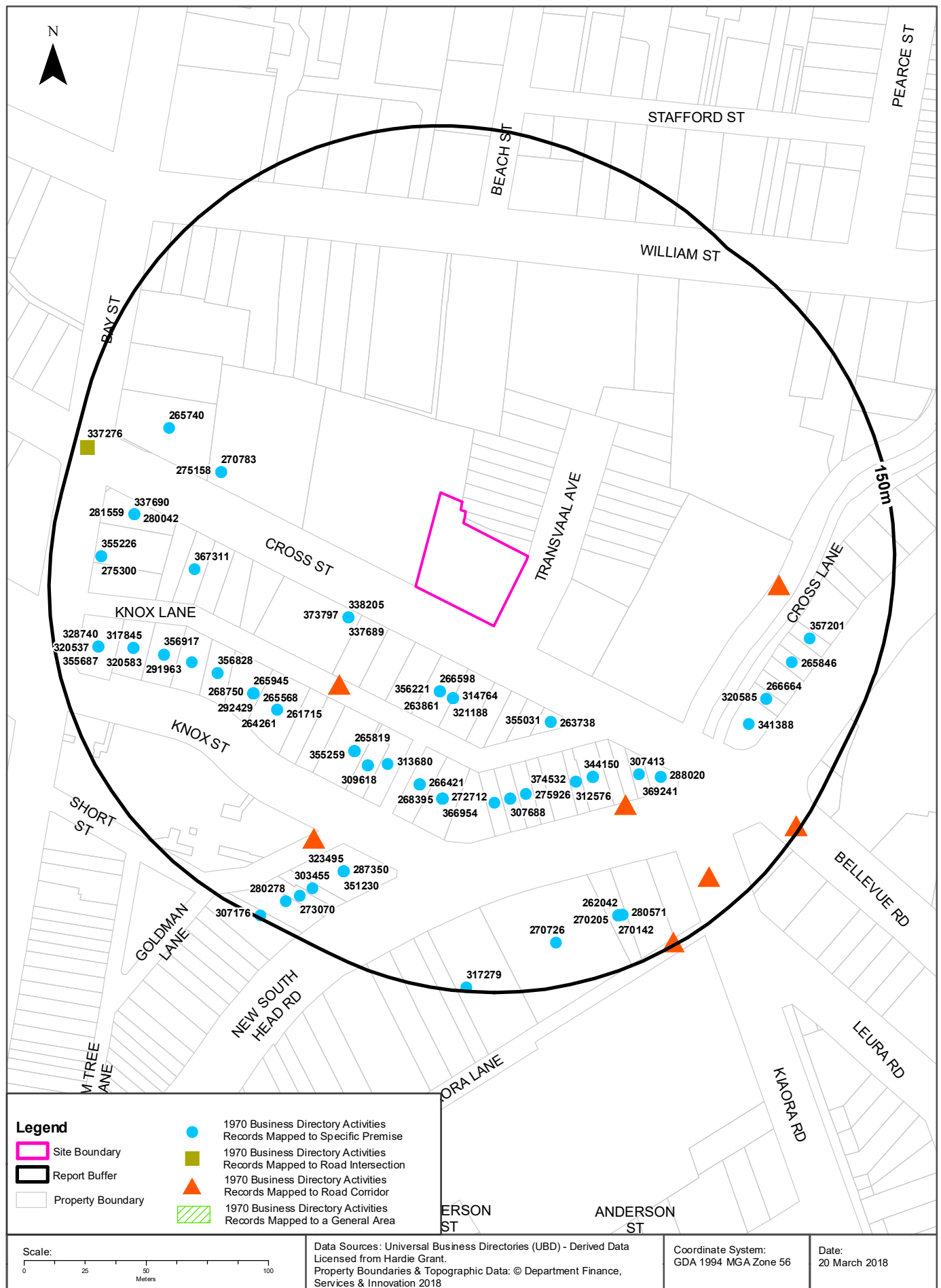
Records from the 1975 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

| Business Activity                    | Premise   | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|--------------------------------------|---|---------|---------------------|-----------------------------------|
| ADVERTISING AGENCIES.                | Emanz Pty. .Ltd., Knox La., Double Bay.                                       | 945     | Road Match          | 47m                               |
| MOTOR ELECTRICIANS.                  | Morris, G. E., Goldman La., Double Bay.                                       | 58011   | Road Match          | 56m                               |
| MOTOR ENGINE RECONDITIONERS.         | Morris, G. E., Goldman La., Double Bay.                                       | 58111   | Road Match          | 56m                               |
| MOTOR GARAGES &/OR ENGINEERS.        | Mrrity, G. E., Goldman La., Double Bay.                                       | 59283   | Road Match          | 56m                               |
| HEALTH CENTRES                       | Double Bay - Woollahra - Hugh Latimer Centre, New South Head Rd., Double Bay. | 41629   | Road Match          | 83m                               |
| LIBRARIES-PUBLIC.                    | Double Bay Public Library, 548 New South Head Rd., Point Piper.               | 47476   | Road Match          | 83m                               |
| SCHOOLS., KINDERGARTEN, DAY NURSERY. | Double Bay., Woollahra., Hugh Latimer Centre, New South Head Rd., Double Bay. | 75960   | Road Match          | 83m                               |
| MOTOR GARAGES &/OR ENGINEERS.        | Bayview Service Station. Bay St., Double Bay.                                 | 58417   | Road Match          | 132m                              |
| DELICATESSENS.                       | Bellevue Delicatessen, 14 Bellevue Rd., Bellevue Hill.                        | 19944   | Road Match          | 146m                              |
| CHEMISTS-PHARMACEUTICAL              | Perkins, J. & W., 16 Bellevue Rd., Bellevue Hill.                             | 15761   | Road Match          | 146m                              |
| DRY CLEANERS, PRESSERS&/OR DYERS.    | Westley Dry Cleaners, 6 Bellevue Rd., Bellevue Hill.                          | 24423   | Road Match          | 146m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1970 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## 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:

| Business Activity   | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| MOTOR GARAGES & ENGINEERS(M6S6)                               | Double Bay Auto Port,20 Cross St.DOUBLE BAY   | 337689  | Premise Match       | 30m                       | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)                               | Mark,B. E.,20 Cross St. DOUBLE BAY  | 338205  | Premise Match       | 30m                       | South West |
| WELDERS-ELECTRIC &/OR OXY (W145)                              | Mark,B.E.,20 Cross St.,Double Bay.  | 373797  | Premise Match       | 30m                       | South West |
| DRY CLEANERS,PRESSERS/DYERS (D710)                            | Florida Perclean,2 Harris Arc.,10-12 Cross St.,Double Bay                               | 292301  | Premise Match       | 34m                       | South      |
| HANDBAG/GLOVE SPECIALISTS (H160)                              | Florentine Leather Shop (The),Shop 4,Harris Arc.,10-12 Cross St.,Double Bay             | 314764  | Premise Match       | 34m                       | South      |
| BOOT & SHOE REPAIRERS (B580)                                  | Leonards Shoe Repairs, Shop 8, Harris Arc., 10-12 Cross St.,- Double Bay.               | 268990  | Premise Match       | 34m                       | South      |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260)                | Salon Anne, 12a Cross St., Double Bay.  | 266598  | Premise Match       | 34m                       | South      |
| MILLINERY-RETAIL (M372)                                       | Double Bay Arcade Millinery,Shop 7,Harris Arc.,10-12 Cross St.,Double Bay               | 331546  | Premise Match       | 34m                       | South      |
| JEWELLERS/WATCHMAKERS-RETAIL(J060)                            | Michal Watchmaker,Harris Arc.,10-12 Cross St.,Double Bay                                | 321188  | Premise Match       | 34m                       | South      |
| FRUITERS/GREENGROCERS (F640)                                  | Sam's Fruit Bowl,12 Cross St.,Double Bay  | 307881  | Premise Match       | 34m                       | South      |
| AUCTIONEERS-REAL ESTATE (A625)                                | White, DH., 12 Cross St., Double Bay, 2028.   | 263861  | Premise Match       | 34m                       | South      |
| REAL ESTATE AGENTS/VALUERS(R205)                              | White,D. H.,12 Cross St.DOUBLE BAY  | 356221  | Premise Match       | 34m                       | South      |
| AUCTIONEERS-REAL ESTATE (A625)                                | Bray of Double Bay Pty. Ltd., 2b Cross St., Double Bay; 2028                            | 263738  | Premise Match       | 46m                       | South East |
| REAL ESTATE AGENTS/VALUERS(R205)                              | Bray of Double Bay Pty. Ltd., 2b Cross St., Double Bay                                  | 355031  | Premise Match       | 46m                       | South East |
| HAIRDRESSERS (GENT.'S) (H070)                                 | Brereton,G.,5 Knox St.,Double Bay   | 313680  | Premise Match       | 70m                       | South      |
| CAFES, COFFEE LOUNGES, Etc. (C030)                            | One-Two-Three (1-2-3) Espresso, 392 New South Head Rd.,Double Bay                       | 275926  | Premise Match       | 70m                       | South      |
| BUTCHERS-RETAIL (B860)  | Bay Butcher (The), 390 New South Head Rd., Double Bay                                   | 273174  | Premise Match       | 71m                       | South      |
| ELECTRIC LIGHTING SPECIALISTS-INSTALLERS &/OR DESIGNERS(E180) | Interior Lighting Pty.Ltd.,390 New South Head Rd.,Double Bay                            | 293965  | Premise Match       | 71m                       | South      |
| FRUITERS/GREENGROCERS (F640)                                  | Paino,J. & Son,390 New South Head Rd.,Double Bay  | 307688  | Premise Match       | 71m                       | South      |
| REAL ESTATE AGENTS/VALUERS(R205)                              | York,P. Pty. Ltd.,390 New South Head Rd.DOUBLE BAY                                      | 356259  | Premise Match       | 71m                       | South      |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260)                | Norma (Fahren) Salon, 3 Knox St., Double Bay  | 266421  | Premise Match       | 72m                       | South      |
| DRESS SHOPS (D595)  | After Five, 3 Knox St.,Double Bay   | 290990  | Premise Match       | 72m                       | South      |
| DRESS SHOPS (D595)  | After Five, 3 Knox St.,Double Bay   | 290991  | Premise Match       | 72m                       | South      |
| DRESS SHOPS (D595)  | Barrie,Jeanne Pty.Ltd.,386-388 New South Head Rd.,Double Bay & City & Suburban Branches | 291045  | Premise Match       | 72m                       | South      |
| REAL ESTATE AGENTS/VALUERS(R205)                              | Double Bay Realty,348 New South Head Rd,Dudley,J.,3a Knox St.,Double Bay,2028DOUBLE BAY | 355244  | Premise Match       | 72m                       | South      |

| Business Activity                                      | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| REAL ESTATE AGENTS/VALUERS(R205)                       | Facer Watts Double Bay Pty. Ltd.,3a Knox St.DOUBLE BAY                      | 355304  | Premise Match       | 72m                       | South      |
| GROCERS-RETAIL (G655)                                  | Household Supply Pty. Ltd.,394-402 New South Head Rd.,Double Bay (& Branch) | 312576  | Premise Match       | 72m                       | South East |
| WINE/SPIRIT MERCHANTS-RETAIL(W260)                     | Household Supply Pty.Ltd.,394-402 New South Head Rd.,Double Bay (& Branch)  | 374532  | Premise Match       | 72m                       | South East |
| MATERIAL-HANDLING EQUIP.MANUFACTURERS (M164)           | High-Density Storage Pty. Ltd.,9 Knox St., Double Bay                       | 325835  | Premise Match       | 72m                       | South West |
| MATERIAL-HANDLING EQUIP.MANUFACTURERS (M164)           | Plant Handling Equipment Pty. Ltd.,9 Knox St., Double Bay                   | 325873  | Premise Match       | 72m                       | South West |
| PALLET MFRS. &/OR HIRERS (P104)                        | Plant Handling Equipment Pty. Ltd.,9 Knox St., Double Bay.                  | 346926  | Premise Match       | 72m                       | South West |
| TRUCKS & TROLLEYS-INDUSTRIAL -IMPORTS.&/OR MFRS.(T680) | Plant Handling Equipment Pty.Ltd.,9 Knox St.,DoubleBay.                     | 371371  | Premise Match       | 72m                       | South West |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260)         | Ela-Berise, 9 Knox St., Double Bay  | 265819  | Premise Match       | 72m                       | South West |
| REAL ESTATE AGENTS/VALUERS(R205)                       | Dunrich Bros.,9 Knox St., Double Bay  | 355259  | Premise Match       | 72m                       | South West |
| INSURANCE BROKERS (I520)                               | King,Kennard E. & Co. Pty. Ltd.,9 Knox St., Double Bay                      | 320043  | Premise Match       | 72m                       | South West |
| DRESS SHOPS (D595)                                     | Mark Foys Boutique,9 Knox St., Double Bay                                   | 291520  | Premise Match       | 72m                       | South West |
| DRESS SHOPS (D595)                                     | Carolyne Salon,Herford Arc.,1 Knox St.,Double Bay                           | 291118  | Premise Match       | 74m                       | South      |
| TAILORS-REPAIR (T025)                                  | Double Bay Alteration Service,1 Knox St.,Double Bay                         | 366994  | Premise Match       | 74m                       | South      |
| BUSINESS AGENTS &/OR BROKERS(B852)                     | Farquharson Real Estate, 1 Knox St., Double Bay                             | 272712  | Premise Match       | 74m                       | South      |
| STOCK/STATION AGENTS (S754)                            | Farquharson Real Estate,1 Knox St,Double Bav                                | 366054  | Premise Match       | 74m                       | South      |
| REAL ESTATE AGENTS/VALUERS(R205)                       | Farquharson Real Estate,1 Knox St.DOUBLE BAY                                | 355316  | Premise Match       | 74m                       | South      |
| FOOTWEAR RETAILERS (F495)                              | Francint Shoos,1 Knox St.,Double Bay  | 305547  | Premise Match       | 74m                       | South      |
| MEDICAL PRACTITIONERS (M216)                           | Gries,Leon,1 Knox St.,Double Bay  | 327015  | Premise Match       | 74m                       | South      |
| BOOKSELLERS--RETAIL (B555)                             | Herford, ER., 1 Knox St, Double Bay   | 268395  | Premise Match       | 74m                       | South      |
| NEWSAGENTS (N100)                                      | Herford,E. R.,1 Knox St.,Double Bay   | 343580  | Premise Match       | 74m                       | South      |
| STATIONERS-RETAIL (S516)                               | Herford. E. R. (Cards),1 Knox St.,Double Bay                                | 364581  | Premise Match       | 74m                       | South      |
| TAILORS-LADIES'/GENT'S (T015)                          | Weissberger,Fred.,1 Knox St.,Double Bay                                     | 366954  | Premise Match       | 74m                       | South      |
| NEWSPAPERS/PERIODICALS (N130)                          | Double Bay Courier,Rear 402 New South Head Rd.,DoubleBay                    | 344150  | Premise Match       | 74m                       | South East |
| ART GALLERIES & MUSEUMS (A475)                         | Gordon Galleries, 402 New South Head Rd., Double Bay                        | 262316  | Premise Match       | 74m                       | South East |
| LINGERIE/HOSIERY SPEC. (L530)                          | Ryder,D.,402 New South Head Rd.,Double Bay                                  | 323663  | Premise Match       | 74m                       | South East |
| HANDBAG/GLOVE SPECIALISTS (H160)                       | Ryders,D.,402 New South Head Rd.,Double Bay                                 | 314810  | Premise Match       | 74m                       | South East |
| COFFEE MERCHANTS (C518)                                | Elbon Coffee Roasting, 402 New South Head Rd., Double Bay                   | 284851  | Premise Match       | 74m                       | South East |
| ART DEALERS (A470)                                     | Gordon Galleries, 402 New South Head Rd., Double Bay                        | 262277  | Premise Match       | 74m                       | South East |
| DRESS SHOPS (D595)                                     | Topsy's Boutique Pty.Ltd.,402 New South Head Rd.,DoubleBay                  | 291780  | Premise Match       | 74m                       | South East |
| INTERIOR DECORATORS (I620)                             | Walford,L. Pty. Ltd.,7 Knox St.,Double Bay.                                 | 320605  | Premise Match       | 74m                       | South West |
| FURNITURE-HOUSEHOLD-RETAILERS RETAILERS (F740)         | Walford,L.Pty.Ltd.,7 Knox St.,Double Bay                                    | 309618  | Premise Match       | 74m                       | South West |
| ANTIQUA DEALERS (A400)                                 | Welford, LPty. Ltd., 7 Knox St, Double Bay                                  | 261796  | Premise Match       | 74m                       | South West |
| ANTIQUA DEALERS (A400)                                 | Buxton, A, 17 Knox St,' Double Bay  | 261715  | Premise Match       | 76m                       | South West |
| BABY & CHILDREN'S WEAR-RETAIL(B005)                    | Poppet's Children's Wear, 17 Knox St., Double Bay                           | 264261  | Premise Match       | 76m                       | South West |



| Business Activity                              | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| DRY CLEANERS,PRESSERS/DYERS (D710)             | Nu-Clear Laundrette & Dry Cleaners,21 Knox St.,Double Bay                         | 292429  | Premise Match       | 80m                       | South West |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260) | Beauty Clinic (The) (Miss Nolan), 21 Knox St., Double Bay                         | 265568  | Premise Match       | 80m                       | South West |
| BOOT & SHOE REPAIRERS (B580)                   | Bylos Bros., 21 Knox St., Double Bay  | 268750  | Premise Match       | 80m                       | South West |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260) | Gladwyn Salon, 21 Knox St., Double Bay  | 265945  | Premise Match       | 80m                       | South West |
| LIBRARIES-LENDING (L450)                       | Double Bay Library,21 Knox St.,Double Bay   | 323161  | Premise Match       | 80m                       | South West |
| CAFES, COFFEE LOUNGES, Etc. (C030)             | Knox Street Espresso, 21 Knox St., Double Bay                                     | 275750  | Premise Match       | 80m                       | South West |
| MANUFACTURERS' AGENTS (M112)                   | Lees,H. J. (Sales) Pty. Ltd.,21 Knox St.,Double Bay                               | 325060  | Premise Match       | 80m                       | South West |
| CONFECTIONERS-RETAIL (C620)                    | Nut Tree (The), 21 Knox St., Double Bay   | 285380  | Premise Match       | 80m                       | South West |
| REAL ESTATE AGENTS/VALUERS(R205)               | Wallace,S. R.,21 Knox St.,Double Bay,208DOUBLE BAY                                | 356176  | Premise Match       | 80m                       | South West |
| FRUITERERS/GREENGROCERS (F640)                 | Lombardo,G.f 4)2 New South Head Rd.,Double Bay                                    | 307413  | Premise Match       | 85m                       | South East |
| WELDERS-ELECTRIC &/OR OXY (W145)               | Shewan,H.A.& Son,29 Knox St.,Double Bay   | 373947  | Premise Match       | 88m                       | South West |
| RESTAURANTS (R320)                             | Gypsy Charcoal Inn (Wine & Dine),27 Knox St.,DoubleBay                            | 356828  | Premise Match       | 88m                       | South West |
| CABINETMAKERS (C006)                           | Oates, John, 51 Cross St., Double Bay   | 275158  | Premise Match       | 89m                       | West       |
| BUILDERS & CONTRACTORS-(M.M.B.A.) (B796)       | Oates, J., 51 Cross St., Double Bay NSW   | 270783  | Premise Match       | 89m                       | West       |
| TAXATION CONSULTANTS/SPECIALISTS (T090)        | Miles,Barclay & Co.,36 Cross St.,Double Bay                                       | 367311  | Premise Match       | 91m                       | West       |
| TOBACCONISTS-RETAIL (T440)                     | G.H.& Co.,418 New South Head Rd.,Double Bay                                       | 369241  | Premise Match       | 92m                       | South East |
| DELICATESSENS (D080)                           | Tasty Foods,414 New South Head Rd.,Double Bay                                     | 288020  | Premise Match       | 92m                       | South East |
| HOTELS-PRIVATE (H700)                          | Knox Private Hotel,35-37 Knox St.,Double Bay                                      | 317788  | Premise Match       | 97m                       | West       |
| RESTAURANTS (R320)                             | Chinese Inn (The),39 Knox St.,Double Bay  | 356917  | Premise Match       | 107m                      | West       |
| DRESSMAKERS/COSTUMIERS (D600)                  | Magg Dresses,37-39 Knox St.,Double Bay  | 291963  | Premise Match       | 107m                      | West       |
| MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)  | Pavilion Service Station,424 New South Head Rd.DOUBLE BAY                         | 341388  | Premise Match       | 111m                      | South East |
| INTERIOR DECORATORS (I620)                     | Philippines Handcraft,428 New South Head Rd.,DoubleBay                            | 320585  | Premise Match       | 113m                      | South East |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260) | Stylish Beauty Saion, 426 New South Head Rd., Double Bay                          | 266664  | Premise Match       | 113m                      | South East |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260) | Crowning Glory Hair Studio, 57 Bay St., Double Bay                                | 265740  | Premise Match       | 114m                      | North West |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260) | Elysee' Salon, 436 New South Head Rd., Double Bay.                                | 265846  | Premise Match       | 116m                      | East       |
| LINGERIE/HOSIERY SPEC. (L530)                  | Cherlton's,378 New South Head Rd.,Double Bay                                      | 323495  | Premise Match       | 118m                      | South      |
| DRAPERS-RETAIL (D540)                          | Charlton's,378 New South Head Rd.,Double Bay                                      | 290314  | Premise Match       | 118m                      | South      |
| POULTRY DEALERS-RETAIL (P692)                  | Double Bay Delicatessen & Poultry Barbeque,376 New South Head Rd./Double Bay      | 351230  | Premise Match       | 118m                      | South      |
| DELICATESSENS (D080)                           | Double Bay Delicatessen & Poultry B'B'Q,376 New South Head Rd.,Double Bay         | 287350  | Premise Match       | 118m                      | South      |
| INTERIOR DECORATORS (I620)                     | Oggi Furnishings by Barbara Bridges & Associates Pty. Ltd.,41 Knox St.,Double Bay | 320583  | Premise Match       | 118m                      | West       |
| HOTELS-PRIVATE (H700)                          | Savoy Lodge,41-45 Knox St.,Double Bay   | 317845  | Premise Match       | 118m                      | West       |
| FURNISHINGS-SOFT-RETAIL (F690)                 | Oggi Furnishings by Barbara Bridges & Associates Pty.Ltd.,41 Knox St.,Double Bay  | 308595  | Premise Match       | 118m                      | West       |
| CHEMISTS-PHARMACEUTICAL (C286)                 | Bay Street Pharmacy (Hato), 55 Bay St., Double Bay                                | 280042  | Premise Match       | 119m                      | West       |
| MOTOR GARAGES & ENGINEERS(M6S6)                | Double Bay Garage,55 Bay St.,DOUBLE BAY   | 337690  | Premise Match       | 119m                      | West       |

| Business Activity                        | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|--|---------|---------------------|---------------------------|------------|
| CHIROPODISTS (C316)                      | Bay Street Pharmacy (Hato), 55 Bay St., Double Bay                     | 281559  | Premise Match       | 119m                      | West       |
| RESTAURANTS (R320)                       | Prunier Continental Restuarant,440 New South Head Rd.,Double Bay '     | 357201  | Premise Match       | 120m                      | East       |
| CHEMISTS-PHARMACEUTICAL (C286)           | illage Pharmacy (Otvosl), 457 New South Head Rd.,Double Bay            | 280571  | Premise Match       | 129m                      | South East |
| BUILDERS & CONTRACTORS (B800)            | Group Constructions Pty. Ltd., 455 New South Head Rd.,Double Bay, 2028 | 270142  | Premise Match       | 129m                      | South East |
| BUILDERS & CONTRACTORS (B800)            | Jennings, JBuilding & Joinery, 455 New South Head Rd.,Double Bay, 2028 | 270205  | Premise Match       | 129m                      | South East |
| CLUBS & SPORTING BODIES (C487)           | Double Bay Bridge Club, 455 New South Head Rd., DoubleBay              | 284195  | Premise Match       | 129m                      | South East |
| ARCHITECTS (A440)                        | Duncan, A.H. & Associates., 455 New South Head Rd.,Double Bay, 2028    | 261954  | Premise Match       | 129m                      | South East |
| ARCHITECTS (A440)                        | Ley, JP& Associates., 455 New South Head Rd., Double Bay, 2028         | 262042  | Premise Match       | 129m                      | South East |
| RESTAURANTS (R320)                       | Terrace (The) Cahill,455 New South Head Rd.,DoubleBay                  | 357294  | Premise Match       | 129m                      | South East |
| RESTAURANTS (R320)                       | Terrace (The) Cahill,455 New South Head Rd.,DoubleBay                  | 357295  | Premise Match       | 129m                      | South East |
| TOBACCONISTS-RETAIL (T440)               | Village Kiosk,457a New South Head Rd.,Double Bay                       | 369348  | Premise Match       | 129m                      | South East |
| CAFES, COFFEE LOUNGES, Etc. (C030)       | Alfred's Restaurant, 51 Bay St., Double Bay                            | 275300  | Premise Match       | 129m                      | West       |
| REAL ESTATE AGENTS/VALUERS(R205)         | Dellit,H. E.,51 Bay St.DOUBLE BAY                                      | 355226  | Premise Match       | 129m                      | West       |
| FISH MERCHANTS-RETAIL (F245)             | Freeman's Quality Fish,374 New South Head Rd.,Double Bay               | 303455  | Premise Match       | 130m                      | South West |
| BUILDERS & CONTRACTORS-(M.M.B.A.) (B796) | Mainline Constructions Pty. Ltd., 445 New South Head Rd Double Bay NSW | 270726  | Premise Match       | 132m                      | South      |
| INTERIOR DECORATORS (I620)               | Bridges Associates Pty. Ltd.,45 Knox St.,Double Bay                    | 320537  | Premise Match       | 132m                      | West       |
| MERCERS-MEN'S & BOYS' OUTFITTERS(M232)   | Bassar of Bay Street,47 Bay St.,Double Bay                             | 328740  | Premise Match       | 132m                      | West       |
| REAL ESTATE AGENTS/VALUERS(R205)         | Mansell,C. W. & Associates Pty. Ltd.,47 Bay St.DOUBLE BAY              | 355687  | Premise Match       | 132m                      | West       |
| BUTCHERS-RETAIL (B860)                   | andler Butchery, 372 New South Head Rd., Double Bay                    | 273070  | Premise Match       | 134m                      | South West |
| CHEMISTS-PHARMACEUTICAL (C286)           | De Navi, Peter J(Double Bay), 370 New South Head Rd.,Double Bay        | 280278  | Premise Match       | 139m                      | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)          | Bayview Service Station, Cnr. Bay & Cross Sts. DOUBLE BAY              | 337276  | Road Intersection   | 144m                      | West       |
| HOTELS-LICENSED (H690)                   | Golden Sheaf Hotel,419-431 New South Head Rd.,Double- Bay              | 317279  | Premise Match       | 148m                      | South      |
| FRUITERERS/GREENGROCERS (F640)           | Giuliano,A.,366 New South Head Rd.,Double Bay                          | 307176  | Premise Match       | 149m                      | South West |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 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:

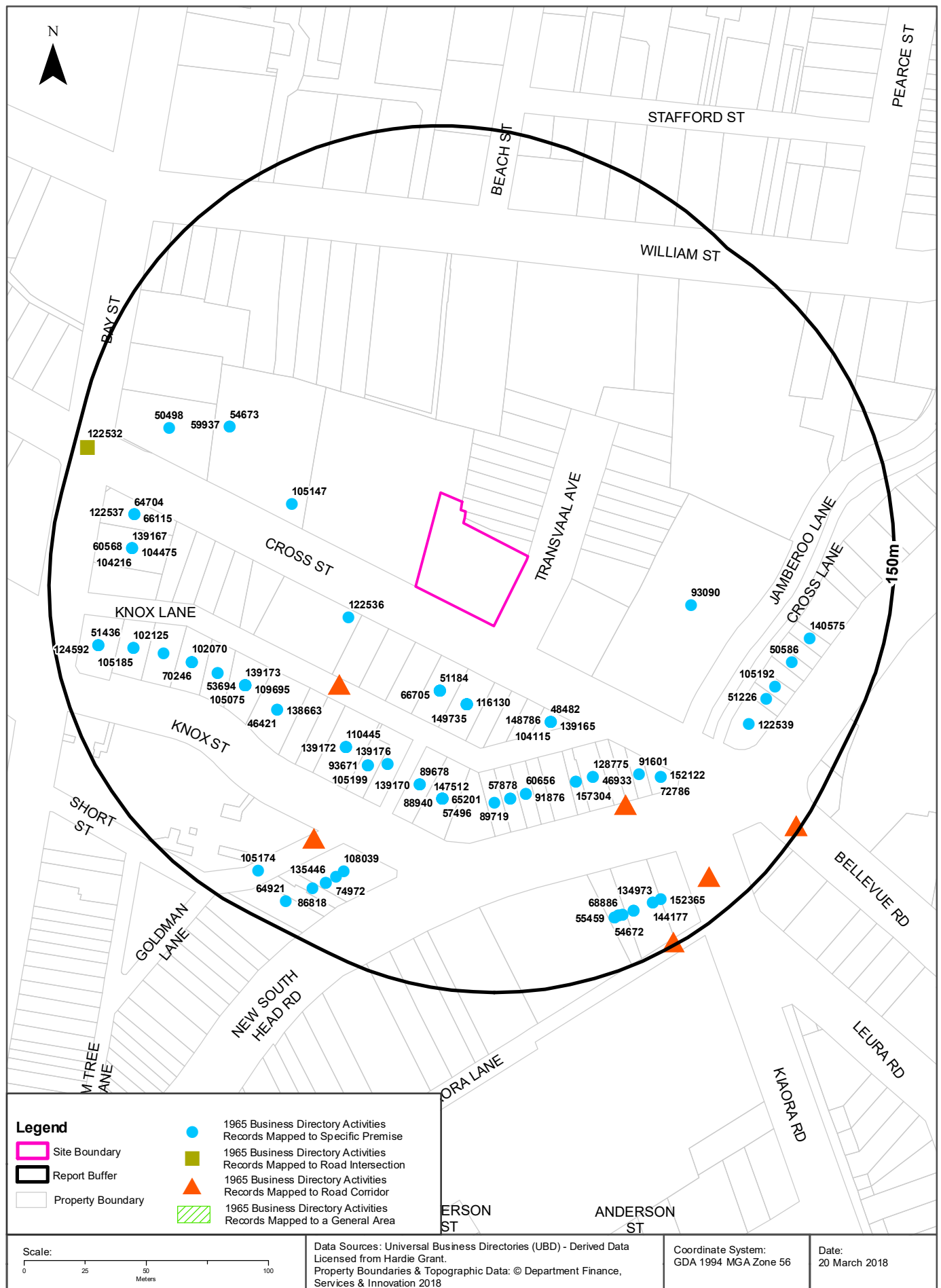
| Business Activity                               | Premise   | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|---|---|---------|---------------------|-----------------------------------|
| PHOTOGRAPHERS-COMMERCIAL(P272)                  | Weiner,John,1 Knox Lane,Double Bay                  | 347980  | Road Match          | 47m                               |
| PHOTOGRAPHERS-PORTRAIT (P284)                   | Weiner,John,1 Knox Lane,Double Bay                  | 348137  | Road Match          | 47m                               |
| RADIO &/OR TELEVISION SALES & SERVICEMEN (R090) | Field's Radio & T.V. Service,Goldman LaneDOUBLE BAY | 354303  | Road Match          | 56m                               |

| Business Activity                              | Premise  | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|--|--|---------|---------------------|-----------------------------------|
| INTERIOR DECORATORS (I620)                     | McKewan,B. Interiors,7 Goldman La.,Double Bay                        | 320573  | Road Match          | 56m                               |
| MOTOR GARAGES & ENGINEERS(M6S6)                | Morris,G. E.,Goldman La.DOUBLE BAY                                   | 338288  | Road Match          | 56m                               |
| MOTOR ELECTRICIANS (M620)                      | Morris,G. E.,Goldman Lane,Double Bay                                 | 336918  | Road Match          | 56m                               |
| MOTOR ENGINE RECONDITIONERS(M624)              | Morris,G. E.,Goldman Lane,Double Bay                                 | 337041  | Road Match          | 56m                               |
| MOTOR PAINTERS (M672)                          | Morris,G. E.,Goldman Lane,Double Bay                                 | 339501  | Road Match          | 56m                               |
| MOTOR PANEL BEATERS (M680)                     | Morris,G. E.,Goldman Lane,Double Bay                                 | 340261  | Road Match          | 56m                               |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260) | Elaines Hair Artistry, 222 New South Head Rd., Double Bay            | 265820  | Road Match          | 83m                               |
| LOCAL BODIES (L630)                            | Woollahra Municipal Council (Central Depot),JamberoolaLa.,Double Bay | 323788  | Road Match          | 86m                               |
| CLUBS & SPORTING BODIES (C487)                 | Double Bay Bowling Club Ltd., Kiora Rd., Double Bay                  | 284194  | Road Match          | 119m                              |
| DELICATESSENS (D080)                           | Bellevue Delicatessen,14 Bellevue Rd.,Bellevue HILL                  | 287155  | Road Match          | 146m                              |
| DRESS SHOPS (D595)                             | Bellevue Frock Salon,la Bellevue Rd.,Bellevue Hill                   | 291065  | Road Match          | 146m                              |
| HARDWARE DEALERS/IRONMONGERS (H230)            | Bellevue Hardware,191 Bellevue Rd.BELLEVUE HILL                      | 314912  | Road Match          | 146m                              |
| RESTAURANTS (R320)                             | Blue Danube (The),16 Bellevue Rd.,Bellevue Hill                      | 356870  | Road Match          | 146m                              |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260) | Charles Salon De Coiffure, lib Bellevue Rd., Bellevue Hill           | 265677  | Road Match          | 146m                              |
| CHEMISTS-PHARMACEUTICAL (C286)                 | Perkins, John & Wendy, 16 Bellevue Rd., Bellevue Hill                | 280960  | Road Match          | 146m                              |
| CHEMISTS-PHARMACEUTICAL (C286)                 | Smith, ED., & Bellevue Rd., Bellevue Hill                            | 281146  | Road Match          | 146m                              |
| ELECTROPLATERS-MFRG. (E375)                    | Double Bay Chrome Works, 393 Kiora Lane, Double Bay                  | 296706  | Road Match          | 147m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1965 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## 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:

| Business Activity  | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|--|---------|---------------------|---------------------------|------------|
| Motor Garages & Engineers - Double Bay                   | Double Bay Auto Port, 20 Cross St.   | 122536  | Premise Match       | 30m                       | South West |
| Dry Cleaners, Pressers/Dyers                             | Florida Perclean, 2 Harris Arc., 10-12 Cross St., Double Bay                     | 76160   | Premise Match       | 34m                       | South      |
| Dry Cleaners, Pressers/Dyers                             | Jeeves (1938) Pty. Ltd., 9/12 Harris Arc., 10-12 Cross St., Double Bay           | 76206   | Premise Match       | 34m                       | South      |
| Clothing Mfrs. &/or W'salers - Baby &/or Children's Wear | Caroline Bandy Pty. Ltd., 12 Cross St., Double Bay                               | 66705   | Premise Match       | 34m                       | South      |
| Clothing Mfrs. &/or W'salers - Ladies' Dresses & Gowns   | Caroline Bondy Pty. Ltd., 12 Cross St., Double Bay                               | 67527   | Premise Match       | 34m                       | South      |
| Cleaners - Industrial                                    | General Contract Cleaners, 12 Cross St., Double Bay                              | 66426   | Premise Match       | 34m                       | South      |
| Engineers - Refrigeration                                | Stewart & Elder, , 10 Cross St., Double Bay                                      | 83866   | Premise Match       | 34m                       | South      |
| Handbag/Glove Specialists                                | Florentine Leather Shop (The) , Shop 4, Harris Arc., 10-12 Cross St., Double Bay | 98802   | Premise Match       | 34m                       | South      |
| Cleaners - General                                       | General Contract Cleaners, 12 Cross St., Double Bay                              | 66405   | Premise Match       | 34m                       | South      |
| BOOT & SHOE REPAIRERS                                    | Londe Seoe Repairs, Shop 8, Harris Arc., 10-12 Cross St., Double Ba              | 53461   | Premise Match       | 34m                       | South      |
| Beauty Salons &/or Ladies Hairdressers                   | Salon Anne, , 12a Cross St., Double Bay  | 51184   | Premise Match       | 34m                       | South      |
| Refrigerator Dealers &/or Servicemen                     | Stewart & Eider, 10 Cross St., Double Bay  | 140078  | Premise Match       | 34m                       | South      |
| Electrical Contractors - Licensed Firms                  | Stewart & Elder, , 10 Cross St., Double By                                       | 79069   | Premise Match       | 34m                       | South      |
| Millinery - Retail                                       | Double Bay Arcade Millinery, Shop 7, Harris Arc., 10-12 Cross St., Double Bay    | 116130  | Premise Match       | 34m                       | South      |
| Dressmakers/Costumiers                                   | Hirschler, D. & M., (Up) Harris Arc., 10-12 Cross St., Double Bay                | 75731   | Premise Match       | 34m                       | South      |
| Jewellers/Watchmakers - Retail                           | Michal Watchmaker, Harris Arc., 10-12 Cross St., Double Bay                      | 106125  | Premise Match       | 34m                       | South      |
| TAILORS-LADIES'/GENT.'S                                  | Rosenberg, J. (Ladies), Harris Arc. , 10-12 Cross St., Double Bay                | 149735  | Premise Match       | 34m                       | South      |
| Fruiterers & Greengrocers                                | Sam's Fruit Bowl, 12 Cross St., Double Bay                                       | 92064   | Premise Match       | 34m                       | South      |
| Gift Shops   | Suzanne Gigts, , Shop 6, Harris Arc., 10-12 Cross St., Double Bay                | 95079   | Premise Match       | 34m                       | South      |
| Real Estate Agents/Valuers - Double Bay                  | White, D. H. , 12 Cross St.  | 139179  | Premise Match       | 34m                       | South      |
| Insurance Agents   | White, D. H., 12 Cross St., Double Bay   | 104628  | Premise Match       | 34m                       | South      |
| STOCK/STATION AGENTS                                     | Bray, Gordon , 2b Cross St., Double Bay  | 148786  | Premise Match       | 46m                       | South East |
| Auctioners - Real Estate                                 | Bray, Gordon, , 2b Cross St., Double Bay   | 48482   | Premise Match       | 46m                       | South East |
| Insurance Agents   | Bray, Gordon, 2b Cross St., Double Bay   | 104115  | Premise Match       | 46m                       | South East |
| Real Estate Agents/Valuers - Double Bay                  | Bray, T. & G. Pty. Ltd. , 2b Cross St.   | 139165  | Premise Match       | 46m                       | South East |
| Real Estate Agents/Valuers - Double Bay                  | Walker, Colin & Gordon, , 2 Cross St.  | 139178  | Premise Match       | 46m                       | South East |
| Insurance Agents   | Walker, Colin & Gordon, 2 Cross St., Double Bay                                  | 104608  | Premise Match       | 46m                       | South East |

| Business Activity   | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| Interior Decorators                                       | Bridges Associates Pty. Ltd., 45 Knox St., Double Bay                                       | 105147  | Premise Match       | 58m                       | West       |
| Furniture Dealers - Second - Hand                         | Young, W. , 7 Cross St., Double Bay   | 93090   | Premise Match       | 70m                       | East       |
| DENTISTS  | Beckett, Leonard S., 5 Knox Rd., Double Bay   | 73134   | Premise Match       | 70m                       | South      |
| Hairdressers (Gent.'s)/Tobacconists                       | Brereton, G. , 5 Knox St., Double Bay   | 97807   | Premise Match       | 70m                       | South      |
| Cafes, Tea Rooms, Coffee Lounges, Etc.                    | One-Two-Three (1.2-3) Espresso , 392 New South Head Rd., Double Bay                         | 60656   | Premise Match       | 70m                       | South      |
| Fruiterers & Greengrocers                                 | Paino, J. , 392 New South Head Rd., Double Bay  | 91876   | Premise Match       | 70m                       | South      |
| Butchers - Retail   | Bay Butcher (The), 390 New South Head Rd., Double Bay                                       | 57878   | Premise Match       | 71m                       | South      |
| Electric Lighting Specialists - Installers &/or Designers | Interior Lighting Pty. Ltd., 390 New South Head Rd., Double Bay                             | 77775   | Premise Match       | 71m                       | South      |
| Real Estate Agents/Valuers - Double Bay                   | York, P. Pty. Ltd. , 390 New South Head Rd.   | 139180  | Premise Match       | 71m                       | South      |
| Frock & Coat Salons                                       | "After Five", 3 Knox St., Double Bay  | 89678   | Premise Match       | 72m                       | South      |
| Frock & Coat Salons                                       | Barrie, Jeanne Pty. Ltd., 386-388 New South Head Rd., Double Bay & City & Suburban Branches | 89719   | Premise Match       | 72m                       | South      |
| Beauty Salons &/or Ladies Hairdressers                    | Norma (Fahren) Salon, , 3 Knox St., Double Bay  | 51037   | Premise Match       | 72m                       | South      |
| Real Estate Agents/Valuers - Double Bay                   | Harbourside Real Estate Pty. Ltd. , 3 Knox St.  | 139170  | Premise Match       | 72m                       | South      |
| Insurance Agents  | Harbourside Real Estate Pty. Ltd., 3a Knox St., Double Bay                                  | 104298  | Premise Match       | 72m                       | South      |
| Grocers - Retail  | Household Supply Pty. Ltd. , 394-402 New South Head Rd., Double Bay (& Branch)              | 96649   | Premise Match       | 72m                       | South East |
| Wine/Spirit Merchants - Retail                            | Household Supply Pty. Ltd. , 394-402 New South Head Rd., Double Bay (& Branch)              | 157304  | Premise Match       | 72m                       | South East |
| Material-Handling Equip. Manufacturers                    | Plant Handling Equipment Pty. Ltd., 9-11 Knox St., Double Bay                               | 110445  | Premise Match       | 72m                       | South West |
| Real Estate Agents/Valuers - Double Bay                   | Kennard E. King & Co.Pty. Ltd., 9-11 Knox St.   | 139172  | Premise Match       | 72m                       | South West |
| Insurance Agents  | King, Kennard 7, & Co. Pty. Ltd., 9-11 Knox St , Double Bay                                 | 104353  | Premise Match       | 72m                       | South West |
| Real Estate Agents/Valuers - Double Bay                   | King, Kennard E. & Co. Pty. Ltd. , 9-11 Knox St.  | 139174  | Premise Match       | 72m                       | South West |
| Financiers/Finance Agents                                 | King, Kennard E. & Co. Pty. Ltd., 9-11 Knox St., Double Bay                                 | 86345   | Premise Match       | 72m                       | South West |
| Real Estate Agents/Valuers - Double Bay                   | Mansell, C. W. & Associates Pty. Ltd. , 9-11 Knox St.                                       | 139176  | Premise Match       | 72m                       | South West |
| Chemists - Pharmaceutical                                 | Kennedy's Pharmacy, Herford Arc., 1 Knox St., Double Bay                                    | 65201   | Premise Match       | 74m                       | South      |
| Frock & Coat Salons                                       | Carolyne Salon, Herford Arc., 1 Knox St., Double Bay  | 89771   | Premise Match       | 74m                       | South      |
| TAILORS—REPAIR  | Double Bay Alteration Service , 1 Knox St., Double Bay                                      | 149869  | Premise Match       | 74m                       | South      |
| Business Agents &/or Brokers                              | Farquharson Home Units Pty. Ltd. , 1 Knox St., Double Bay                                   | 57496   | Premise Match       | 74m                       | South      |
| Insurance Agents  | Farquharson Home Units Pty. Ltd., 1 Knox St., Double Bay                                    | 104250  | Premise Match       | 74m                       | South      |
| STOCK/STATION AGENTS                                      | Farquharson Horne Units Pty. Ltd. , 1 Knox St., Double Bay                                  | 148830  | Premise Match       | 74m                       | South      |
| Real Estate Agents/Valuers - Double Bay                   | Farquharson Horne Units , 1 Knox St,  | 139169  | Premise Match       | 74m                       | South      |
| Footwear Retailers  | Francine Shoes, 1a Knox St., Double Bay   | 88940   | Premise Match       | 74m                       | South      |
| Medical Practitioners                                     | Gries, Leon, 1 Knox St., Double Bay   | 111537  | Premise Match       | 74m                       | South      |
| STATIONERS—RETAIL   | Herford, E. R. (Cards) , 1 Knox St., Double Bay   | 147512  | Premise Match       | 74m                       | South      |
| Newsagents  | Herford, E. R., 1 Knox St., Double Bay  | 128206  | Premise Match       | 74m                       | South      |
| BOOKSELLERS---RETAIL                                      | Herford, E. R., 1 Knox St., Double Bay  | 52797   | Premise Match       | 74m                       | South      |
| Florists - Retail - Double Bay                            | Jane Ann, Herford Arc., 1 Knox St.  | 87681   | Premise Match       | 74m                       | South      |

| Business Activity                                | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| TAILORS-LADIES'/GENT.'S                          | Weissberger, Fred. , 1 Knox St., Double Bay   | 149819  | Premise Match       | 74m                       | South      |
| Newspapers/Periodicals                           | Double Bay Courier, Rear 402 New South Head Rd., Double Bay                         | 128775  | Premise Match       | 74m                       | South East |
| Art Dealers                                      | Gordon Galleries, , 402 New South Head Rd., Double Bay                              | 46933   | Premise Match       | 74m                       | South East |
| Interior Decorators                              | Walford, L. Pty. Ltd., 7 Knox St., Double Bay                                       | 105199  | Premise Match       | 74m                       | South West |
| Furniture - Household - Retailers                | Walford, L. Pty. Ltd. , 7 Knox St., Double Bay                                      | 93671   | Premise Match       | 74m                       | South West |
| Antique Dealers                                  | Watford, L. Pty. Ltd. , 7 Knox St., Double Bay                                      | 46489   | Premise Match       | 74m                       | South West |
| Ray Treatment Specialists                        | Marcuse, S. , 17 Knox St., Double Bay   | 138663  | Premise Match       | 76m                       | South West |
| Antique Dealers                                  | Buxton, A. , 17 Knox St., Double Bay  | 46421   | Premise Match       | 76m                       | South West |
| Dry Cleaners, Pressers/Dyers                     | Nu-Clear Laundrette & Dry Cleaners, 21 Knox St., Double Bay                         | 76265   | Premise Match       | 81m                       | South West |
| Engineers - Consulting                           | Marshall, Smith & Moss, , 21 Knox St., Double Bay                                   | 81137   | Premise Match       | 81m                       | South West |
| Beauty Salons &/or Ladies Hairdressers           | Beauty Clinic (The) (Miss Nolan), , 21 Knox St., Double Bay                         | 50362   | Premise Match       | 81m                       | South West |
| Advertising Display Spec.                        | Dawnton Pty. Ltd. , 21 Knox St., Double Bay   | 44978   | Premise Match       | 81m                       | South West |
| Beauty Salons &/or Ladies Hairdressers           | Gladwyn Salon, , 21 Knox St., Double Bay  | 50666   | Premise Match       | 81m                       | South West |
| BOOT & SHOE REPAIRERS                            | Smith, G. H. , 21 Knox St., Double  | 53694   | Premise Match       | 81m                       | South West |
| Insurance Brokers                                | Adair-Ryrie Insurances, 21 Knox St., Double Bay                                     | 104662  | Premise Match       | 81m                       | South West |
| Insurance Brokers - Marine                       | Adair-Ryrie Insurances, 21 Knox St., Double Bay                                     | 104787  | Premise Match       | 81m                       | South West |
| Insurance Consultants                            | Adair-Ryrie Insurances, 21 Knox St., Double Bay                                     | 105055  | Premise Match       | 81m                       | South West |
| Insurance - Marine - Spec.                       | Adair-Ryrie Insurances, 21 Knox St., Double Bay                                     | 105075  | Premise Match       | 81m                       | South West |
| Painters, Paperhangers/Decorators                | Dawnton Pty. Ltd., 21 Knox St., Double Bay  | 131190  | Premise Match       | 81m                       | South West |
| Libraries - Lending                              | Double Bay Library, 21 Knox St., Double Bay   | 107678  | Premise Match       | 81m                       | South West |
| Real Estate Agents/Valuers - Double Bay          | Knox Real Estate Pty. Ltd. , 21 Knox St.  | 139173  | Premise Match       | 81m                       | South West |
| Business Agents &/or Brokers                     | Knox Real Estate Pty. Ltd. , 21 Knox St., Double Bay                                | 57574   | Premise Match       | 81m                       | South West |
| Cafes, Tea Rooms, Coffee Lounges, Etc.           | Knox Street Espresso , 21 Knox St., Double Bay                                      | 60481   | Premise Match       | 81m                       | South West |
| Manufacturers' Agents                            | Lees, H. J. & Co. Pty. Ltd., 21 Knox St., Double Bay.                               | 109695  | Premise Match       | 81m                       | South West |
| Architects                                       | Ley, John P. , 21 Knox St., Double Bay  | 46703   | Premise Match       | 81m                       | South West |
| SURVEYORS—MARINE                                 | Moss Hewitt & Associates , 21 Knox St., Double Bay                                  | 149370  | Premise Match       | 81m                       | South West |
| Fruiterers & Greengrocers                        | Lombardo, G. , 412 New South Head Rd., Double Bay                                   | 91601   | Premise Match       | 85m                       | South East |
| Welders - Electric &/or Oxy                      | Stewart H- A, & Son, , 29 Knox St., Double Bay                                      | 156795  | Premise Match       | 88m                       | South West |
| Restaurants                                      | "Gypsy" Charcoal inn (Wire & Dirt), , 27 Knox St., Double Bay                       | 140450  | Premise Match       | 88m                       | South West |
| Cabinetmakers                                    | Dates, John, , 51 Cross St., Double Bay   | 59937   | Premise Match       | 90m                       | North West |
| Builders & Contractors - (M.M.B.A.) - Double Bay | Oates, J. , 51 Cross St.  | 54673   | Premise Match       | 90m                       | North West |
| TOBACCONISTS—RETAIL                              | G.H. & Co. , 418 New South Head Rd., Double Bay                                     | 152122  | Premise Match       | 92m                       | South East |
| DELICATESSENS                                    | Tasty Foods, 414 New South Head Rd., Double Bay                                     | 72786   | Premise Match       | 92m                       | South East |
| Hotels - Private                                 | Knox Private Hotel, 35-37 Knox St., Double Bay                                      | 102070  | Premise Match       | 97m                       | West       |
| Dressmakers/Costumiers                           | Magg Dresses, 37-39 Knox St., Double Bay  | 75790   | Premise Match       | 97m                       | West       |
| Trade Commissioners                              | Yugoslavia Consulate-General of Socialist Federal Republic, 31 Knox St., Double Bay | 153397  | Premise Match       | 97m                       | West       |



| Business Activity                                | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| Government Representatives                       | Yugoslavia, Consulate-General of Federal People's Republic, , 31 Knox St., Double Bay | 95903   | Premise Match       | 97m                       | West       |
| Consuls  | Yugoslavia, Consulate-General of Socialist Federal Republic, 31 Knox St., Double Bay  | 70246   | Premise Match       | 97m                       | West       |
| Restaurants                                      | Chinese inn (The), 39 Knox St., Double Bay  | 140387  | Premise Match       | 107m                      | West       |
| Motor Garages & Engineers - Double Bay           | Pavillion Service Station, 424 New South Head Rd.                                     | 122539  | Premise Match       | 111m                      | South East |
| Beauty Salons &/or Ladies Hairdressers           | Stylish Beauty Salon, , 426 New South Head Rd., Double Bay                            | 51226   | Premise Match       | 113m                      | South East |
| Interior Decorators                              | Scandinavia House, 428-430 New South Head Rd., Double Bay                             | 105192  | Premise Match       | 114m                      | East       |
| Beauty Salons &/or Ladies Hairdressers           | Crowning Glory Hair Studio, , 57 Bay St., Double Bay                                  | 50498   | Premise Match       | 114m                      | North West |
| Beauty Salons &/or Ladies Hairdressers           | Elysee' Salon, , 436 New South Head Rd. Double Bay                                    | 50586   | Premise Match       | 116m                      | East       |
| Insurance Agents                                 | Dellit (H. E.), EDWIN, 51-53 Bay St., Double Bay                                      | 104216  | Premise Match       | 117m                      | West       |
| Real Estate Agents/Valuers - Double Bay          | Dellit, H. E. , 51 Bay St.  | 139167  | Premise Match       | 117m                      | West       |
| Cafes, Tea Rooms, Coffee Lounges, Etc.           | Maunafor Meals & Sandwiches, , 51 Bay St., Double Bay                                 | 60568   | Premise Match       | 117m                      | West       |
| Insurance Agents                                 | Pellit, H. E., 51 Bay St., Double Bay   | 104475  | Premise Match       | 117m                      | West       |
| Lingerie/Hosiery Spec.                           | Cheriton's, 378 New South Head Rd., Double Bay (& Brchs)                              | 108039  | Premise Match       | 118m                      | South      |
| Interior Decorators                              | Oggi Furnishings by Barbara Bridges & Associates Pty. Ltd., 41 Knox St., Double Bay   | 105185  | Premise Match       | 118m                      | West       |
| Hotels - Private                                 | Savoy Lodge, 41-45 Knox St., Double Bay   | 102125  | Premise Match       | 118m                      | West       |
| Furnishing - Soft - Retail                       | Oggi Furnishings by Barbara Bridges & Associates Pty. Ltd., 41 Knox St., Double Bay   | 92772   | Premise Match       | 118m                      | West       |
| Chemists - Pharmaceutical                        | Bay Street Pharmacy (Hato), 55 Bay St., Double Bay                                    | 64704   | Premise Match       | 119m                      | West       |
| Motor Garages & Engineers - Double Bay           | Double Bay Garage, 55 Bay St.,  | 122537  | Premise Match       | 119m                      | West       |
| Chiropodists                                     | Bay Street Pharmacy (Hato), 55 Bay St., Double Bay                                    | 66115   | Premise Match       | 119m                      | West       |
| Restaurants                                      | Prunier Continental Restaurant,, 440 New South Head Rd., Double Bay                   | 140575  | Premise Match       | 120m                      | East       |
| Drapers - Retail                                 | Cheriton's, 378 New South Head Rd., Double Bay  | 74972   | Premise Match       | 121m                      | South West |
| Poultry Dealers - Retail                         | Double Bay Delicatessen & Poultry Barbeque,, 376 New South Head Rd., Double Bay       | 135446  | Premise Match       | 125m                      | South West |
| DELICATESSENS                                    | Double Bay Delicatessen & Poultry B'B'Q, 376 New South Head Rd., Double Bay           | 72099   | Premise Match       | 125m                      | South West |
| Chemists - Pharmaceutical                        | Village Pharmacy (Otvosi), 457 New South Head Rd., Double Bay                         | 65718   | Premise Match       | 129m                      | South East |
| Builders & Contractors                           | Mainline Constructions Pty. Ltd. , 453 New South Head Rd. Double Bay                  | 55459   | Premise Match       | 129m                      | South East |
| Builders & Contractors - (M.M.B.A.) - Double Bay | Mainline Constructions Pty. Ltd. , 455 New South Head Rd. & Branches                  | 54672   | Premise Match       | 129m                      | South East |
| Clubs & Sporting Bodies                          | Double Bay Bridge Club, 455 New South Head Rd., Double Bay                            | 68886   | Premise Match       | 129m                      | South East |
| Restaurants                                      | Terrace (The) Cahill, , 455 New South Head Rd., Bay                                   | 140638  | Premise Match       | 129m                      | South East |
| TOBACCONISTS—RETAIL                              | Village Kiosk , 457a New South Head Rd., Double Bay                                   | 152264  | Premise Match       | 129m                      | South East |
| Paint, Varnish, Oils/Colour Merchants            | Epstein & Co. Pty. Ltd., 459 New South Head Rd., Double Bay, & Branches               | 130824  | Premise Match       | 130m                      | South East |
| Hardware Dealers &/or Ironmongers - Double Bay   | Epstein & Co. Pty. Ltd., 459 New South Head Rd. (6 Brchs)                             | 99172   | Premise Match       | 130m                      | South East |
| Fish Merchants - Retail                          | Freeman's Quality Fish, 374 New South Head Rd., Double Bay                            | 86818   | Premise Match       | 130m                      | South West |
| Ship Chandlers                                   | Epstein & Co. Ltd. , 463 New South Head Rd., Double Bay                               | 144177  | Premise Match       | 131m                      | South East |
| Plumbers' Supplies                               | Epstein & Co. Ltd. , 463 New South Head Rd., Double Bay                               | 134973  | Premise Match       | 131m                      | South East |

| Business Activity                      | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|--|---------|---------------------|---------------------------|------------|
| TOOL DEALERS ---RETAIL                 | Epstein & Co. Pty. Ltd. , 244 Marrickville Rd., Marrickville; 463-465 New South Head Rd., Double Bay | 152365  | Premise Match       | 131m                      | South East |
| Motor Garages & Engineers - Double Bay | Dickinson, W. H. Pty. Ltd., 45 Bay St.   | 122535  | Premise Match       | 132m                      | West       |
| Motor Painters                         | Dickinson, W. H. Pty. Ltd., 45 Bay St., Double Bay   | 123852  | Premise Match       | 132m                      | West       |
| Belt Mfrs. - Ladies' & Gent's          | Schindler, M. , 45 Bay St., Double Bay   | 51436   | Premise Match       | 132m                      | West       |
| Motor Panel Beaters                    | Dickinson, w. H. Pty. Ltd., 45 Bay St., Double Bay   | 124592  | Premise Match       | 132m                      | West       |
| Interior Decorators                    | McKewan, Barbara, 7 Goldman Lane, Double Bay   | 105174  | Premise Match       | 133m                      | South West |
| Chemists - Pharmaceutical              | De Navi, Peter J. (Double Bay), 370 New South Head Rd., Double Bay                                   | 64921   | Premise Match       | 139m                      | South West |
| Motor Garages & Engineers - Double Bay | Bayview Service Station, Cnr. Bay & Cross Sts.   | 122532  | Road Intersection   | 144m                      | West       |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1965 Business Directory Records Road or Area Matches

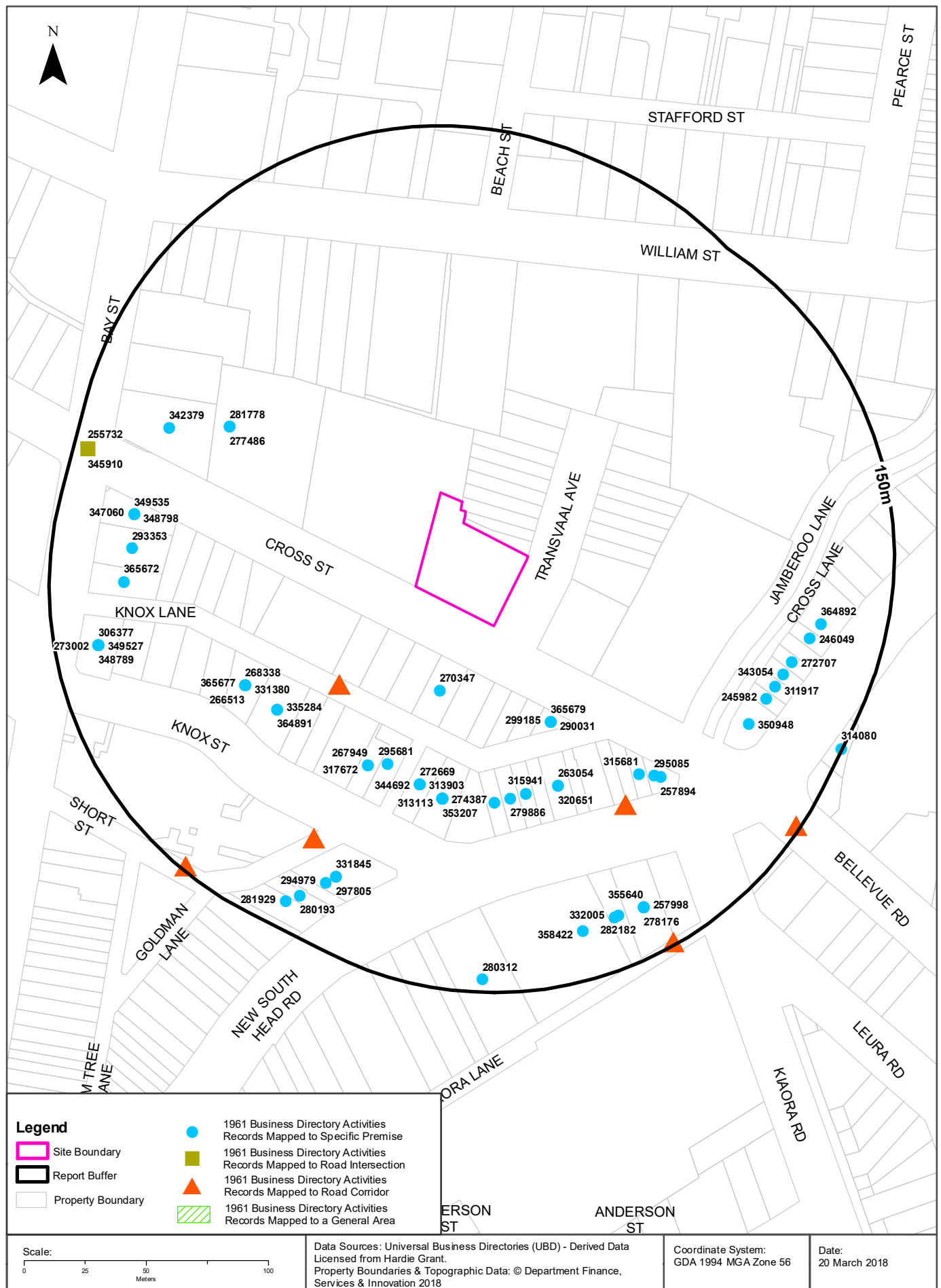
Records from the 1965 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

| Business Activity                                     | Premise  | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|---|--|---------|---------------------|-----------------------------------|
| Engineers - Electrical                                | Stewart & Elder , Knox Lane, Double Bay  | 81578   | Road Match          | 47m                               |
| Photographers - Potrait                               | Weiner, John, 1 Knox Lane, Double Bay  | 132520  | Road Match          | 47m                               |
| Photographers - Commercial                            | Weiner, John, Knox Lane, Double Bay  | 132387  | Road Match          | 47m                               |
| Radio &/Or Television Sakes & Servicemen - Double Bay | Field's Radio & T.V. Service, Goldman Lane   | 138165  | Road Match          | 56m                               |
| Motor Garages & Engineers - Double Bay                | Morris, G. E., Goldman La.   | 122538  | Road Match          | 56m                               |
| Motor Electricians                                    | Morris, G. E., Goldman Lane, Double Bay  | 121784  | Road Match          | 56m                               |
| Motor Engine Reconditioners                           | Morris, G. E., Goldman Lane, Double Bay  | 121926  | Road Match          | 56m                               |
| Motor Painters  | Morris, G. E., Goldman Lane, Double Bay  | 124104  | Road Match          | 56m                               |
| Motor Panel Beaters                                   | Morris, G. E., Goldman Lane, Double Bay  | 124860  | Road Match          | 56m                               |
| SOLICITORS  | Gaden, J. D. L. & Bowen, Elbow Arc. , New South Head Rd., Double Bay                   | 145685  | Road Match          | 83m                               |
| Libraries - Public                                    | Woollahra Municipal Library (Adults' & Children's), 544 New South Head Rd., Double Bay | 107873  | Road Match          | 83m                               |
| Clubs & Sporting Bodies                               | Double Bay Bowling Club Ltd., Kiora Rd., Double Bay                                    | 68885   | Road Match          | 119m                              |
| DELICATESSENS   | Bellevue Delicatessen, 14 Bellevue Rd., Bellevue Hill                                  | 71879   | Road Match          | 146m                              |
| Hardware Dealers &/or Ironmongers - Bellevue Hill     | Bellevue Hardware, 191 Bellevue Rd.  | 99057   | Road Match          | 146m                              |
| Restaurants   | Blue Danube (The), 16 Bellevue Rd., Bellevue Hill                                      | 140355  | Road Match          | 146m                              |
| Chemists - Pharmaceutical                             | Perkins, John & Wendy, 16 Bellevue Rd., Bellevue Hill                                  | 65469   | Road Match          | 146m                              |
| Electroplaters - Mfg.                                 | Double Bay Chrome Works, , 393 Kiora Lane Double Bay                                   | 80273   | Road Match          | 147m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1961 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## 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:

| Business Activity                                    | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| BABY & CHILDREN'S WEAR-RETAIL                        | "Maryanna," 12 Cross St., Double Bay  | 270347  | Premise Match       | 34m                       | South      |
| DRY CLEANERS, PRESSERS / DYERS                       | Maurice Dry Cleaners, 2a Cross St., Double Bay                                | 299185  | Premise Match       | 46m                       | South East |
| CLOTHING MFRS. &/OR W'SALERS-LADIES' DRESSES & GOWNS | Caroline Bondy Pty. Ltd., 2 Cross St., Double Bay                             | 290031  | Premise Match       | 46m                       | South East |
| REAL ESTATE AGENTS/VALUERS                           | Walker, Colin & Gordon, 2 Cross St. DOUBLE BAY                                | 365679  | Premise Match       | 46m                       | South East |
| DENTISTS   | Beckett, Leonard S., 5 Knox Rd., Double Bay                                   | 295681  | Premise Match       | 70m                       | South      |
| FRUITERERS/GREENGROCERS                              | Paino, J., 392 New South Head Rd., Double Bay                                 | 315941  | Premise Match       | 70m                       | South      |
| BUTCHERS-RETAIL                                      | Bay Butcher (The), 390 New South Head Rd., Double Bay                         | 279886  | Premise Match       | 71m                       | South      |
| GROCERS-RETAIL                                       | Household Supply Pty. Ltd., 394-402 New South Head Rd.,                       | 320651  | Premise Match       | 71m                       | South      |
| WINE/SPIRIT MERCHANTS-RETAIL                         | Household Supply Pty. Ltd., 394-402 New South Head Rd., Double Bay (& Branch) | 263054  | Premise Match       | 71m                       | South      |
| FROCK & COAT SALONS                                  | "After Five," 3 Knox St., Double Bay  | 313903  | Premise Match       | 72m                       | South      |
| MOTOR CAR LAUNDRIES                                  | Double Bay Car Wash, Rear 3 Knox St., Double Bay                              | 344692  | Premise Match       | 72m                       | South      |
| BEAUTY SALONS & LADIES' HAIRDRESSERS                 | Norma (Fahren) Salon, 3 Knox St., Double Bay                                  | 272669  | Premise Match       | 72m                       | South      |
| FOOTWEAR RETAILERS                                   | Curran, A., 388 New South Head Rd., Double Bay                                | 313074  | Premise Match       | 72m                       | South      |
| CHEMISTS-PHARMACEUTICAL                              | Kennedy's Pharmacy, Hertford Arc., 1 Knox St., Double Bay                     | 287747  | Premise Match       | 74m                       | South      |
| FROCK & COAT SALONS                                  | Carolyne Salon, Herford Arc, 1 Knox St., Double Bay                           | 314062  | Premise Match       | 74m                       | South      |
| REAL ESTATE AGENTS/VALUERS                           | Farquharson, L. Pty. Limited, 1 Knox St. DOUBLE BAY                           | 365674  | Premise Match       | 74m                       | South      |
| INSURANCE AGENTS                                     | Farquharson, L. Pty. Limited, 1 Knox St., Double Bay                          | 327781  | Premise Match       | 74m                       | South      |
| FOOTWEAR RETAILERS                                   | Francine Shoes, 1a Knox St., Double Bay                                       | 313113  | Premise Match       | 74m                       | South      |
| BOOKSELLERS-RETAIL                                   | Herford, E. R., 1 Knox St., Double Bay  | 274387  | Premise Match       | 74m                       | South      |
| NEWSAGENTS   | Herford, E. R., 1 Knox St., Double Bay  | 353207  | Premise Match       | 74m                       | South      |
| FISH MERCHANTS-RETAIL                                | Village Seafoods (& Poultry), 1 Knox St., Double Bay                          | 311282  | Premise Match       | 74m                       | South      |
| FURNITURE-HOUSEHOLD-RETAILERS                        | "Walford," 7 Knox St., Double Bay   | 317672  | Premise Match       | 74m                       | South West |
| ANTIQUE DEALERS                                      | "Walford," 7 Knox St., Double Bay   | 267949  | Premise Match       | 74m                       | South West |
| RAY TREATMENT SPECIALISTS                            | Marcuse, S., 17 Knox St., Double Bay  | 364891  | Premise Match       | 76m                       | South West |
| MEDICAL PRACTITIONERS                                | Gries, L., 17 Knox St., Double Bay  | 335284  | Premise Match       | 76m                       | South West |
| ADVERTISING DISPLAY SPEC.                            | Dawnton Pty. Ltd., 21 Knox St., Double Bay                                    | 266513  | Premise Match       | 81m                       | South West |

| Business Activity                        | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|--|---------|---------------------|---------------------------|------------|
| LIBRARIES—LENDING                        | Double Bay Library, 21 Knox St., Double Bay  | 331380  | Premise Match       | 81m                       | South West |
| REAL ESTATE AGENTS/VALUERS               | Knox Real Estate Pty. Ltd., 21 Knox St. Double Bay DOUBLE BAY                        | 365677  | Premise Match       | 81m                       | South West |
| ARCHITECTS                               | Ley, J. P., 21 Knox St., Double Bay  | 268338  | Premise Match       | 81m                       | South West |
| FRUITERERS/GREENGROCERS                  | Lombardo, G., 412 New South Head Rd., Double Bay                                     | 315681  | Premise Match       | 85m                       | South East |
| CABINETMAKERS                            | Oates, John, 51 Cross St., Double Bay  | 281778  | Premise Match       | 90m                       | North West |
| BUILDERS & CONTRACTORS-(M.M.B.A.)        | Oates, J 51 Cross St DOUBLE BAY  | 277486  | Premise Match       | 90m                       | North West |
| DELICATESSENS                            | Musto, W. A., 414 New South Head Rd., Double Bay                                     | 295085  | Premise Match       | 90m                       | South East |
| TOBACCONISTS-RETAIL                      | Youngs', W- C. & I., 418 New South Head Rd., Double Bay                              | 257894  | Premise Match       | 92m                       | South East |
| MOTOR SERVICE STATIONS—PETROL, OIL, Etc. | Pavillion Service Station, 424 New South Head Rd. Double Bay                         | 350948  | Premise Match       | 111m                      | South East |
| RESTAURANTS                              | Egg & I (The), 426 New South Head Rd., Double Bay                                    | 245982  | Premise Match       | 113m                      | South East |
| FLORISTS-RETAIL                          | Jane, Ann, 430 New South Head Rd.  | 311917  | Premise Match       | 114m                      | East       |
| MIXED BUSINESS                           | Silva, J. K., 57 Bay St., Double Bay   | 342379  | Premise Match       | 114m                      | North West |
| MIXED BUSINESSES                         | Bellevue Stores, 434 New South Head Rd., Double Bay                                  | 343054  | Premise Match       | 115m                      | East       |
| BEAUTY SALONS & LADIES' HAIRDRESSERS     | Philippe & Maurice of Paris, 436 New South Head Rd, Double Bay                       | 272707  | Premise Match       | 116m                      | East       |
| COSMETIC MFRS. &/OR W'SALERS             | Blocosmetics, 53 Bay St., Double Bay   | 293353  | Premise Match       | 117m                      | West       |
| MOTOR PAINTERS                           | Double Bay Garage, 55 Bay St., Double Bay  | 348798  | Premise Match       | 119m                      | West       |
| MOTOR GARAGES & ENGINEERS                | Double Bay Garage, 55 Bay St., DOUBLE BAY  | 347060  | Premise Match       | 119m                      | West       |
| MOTOR PANEL BEATERS                      | Double Bay Garage, 55 Bay St., Double Bay  | 349535  | Premise Match       | 119m                      | West       |
| REAL ESTATE AGENTS/VALUERS               | Dell it, H. E., 51 Bay St. DOUBLE BAY  | 365672  | Premise Match       | 119m                      | West       |
| RESTAURANTS                              | Prunier Continental Restuarant, 440 New South Head Rd., Double Bay                   | 246049  | Premise Match       | 120m                      | East       |
| LINGERIE/HOSIERY SPEC.                   | Cheriton's, 378 New South Head Rd., Double Bay (& Brchs.)                            | 331845  | Premise Match       | 121m                      | South West |
| DRAPERS-RETAIL                           | Cheriton's, 378 New South Head Rd., Double Bay                                       | 297805  | Premise Match       | 121m                      | South West |
| RAY TREATMENT SPECIALISTS                | McDonach, T. N., 442 New South Head Rd., Double Bay                                  | 364892  | Premise Match       | 123m                      | East       |
| DELICATESSENS                            | Linke's Delicatessen, 376 New South Head Rd., Double Bay                             | 294979  | Premise Match       | 125m                      | South West |
| LINGERIE/HOSIERY SPEC.                   | Ryder, D., 453 New South Head Rd., Double Bay  | 332005  | Premise Match       | 129m                      | South East |
| CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.   | George's Cafe Espresso, 455 New South Head Rd., Double Bay                           | 282182  | Premise Match       | 129m                      | South East |
| PICTURE THEATRES                         | Double Bay Hoyts, 451 New South Head Rd., Double Bay                                 | 358422  | Premise Match       | 130m                      | South      |
| PAINT, VARNISH, OILS/COLOUR MERCHANTS    | Epstein & Co. Pty. Ltd., 459-465 New South Head Rd., Double Bay; And at Marrickville | 355640  | Premise Match       | 130m                      | South East |
| BUILDERS' SUPPLIERS                      | Epstein & Co. Pty. Ltd., 159-463 New South Head Rd., Double Bay                      | 278176  | Premise Match       | 130m                      | South East |
| HARDWARE DEALERS/IRONMONGERS             | Epstein & Co. Pty. Ltd., 459-463 New South Head Rd. DOUBLE BAY                       | 323204  | Premise Match       | 130m                      | South East |
| TOOL DEALERS-RETAIL                      | Epstein & Co. Pty. Ltd., 463-465 New South Head Rd., Double Bay                      | 257998  | Premise Match       | 130m                      | South East |
| MOTOR PAINTERS                           | Dickinson, W. H. Pty. Ltd., 45 Bay St., Double Bay                                   | 348789  | Premise Match       | 132m                      | West       |
| MOTOR GARAGES & ENGINEERS                | Dickinson, W. H. Pty. Ltd., 45 Bay St., DOUBLE BAY                                   | 347051  | Premise Match       | 132m                      | West       |
| ENGINEERS-GENERAL/MFRG./MECHANICAL       | Dickinson, W. H. Pty. Ltd., 45 Bay St., Double Bay                                   | 306377  | Premise Match       | 132m                      | West       |

| Business Activity                         | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|---------------------|---------------------------|------------|
| BELT MANUFACTURERS-LADIES' GENT.'S        | Schindler, M., 45 Bay St., Double Bay                   | 273002  | Premise Match       | 132m                      | West       |
| MOTOR PANEL BEATERS                       | Dickinson, W. H. Pty. Ltd., 45 Bay St., Double Bay      | 349527  | Premise Match       | 132m                      | West       |
| BUTCHERS-RETAIL                           | Double Bay Meat Co., 372 New South Head Rd., Double Bay | 280193  | Premise Match       | 134m                      | South West |
| CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.    | "Harmans Cafe", 370 New South Head Rd., Double Bay      | 281929  | Premise Match       | 139m                      | South West |
| MOTOR CYLINDER SLEEVE/LINER MANUFACTURERS | Cunningham, W. D., Cnr. Bay & Cross Sts., Double Bay    | 345910  | Road Intersection   | 144m                      | West       |
| TAXIS                                     | Llanos, A., 36 Cross St., Double Bay                    | 255732  | Road Intersection   | 144m                      | West       |
| BUTCHERS-RETAIL                           | Fountain, W. P., 435 New South Head Rd., Double Bay     | 280312  | Premise Match       | 145m                      | South      |
| FROCK & COAT SALONS                       | Couture, Zita, 481a New South Head Rd., Double Bay      | 314080  | Premise Match       | 150m                      | South East |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 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:

| Business Activity             | Premise   | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|-------------------------------|---|---------|---------------------|-----------------------------------|
| WELDERS-ELECTRIC &/OR OXY     | Shewan, H. A. & Son, Knox Lane, Double Bay                                  | 262438  | Road Match          | 47m                               |
| ENGINEERS-CONSULTING          | Smith, Marshall & Moss, Knox Lane, Double Bay                               | 305170  | Road Match          | 47m                               |
| MOTOR BODY REPAIRS/CONVERTERS | Stewan, N. A. & Son, Knox Lane, Double Bay                                  | 344448  | Road Match          | 47m                               |
| ENGINEERS-ELECTRICAL          | Stewart & Elder, Knox Lane, Double Bay                                      | 305609  | Road Match          | 47m                               |
| MOTOR GARAGES & ENGINEERS     | Morris, G. E., Goldman La. DOUBLE BAY                                       | 347742  | Road Match          | 56m                               |
| MOTOR ELECTRICIANS            | Morris, G. E., Goldman Lane, Double Bay                                     | 346111  | Road Match          | 56m                               |
| MOTOR ENGINE RECONDITIONERS   | Morris, G. E., Goldman Lane, Double Bay                                     | 346295  | Road Match          | 56m                               |
| MOTOR PAINTERS                | Morris, G. E., Goldman Lane, Double Bay                                     | 349023  | Road Match          | 56m                               |
| MOTOR PANEL BEATERS           | Morris, G. E., Goldman Lane, Double Bay                                     | 349792  | Road Match          | 56m                               |
| BUSINESS AGENTS &/OR BROKERS  | Bradfield. P. C., 224 New South Head Rd., Edgecliff                         | 279434  | Road Match          | 83m                               |
| BANKS                         | Commercial Banking Company of Sydney Limited New South Head Rd., Double Bay | 271269  | Road Match          | 83m                               |
| ANTIQUE DEALERS               | Taprell and Son, 226 New South Head Rd., Edgecliff                          | 267988  | Road Match          | 83m                               |
| FURNITURE-HOUSEHOLD-RETAILERS | Taprell and Son, 226 New South Head Rd., Edgecliff                          | 317895  | Road Match          | 83m                               |
| PRINTERS-LETTERPRESS          | Double Bay Courier Publishing Co., 7 Short St., Double Bay                  | 362149  | Road Match          | 145m                              |
| NEWSPAPER PUBLISHERS          | Double Bay Newspapers Pty. Ltd., 7 Short St., Double Bay                    | 353541  | Road Match          | 145m                              |
| RESTAURANTS                   | "Canard" Restaurant, 16 Bellevue Rd., Bellevue Hill                         | 245925  | Road Match          | 146m                              |
| DELICATESSENS                 | Bellevue Delicatessen, 14 Bellevue Rd., Bellevue Hill                       | 294582  | Road Match          | 146m                              |
| FROCK & COAT SALONS           | Bellevue Frock Salon, 1a Bellevue Rd., Bellevue Hill                        | 314026  | Road Match          | 146m                              |
| RESTAURANTS                   | Blue Danube (The), 16 Bellevue Rd., Bellevue Hill                           | 245945  | Road Match          | 146m                              |
| FRUITERS/GREENGROCERS         | McKinnon, E., 1 Bellevue Rd., Bellevue Hill                                 | 315780  | Road Match          | 146m                              |

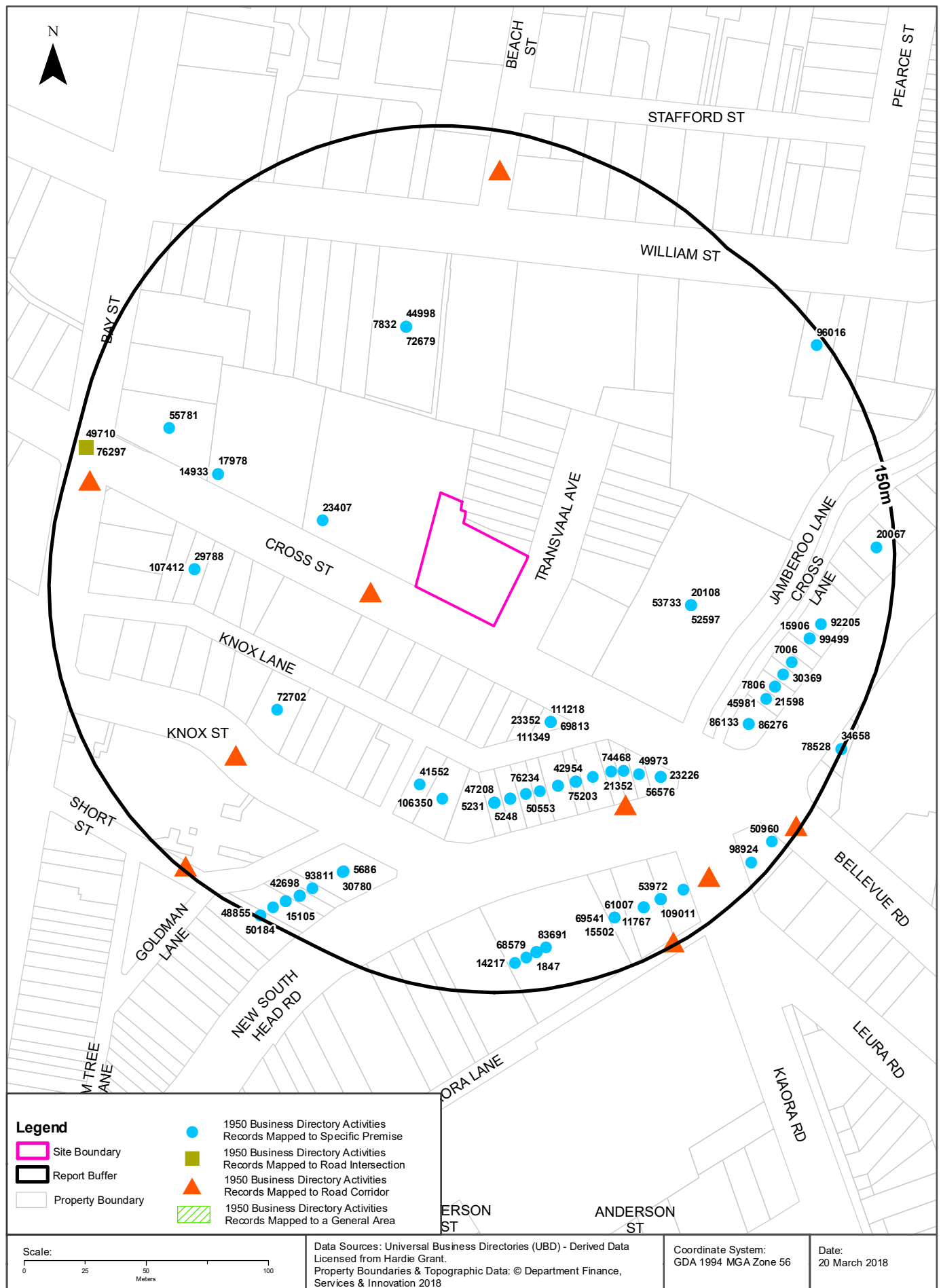
| Business Activity       | Premise   | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|-------------------------|---|---------|---------------------|-----------------------------------|
| INSURANCE BROKERS       | Radcliff, T. W., 16 Bellevue Rd., Bellevue Hill     | 328162  | Road Match          | 146m                              |
| CHEMISTS-PHARMACEUTICAL | Smith, E. D., 4 Bellevue Rd., Bellevue Hill         | 288119  | Road Match          | 146m                              |
| ELECTROPLATERS-MFRG.    | Double Bay Chrome Works, 393 Kiora Lane, Double Bay | 304023  | Road Match          | 147m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant



# 1950 Historical Business Directory Records

19-27 Cross Street, Double Bay, NSW 2028



# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## 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:

| Business Activity   | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| CLOTHING MANUFACTURERS &/OR WHOLESALERS-LADIES' DRESSES & GOWNS | Le Belward Models, 43a Cross St., Double Bay                             | 23407   | Premise Match       | 44m                       | West       |
| CLOTHING MANUFACTURERS &/OR WHOLESALERS-LADIES' DRESSES & GOWNS | Henry and Co., 2 Cross St., Double Bay                                   | 23352   | Premise Match       | 46m                       | South East |
| LOUNGE SUITE MANUFACTURERS                                      | Longhurst, J., 2b Cross St., Double Bay                                  | 69813   | Premise Match       | 46m                       | South East |
| UPHOLSTERERS-MANUFACTURING                                      | Longhurst, J., 2b Cross St., Double Bay                                  | 111349  | Premise Match       | 46m                       | South East |
| UPHOLSTERERS  | Longhurst, J., 2b Cross St., Double Bay                                  | 111218  | Premise Match       | 46m                       | South East |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS                         | Stenlake, R. R., 33 William St., Double Bay                              | 7832    | Premise Match       | 69m                       | North      |
| FLATS, RESIDENTIALS, Etc.                                       | Caris Court, 33 William St., Double Bay                                  | 44998   | Premise Match       | 69m                       | North      |
| MEDICAL PRACTITIONERS   | Courtenay, B. S., 33 William St., Double Bay                             | 72679   | Premise Match       | 69m                       | North      |
| CARRIERS & CARTAGE CONTRACTORS                                  | Young, W., 7 Cross St., Double Bay                                       | 20108   | Premise Match       | 70m                       | East       |
| FURNITURE DEALERS-SECONDHAND                                    | Young, W., 7 Cross St., Double Bay                                       | 52597   | Premise Match       | 70m                       | East       |
| FURNITURE-HOUSEHOLD-RETAILERS                                   | Young, W., 7 Cross St., Double Bay                                       | 53733   | Premise Match       | 70m                       | East       |
| FRUITERS & GREENGROCERS   | Lombardo, G., 392 New South Head Rd., Double Bay                         | 50553   | Premise Match       | 70m                       | South      |
| MILK BARS & CONFECTIONERS                                       | 'One Two Three', 394 New South Head Rd., Double Bay                      | 76234   | Premise Match       | 70m                       | South      |
| BUTCHERS-RETAIL   | Bay Butcher (The), 390 New South Head Rd., Double Bay                    | 13130   | Premise Match       | 71m                       | South      |
| GROCERS-RETAIL  | Buttle, S. R. Pty. Ltd., 396 New South Head Rd., Double Bay              | 56684   | Premise Match       | 71m                       | South      |
| EXPORT QUALITY BUTCHER  | Harford, C. & Co., 390 New South Head Rd., Double Bay                    | 42699   | Premise Match       | 71m                       | South      |
| BUTCHERS-RETAIL   | Harford. C. and Co., 390 New South Head Rd., Double Bay                  | 13623   | Premise Match       | 71m                       | South      |
| WINE & SPIRIT MERCHANTS-RETAIL                                  | St. Claire, Ivan, 398 New South Head Rd., Double Bay                     | 113564  | Premise Match       | 71m                       | South      |
| ENGINEERS-HOT WATER, HEATING & VENTILATING                      | McNamara, E. E, 3 Knox St, Double Bay                                    | 41552   | Premise Match       | 72m                       | South      |
| BAKERS-BREAD  | Croft, A. J., 386 New South Head Rd., Double Bay                         | 5231    | Premise Match       | 72m                       | South      |
| BOOT & SHOE REPAIRERS   | Curran, A., 388 New South Head Rd., Double Bay                           | 10111   | Premise Match       | 72m                       | South      |
| BAKERS-BREAD  | Double Bay Bakery, 386 New South Head Rd., Double Bay                    | 5248    | Premise Match       | 72m                       | South      |
| FOOTWEAR-RETAILERS  | Curran, A., 388 New South Head Rd., Double Bay                           | 47208   | Premise Match       | 72m                       | South      |
| CAKE SHOPS & PASTRYCOOKS  | Double Bay Bakery (The), 386 New South Head Rd., Double Bay              | 16633   | Premise Match       | 72m                       | South      |
| EXPORTERS   | Household Supply (Ivan St. Clair) 398-400 New South Head Rd., Double Bay | 42954   | Premise Match       | 72m                       | South East |
| GROCERS-RETAIL  | Household Supply (Ivan St. Clair), 400 New South Head Rd., Double Bay    | 57814   | Premise Match       | 72m                       | South East |

| Business Activity   | Premise  | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|---------------------|---------------------------|------------|
| MERCHANTS & IMPORTERS   | Household Supply 400 New South Head Rd., Double Bay  | 75203   | Premise Match       | 72m                       | South East |
| WINE & SPIRIT MERCHANTS-RETAIL                                  | Household Supply (Ivan St. Clair), 400 New South Head Rd., Double Bay; 41 Ocean St., Woollahra; 20 Bellevue Rd., Bellevue Hill | 113524  | Premise Match       | 72m                       | South East |
| TAILORS-LADIES &/OR GENT.'S                                     | Fleischman, I. S., 1 Knox St., Double Bay  | 106350  | Premise Match       | 74m                       | South      |
| CHEMISTS-PHARMACEUTICAL   | Ottoway's Pharmacy, 402 New South Head Rd., Double Bay   | 21894   | Premise Match       | 74m                       | South East |
| CHEMISTS-PHARMACEUTICAL   | Brown, D. H., 406 New South Head Rd., Double Bay   | 21352   | Premise Match       | 76m                       | South East |
| MEDICAL PRACTITIONERS   | Cumberland, V. H., 17 Knox St., Double Bay   | 72702   | Premise Match       | 76m                       | South West |
| MERCERS & GENT'S OUTFITTERS                                     | King, Roy, 410 New South Head Rd., Double Bay  | 74468   | Premise Match       | 80m                       | South East |
| FRUITERERS & GREENGROCERS                                       | Donato, J. R., 412 New South Head Rd., Double Bay  | 49973   | Premise Match       | 85m                       | South East |
| CABINETMAKERS   | Oates, John, 51 Cross St., Double Bay  | 14933   | Premise Match       | 90m                       | West       |
| CARPENTERS & JOINERS  | Oates, John, 51 Cross St., Double Bay  | 17978   | Premise Match       | 90m                       | West       |
| TAXIS   | Lianos, A., 36 Cross St., Double Bay   | 107412  | Premise Match       | 91m                       | West       |
| CUTLERY IMPORTERS &/OR WHOLESALERS                              | York Distributing Co., 36 Cross St., Double Bay  | 29788   | Premise Match       | 91m                       | West       |
| CLOTHING MANUFACTURERS &/OR WHOLESALERS-LADIES' DRESSES & GOWNS | Bondy, C. M., 414 New South Head Rd., Double Bay   | 23226   | Premise Match       | 92m                       | South East |
| GROCERS-RETAIL  | Brown, R. N., 414 New South Head Rd., Double Bay   | 56576   | Premise Match       | 92m                       | South East |
| DELICATESSENS & SMALLGOODS DEALERS                              | Tasty Foods (R. N. Brown, Propr.), 414 New South Head Rd., Double Bay  | 31290   | Premise Match       | 92m                       | South East |
| MOTOR SERVICE STATIONS-PETROL, Etc.                             | Le Quesne, S., 424 New South Head Rd., Double Bay  | 86133   | Premise Match       | 111m                      | South East |
| MOTOR SERVICE STATIONS-PETROL, Etc.                             | Pavallon Service Station (M. M. King, Propr.), 424 New South Head Rd., Double Bay  | 86276   | Premise Match       | 111m                      | South East |
| FLORISTS-RETAIL   | Jane Ann, 426 New South Head Rd., Double Bay   | 45981   | Premise Match       | 113m                      | South East |
| CHEMISTS-PHARMACEUTICAL   | Hallam Pty. Ltd. 432 New South Head Rd., Double Bay  | 21598   | Premise Match       | 114m                      | East       |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS                         | Smart Set Salon, 430 New South Head Rd., Double Bay  | 7806    | Premise Match       | 114m                      | East       |
| GROCERS-RETAIL  | Stewart and Tarrant, 57 Bay St., Double Bay  | 55781   | Premise Match       | 114m                      | North West |
| DELICATESSENS & SMALLGOODS DEALERS                              | Corner, K. E. C., 434 New South Head Rd., Double Bay   | 30369   | Premise Match       | 115m                      | East       |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS                         | Cordiner, Mrs. E. M., 436 New South Head Rd., Double Bay   | 7006    | Premise Match       | 116m                      | East       |
| BANKS   | Bank of N.S.W., 382 New South Head Rd., Double Bay   | 5686    | Premise Match       | 118m                      | South      |
| DELICATESSENS & SMALLGOODS DEALERS                              | Linke, G. A., 376 New South Head Rd., Double Bay   | 30780   | Premise Match       | 118m                      | South      |
| CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.                          | Prunier Continental Restaurant, 440 New South Head Rd., Double Bay   | 15906   | Premise Match       | 120m                      | East       |
| RESTAURANTS, Etc.   | Prunier Continental Restaurant, 440 New South Head Rd., Double Bay   | 99499   | Premise Match       | 120m                      | East       |
| PHYSICAL CULTURE TEACHERS & GYMNASIUMS                          | Remedial Course of Physical Improvement, 442 New South Head Rd., Double Bay  | 92205   | Premise Match       | 123m                      | East       |
| LINGERIE & HOSIERY SPECIALISTS                                  | Ryder, D., 453 New South Head Rd., Double Bay  | 69541   | Premise Match       | 129m                      | South East |
| CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.                          | George's, 455 New South Head Rd., Double Bay   | 15502   | Premise Match       | 129m                      | South East |
| PAINT, VARNISH, OILS & COLOUR MERCHANTS                         | Epstein and Co. Pty. Ltd., 244 Marrickville Rd., Marrickville; 495-463 New South Head Rd., Double Bay                          | 90754   | Premise Match       | 130m                      | South East |
| HARDWARE DEALERS &/OR IRONMONGERS                               | Epstein and Co. Pty. Ltd., 244 Marrickville Rd., Marrickville; 495-463 New South Head Rd., Double Bay                          | 61007   | Premise Match       | 130m                      | South East |
| BUILDERS' SUPPLIERS   | Epstein and Co. Pty. Ltd., 495-463 New South Head Rd., Double Bay  | 11767   | Premise Match       | 130m                      | South East |

| Business Activity  | Premise   | Ref No. | Location Confidence | Distance to Feature Point | Direction  |
|--|---|---------|---------------------|---------------------------|------------|
| POULTRY DEALERS-RETAIL   | Vinson, M., 374 New South Head Rd., Double Bay  | 93811   | Premise Match       | 130m                      | South West |
| TOOL DEALERS-RETAIL  | Epstein and Co. Pty. Ltd., 244 Marrickville Rd., Marrickville; 463-465 New South Head Rd., Double Bay | 109011  | Premise Match       | 131m                      | South East |
| GARDEN SUPPLIES-RETAIL   | Epstein and Co. Pty. Ltd., 244 Marrickville Rd., Marrickville; 463-495 New South Head Rd., Double Bay | 53972   | Premise Match       | 131m                      | South East |
| GARDEN SUPPLIES-RETAIL   | Epstein and Co. Pty. Ltd., 244 Marrickville Rd., Marrickville; 463-495 New South Head Rd., Double Bay | 53973   | Premise Match       | 131m                      | South East |
| GARDEN SUPPLIES-RETAIL   | Epstein and Co. Pty. Ltd., 244 Marrickville Rd., Marrickville; 463-495 New South Head Rd., Double Bay | 53974   | Premise Match       | 131m                      | South East |
| GARDEN SUPPLIES-RETAIL   | Epstein and Co. Pty. Ltd., 244 Marrickville Rd., Marrickville; 463-495 New South Head Rd., Double Bay | 53975   | Premise Match       | 131m                      | South East |
| MOTOR GARAGES &/OR ENGINEERS                                       | Double Bay Garage, 441 New South Head Rd., Double Bay   | 83691   | Premise Match       | 133m                      | South      |
| GROCERS-RETAIL   | G. and G. Stores Pty. Ltd., 467 New South Head Rd., Double Bay  | 57404   | Premise Match       | 133m                      | South East |
| BUTCHERS-RETAIL  | Double Bay Meat Co., 372 New South Head Rd., Double Bay   | 13390   | Premise Match       | 134m                      | South West |
| EXPORT QUALITY BUTCHER   | Harford, C. & Co., 372 New South Head Rd., Double Bay   | 42698   | Premise Match       | 134m                      | South West |
| BUTCHERS-RETAIL  | Harford. C. and Co., 372 New South Head Rd., Double Bay   | 13622   | Premise Match       | 134m                      | South West |
| CHINA, CROCKERY, GLASSWARE, CRYSTAL, EARTHENWARE & CUTLERY DEALERS | Gilmores, 439 New South Head Rd., Double Bay  | 22367   | Premise Match       | 135m                      | South      |
| JEWELLERS-RETAIL &/OR WATCHMAKERS                                  | Gilmore's, 439 New South Head Rd., Double Bay   | 66116   | Premise Match       | 135m                      | South      |
| ANTIQUA DEALERS  | Gilmores Art Shop, 439 New South Head Rd., Double Bay; Loftus St.                                     | 1847    | Premise Match       | 135m                      | South      |
| FURNITURE-HOUSEHOLD-RETAILERS                                      | Gilmores, 439 New South Head Rd., Double Bay  | 53487   | Premise Match       | 135m                      | South      |
| LIBRARIES-LENDING  | Clemle's Library, 437 New South Head Rd., Double Bay  | 68579   | Premise Match       | 136m                      | South      |
| BUTCHERS-RETAIL  | Riverstone Butchering Co., 435 New South Head Rd., Double Bay   | 14217   | Premise Match       | 138m                      | South      |
| CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.                             | 'Harmans Cafe', 370 New South Head Rd., Double Bay  | 15105   | Premise Match       | 139m                      | South West |
| FISH MERCHANTS-RETAIL  | Harmans Fish Cafe, 370 New South Head Rd., Double Bay   | 44365   | Premise Match       | 139m                      | South West |
| CARRIERS & CARTAGE CONTRACTORS                                     | Williams, R. K., 458 New South Head Rd., Double Bay   | 20067   | Premise Match       | 143m                      | East       |
| REAL ESTATE AGENTS   | Walker, Colin and Gordon, 469 New South Head Rd., Double Bay  | 98924   | Premise Match       | 143m                      | South East |
| FRUITERERS & GREENGROCERS  | Pittorino, C., 473 New South Head Rd., Double Bay   | 50960   | Premise Match       | 144m                      | South East |
| FRUITERERS & GREENGROCERS  | Guiliano, A., 368 New South Head Rd., Double Bay  | 50242   | Premise Match       | 144m                      | South West |
| MILK BARS & CONFECTIONERS  | Auerbach, J, Cnr. Cross and Bay Sis., Double Bay  | 76297   | Road Intersection   | 145m                      | West       |
| FRUITERERS & GREENGROCERS  | Butta and Pittoreno, Cnr. Bay and Cross Sts., Double Bay  | 49710   | Road Intersection   | 145m                      | West       |
| PUBLIC ADDRESS SYSTEM MANUFACTURERS &/OR DISTRIBUTORS              | White, H. F., 55 William St., Double Bay  | 96016   | Premise Match       | 146m                      | North East |
| FROCK & COAT SALONS  | Rachel (The), 366 New South Head Rd., Double Bay  | 48855   | Premise Match       | 149m                      | South West |
| FRUITERERS & GREENGROCERS  | Giuliano, A., 366 New South Head Rd., Double Bay  | 50184   | Premise Match       | 149m                      | South West |
| MILLINERY-RETAIL   | 'Cronlin' (N. Cronlin, Proprss), 481a New South Head Rd., Double Bay                                  | 78528   | Premise Match       | 150m                      | South East |
| DRESSMAKERS & COSTUMIERS   | Model Gowns, 481a New South Head Rd., Double Bay  | 34658   | Premise Match       | 150m                      | South East |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 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:

| Business Activity                         | Premise  | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|---|--|---------|---------------------|-----------------------------------|
| FLATS, RESIDENTIALS, Etc.                 | Heath Court, Cross St., Double Bay   | 45171   | Road Match          | 0m                                |
| ENGINEERS-CONSULTING                      | Macdonald, H. A., 31 Cross St., Double Bay   | 40050   | Road Match          | 0m                                |
| FROCK & COAT SALONS                       | Ann's Knitwear, 303 New South Head Rd., Double Bay   | 48239   | Road Match          | 83m                               |
| GROCERS-RETAIL                            | Collins, S. W., New South Head Rd., Double Bay   | 56903   | Road Match          | 83m                               |
| BANKS                                     | Commercial Banking Co. of Sydney Ltd., New South Head Rd., Double Bay  | 5819    | Road Match          | 83m                               |
| PICTURE THEATRES-SUBURBAN                 | Double Bay Hoyts, New South Head Rd., Double Bay   | 92787   | Road Match          | 83m                               |
| CHEMISTS-PHARMACEUTICAL                   | Edgecliff Pharmacy Ltd., 258 New South Head Rd., Edgecliff   | 21492   | Road Match          | 83m                               |
| HOTELS-LICENSED                           | Golden Sheaf Hotel, New South Head Rd., Double Bay   | 63095   | Road Match          | 83m                               |
| NEWSAGENTS                                | Herford, New South Head Rd., Double Bay  | 88048   | Road Match          | 83m                               |
| MOTOR GARAGES &/OR ENGINEERS              | Holmes Garage, 242-244 New South Head Rd., Edgecliff   | 83880   | Road Match          | 83m                               |
| MANUFACTURERS' AGENTS                     | Fletcher, A., Knox St., Double Bay   | 71139   | Road Match          | 87m                               |
| AUCTIONEERS-GENERAL                       | Hotchkiss, A., Knox St., Double Bay  | 4094    | Road Match          | 87m                               |
| TOY MANUFACTURERS                         | Belden Pty. Ltd., Beach St., Double Bay  | 109746  | Road Match          | 118m                              |
| BOATS, LAUNCHES & YACHTS-FOR HIRE         | Robertson and Lees, Beach St., Double Bay  | 8957    | Road Match          | 118m                              |
| HALLS                                     | Double Bay Masonic Hall, Kiora Rd., Double Bay   | 60326   | Road Match          | 119m                              |
| LAUNDRIES                                 | Federal Laundry Co., Klor-a Rd., Double Bay  | 67622   | Road Match          | 119m                              |
| DRY CLEANERS, PRESSERS & DYERS            | Federal Laundry Co., Klor-a Rd., Double Bay  | 35233   | Road Match          | 119m                              |
| MOTOR GARAGES &/OR ENGINEERS              | Bay St, Garage (L. Chang), Double Bay  | 83428   | Road Match          | 132m                              |
| BOAT, LAUNCH & YACHT BUILDERS & REPAIRERS | Ireland Boats (R. M. Stewart), Bay St., Double Bay   | 8781    | Road Match          | 132m                              |
| BOATS, LAUNCHES & YACHTS-FOR HIRE         | Ireland Boats (R. M. Stewart), Bay St., Double Bay   | 8914    | Road Match          | 132m                              |
| UPHOLSTERERS                              | Fox's Upholstery, 7 Short St., Double Bay  | 111184  | Road Match          | 145m                              |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS   | Bellevue Beauty Salon, Bellevue Rd., Bellevue Hill   | 6879    | Road Match          | 146m                              |
| BANKS                                     | Commonwealth Bank of Australia and Commonwealth Savings Bank of Australia, 11 Barrack St.; Bellevue Rd., Bellevue Hill | 5826    | Road Match          | 146m                              |
| BEAUTY SALONS &/OR LADIES' HAIRDRESSERS   | Henrietta, la Bellevue Rd., Bellevue Hill  | 7254    | Road Match          | 146m                              |
| DELICATESSENS & SMALLGOODS DEALERS        | Lewln and Ert, 14 Bellevue Rd., Bellevue Hill  | 30776   | Road Match          | 146m                              |
| GROCERS-RETAIL                            | Lewln and Ert, 14 Bellevue Rd., Bellevue Hill  | 58104   | Road Match          | 146m                              |
| DRY CLEANERS, PRESSERS & DYERS            | McQuillan, Miss, 985 Bellevue Rd., Bellevue Hill   | 35520   | Road Match          | 146m                              |
| GROCERS-RETAIL                            | Meizer, J. H., Bellevue Rd., Bellevue Hill   | 58371   | Road Match          | 146m                              |
| DELICATESSENS & SMALLGOODS DEALERS        | Melzer, J. H., Bellevue Rd., Bellevue Hill   | 30885   | Road Match          | 146m                              |
| ASSOCIATIONS & SOCIETIES                  | N.S.W. Amateur Boxing and Wrestling Ass'n, Bellevue Rd., Double Bay  | 3655    | Road Match          | 146m                              |

| Business Activity              | Premise   | Ref No. | Location Confidence | Distance to Road Corridor or Area |
|--------------------------------|---|---------|---------------------|-----------------------------------|
| CHEMISTS-PHARMACEUTICAL        | Smith, E. D., 4 Bellevue Rd., Bellevue Hill           | 22036   | Road Match          | 146m                              |
| DRY CLEANERS, PRESSERS & DYERS | Tasman Dry Cleaners. 6 Bellevue Rd. Bellevue Hill     | 35764   | Road Match          | 146m                              |
| CAKE SHOPS & PASTRYCOOKS       | Taylor, W. J. and N., 981 Bellevue Rd., Bellevue Hill | 17299   | Road Match          | 146m                              |
| GROCERS-RETAIL                 | Hall, A. W., 3 Kiora Lane, Double Bay                 | 57648   | Road Match          | 147m                              |
| ELECTROPLATERS                 | S.T. Electroplating Works, 393 Kiora Lane, Double Bay | 39261   | Road Match          | 147m                              |
| ELECTROPLATERS                 | St. Electroplating works 393 Kia-ora Lane, Double Bay | 39270   | Road Match          | 147m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

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

| Business Activity   | Premise  | Ref No. | Year | Location Confidence | Distance to Feature Point | Direction  |
|---|--|---------|------|---------------------|---------------------------|------------|
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Double Bay Auto Port. 20 Cross St., Double Bay                         | 49907   | 1978 | Premise Match       | 30m                       | South West |
| MOTOR GARAGES &/OR ENGINEERS.                               | Double Bay Auto Port, 20 Cross St, Double Bay.                         | 58766   | 1975 | Premise Match       | 30m                       | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | Double Bay Auto Port,20 Cross St.DOUBLE BAY                            | 337689  | 1970 | Premise Match       | 30m                       | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | Mark,B. E.,20 Cross St. DOUBLE BAY                                     | 338205  | 1970 | Premise Match       | 30m                       | South West |
| Motor Garages & Engineers - Double Bay                      | Double Bay Auto Port, 20 Cross St.                                     | 122536  | 1965 | Premise Match       | 30m                       | South West |
| DRY CLEANERS & PRESSERS.                                    | Jules, Village Centre, 15 Cross St., Double Bay.                       | 25356   | 1986 | Premise Match       | 33m                       | South East |
| DRY CLEANERS & PRESSERS. (D8500)                            | Jeeves, Village Centre, 15 Cross St., Double Bay. 2028.                | 23878   | 1982 | Premise Match       | 33m                       | South East |
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Florida Perclean, 10 Cross St., Double Bay.                            | 24041   | 1975 | Premise Match       | 34m                       | South      |
| DRY CLEANERS,PRESSERS/DYERS (D710)                          | Florida Perclean,2 Harris Arc.,10-12 Cross St.,Double Bay              | 292301  | 1970 | Premise Match       | 34m                       | South      |
| Dry Cleaners, Pressers/Dyers                                | Florida Perclean, 2 Harris Arc., 10-12 Cross St., Double Bay           | 76160   | 1965 | Premise Match       | 34m                       | South      |
| Dry Cleaners, Pressers/Dyers                                | Jeeves (1938) Pty. Ltd., 9/12 Harris Arc., 10-12 Cross St., Double Bay | 76206   | 1965 | Premise Match       | 34m                       | South      |
| DRY CLEANERS & PRESSERS.                                    | Florida Dry Cleaners, 10 Cross St., Double Bay.                        | 25307   | 1986 | Premise Match       | 35m                       | South      |
| DRY CLEANERS & PRESSERS. (D8500)                            | Florida Perckan, 10 Cross St., Double Bay. 2028.                       | 23840   | 1982 | Premise Match       | 35m                       | South      |
| DRY CLEANERS, PRESSERS &/OR DYERS                           | Florida Perdean, 10 Cross St., Double Bay.                             | 20780   | 1978 | Premise Match       | 35m                       | South      |
| DRY CLEANERS, PRESSERS / DYERS                              | Maurice Dry Cleaners, 2a Cross St., Double Bay                         | 299185  | 1961 | Premise Match       | 46m                       | South East |
| DRY CLEANERS,PRESSERS/DYERS (D710)                          | Nu-Clear Laundrette & Dry Cleaners,21 Knox St.,Double Bay              | 292429  | 1970 | Premise Match       | 80m                       | South West |
| Dry Cleaners, Pressers/Dyers                                | Nu-Clear Laundrette & Dry Cleaners, 21 Knox St., Double Bay            | 76265   | 1965 | Premise Match       | 81m                       | South West |
| MOTOR GARAGES & SERVICE STATIONS.                           | BP Double Bay, 424 New South Head Rd., Double Bay.                     | 64132   | 1986 | Premise Match       | 111m                      | South East |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | Pavilion Service Station, 424 New South Head Rd., Double Bay.2028.     | 57365   | 1982 | Premise Match       | 111m                      | South East |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Pavilion Service Station, 424 New South Head Rd., Double Bay.          | 50655   | 1978 | Premise Match       | 111m                      | South East |
| MOTOR SERVICE STATIONS - PETROL, OIL                        | Pavilion Service Station, 424 New South Head Rd., Oouble Bay.          | 61897   | 1975 | Premise Match       | 111m                      | South East |
| MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)               | Pavilion Service Station,424 New South Head Rd.DOUBLE BAY              | 341388  | 1970 | Premise Match       | 111m                      | South East |
| Motor Garages & Engineers - Double Bay                      | Pavillion Service Station, 424 New South Head Rd.                      | 122539  | 1965 | Premise Match       | 111m                      | South East |
| MOTOR SERVICE STATIONS—PETROL, OIL, Etc.                    | Pavillion Service Station, 424 New South Head Rd. Double Bay           | 350948  | 1961 | Premise Match       | 111m                      | South East |



| Business Activity                                   | Premise   | Ref No. | Year | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|------|---------------------|---------------------------|------------|
| MOTOR SERVICE STATIONS-PETROL, Etc.                 | Le Quesne, S., 424 New South Head Rd., Double Bay                                 | 86133   | 1950 | Premise Match       | 111m                      | South East |
| MOTOR SERVICE STATIONS-PETROL, Etc.                 | Pavillon Service Station (M. M. King, Propr.), 424 New South Head Rd.. Double Bay | 86276   | 1950 | Premise Match       | 111m                      | South East |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. | Double Bay Garage, 55 Bay St., Double Bay.  | 49908   | 1978 | Premise Match       | 119m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS.                       | Double Bay Garage, 55 Bay St., Double Bay.  | 58767   | 1975 | Premise Match       | 119m                      | West       |
| MOTOR GARAGES & ENGINEERS(M6S6)                     | Double Bay Garage,55 Bay St.,DOUBLE BAY   | 337690  | 1970 | Premise Match       | 119m                      | West       |
| Motor Garages & Engineers - Double Bay              | Double Bay Garage, 55 Bay St.,  | 122537  | 1965 | Premise Match       | 119m                      | West       |
| MOTOR GARAGES & ENGINEERS                           | Double Bay Garage, 55 Bay St., DOUBLE BAY   | 347060  | 1961 | Premise Match       | 119m                      | West       |
| Motor Garages & Engineers - Double Bay              | Dickinson, W. H. Pty. Ltd., 45 Bay St.  | 122535  | 1965 | Premise Match       | 132m                      | West       |
| MOTOR GARAGES & ENGINEERS                           | Dickinson, W. H. Pty. Ltd., 45 Bay St., DOUBLE BAY                                | 347051  | 1961 | Premise Match       | 132m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS                        | Double Bay Garage, 441 New South Head Rd., Double Bay                             | 83691   | 1950 | Premise Match       | 133m                      | South      |
| MOTOR GARAGES & ENGINEERS(M6S6)                     | Bayview Service Station, Cnr. Bay & Cross Sts. DOUBLE BAY                         | 337276  | 1970 | Road Intersection   | 144m                      | West       |
| Motor Garages & Engineers - Double Bay              | Bayview Service Station, Cnr. Bay & Cross Sts.                                    | 122532  | 1965 | Road Intersection   | 144m                      | West       |
| DRY CLEANERS,PRESSERS/DYERS (D710)                  | Parisienne Dry Cleaner,413 New South Head Rd.,DoubleBay                           | 292444  | 1970 | Premise Match       | 160m                      | South      |
| DRY CLEANERS,PRESSERS/DYERS (D710)                  | Luxwell Dry Cleaners,411-413 New South Head Rd.,DoubleBay                         | 292383  | 1970 | Premise Match       | 162m                      | South      |
| DRY CLEANERS, PRESSERS&/OR DYERS.                   | V.I.P. Dry Cleaners, 411a New South Head Rd., Double Bay                          | 24390   | 1975 | Premise Match       | 163m                      | South      |
| DRY CLEANERS,PRESSERS/DYERS (D710)                  | Apex Dry Cleaners,411a New South Head Rd.,Double Bay                              | 292180  | 1970 | Premise Match       | 163m                      | South      |
| Dry Cleaners, Pressers/Dyers                        | Apex Dry Cleaners, 411a New South Head Rd., Double Bay                            | 76067   | 1965 | Premise Match       | 163m                      | South      |
| Dry Cleaners, Pressers/Dyers                        | Luxwell Dry Cleaners, 411-413 New South Head Rd., Double Bay                      | 76232   | 1965 | Premise Match       | 165m                      | South      |
| DRY CLEANERS, PRESSERS / DYERS                      | Apex Dry Cleaners, 411a New South Head Rd.. Double Bay                            | 299034  | 1961 | Premise Match       | 165m                      | South      |
| DRY CLEANERS, PRESSERS / DYERS                      | Luxwell Dry Cleaners, 411a New South Head Rd., Double Bay                         | 299169  | 1961 | Premise Match       | 165m                      | South      |
| DRY CLEANERS & PRESSERS.                            | Laundromat, The, 401 New South Head Rd., Double Bay.                              | 25364   | 1986 | Premise Match       | 181m                      | South      |
| DRY CLEANERS & PRESSERS.                            | Lawrence, 401 New South Head Rd., Double Bay.                                     | 25366   | 1986 | Premise Match       | 181m                      | South      |
| DRY CLEANERS & PRESSERS. (D8500)                    | Laundromat, The, 401 New South Head Rd., Double Bay. 2028.                        | 23893   | 1982 | Premise Match       | 181m                      | South      |
| DRY CLEANERS & PRESSERS. (D8500)                    | Lawrence. 401 New South Head Rd., Double Bay. 2028.                               | 23895   | 1982 | Premise Match       | 181m                      | South      |
| MOTOR GARAGES &/OR ENGINEERS                        | Bay Street Garage, 39 Bay St., Double Bay   | 83429   | 1950 | Premise Match       | 182m                      | South West |
| DRY CLEANERS, PRESSERS & DYERS                      | Tasman Dry Cleaners. 344 New South Head Rd., Double Bay                           | 35762   | 1950 | Premise Match       | 186m                      | South West |
| DRY CLEANERS & PRESSERS.                            | Maurice Dry Cleaners, 37A Bay St., Double Bay.                                    | 25436   | 1986 | Premise Match       | 191m                      | South West |
| DRY CLEANERS, PRESSERS & DYERS                      | Costican (Agent), 336 New South Head Rd., Rose Bay                                | 35169   | 1950 | Premise Match       | 201m                      | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)                     | Cross Lane Garage,Rear 484 New South Head Rd.DOUBLE BAY                           | 337642  | 1970 | Premise Match       | 202m                      | East       |
| Motor Garages & Engineers - Double Bay              | Cross Lane Garage, Rear 484 New South Head Rd.                                    | 122534  | 1965 | Premise Match       | 202m                      | East       |
| MOTOR GARAGES & ENGINEERS                           | Cross Lane Garage, 484 Cross La. DOUBLE BAY                                       | 346982  | 1961 | Premise Match       | 202m                      | East       |
| DRY CLEANERS, PRESSERS & DYERS                      | Maurice Valet Service Pty. Ltd. 334 New South Head Rd., Double Bay                | 35513   | 1950 | Premise Match       | 205m                      | South West |

| Business Activity   | Premise   | Ref No. | Year | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|------|---------------------|---------------------------|------------|
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Maurice Valet Service Dry Cleaners Pty. Ltd., 27 Bay St., Double Bay. | 24211   | 1975 | Premise Match       | 211m                      | South West |
| DRY CLEANERS,PRESSERS/DYERS (D710)                          | Maurice Valet Service Pty.Ltd.,27 Bay St.,Double Bay                  | 292401  | 1970 | Premise Match       | 211m                      | South West |
| Dry Cleaners, Pressers/Dyers                                | Maurice Valet Service Pty. Ltd., 27 Bay St., Double Bay               | 76246   | 1965 | Premise Match       | 211m                      | South West |
| DRY CLEANERS, PRESSERS / DYERS                              | Maurice Valet Service Pty. Ltd., 27 Bay St., Double Bay               | 299186  | 1961 | Premise Match       | 211m                      | South West |
| DRY CLEANERS, PRESSERS & DYERS                              | Maurice Valet Service Pty. Ltd., 27 Bay St., Double Bay               | 35512   | 1950 | Premise Match       | 211m                      | South West |
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Weldon Dry Cleaners, 1c Manning Rd., Double Bay.                      | 24408   | 1975 | Road Intersection   | 272m                      | South West |
| DRY CLEANERS, PRESSERS & DYERS                              | Trilon Dry Cleaners, 359 South Head Rd., Double Bay                   | 35796   | 1950 | Premise Match       | 282m                      | South West |
| DRY CLEANERS, PRESSERS &/OR DYERS                           | Lawrence Dry Cleaners, 363 New South Head Rd., Double Bay.            | 20846   | 1978 | Premise Match       | 284m                      | South West |
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Lawrence Dry Cleaners, 363 New South Head Rd., Double Bay.            | 24149   | 1975 | Road Intersection   | 284m                      | South West |
| DRY CLEANERS,PRESSERS/DYERS (D710)                          | Weldon Dry Cleaners, 1c Manning Rd., Double Bay                       | 292574  | 1970 | Premise Match       | 289m                      | South West |
| DRY CLEANERS, PRESSERS & DYERS                              | Jeeves (1938) Pty. Ltd Cnr. Bay Rd. and New South Head Rd, Double Bay | 35313   | 1950 | Road Intersection   | 304m                      | South West |
| MOTOR GARAGES & ENGINEERS                                   | Nield, J. R., 14 Leura St. Double Bay                                 | 347791  | 1961 | Premise Match       | 332m                      | South East |
| MOTOR GARAGES &/OR ENGINEERS                                | Nield, J. R., 14 Leura St., Double Bay                                | 84140   | 1950 | Premise Match       | 332m                      | South East |
| MOTOR GARAGES & SERVICE STATIONS.                           | Sanderson Motors, 244 New South Head Rd., Edgecliff.                  | 65391   | 1986 | Premise Match       | 543m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | Sanderson Motors, 244 New South Head Rd., Edgecliff. 2027.            | 57520   | 1982 | Premise Match       | 543m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Holmes Garage, 244 New South Head Rd., Edgecliff.                     | 50256   | 1978 | Premise Match       | 543m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS.                               | Holmes Garage Pty. Ltd., 244 New South Head Rd., Edgecliff.           | 59053   | 1975 | Premise Match       | 543m                      | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | Holmes Garage,244 New South Head Rd.EDGECLIFF                         | 338018  | 1970 | Premise Match       | 543m                      | South West |
| MOTOR SERVICE STATIONS- PETROL, Etc.                        | Holmes Garage, 244 New South Head Rd., Edgecliff                      | 86063   | 1950 | Premise Match       | 543m                      | South West |
| Motor Garages & Engineers - Edgecliff                       | Holmes Garage, 244 New South Head Rd.                                 | 122599  | 1965 | Premise Match       | 545m                      | South West |
| MOTOR GARAGES & ENGINEERS                                   | Holmes' Garage, 242-244 New South Head Rd.                            | 347387  | 1961 | Premise Match       | 545m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS                                | Gaston, Nell and Co., 2 Ocean Ave., Edgecliff                         | 83788   | 1950 | Premise Match       | 561m                      | South West |
| MOTOR GARAGES & ENGINEERS                                   | Gaston, Nell & Co., 2 Ocean Ave. EDGECLIFF                            | 347204  | 1961 | Premise Match       | 572m                      | West       |
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Trilon-Roylon-Trilon Dry Cleaners, 285 New South Head Edgecliff,      | 24386   | 1975 | Premise Match       | 632m                      | South West |
| MOTOR SERVICE STATIONS - PETROL, OIL                        | Tylers Auto Service Pty. Ltd., 186 Ocean St., Edgecliff.              | 62019   | 1975 | Premise Match       | 647m                      | South West |
| DRY CLEANERS, PRESSERS & DYERS                              | Emmons, F. J., 202 Ocean St., Edgecliff                               | 35221   | 1950 | Premise Match       | 664m                      | South West |
| MOTOR SERVICE STATIONS- PETROL, Etc.                        | Sayers Edgecliff Garage, 251 New South Head Rd., Edgecliff            | 86370   | 1950 | Premise Match       | 666m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS                                | Sayers Edgecliff Garage, 251 New South Head Rd., Edgecliff            | 84343   | 1950 | Premise Match       | 666m                      | South West |
| DRY CLEANERS, PRESSERS & DYERS                              | Alphonse Even Pty. Ltd. 259 New South Head Rd., Edgecliff             | 35057   | 1950 | Premise Match       | 677m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Tylers Auto Service Pty. Ltd., 186 Ocean St., Edgecliff.              | 51027   | 1978 | Premise Match       | 678m                      | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | General Motor Garage (The),186 Ocean St.EDGECLIFF                     | 337855  | 1970 | Premise Match       | 678m                      | South West |
| Motor Garages & Engineers - Edgecliff                       | General Motor Garage (The), 186 Ocean St. Edgecliff                   | 122598  | 1965 | Premise Match       | 678m                      | South West |

| Business Activity   | Premise   | Ref No. | Year | Location Confidence | Distance to Feature Point | Direction  |
|---|---|---------|------|---------------------|---------------------------|------------|
| BATTERY SERVICE STATIONS                                    | General Motor Garage (The), 186 Ocean St., Edgecliff                                    | 272028  | 1961 | Premise Match       | 678m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Edgecliff Service Station, 251 New South Head Rd., Edgecliff.                           | 49935   | 1978 | Premise Match       | 679m                      | South West |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | Edgecliff Service Station,251 New South Head Rd.EDGECLIFF                               | 337719  | 1970 | Premise Match       | 679m                      | South West |
| MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)               | Esso Servicenter,251 New South Head Rd.EDGECLIFF  | 341065  | 1970 | Premise Match       | 679m                      | South West |
| Motor Garages & Engineers - Edgecliff                       | Edgecliff Service Station, 251 New South Head Rd.                                       | 122597  | 1965 | Premise Match       | 679m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS                                | General Motor, 186 Ocean St., Edgecliff   | 83791   | 1950 | Premise Match       | 680m                      | South West |
| MOTOR SERVICE STATIONS-PETROL, Etc.                         | General Motor, 186 Ocean St., Edged iff   | 85987   | 1950 | Premise Match       | 680m                      | South West |
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Westley Dry Cleaner, 178 New South Head Rd., Edgecliff.                                 | 24424   | 1975 | Premise Match       | 691m                      | West       |
| DRY CLEANERS,PRESSERS/DYERS (D710)                          | Normals Dry Cleaner,178 New South Head Rd.,Edgecliff                                    | 292424  | 1970 | Premise Match       | 696m                      | West       |
| MOTOR GARAGES & ENGINEERS                                   | Waverley Autos, 18 Victoria Rd. Waverley  | 348410  | 1961 | Premise Match       | 702m                      | North East |
| DRY CLEANERS, PRESSERS & DYERS                              | Trilon Dry Cleaners, 285 New South Head Rd., Double Bay                                 | 35792   | 1950 | Premise Match       | 703m                      | South West |
| MOTOR GARAGES &/OR ENGINEERS.                               | Edgecliff Service Station, 251 New South Head Rd., Edgediff.                            | 58794   | 1975 | Premise Match       | 717m                      | South West |
| MOTOR SERVICE STATIONS—PETROL, OIL, Etc.                    | Edgecliff Service Station, 251 New South Head Rd. EDGECLIFF                             | 350555  | 1961 | Premise Match       | 717m                      | South West |
| MOTOR GARAGES & ENGINEERS                                   | Edgecliff Service Station, 251 New South Head Rd., EDGECLIFF                            | 347087  | 1961 | Premise Match       | 717m                      | South West |
| Dry Cleaners, Pressers/Dyers                                | Trilon-Roylon-Trilori Dry Cleaners, 285 New South Head Rd., Edgecliff (& Kings Cross)   | 76366   | 1965 | Premise Match       | 728m                      | South West |
| DRY CLEANERS & PRESSERS.                                    | Golden Dry Cleaners, 118 Edgecliff Shopping Centre, New South Head Rd., Edgecliff.      | 25321   | 1986 | Premise Match       | 778m                      | South West |
| DRY CLEANERS & PRESSERS. (D8500)                            | Golden Dry Cleaners, 11B Edgecliff Shopping Centre, New SouthHead Rd., Edgecliff. 2027. | 23853   | 1982 | Premise Match       | 778m                      | South West |
| MOTOR GARAGES & ENGINEERS                                   | Darling Point Motors, 130 New South Head Rd. EDGECLIFF                                  | 347014  | 1961 | Premise Match       | 811m                      | West       |
| MOTOR GARAGES & ENGINEERS                                   | Jents, C., 130 New South Head Rd. DARLING POINT   | 347456  | 1961 | Premise Match       | 811m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS                                | Darling Point Motors, 130 New South Head Rd., Edgecliff                                 | 83665   | 1950 | Premise Match       | 811m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS                                | Jents, C., 130 New South Head Rd., Darling Point  | 83926   | 1950 | Premise Match       | 811m                      | West       |
| DRY CLEANERS, PRESSERS / DYERS                              | Ambassador Dry Cleaning Co. (The), 72 New South Head Rd., Edgecliff                     | 299028  | 1961 | Premise Match       | 845m                      | West       |
| DRY CLEANERS, PRESSERS & DYERS                              | Ambassador Dry Cleaning Co., 72 New South Head Rd., Edgecliff                           | 35067   | 1950 | Premise Match       | 845m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | McMorrow, E. & Son, 157 New South Head Rd., Edgecliff. 2027.                            | 57123   | 1982 | Premise Match       | 882m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | McMorrow, E. & Son, 157 New South Head Rd., Edgecliff.                                  | 50469   | 1978 | Premise Match       | 882m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS.                               | McMorrow. E. & Son, 157 New South Head Rd., Edgecliff.                                  | 59230   | 1975 | Premise Match       | 882m                      | West       |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | McMorrow,E.,157 New South Head Rd.EDGECLIFF   | 338241  | 1970 | Premise Match       | 882m                      | West       |
| Motor Garages & Engineers - Edgecliff                       | McMorrow, E., 157 New South Head Rd.  | 122600  | 1965 | Premise Match       | 882m                      | West       |
| MOTOR GARAGES & ENGINEERS                                   | McMorrow, E., 157 New South Head Rd. EDGECLIFF  | 347691  | 1961 | Premise Match       | 882m                      | West       |
| MOTOR GARAGES &/OR ENGINEERS                                | McMorrow, E.. 157-161 New South Head Rd., Darling Point                                 | 84075   | 1950 | Premise Match       | 886m                      | West       |
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Lawrence Dry Cleaning Co., 72 New South Head Rd., Edgecliff.                            | 24156   | 1975 | Road Intersection   | 903m                      | West       |
| MOTOR GARAGES & SERVICE STATIONS.                           | Pate & Vernoooy Automotive Pty. Ltd., 1 New Beach Rd., Rushcutters Bay.                 | 65243   | 1986 | Premise Match       | 906m                      | West       |

| Business Activity   | Premise  | Ref No. | Year | Location Confidence | Distance to Feature Point | Direction |
|---|--|---------|------|---------------------|---------------------------|-----------|
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | Pate & Vernoooy Automotive Pty. Ltd., 1 New Beach RdRushcutters Bay. 2011. | 57360   | 1982 | Premise Match       | 906m                      | West      |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Rushcutter Automotive, 1 New Beach Rd., Rushcutters Bay.                   | 50784   | 1978 | Premise Match       | 906m                      | West      |
| MOTOR GARAGES &/OR ENGINEERS.                               | Rushcutter Automotive, 1 New Beach Rd. Rushcutters Bay.                    | 59499   | 1975 | Premise Match       | 906m                      | West      |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | Rushcutter Automotive, 1 New Beach Rd.EDGECLIFF                            | 338557  | 1970 | Premise Match       | 906m                      | West      |
| Motor Garages & Engineers - Edgecliff                       | Tyler's Auto Service Pty. Ltd., 1 New Beach Rd.                            | 122601  | 1965 | Premise Match       | 906m                      | West      |
| MOTOR SERVICE STATIONS—PETROL, OIL, Etc.                    | Tyler's Auto Centre, 1 New Beach Rd.                                       | 351235  | 1961 | Premise Match       | 906m                      | West      |
| MOTOR GARAGES & ENGINEERS                                   | Tyler's Auto Service, 1 New Beach Rd., ELIZABETH BAY                       | 348336  | 1961 | Premise Match       | 906m                      | West      |
| MOTOR SERVICE STATIONS-PETROL, Etc.                         | Tylers Auto Service, 1 Beach Rd., Edgecliff                                | 86472   | 1950 | Premise Match       | 906m                      | West      |
| MOTOR GARAGES &/OR ENGINEERS                                | Tylers Auto Service, 1 Beach Rd., Edgecliff                                | 84490   | 1950 | Premise Match       | 906m                      | West      |
| DRY CLEANERS & PRESSERS.                                    | Lawrence, 64 New South Head Rd., Edgecliff.                                | 25369   | 1986 | Premise Match       | 919m                      | West      |
| DRY CLEANERS & PRESSERS. (D8500)                            | Lawrence, 64 New South Head Rd., Edgecliff. 2027.                          | 23899   | 1982 | Premise Match       | 919m                      | West      |
| MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)               | Darling Point Service Station, 131 New South Head Rd.EDGECLIFF             | 341000  | 1970 | Road Intersection   | 934m                      | West      |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | White City Repair & Service Station, 115 New South Head Rd., Edgediffe.    | 51098   | 1978 | Premise Match       | 958m                      | West      |
| MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)               | White City Repair & Service Station, 115 New South Head Rd.EDGECLIFF       | 341624  | 1970 | Premise Match       | 958m                      | West      |
| Motor Service Stations - Petrol, Oil, Etc. - Edgecliff      | White City Repair & Service Station, 115 New South Head Rd.                | 125669  | 1965 | Premise Match       | 958m                      | West      |
| MOTOR SERVICE STATIONS—PETROL, OIL, Etc.                    | White City Repair & Service Station, 115 New South Head Rd. EDGECLIFF      | 351283  | 1961 | Premise Match       | 958m                      | West      |
| MOTOR GARAGES &/OR ENGINEERS                                | Hansons Garages, 115 New South Head Rd., Edgecliff                         | 83841   | 1950 | Premise Match       | 958m                      | West      |
| MOTOR SERVICE STATIONS-PETROL, Etc.                         | Oswald's Motor Service, 115 New South Head Rd., Edgecliff                  | 86251   | 1950 | Premise Match       | 958m                      | West      |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# Historical Business Directories

19-27 Cross Street, Double Bay, NSW 2028

## Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

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

| Business Activity   | Premise   | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|---|---|---------|------|---------------------|-----------------------------------|
| Motor Garages & Engineers - Double Bay                      | Morris, G. E., Goldman La.  | 122538  | 1965 | Road Match          | 56m                               |
| MOTOR GARAGES & ENGINEERS                                   | Morris, G. E., Goldman La. DOUBLE BAY   | 347742  | 1961 | Road Match          | 56m                               |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | Morris,G. E.,Goldman La.DOUBLE BAY  | 338288  | 1970 | Road Match          | 56m                               |
| MOTOR GARAGES &/OR ENGINEERS.                               | Mrrity, G. E., Goldman La., Double Bay.   | 59283   | 1975 | Road Match          | 56m                               |
| MOTOR GARAGES &/OR ENGINEERS                                | Holmes Garage, 242-244 New South Head Rd., Edgecliff  | 83880   | 1950 | Road Match          | 83m                               |
| DRY CLEANERS, PRESSERS & DYERS                              | Federal Laundry Co., Kloro Rd., Double Bay  | 35233   | 1950 | Road Match          | 119m                              |
| MOTOR GARAGES &/OR ENGINEERS                                | Bay St, Garage (L. Chang), Double Bay   | 83428   | 1950 | Road Match          | 132m                              |
| Motor Garages & Service Stations                            | Bayview Service Station Bay St, Double Bay 2028   | 53539   | 1991 | Road Match          | 132m                              |
| MOTOR GARAGES & SERVICE STATIONS.                           | Bayview Service Station, Bay St., Double Bay.   | 64021   | 1986 | Road Match          | 132m                              |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Bayview Service Station, Bay St., Double Bay.   | 49387   | 1978 | Road Match          | 132m                              |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | Bayview Service Station, Bay St., Double Bay. 2028.   | 56099   | 1982 | Road Match          | 132m                              |
| MOTOR GARAGES &/OR ENGINEERS.                               | Bayview Service Station. Bay St., Oouble Bay.   | 58417   | 1975 | Road Match          | 132m                              |
| DRY CLEANERS, PRESSERS & DYERS                              | McQuillan, Miss, 985 Bellevue Rd., Bellevue Hill  | 35520   | 1950 | Road Match          | 146m                              |
| DRY CLEANERS, PRESSERS & DYERS                              | Tasman Dry Cleaners. 6 Bellevue Rd. Bellevue Hill   | 35764   | 1950 | Road Match          | 146m                              |
| DRY CLEANERS, PRESSERS&/OR DYERS.                           | Westley Dry Cleaners, 6 Bellevue Rd., Bellevue Hill.  | 24423   | 1975 | Road Match          | 146m                              |
| MOTOR GARAGES & ENGINEERS                                   | Davis, Phil & Co., Gumtree La DOUBLE BAY  | 347021  | 1961 | Road Match          | 159m                              |
| MOTOR GARAGES & ENGINEERS                                   | Bolton, A., Manning Rd. DOUBLE BAY  | 346679  | 1961 | Road Match          | 254m                              |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860) | Cooper Park Garage, Manning Rd, Double Bay. 2028.   | 56567   | 1982 | Road Match          | 254m                              |
| Motor Garages & Engineers - Double Bay                      | Cooper Park Garage, Manning Rd.   | 122533  | 1965 | Road Match          | 254m                              |
| MOTOR GARAGES & ENGINEERS(M6S6)                             | Cooper Park Garage, Manning Rd., DOUBLE BAY   | 337612  | 1970 | Road Match          | 254m                              |
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.         | Cooper Park Garage, Manning Rd., Double Bay.  | 49841   | 1978 | Road Match          | 254m                              |
| MOTOR GARAGES &/OR ENGINEERS.                               | Cooper Park Garage, Manning Rd., Double Bay.  | 58698   | 1975 | Road Match          | 254m                              |
| MOTOR GARAGES &/OR ENGINEERS                                | Gill and Allsopp, Manning Rd., Double Bay   | 83799   | 1950 | Road Match          | 254m                              |
| MOTOR SERVICE STATIONS—PETROL, OIL, Etc.                    | Cow Pasture Garage, Mulgoa Rd. EDGECLIFF  | 350507  | 1961 | Road Match          | 388m                              |
| MOTOR GARAGES & ENGINEERS                                   | Daimler, Lanchester, Bradford & Javelin Service & Repairs, 134 New South Head Rd. DARLING POINT | 347004  | 1961 | Road Match          | 397m                              |

| Business Activity                                      | Premise  | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|--|--|---------|------|---------------------|-----------------------------------|
| MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.    | Darling Point Service Station, 121 New South Head Rd., Edgecliff.    | 49885   | 1978 | Road Match          | 397m                              |
| MOTOR SERVICE STATIONS - PETROL, OIL                   | Darling Point Service Station, 121 New South Head Rd., Edgecliff.    | 61665   | 1975 | Road Match          | 397m                              |
| MOTOR SERVICE STATIONS- PETROL, Etc.                   | McMorrow, E., New South Head Rd., Edgecliff                          | 86198   | 1950 | Road Match          | 397m                              |
| MOTOR SERVICE STATIONS- PETROL, Etc.                   | Oswald's Motor Service, 158 New South Head Rd., Edgecliff            | 86252   | 1950 | Road Match          | 397m                              |
| DRY CLEANERS, PRESSERS &/OR DYERS                      | TrHon-Roylon-Trilon Dry Cleaners, 285 New South Head Rd., Edgecliff. | 20978   | 1978 | Road Match          | 397m                              |
| DRY CLEANERS,PRESSERS/DYERS (D710)                     | Trillon-Roylon-Trilon Dry Cleaners,285 New South Head Rd.,Edgecliff  | 292554  | 1970 | Road Match          | 397m                              |
| MOTOR SERVICE STATIONS- PETROL,OIL,Etc. (M716)         | Cresswell & Ackerson,Edgecliff Rd.WOOLLAHRA                          | 340989  | 1970 | Road Match          | 532m                              |
| MOTOR SERVICE STATIONS- PETROL,OIL,Etc. (M716)         | Denel Motors Pty. Ltd. (BP Vernon),Edgecliff Rd.WOOLLAHRA            | 341009  | 1970 | Road Match          | 532m                              |
| MOTOR GARAGES & ENGINEERS(M6S6)                        | Denel Motors Pty. Ltd. (BP Vernon),Edgecliff Rd.WOOLLAHRA            | 337669  | 1970 | Road Match          | 532m                              |
| MOTOR GARAGES & ENGINEERS                              | General Motor Garage (The), 186 Ocean St. EDGECLIFF                  | 347210  | 1961 | Road Match          | 596m                              |
| Motor Service Stations - Petrol, Oil, Etc. - Edgecliff | General Motor Garage (The), Ocean St.                                | 125668  | 1965 | Road Match          | 637m                              |
| MOTOR SERVICE STATIONS- PETROL,OIL,Etc. (M716)         | Tylers Auto Service Pty. Ltd.,Ocean St.EDGECLIFF                     | 341589  | 1970 | Road Match          | 637m                              |
| MOTOR GARAGES & ENGINEERS                              | Gill & Allsopp, Manning Rd. WOOLLAHRA                                | 347221  | 1961 | Road Match          | 829m                              |
| MOTOR GARAGES & ENGINEERS                              | McGrath, John Motors Pty. Ltd., 416 Glenmore Rd. PADDINGTON          | 347678  | 1961 | Road Match          | 924m                              |
| MOTOR GARAGES & ENGINEERS                              | Smith, S., Tara St. EDGECLIFF  | 348154  | 1961 | Road Match          | 982m                              |
| MOTOR GARAGES &/OR ENGINEERS                           | Smith, S., Tara St., Edgecliff                                       | 84386   | 1950 | Road Match          | 982m                              |

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant



# Aerial Imagery 2016

19-27 Cross Street, Double Bay, NSW 2028





# Aerial Imagery 2009

19-27 Cross Street, Double Bay, NSW 2028





## Aerial Imagery 2002

19-27 Cross Street, Double Bay, NSW 2028



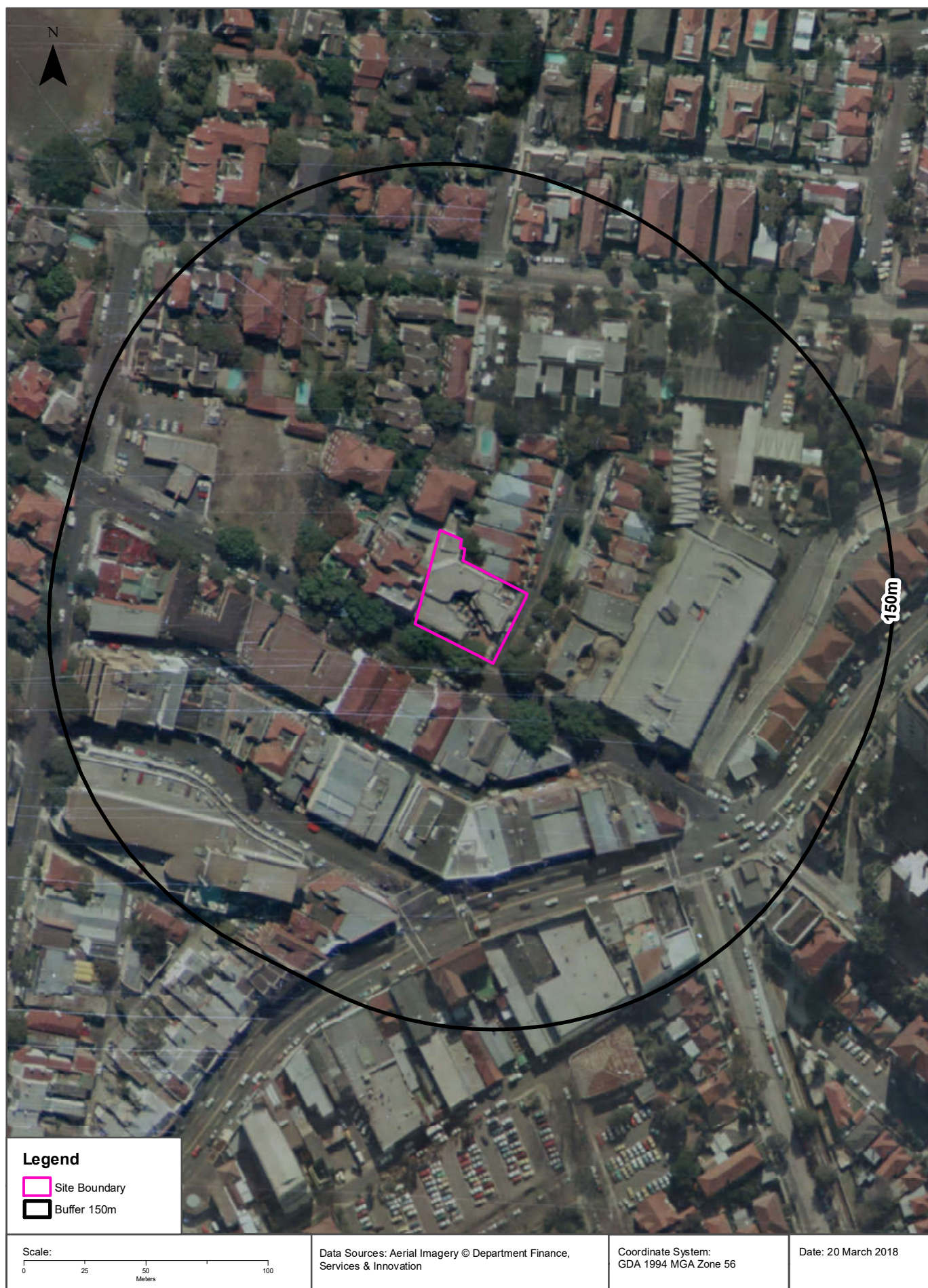






# Aerial Imagery 1982

19-27 Cross Street, Double Bay, NSW 2028





# Aerial Imagery 1970

19-27 Cross Street, Double Bay, NSW 2028





# Aerial Imagery 1965

19-27 Cross Street, Double Bay, NSW 2028





# Aerial Imagery 1961

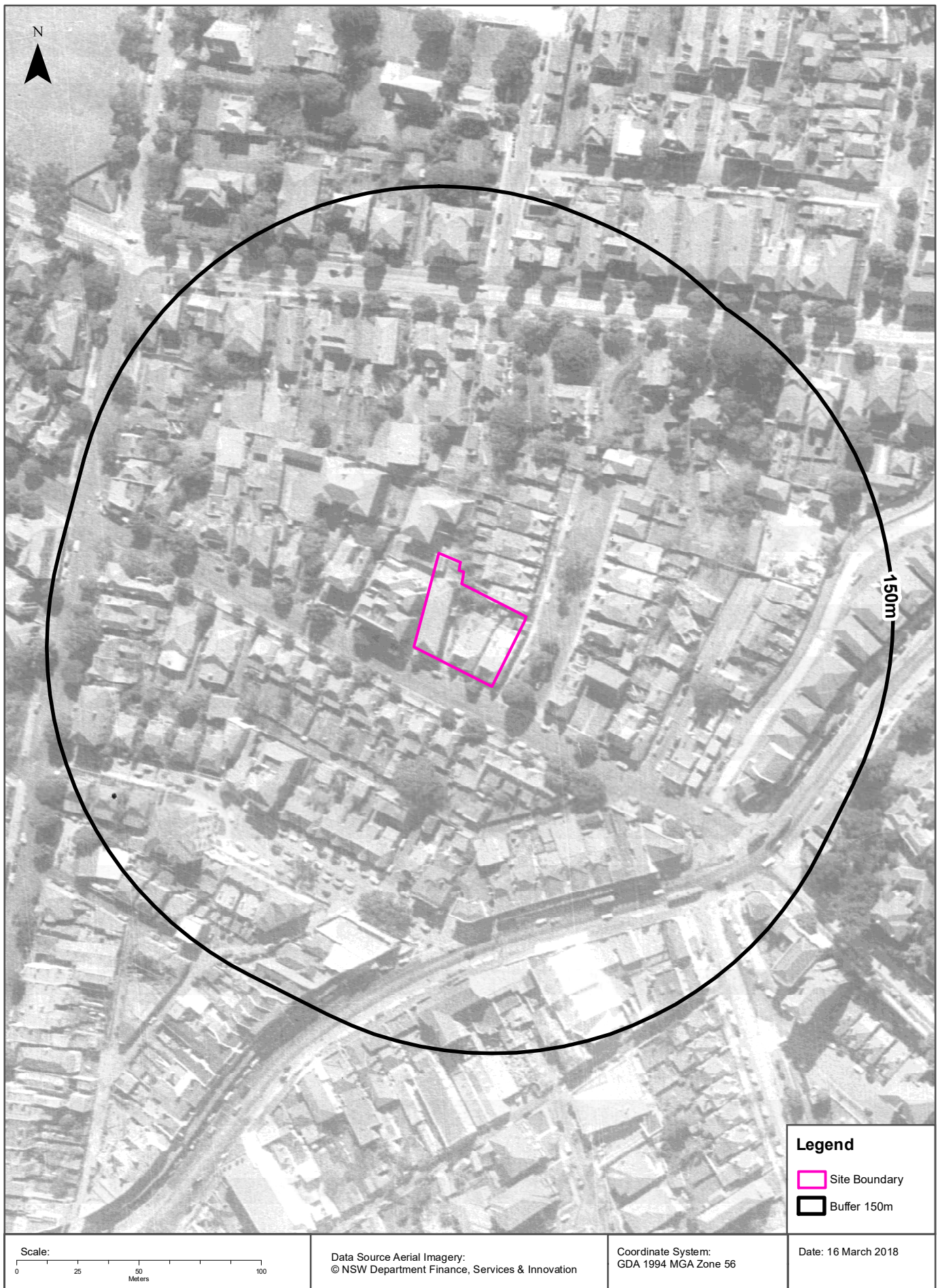
19-27 Cross Street, Double Bay, NSW 2028





# Aerial Imagery 1955

19-27 Cross Street, Double Bay, NSW 2028





# Aerial Imagery 1943

19-27 Cross Street, Double Bay, NSW 2028





# Topographic Map 2015

19-27 Cross Street, Double Bay, NSW 2028





## Historical Map 1975

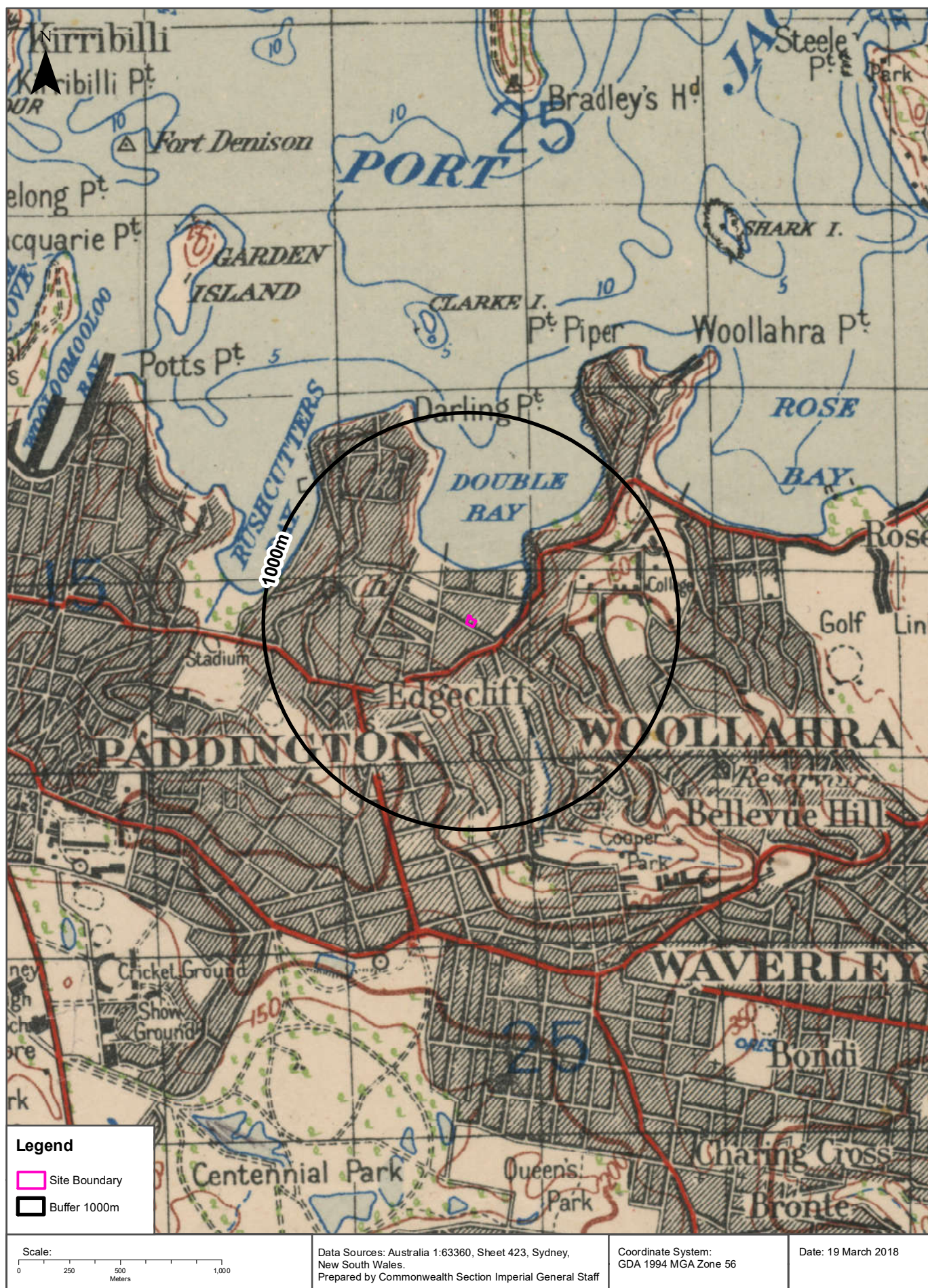
19-27 Cross Street, Double Bay, NSW 2028





# Historical Map 1949

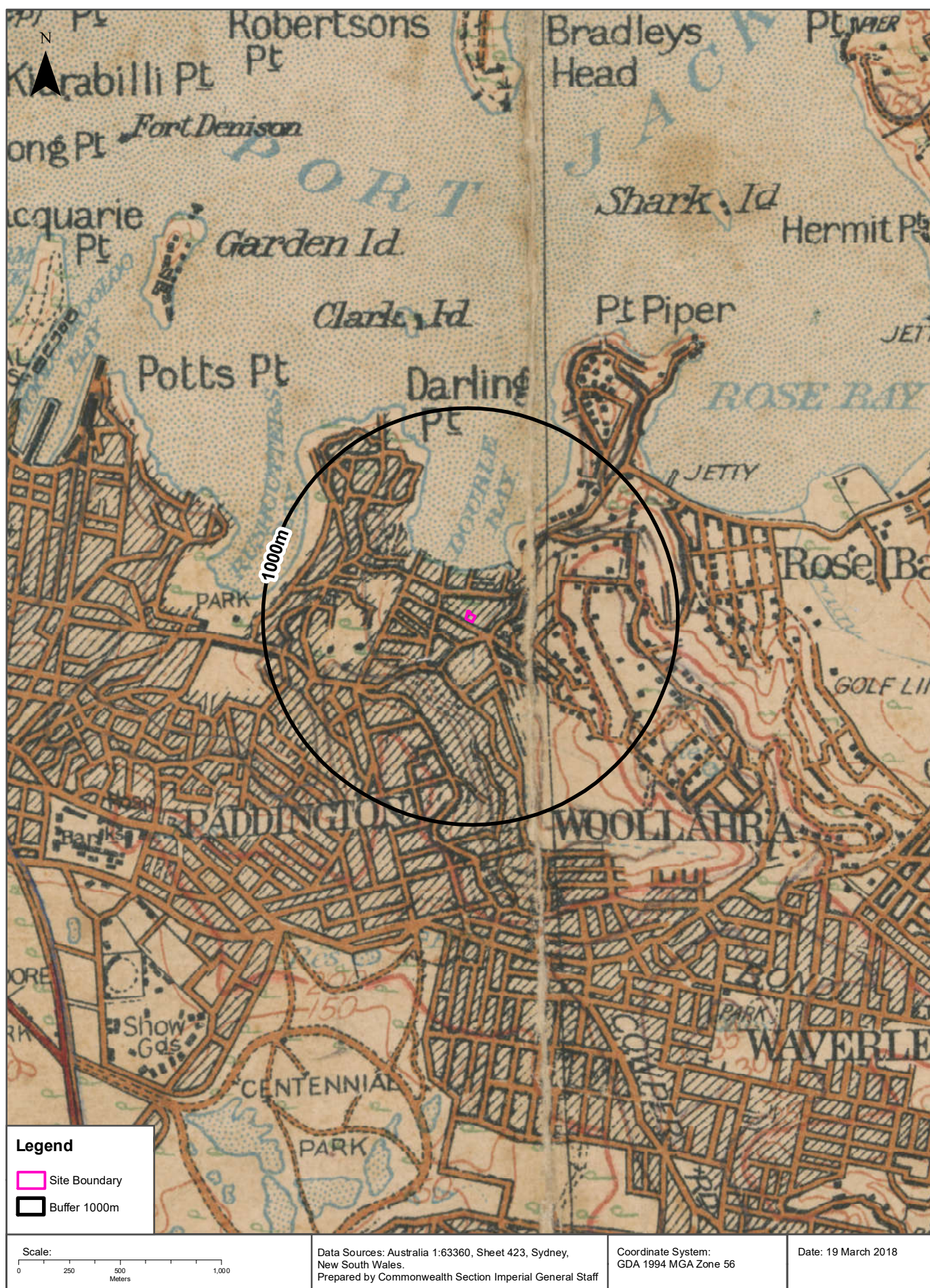
19-27 Cross Street, Double Bay, NSW 2028





# Historical Map 1917

19-27 Cross Street, Double Bay, NSW 2028





# Topographic Features

19-27 Cross Street, Double Bay, NSW 2028





# Topographic Features

19-27 Cross Street, Double Bay, NSW 2028

## Points of Interest

What Points of Interest exist within the dataset buffer?

| Map Id | Feature Type                      | Label                                    | Distance | Direction  |
|--------|-----------------------------------|--|----------|------------|
| 382543 | Place Of Worship                  | THE VILLAGE CHURCH                       | 35m      | South East |
| 382532 | Medical Centre                    | DOUBLE BAY EARLY CHILDHOOD HEALTH CENTRE | 69m      | East       |
| 382521 | Post Office                       | DOUBLE BAY POST OFFICE                   | 137m     | South East |
| 382548 | Monument                          | DOUBLE BAY WAR MEMORIAL                  | 208m     | North West |
| 382545 | Park                              | GUILFOYLE PARK                           | 213m     | West       |
| 382455 | Primary School                    | DOUBLE BAY PUBLIC SCHOOL                 | 277m     | North West |
| 382416 | Community Facility                | WOOLLAHRA LOCAL HISTORY CENTRE           | 278m     | North East |
| 382475 | Park                              | STEYNE PARK                              | 290m     | North West |
| 382516 | Suburb                            | DOUBLE BAY                               | 306m     | South West |
| 382506 | Park                              | FOSTER PARK                              | 308m     | North East |
| 382381 | Embassy                           | CONSULATE OF FINLAND                     | 435m     | North East |
| 382590 | Park                              | DAVID JOEL RESERVE                       | 516m     | East       |
| 382469 | Local Government Chambers         | WOOLLAHRA MUNICIPAL COUNCIL              | 533m     | North East |
| 382624 | Library                           | WOOLLAHRA LIBRARY                        | 552m     | North East |
| 382551 | Park                              | BLACKBURN GARDENS                        | 560m     | North East |
| 382541 | Place Of Worship                  | PARISH OF ST JOSEPH                      | 632m     | South West |
| 382550 | Combined Primary-Secondary School | ASCHAM SCHOOL                            | 652m     | West       |
| 382494 | Club                              | DOUBLE BAY BOWLING CLUB                  | 654m     | South East |
| 382539 | Place Of Worship                  | ST MARK'S CHURCH                         | 671m     | West       |
| 382420 | Nursing Home                      | ST VINCENT'S CARE SERVICES EDGECLIFF     | 684m     | South West |
| 382568 | Beach                             | SEVEN SHILLINGS BEACH                    | 686m     | North East |
| 382534 | Railway Station                   | EDGECLIFF RAILWAY STATION                | 688m     | South West |
| 382513 | Sports Field                      | BOWLING GREENS                           | 690m     | South East |
| 382498 | Park                              | Park                                     | 716m     | West       |
| 382453 | General Hospital                  | JEAN COLVIN PRIVATE HOSPITAL             | 742m     | West       |
| 382526 | Transport Interchange             | EDGECLIFF BUS INTERCHANGE                | 748m     | South West |
| 382518 | Suburb                            | DARLING POINT                            | 754m     | North West |
| 382489 | Park                              | EPPING RESERVE                           | 774m     | South      |
| 382497 | Shopping Centre                   | EDGECLIFF CENTRE                         | 777m     | South West |
| 382496 | Post Office                       | EDGECLIFF POST OFFICE                    | 788m     | South West |

| Map Id | Feature Type                      | Label   | Distance | Direction  |
|--------|-----------------------------------|---|----------|------------|
| 382524 | Embassy                           | CONSULATE-GENERAL OF LEBANON                    | 788m     | South West |
| 382525 | Embassy                           | CONSULATE-GENERAL SOCIALIST REPUBLIC OF VIETNAM | 788m     | South West |
| 382523 | Embassy                           | CONSULATE-GENERAL OF ICELAND                    | 813m     | North West |
| 382517 | Suburb                            | EDGECLIFF                                       | 818m     | South West |
| 382542 | Place Of Worship                  | ALL SAINTS' CHURCH                              | 835m     | South West |
| 382405 | Combined Primary-Secondary School | CRANBROOK SCHOOL                                | 837m     | North East |
| 382535 | Medical Centre                    | RUSHCUTTERS BAY DEMENTIA DAY CARE CENTRE        | 845m     | North West |
| 382382 | Embassy                           | CONSULATE-GENERAL FEDERAL REPUBLIC OF GERMANY   | 855m     | South West |
| 382505 | Park                              | SIR DAVID MARTIN RESERVE                        | 860m     | North West |
| 382485 | Combined Primary-Secondary School | THE SCOTS COLLEGE                               | 868m     | East       |
| 382443 | Park                              | EUROKA RESERVE                                  | 869m     | South West |
| 382530 | Slipway                           | Slipway   | 877m     | West       |
| 382529 | Slipway                           | Slipway   | 881m     | West       |
| 382491 | Embassy                           | CONSULATE-GENERAL OF THE REPUBLIC OF POLAND     | 882m     | South      |
| 382531 | Slipway                           | Slipway   | 885m     | North West |
| 382492 | General Hospital                  | WOLPER JEWISH HOSPITAL                          | 887m     | South      |
| 382421 | Embassy                           | CONSULATE OF MALAYSIA                           | 889m     | East       |
| 382549 | Sports Court                      | TENNIS COURTS                                   | 891m     | South West |
| 382538 | Sports Centre                     | PALMS TENNIS CENTRE                             | 904m     | South West |
| 382514 | Locality                          | WHITE CITY                                      | 907m     | South West |
| 382528 | Slipway                           | Slipway   | 911m     | West       |
| 382414 | Community Facility                | CONSULATE-GENERAL OF THE RUSSIAN FEDERATION     | 920m     | South      |
| 382508 | Sports Court                      | TENNIS COURTS                                   | 922m     | South West |
| 382493 | Club                              | CRUISING YACHT CLUB OF AUSTRALIA                | 923m     | West       |
| 382462 | Embassy                           | CONSULATE-GENERAL OF THE REPUBLIC OF SERBIA     | 929m     | South      |
| 382500 | Park                              | TRUMPER PARK                                    | 933m     | South West |
| 382460 | Primary School                    | THE SCOTS COLLEGE EARLY LEARNING CENTRE         | 941m     | South East |
| 382431 | Swimming Pool                     | Swimming Pool                                   | 953m     | East       |
| 382614 | Primary School                    | THE SCOTS COLLEGE PREPARATORY SCHOOL            | 960m     | East       |
| 382504 | Park                              | YARRANABBE PARK                                 | 961m     | North West |
| 382602 | Sports Field                      | LOUGH PLAYING FIELDS                            | 965m     | South      |
| 382490 | Retirement Village                | ARV GOODWIN VILLAGE                             | 969m     | South West |
| 382512 | Sports Field                      | BOWLING GREENS                                  | 972m     | South West |
| 382600 | Sports Field                      | OVAL  | 978m     | North East |

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

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Topographic Features

19-27 Cross Street, Double Bay, NSW 2028

### 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)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## 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  |
|-----------|----------------|---------------|----------------|----------|------------|
| 150211119 | Primary        | Right of way  | 6.095          | 120m     | North      |
| 120115845 | Primary        | Undefined     |                | 257m     | South East |
| 168278220 | Primary        | Right of way  | VAR            | 483m     | West       |
| 159861731 | Primary        | Right of way  | 0.915m         | 529m     | South      |
| 120108420 | Primary        | Undefined     |                | 613m     | South East |
| 120111690 | Primary        | Undefined     |                | 630m     | West       |
| 150344404 | Primary        | Right of way  | variable       | 639m     | North East |
| 120115651 | Primary        | Undefined     |                | 657m     | West       |
| 150295616 | Primary        | Right of way  |                | 709m     | East       |
| 120114559 | Primary        | Undefined     |                | 825m     | North      |

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

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Topographic Features

19-27 Cross Street, Double Bay, NSW 2028

### 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: © Land and Property Information (2015)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

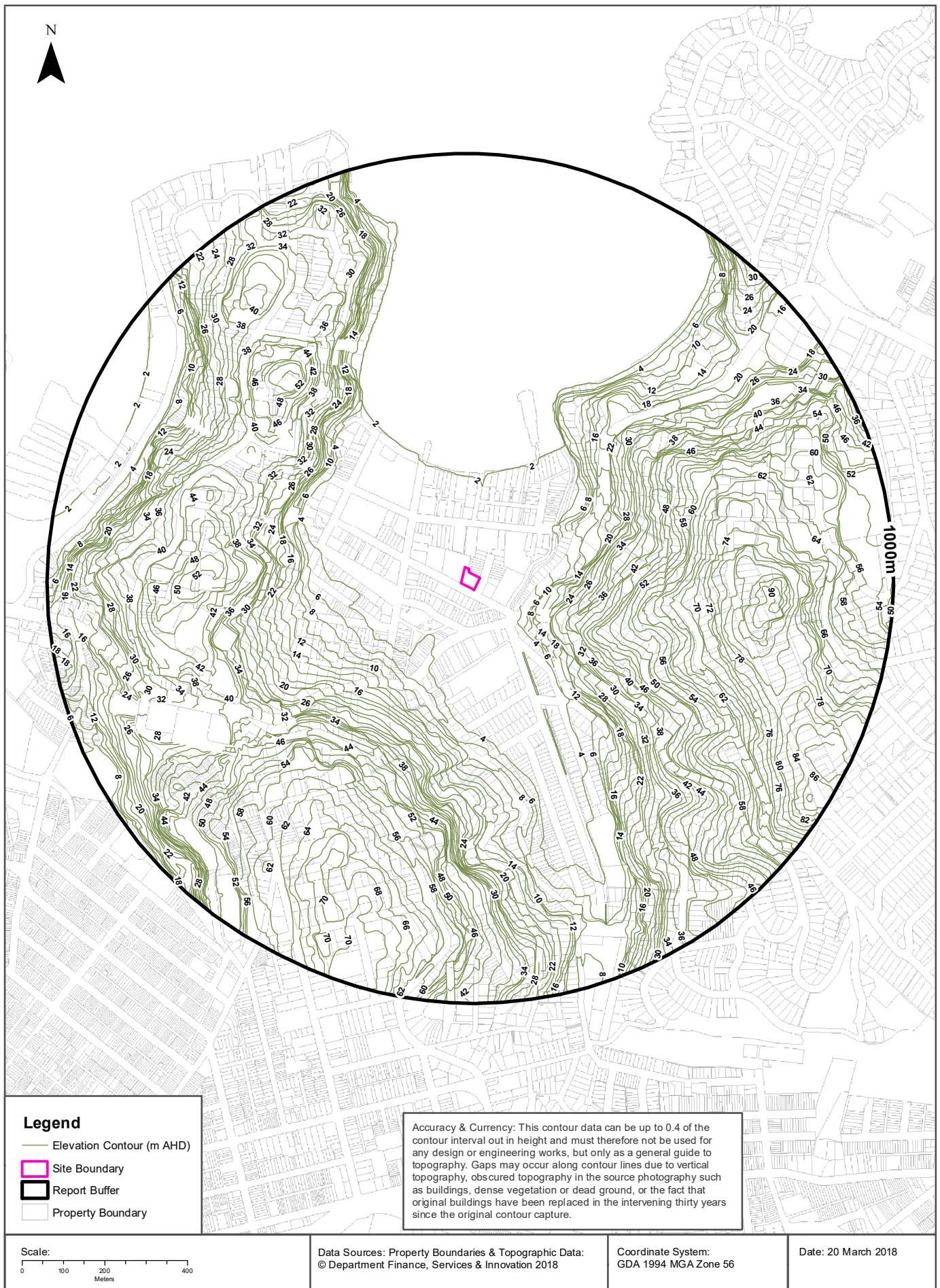
| Reserve Number | Reserve Type         | Reserve Name | Gazetted Date | Distance | Direction |
|----------------|----------------------|--------------|---------------|----------|-----------|
| N/A            | No records in buffer |              |               |          |           |

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

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Elevation Contours (m AHD)

19-27 Cross Street, Double Bay, NSW 2028





## Hydrogeology & Groundwater

19-27 Cross Street, Double Bay, NSW 2028

### Hydrogeology

Description of aquifers on-site:

| Description |
|-------------|
| No Data     |

Description of aquifers within the dataset buffer:

| Description                                  |
|--|
| Porous, extensive highly productive aquifers |

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

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

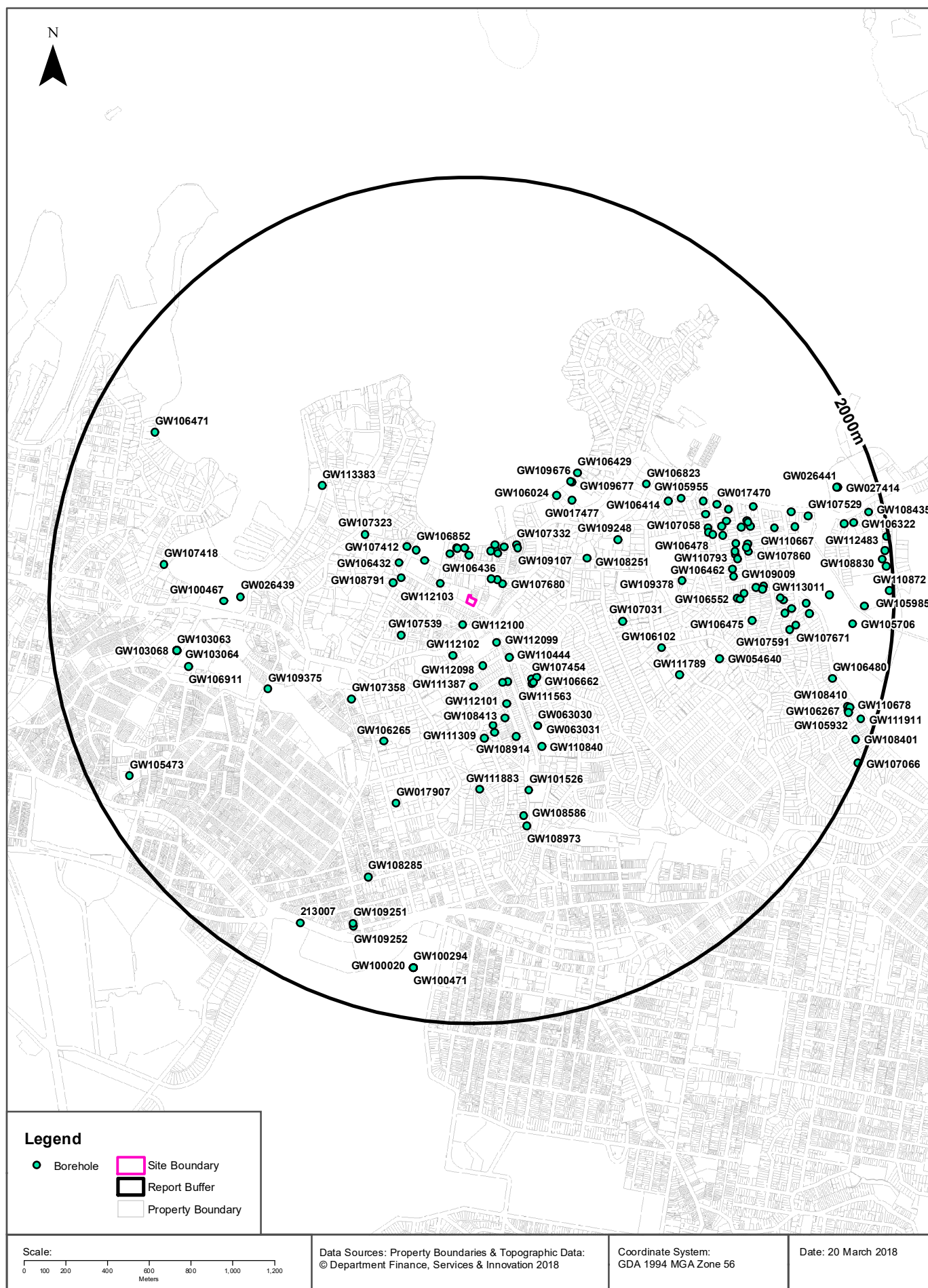
### Botany Groundwater Management Zones

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

**19-27 Cross Street, Double Bay, NSW 2028**



# Hydrogeology & Groundwater

19-27 Cross Street, Double Bay, NSW 2028

## Groundwater Boreholes

Boreholes within the dataset buffer:

| GW No.   | Licence No                                     | Work Type | Owner Type | Purpose    | Contractor         | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist | Dir        |
|----------|--|-----------|------------|------------|--------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|------|------------|
| GW112100 | 10BL161856                                     | Bore      | Private    | Monitoring |                    | 18/12/2002    | 13.20           | 13.20             |                 |         |             |            | 102m | South      |
| GW106048 | 10BL162637, 10WA108641                         | Bore      | Private    | Domestic   |                    | 07/03/2004    | 6.00            | 6.00              |                 |         |             |            | 124m | North East |
| GW106047 | 10BL162635, 10WA108640                         | Bore      |            | Domestic   |                    | 07/03/2004    | 6.00            | 6.00              |                 |         |             |            | 143m | North East |
| GW112103 | 10BL161856                                     | Bore      | Private    | Monitoring |                    | 20/12/2002    | 7.95            | 7.95              |                 |         |             |            | 145m | North West |
| GW107680 | 10BL164975                                     | Spear     | Private    | Dewatering | Coates Hire        | 01/08/2005    | 2.75            | 2.75              |                 |         |             |            | 151m | North East |
| GW106436 | 10BL163903, 10WA108804                         | Spear     | Private    | Domestic   |                    | 21/09/2004    | 6.10            | 6.10              |                 | 2.13    | 1.000       |            | 189m | North      |
| GW112099 | 10BL161856                                     | Bore      | Private    | Monitoring |                    | 17/02/2003    | 6.20            | 6.20              |                 |         |             |            | 209m | South East |
| GW106983 | 10BL164548, 10WA108895                         | Bore      |            |            |                    | 10/04/2006    |                 |                   |                 |         |             |            | 213m | North West |
| GW107331 | 10BL165269, 10WA108965                         | Spear     | Private    | Domestic   |                    | 29/08/2005    | 4.88            | 4.88              | Good            | 1.80    | 1.000       |            | 224m | North      |
| GW108695 | 10BL601485, 10WA109186                         | Spear     | Private    | Domestic   |                    | 29/05/2007    | 7.02            | 7.02              | Good            | 1.52    | 1.000       |            | 229m | North      |
| GW106852 | 10BL164794, 10WA108926                         | Spear     | Private    | Domestic   | B & B Drilling Inc | 18/03/2005    | 4.00            | 4.00              | Good            | 2.00    | 0.500       |            | 231m | North      |
| GW111722 | 10BL164272, 10WA108855                         | Spear     | Private    | Domestic   |                    | 01/11/2004    | 5.49            | 5.49              |                 | 1.88    | 1.000       |            | 233m | North      |
| GW106100 | 10BL162475, 10WA108621                         | Spear     | Private    | Domestic   | B & B Drilling Inc | 04/05/2004    | 6.00            | 6.00              |                 | 2.00    | 0.500       |            | 241m | North East |
| GW105746 | 10BL162409, 10WA108609                         | Bore      |            |            |                    | 20/04/2005    |                 |                   |                 |         |             |            | 247m | North East |
| GW112102 | 10BL161856                                     | Bore      | Private    | Monitoring |                    | 19/12/2002    | 7.60            | 7.60              |                 |         |             |            | 258m | South      |
| GW026440 | 10BL018723                                     | Bore      | Local Govt | Irrigation |                    | 01/07/1966    | 10.60           | 10.70             | Potable         |         |             |            | 267m | North West |
| GW106531 | 10BL163408, 10WA108731                         | Spear     | Private    | Domestic   |                    | 21/09/2004    | 6.10            | 6.10              |                 | 1.83    | 1.000       |            | 269m | North East |
| GW108635 | 10BL165361, 10WA108975                         | Spear     | Private    | Domestic   | B & B Drilling Inc | 31/01/2007    | 4.00            | 4.00              | Good            | 2.00    | 0.500       |            | 283m | North East |
| GW112098 | 10BL161856                                     | Bore      | Private    | Monitoring |                    | 16/12/2002    | 31.10           | 31.10             |                 |         |             |            | 291m | South      |
| GW110444 | 10BL602874, 10WA109274                         | Bore      | Private    | Domestic   |                    | 28/02/2009    | 8.00            | 8.00              |                 |         |             |            | 301m | South East |
| GW109107 | 10BL602284, 10WA109244                         | Bore      | Private    | Domestic   | B & B Drilling Inc | 23/07/2008    | 4.00            |                   | 800             | 2.00    | 0.500       |            | 321m | North East |
| GW107332 | 10BL165271, 10WA108966                         | Spear     | Private    | Domestic   |                    | 29/08/2005    | 5.49            | 5.49              | Good            | 1.83    | 1.000       |            | 327m | North East |
| GW100462 | 10BL156678, 10BL600604, 10BL601439, 10WA109495 | Bore      | Local Govt | Recreation | B & B Drilling Inc | 22/03/1995    | 8.00            | 8.00              | Good            | 2.48    | 0.500       |            | 328m | North West |
| GW108583 | 10BL600807, 10WA109121                         | Spear     | Private    | Domestic   |                    | 14/02/2007    | 7.93            | 7.93              | Good            | 4.55    | 1.000       |            | 332m | West       |
| GW107539 | 10BL165707, 10WA109011                         | Spear     | Private    | Domestic   |                    | 13/09/2005    | 13.00           | 13.00             | 193             | 8.50    | 0.800       |            | 348m | South West |
| GW108791 | 10BL601688, 10WA109200                         | Spear     | Private    | Domestic   |                    | 29/05/2007    | 8.23            | 8.24              | Good            | 3.05    | 1.000       |            | 365m | West       |
| GW106432 | 10BL163970, 10WA108812                         | Spear     | Private    | Domestic   | Water Works        | 15/10/2004    | 7.00            | 7.00              |                 | 2.00    | 0.800       |            | 366m | North West |

| GW No.   | Licence No                         | Work Type | Owner Type | Purpose     | Contractor                 | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist | Dir        |
|----------|------------------------------------|-----------|------------|-------------|----------------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|------|------------|
| GW107412 | 10BL165558, 10WA108992             | Spear     | Private    | Domestic    |                            | 15/10/2005    | 5.00            | 5.00              |                 | 3.10    | 0.400       |            | 375m | North West |
| GW111387 | 10BL601388                         | Spear     | Private    | Domestic    |                            | 08/03/2007    | 10.00           | 10.00             |                 |         |             |            | 388m | South      |
| GW108962 | 10BL602235, 10WA109239             | Spear     | Private    | Domestic    |                            | 26/06/2008    | 5.00            |                   |                 |         |             |            | 394m | South      |
| GW108969 | 10BL602165, 10WA109232             | Spear     | Private    | Domestic    |                            | 26/06/2008    | 8.00            |                   |                 |         |             |            | 399m | South East |
| GW107454 | 10BL164547, 10WA108894             | Spear     | Private    | Domestic    |                            | 15/03/2005    | 9.00            | 9.00              |                 |         |             |            | 449m | South East |
| GW106662 | 10BL163900, 10WA108801             | Spear     | Private    | Domestic    |                            | 25/10/2004    | 9.00            | 9.00              |                 |         |             |            | 457m | South East |
| GW107481 | 10BL164143, 10WA108836             | Spear     | Private    | Domestic    | Bore Water Solutions       | 06/11/2004    | 8.00            | 8.00              |                 |         |             |            | 467m | South East |
| GW111563 | 10BL600810, 10WA109122             | Spear     | Private    | Domestic    |                            | 15/11/2011    | 6.00            | 6.00              |                 |         |             |            | 468m | South East |
| GW112101 | 10BL161856                         | Bore      | Private    | Monitoring  |                            | 19/12/2002    | 6.20            | 6.20              |                 |         |             |            | 496m | South      |
| GW108413 | 10BL600757, 10WA109115             | Spear     | Private    | Domestic    |                            | 21/07/2007    | 8.00            | 8.00              |                 |         |             |            | 559m | South      |
| GW108251 | 10BL600639, 10WA109099             | Bore      | Private    | Domestic    | Intertec Drilling Services | 13/10/2006    | 210.00          | 210.00            |                 | 100.00  | 0.070       |            | 569m | East       |
| GW107323 | 10BL165414, 10WA108979             | Bore      | Private    | Domestic    | Intertec Drilling Services | 23/08/2005    | 162.50          | 162.50            | 220             | 38.20   | 0.350       |            | 572m | North West |
| GW111643 | 10BL163704, 10WA108777             | Spear     | Private    | Domestic    |                            | 08/05/2004    | 9.50            | 9.50              |                 | 8.00    | 1.000       |            | 581m | South      |
| GW107624 | 10BL165742, 10WA109014             | Spear     | Private    | Domestic    |                            | 12/11/2005    | 9.50            | 9.50              |                 |         |             |            | 617m | South      |
| GW106024 | 10BL162931, 10WA108667             | Spear     | Private    | Domestic    |                            | 11/05/2004    | 7.01            | 7.02              | Good            | 3.96    | 1.000       |            | 633m | North East |
| GW111309 | 10BL165148, 10WA108955             | Bore      | Private    | Domestic    | Groundtek Drilling         | 15/08/2005    | 52.00           | 52.00             |                 | 13.00   |             |            | 636m | South      |
| GW063030 | 10BL138106, 10WA109375             | Bore      | Private    | Recreation  |                            | 01/05/1988    | 12.00           | 12.00             | Good            |         |             |            | 654m | South East |
| GW063031 | 10BL139222                         | Bore      | Private    | Recreation  |                            | 01/05/1988    | 10.00           | 10.00             | Good            |         |             |            | 654m | South East |
| GW108914 | 10BL601669, 10WA109198             | Bore      | Private    | Domestic    |                            | 12/06/2008    | 8.00            |                   |                 |         |             |            | 658m | South      |
| GW017477 | 10BL008470, 10WA108086             | Spear     | Private    | General Use |                            |               | 6.00            | 6.10              |                 |         |             |            | 662m | North East |
| GW107031 | 10BL162634, 10BL163059, 10WA108689 | Bore      | Private    | Domestic    | B & B Drilling Inc         | 24/03/2004    | 93.00           | 93.00             |                 | 5.56    | 0.050       |            | 710m | East       |
| GW107358 | 10BL164427, 10WA108882             | Bore      | Private    | Domestic    | Intertec Drilling Services | 26/08/2005    | 180.50          | 180.50            |                 | 41.80   | 0.130       |            | 720m | South West |
| GW109676 | 10BL164609, 10WA108906             | Spear     | Private    | Domestic    |                            | 23/02/2005    | 4.88            | 4.88              | Good            | 3.96    | 1.000       |            | 726m | North East |
| GW109677 | 10BL164610, 10WA108907             | Spear     | Private    | Domestic    |                            | 23/02/2005    | 4.88            | 4.88              | Good            | 3.96    | 1.000       |            | 727m | North East |
| GW109248 | 10BL602531, 10WA109258             | Bore      | Private    | Domestic    | Intertec Drilling Services | 20/08/2008    | 180.00          |                   | 235             | 65.00   | 0.140       |            | 739m | East       |
| GW110840 | 10BL165199, 10WA108961             | Bore      | Private    | Domestic    |                            | 06/06/2008    | 8.00            | 8.00              |                 |         |             |            | 749m | South East |
| GW106265 | 10BL163556, 10WA108756             | Bore      | Private    | Domestic    | Intertec Drilling Services | 15/07/2004    | 198.50          | 198.50            | 200             | 59.20   | 0.100       |            | 774m | South West |
| GW106429 | 10BL163464                         | Spear     | Private    | Domestic    | B & B Drilling Inc         | 08/09/2004    | 4.00            | 4.00              | Good            | 2.00    | 0.500       |            | 780m | North East |
| GW113383 | 10WA118654                         | Bore      | Local Govt | Recreation  |                            | 29/08/2013    | 8.00            | 8.00              | 646             | 1.86    | 1.000       |            | 873m | North West |
| GW111883 | 10BL601093                         | Spear     | Private    | Domestic    |                            | 01/01/2007    | 6.00            | 6.00              |                 | 4.00    | 0.580       |            | 881m | South      |
| GW106102 | 10BL162485, 10WA108623             | Bore      | Private    | Domestic    | Mountain Water Drilling    | 05/05/2004    | 94.00           | 94.00             |                 | 2.00    | 0.016       |            | 919m | East       |
| GW101526 | 10BL158636, 10WA109353             | Bore      | Private    | Recreation  | B & B Drilling Inc         | 02/07/1998    | 16.00           | 16.00             | Good            | 2.60    | 9.000       |            | 924m | South      |

| GW No.   | Licence No                         | Work Type  | Owner Type | Purpose     | Contractor                 | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist   | Dir        |
|----------|------------------------------------|------------|------------|-------------|----------------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|--------|------------|
| GW106823 | 10BL163514, 10BL163515, 10WA109435 | Bore       |            | Recreation  | Intertec Drilling Services | 07/02/2004    | 102.50          | 102.50            | 181             | 16.00   | 1.250       |            | 985m   | North East |
| GW109378 | 10BL165173, 10BL602616, 10WA109549 | Bore       | Private    | Recreation  | Intertec Drilling Services | 02/10/2008    | 150.00          | 150.00            | 223             | 68.00   | 0.300       |            | 992m   | East       |
| GW017907 | 10BL008827                         | Spear      | Private    | General Use |                            |               | 12.40           | 12.50             |                 |         |             |            | 1014 m | South      |
| GW108586 | 10BL600992, 10WA109139             | Bore       | Private    | Domestic    |                            | 03/02/2007    | 8.00            | 8.00              |                 |         |             |            | 1034 m | South      |
| GW106414 | 10BL163189, 10BL601496, 10WA109188 | Bore       |            | Domestic    |                            | 31/08/2005    | 40.00           | 40.00             | Good            | 22.00   | 0.150       |            | 1035 m | North East |
| GW109375 | 10BL601728, 10BL602670, 10CA109547 | Bore       | Local Govt | Irrigation  |                            | 29/09/2008    | 13.50           |                   |                 |         |             |            | 1036 m | South West |
| GW111789 | 10BL165591, 10WA108999             | Bore       | Private    | Domestic    |                            | 23/02/2007    | 138.00          | 138.00            | 150             | 18.00   | 0.200       |            | 1039 m | East       |
| GW026439 | 10BL018722                         | Bore       | Local Govt | Irrigation  |                            | 01/07/1966    | 7.90            | 7.90              | Potable         |         |             |            | 1082 m | West       |
| GW108973 | 10BL602131, 10WA109227             | Bore       | Private    | Domestic    |                            | 27/06/2008    | 8.50            |                   |                 |         |             |            | 1086 m | South      |
| GW105955 | 10BL163323, 10WA108716             | Bore       |            |             |                            | 23/05/2005    |                 |                   |                 |         |             |            | 1096 m | North East |
| GW106478 | 10BL164255, 10WA108853             | Spear      | Private    | Domestic    | Water Works                | 26/10/2004    | 6.00            | 6.00              |                 |         |             |            | 1160 m | East       |
| GW100467 | 10BL156684, 10WA109385             | Bore       | Private    | Recreation  | B & B Drilling Inc         | 15/03/1996    | 14.50           | 15.50             |                 | 2.35    | 5.000       |            | 1163 m | West       |
| GW107058 | 10BL164827, 10WA108933             | Spear      | Private    | Domestic    | Water Works                | 25/02/2005    | 7.00            |                   | 385             | 3.00    | 1.000       |            | 1165 m | East       |
| GW108960 | 10BL602207, 10WA109237             | Spear      | Private    | Domestic    |                            | 26/06/2008    | 5.00            |                   |                 |         |             |            | 1175 m | East       |
| GW107613 | 10BL164350, 10WA108867             | Spear      | Private    | Domestic    | Water Works                | 10/01/2005    | 7.00            | 7.00              | 387             | 3.00    | 0.500       |            | 1177 m | East       |
| GW111560 | 10BL600768, 10WA109116             | Spear      | Private    | Domestic    |                            | 20/01/2007    | 7.00            | 7.00              |                 |         |             |            | 1188 m | North East |
| GW054640 | 10BL117002                         | (Unkn own) |            | Recreation  |                            | 01/11/1980    | 29.90           | 29.90             |                 |         |             |            | 1199 m | East       |
| GW107063 | 10BL164721, 10WA108918             | Spear      | Private    | Domestic    | Water Works                | 10/01/2005    | 7.00            |                   |                 | 3.00    | 0.500       |            | 1223 m | East       |
| GW107180 | 10BL165190, 10WA108959             | Spear      | Private    | Domestic    | Water Works                | 10/06/2005    | 8.00            | 8.00              |                 | 3.00    | 0.500       |            | 1228 m | East       |
| GW106462 | 10BL162253, 10WA108589             | Spear      | Private    | Domestic    | B & B Drilling Inc         | 12/11/2004    | 6.00            | 6.00              | Good            | 4.00    | 0.500       |            | 1237 m | East       |
| GW109009 | 10BL601783, 10WA109207             | Spear      | Private    | Domestic    |                            | 09/07/2008    | 7.32            |                   | Good            | 4.38    | 1.000       |            | 1238 m | East       |
| GW017470 | 10BL008915, 10WA108090             | Spear      | Private    | General Use |                            |               | 4.50            | 4.60              |                 |         |             |            | 1241 m | East       |
| GW106552 | 10BL163895, 10WA108799             | Spear      | Private    | Domestic    | B & B Drilling Inc         | 22/11/2004    | 7.50            | 7.50              | Good            | 6.00    | 0.500       |            | 1250 m | East       |
| GW108008 | 10BL165080, 10WA108951             | Spear      | Private    | Domestic    |                            | 23/08/2005    | 7.00            | 7.00              |                 |         |             |            | 1257 m | East       |
| GW110793 | 10BL601230, 10WA109162             | Spear      | Private    | Domestic    |                            | 15/02/2008    | 6.00            | 6.00              |                 |         |             |            | 1262 m | East       |
| GW110796 | 10BL601312, 10WA109173             | Spear      | Private    | Domestic    |                            | 12/02/2008    | 6.00            | 6.00              |                 |         |             |            | 1263 m | East       |
| GW110888 | 10BL601618, 10WA109194             | Spear      | Private    | Domestic    |                            | 01/01/2007    | 9.00            |                   |                 | 2.00    | 2.500       |            | 1265 m | East       |
| GW111564 | 10BL600949, 10WA109132             | Spear      | Private    | Domestic    |                            | 05/12/2008    | 5.00            | 5.00              |                 | 3.00    | 0.500       |            | 1269 m | East       |
| GW106116 | 10BL162858, 10WA108661             | Spear      | Private    | Domestic    | B & B Drilling Inc         | 24/03/2004    | 4.00            | 4.00              | Good            | 2.00    | 0.500       |            | 1273 m | East       |
| GW106391 | 10BL163751, 10WA108783             | Bore       | Private    | Domestic    | Water Works                | 11/09/2004    | 8.50            | 8.50              |                 | 3.00    | 0.500       |            | 1285 m | East       |
| GW106835 | 10BL164715, 10WA108917             | Spear      | Private    | Domestic    | B & B Drilling Inc         | 18/02/2005    | 6.00            | 6.00              | Good            | 3.00    | 0.500       |            | 1285 m | East       |
| GW107874 | 10BL164580, 10WA108903             | Spear      | Private    | Domestic    |                            | 15/01/2006    | 6.00            | 6.00              |                 |         |             |            | 1319 m | East       |



| GW No.   | Licence No                         | Work Type | Owner Type | Purpose    | Contractor                 | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist   | Dir   |
|----------|------------------------------------|-----------|------------|------------|----------------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|--------|-------|
| GW105645 | 10BL162625, 10WA108638             | Bore      |            |            |                            | 22/03/2005    |                 |                   |                 |         |             |            | 1320 m | East  |
| GW106475 | 10BL164115, 10WA108831             | Bore      | Private    | Domestic   | Water Works                | 14/10/2004    | 20.00           | 20.00             |                 |         |             |            | 1326 m | East  |
| GW107860 | 10BL600080, 10WA109049             | Bore      |            |            |                            | 19/02/2007    |                 |                   |                 |         |             |            | 1327 m | East  |
| GW106866 | 10BL164094, 10WA108827             | Spear     | Private    | Domestic   |                            | 28/02/2005    | 5.18            | 5.19              | Good            | 2.13    | 1.000       |            | 1330 m | East  |
| GW108946 | 10BL601953, 10WA109215             | Spear     | Private    | Domestic   |                            | 19/06/2008    | 8.00            |                   |                 |         |             |            | 1342 m | East  |
| GW107515 | 10BL163901, 10WA108802             | Spear     | Private    | Domestic   | B & B Drilling Inc         | 13/10/2005    | 4.00            | 4.00              | Good            | 2.00    | 0.500       |            | 1351 m | East  |
| GW106583 | 10BL163902, 10WA108803             | Spear     | Private    | Domestic   | B & B Drilling Inc         | 28/09/2004    | 6.00            | 6.00              |                 | 2.00    | 0.500       |            | 1357 m | East  |
| GW106216 | 10BL163652, 10WA108768             | Spear     | Private    | Domestic   | B & B Drilling Inc         | 17/08/2004    | 5.00            | 5.00              |                 |         | 0.500       |            | 1361 m | East  |
| GW106911 | 10BL163916, 10BL164884, 10WA109419 | Bore      |            | Recreation | Intertec Drilling Services | 11/11/2004    | 42.60           | 42.60             | 360             | 10.50   | 1.300       |            | 1367 m | West  |
| GW108790 | 10BL601689, 10WA109201             | Spear     | Private    | Domestic   |                            | 12/06/2007    | 8.00            | 8.00              |                 |         |             |            | 1373 m | East  |
| GW113011 | 10BL164383, 10WA108875             | Spear     | Private    | Domestic   |                            | 02/07/2007    | 8.00            | 8.00              |                 |         |             |            | 1380 m | East  |
| GW108285 | 10BL600515, 10WA109086             | Bore      |            |            |                            | 23/07/2007    |                 |                   |                 |         |             |            | 1394 m | South |
| GW111112 | 10BL601808, 10WA109208             | Spear     | Private    | Domestic   |                            | 04/03/2010    | 7.95            | 7.95              | good            | 1.22    | 1.000       |            | 1402 m | East  |
| GW103059 | 10BL159568                         | Bore      |            | Monitoring |                            | 23/09/1999    | 5.50            | 6.00              |                 |         |             |            | 1405 m | West  |
| GW103062 | 10BL159568                         | Bore      |            | Monitoring |                            | 21/08/2000    |                 | 6.20              |                 |         |             |            | 1406 m | West  |
| GW103067 | 10BL159568                         | Bore      |            | Monitoring |                            | 24/09/1999    | 5.00            | 5.00              |                 |         |             |            | 1406 m | West  |
| GW103064 | 10BL159568                         | Bore      |            | Monitoring |                            | 21/08/2000    |                 | 5.00              |                 |         |             |            | 1406 m | West  |
| GW103068 | 10BL159568                         | Bore      |            | Monitoring |                            | 24/09/1999    | 5.00            | 5.00              |                 |         |             |            | 1407 m | West  |
| GW103063 | 10BL159568                         | Bore      |            | Monitoring |                            | 21/08/2000    |                 | 5.00              |                 |         |             |            | 1407 m | West  |
| GW103066 | 10BL159568                         | Bore      |            | Monitoring |                            | 23/09/1999    | 4.70            | 6.00              |                 |         |             |            | 1407 m | West  |
| GW103058 | 10BL159568                         | Bore      |            | Monitoring |                            | 23/09/1999    | 6.20            | 6.20              |                 |         |             |            | 1407 m | West  |
| GW103065 | 10BL159568                         | Bore      |            | Monitoring |                            | 23/09/1999    | 5.20            | 6.00              |                 |         |             |            | 1407 m | West  |
| GW108477 | 10BL601191, 10WA109158             | Spear     | Private    | Domestic   |                            | 07/02/2007    | 8.00            | 8.00              |                 |         |             |            | 1459 m | East  |
| GW107418 | 10BL162920, 10WA108666             | Spear     | Private    | Domestic   | B & B Drilling Inc         | 21/10/2005    | 11.50           | 11.50             | Good            | 3.50    | 1.000       |            | 1459 m | West  |
| GW110667 | 10BL601301, 10WA109171             | Spear     | Private    | Domestic   | B & B Drilling Inc         | 02/10/2004    | 6.00            | 6.00              | Good            | 3.00    | 0.500       |            | 1470 m | East  |
| GW111312 | 10BL601913, 10WA109213             | Spear     | Private    | Domestic   |                            | 01/06/2007    | 8.00            | 8.00              |                 |         |             |            | 1472 m | East  |
| GW111455 | 10BL601644, 10WA109197             | Spear     | Private    | Domestic   |                            | 09/04/2011    | 10.00           | 10.00             |                 |         |             |            | 1483 m | East  |
| GW107591 | 10BL165652, 10WA109007             | Spear     | Private    | Domestic   |                            | 01/11/2005    | 10.00           | 10.00             |                 |         |             |            | 1510 m | East  |
| GW108823 | 10BL165669, 10WA109009             | Spear     | Private    | Domestic   |                            | 17/01/2007    | 11.50           | 11.50             | Good            |         | 1.000       |            | 1514 m | East  |
| GW107671 | 10BL164145, 10WA108837             | Spear     | Private    | Domestic   |                            | 01/09/2005    | 9.50            | 9.50              |                 |         |             |            | 1537 m | East  |
| GW107877 | 10BL164828, 10WA108934             | Spear     | Private    | Domestic   | B & B Drilling Inc         | 27/04/2005    | 6.00            | 6.00              |                 | 2.00    | 0.500       |            | 1568 m | East  |
| GW106321 | 10BL163398, 10WA108729             | Spear     | Private    | Domestic   | B & B Drilling Inc         | 01/07/2004    | 4.00            | 4.00              | Good            | 2.00    | 0.500       |            | 1569 m | East  |
| GW111116 | 10BL600175, 10WA109055             | Bore      | Private    | Domestic   |                            | 27/04/2006    | 11.00           | 11.00             |                 | 6.50    |             |            | 1583 m | East  |

| GW No.   | Licence No                         | Work Type | Owner Type | Purpose                | Contractor                 | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m) | Yield (L/s) | Elev (AHD) | Dist   | Dir        |
|----------|------------------------------------|-----------|------------|------------------------|----------------------------|---------------|-----------------|-------------------|-----------------|---------|-------------|------------|--------|------------|
| GW111597 | 10BL165353, 10WA108973             | Spear     | Private    | Domestic               | Anthony ANASTOPOULOS       | 01/01/2005    | 7.00            | 7.00              |                 | 4.50    |             |            | 1597 m | East       |
| GW109251 | 10BL602487                         | Bore      | Private    | Monitoring             | Invirodrill                | 21/08/2008    | 3.00            | 3.00              | Fresh           | 1.42    |             |            | 1627 m | South      |
| GW109252 | 10BL602487                         | Bore      | Private    | Monitoring             | Invirodrill                | 21/08/2008    | 2.70            | 2.70              | Fresh           | 1.36    |             |            | 1637 m | South      |
| GW107529 | 10BL163432, 10WA108735             | Spear     | Private    | Domestic               |                            | 17/10/2005    | 5.80            | 5.80              | Good            | 2.13    | 1.000       |            | 1640 m | East       |
| GW106471 | 10BL163135, 10WA108697             | Spear     | Private    | Domestic               | B & B Drilling Inc         | 22/11/2004    | 2.00            | 2.00              |                 |         |             |            | 1691 m | North West |
| GW108001 | 10BL600034, 10BL600602, 10CA107741 | Bore      |            | Irrigation, Recreation | Intertec Drilling Services | 01/03/2006    | 18.70           | 18.70             | 210             | 1.90    | 6.500       |            | 1693 m | East       |
| 213007   |                                    |           |            | UNK                    |                            |               |                 |                   |                 |         |             | 74.70      | 1730 m | South West |
| GW106480 | 10BL164194, 10WA107544             | Spear     | Private    | Stock                  | B & B Drilling Inc         | 21/10/2004    | 4.00            | 4.00              |                 | 2.00    | 0.500       |            | 1749 m | East       |
| GW100020 | 10BL156660, 10WA108348             | Spear     | School     | Domestic               | A Korkadis                 | 01/05/1995    | 9.00            | 9.00              | Good            | 6.70    | 1.000       |            | 1757 m | South      |
| GW100294 | 10BL153234                         | Bore      | Private    | Monitoring             | Hydro Plan Pty Ltd         | 05/08/1993    | 20.00           | 20.00             |                 | 6.70    | 6.110       |            | 1757 m | South      |
| GW100471 | 10BL157011, 10WA108362             | Bore      |            | Domestic               | B & E Bores                | 29/09/1995    | 6.00            |                   |                 |         |             |            | 1757 m | South      |
| GW100393 | 10BL154628                         | Bore      | Private    | Monitoring             | Hydro Plan Pty Ltd         | 06/08/1993    | 20.00           | 20.00             |                 |         |             |            | 1757 m | South      |
| GW100841 | 10BL157561, 10WA108378             | Spear     | Private    | Domestic               |                            | 29/03/1996    | 10.00           | 10.00             |                 |         |             |            | 1757 m | South      |
| GW111466 | 10BL604315                         | Spear     | Private    | Domestic               | B&B Drilling               | 01/03/2011    | 4.00            | 4.00              |                 | 2.00    | 0.500       |            | 1801 m | East       |
| GW105706 | 10BL161707, 10CA107741             | Bore      |            | Irrigation, Recreation | B & B Drilling Inc         | 12/02/1996    | 20.00           | 21.00             | Good            | 3.50    | 8.000       |            | 1808 m | East       |
| GW026441 | 10BL018724, 10WA107775             | Bore      | Local Govt | Irrigation             |                            | 01/07/1966    | 8.20            | 8.20              | Potable         |         |             |            | 1810 m | East       |
| GW027414 | 10BL020157, 10WA107777             | Bore      | Private    | Irrigation             |                            | 01/09/1965    | 16.30           | 16.30             |                 |         |             |            | 1814 m | East       |
| GW105473 | 10BL162422                         | Bore      |            | Monitoring             |                            | 12/06/2003    | 2.40            | 2.40              |                 |         |             |            | 1815 m | South West |
| GW106322 | 10BL163399, 10WA107530             | Spear     | Private    | Domestic               | B & B Drilling Inc         | 12/07/2004    | 6.00            | 6.00              | Good            | 2.00    | 0.500       |            | 1845 m | East       |
| GW108410 | 10BL600720, 10WA107615             | Spear     | Private    | Domestic               |                            | 20/01/2007    | 12.00           | 13.00             |                 |         |             |            | 1851 m | East       |
| GW106267 | 10BL163163, 10WA107520             | Spear     | Private    | Domestic               |                            | 30/07/2004    | 9.46            | 9.46              | Good            | 6.10    | 1.000       |            | 1860 m | East       |
| GW108684 | 10BL600839, 10CA107741             | Bore      | Private    | Recreation             | B & B Drilling Inc         | 12/02/1996    | 20.00           | 21.00             | Good            | 3.50    | 8.000       |            | 1861 m | East       |
| GW110678 | 10BL603651, 10WA107700             | Bore      | Private    | Domestic               |                            | 02/01/2010    | 10.00           | 10.00             |                 |         |             |            | 1862 m | East       |
| GW105932 | 10BL163161, 10WA107519             | Bore      |            |                        |                            | 18/05/2005    |                 |                   |                 |         |             |            | 1863 m | East       |
| GW108435 | 10BL165449, 10WA107577             | Spear     | Private    | Domestic               |                            | 02/09/2005    | 5.50            | 5.50              |                 | 4.00    | 1.200       |            | 1927 m | East       |
| GW111911 | 10BL602217, 10WA107665             | Bore      | Private    | Domestic               |                            | 01/05/2008    | 12.00           | 12.00             |                 | 11.00   |             |            | 1931 m | East       |
| GW108401 | 10BL600677, 10WA109105             | Spear     | Private    | Domestic               |                            | 15/10/2007    | 18.00           | 18.00             |                 |         |             |            | 1938 m | East       |
| GW108830 | 10BL164483, 10WA107555             | Spear     | Private    | Domestic               |                            | 28/05/2007    | 7.93            | 7.93              |                 | 4.88    | 1.000       |            | 1957 m | East       |
| GW110872 | 10BL600609, 10WA107609             | Spear     | Private    | Domestic               |                            | 01/01/2006    | 8.00            |                   |                 | 2.00    | 2.500       |            | 1971 m | East       |
| GW107319 | 10BL163321, 10WA107526             | Spear     | Private    | Domestic               |                            | 20/07/2005    | 8.54            | 8.54              |                 | 5.49    | 1.000       |            | 1973 m | East       |
| GW105985 | 10BL162684, 10WA107509             | Spear     | Private    | Domestic               |                            | 05/03/2004    | 5.00            | 5.00              |                 |         |             |            | 1980 m | East       |
| GW107066 | 10BL164627, 10WA108908             | Spear     | Private    | Domestic               |                            | 17/04/2005    | 9.50            | 9.50              |                 |         |             |            | 1989 m | South East |
| GW112483 | 10BL603690, 10WA107702             | Bore      | Private    | Domestic               |                            | 01/01/2010    | 8.00            | 8.00              |                 |         |             |            | 1991 m | East       |

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

# Hydrogeology & Groundwater

19-27 Cross Street, Double Bay, NSW 2028

## Driller's Logs

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

| Groundwater No | Drillers Log  | Distance | Direction  |
|----------------|---|----------|------------|
| GW106048       | 0.00m-6.00m sand  | 124m     | North East |
| GW106047       | 0.00m-6.00m sand  | 143m     | North East |
| GW107680       | -2.60m-1.40m sand, clean coarse<br>1.40m-1.50m siltband, thin<br>1.50m-2.75m sand, silty  | 151m     | North East |
| GW106436       | 0.00m-6.10m sand, unconsolidated  | 189m     | North      |
| GW107331       | 0.00m-4.88m Sand, unconsolidated  | 224m     | North      |
| GW108695       | 0.00m-7.01m sand,   | 229m     | North      |
| GW106852       | 0.00m-0.30m topsoil<br>0.30m-2.50m sand, brown<br>2.50m-4.00m sand, grey  | 231m     | North      |
| GW106100       | 0.00m-0.30m topsoil<br>0.30m-5.00m sand, silty brown<br>5.00m-6.00m sand, white   | 241m     | North East |
| GW026440       | 0.00m-0.45m Topsoil Dark Brown Loamy<br>0.45m-1.82m Sand Dark Brown<br>1.82m-4.95m Sand Fossils:plant Remains<br>4.95m-9.39m Sand Water Supply<br>9.39m-10.66m Sand Dark Brown Water Supply | 267m     | North West |
| GW106531       | 0.00m-2.00m fill<br>2.00m-6.10m sand  | 269m     | North East |
| GW108635       | 0.00m-0.30m topsoil<br>0.30m-3.90m sand, yellow<br>3.90m-4.00m sand, grey   | 283m     | North East |
| GW110444       | 0.00m-8.00m SAND  | 301m     | South East |
| GW107332       | 0.00m-5.49m Sand, unconsolidated  | 327m     | North East |
| GW100462       | 0.00m-0.30m TOPSOIL<br>0.30m-3.00m YELLOW SAND<br>3.00m-5.50m GREY SILTY SAND<br>5.50m-8.00m WHITE SAND   | 328m     | North West |
| GW108583       | 0.00m-7.93m Sand, unconsolidated  | 332m     | West       |
| GW107539       | 0.00m-13.00m sand   | 348m     | South West |
| GW108791       | 0.00m-8.23m sand  | 365m     | West       |
| GW106432       | 0.00m-7.00m sand  | 366m     | North West |
| GW107412       | 0.00m-5.00m sand  | 375m     | North West |
| GW111387       | 0.00m-10.00m SAND   | 388m     | South      |
| GW107454       | 0.00m-9.00m sand  | 449m     | South East |
| GW106662       | 0.00m-9.00m sand  | 457m     | South East |

| Groundwater No | Drillers Log   | Distance | Direction  |
|----------------|--|----------|------------|
| GW108413       | 0.00m-8.00m sand   | 559m     | South      |
| GW108251       | 0.00m-1.50m sand, loose rocks<br>1.50m-5.80m sand, fine<br>5.80m-7.00m sandstone, soft<br>7.00m-9.00m sandstone, light brown<br>9.00m-15.00m sandstone, grey<br>15.00m-19.00m siltstone<br>19.00m-97.00m sandstone, grey<br>97.00m-97.50m sandstone, fine quartz<br>97.50m-110.50m sandstone, grey<br>110.50m-110.80m sandstone, quartz<br>110.80m-166.00m sandstone, grey<br>166.00m-168.00m sandstone, siltstone<br>168.00m-173.00m siltstone<br>173.00m-185.00m sandstone, with siltstone bands<br>185.00m-210.00m sandstone, grey hard   | 569m     | East       |
| GW107323       | 0.00m-0.80m fill<br>0.80m-4.30m sand, white<br>4.30m-5.70m sandstone, weathered<br>5.70m-8.90m sandstone, light grey<br>8.90m-13.00m sandstone, light grey & grey shale<br>13.00m-24.00m sandstone, light grey<br>24.00m-25.00m shale, silty grey<br>25.00m-25.80m sandstone, light grey<br>25.80m-27.20m shale, silty grey<br>27.20m-55.40m sandstone, grey<br>55.40m-55.80m shale, grey<br>55.80m-56.50m sandstone, grey<br>56.50m-57.00m sandstone, grey coarse grained, water bearing<br>57.00m-71.70m sandstone, grey<br>71.70m-72.00m sandstone, grey, grey siltstone<br>72.00m-105.50m sandstone, grey some small quartz bands<br>105.50m-105.70m clay, light grey, soft<br>105.70m-106.00m sandstone, light brown, water bearing<br>106.00m-114.00m sandstone, grey light brown<br>114.00m-118.20m siltstone, dark grey<br>118.20m-162.50m sandstone, light grey | 572m     | North West |
| GW107624       | 0.00m-9.50m sand   | 617m     | South      |
| GW106024       | 0.00m-7.01m sand, unconsolidated   | 633m     | North East |
| GW111309       | 0.00m-7.50m SAND SOFT YELLOW<br>7.50m-8.00m ROCK WEATHERED LIGHT BROWN COFFEE<br>8.00m-52.00m SANDSTONE YELLOW/WHITE RED   | 636m     | South      |
| GW063030       | 0.00m-1.00m Sand Peaty<br>1.00m-10.00m Sand Grey Water Bearing Water Supply<br>10.00m-11.00m Sand Peaty<br>11.00m-12.00m Clay Grey Soft  | 654m     | South East |
| GW063031       | 0.00m-1.00m Sand Peaty<br>1.00m-10.00m Sand Grey Water Bearing Water Supply  | 654m     | South East |
| GW017477       | 0.00m-6.09m Sand   | 662m     | North East |
| GW107031       | 0.00m-4.00m Sand, white<br>4.00m-9.00m Sandstone, yellow<br>9.00m-10.00m Shale & grey Sandstone<br>10.00m-59.00m Sandstone, white<br>59.00m-81.00m Sandstone, grey<br>81.00m-93.00m Sandstone, grey with small seams or Shale  | 710m     | East       |
| GW107358       | 0.00m-0.20m fill<br>0.20m-0.50m sand, light brown<br>0.50m-1.40m clay, dark brown sandy<br>1.40m-2.00m sand, golden<br>2.00m-3.50m sandstone, brown weathered<br>3.50m-7.60m sandstone, light grey<br>7.60m-8.10m shale, grey<br>8.10m-22.50m sandstone, light grey<br>22.50m-22.70m shale, black, mineralised, water bearing<br>22.70m-24.10m sandstone, light grey<br>24.10m-24.30m shale, black, mineralised, water bearing<br>24.30m-60.60m sandstone, light grey<br>60.60m-61.00m siltstone, dark grey/grey sandstone & quartz, water bearing<br>61.00m-78.40m sandstone, light grey<br>78.40m-129.80m sandstone, light grey & some quartz bands<br>129.80m-180.50m sandstone, light grey with siltstone bands  | 720m     | South West |
| GW109676       | 0.00m-4.88m UNCONSOLIDATED ALL SANDS   | 726m     | North East |

| Groundwater No | Drillers Log   | Distance | Direction  |
|----------------|--|----------|------------|
| GW109677       | 0.00m-4.88m UNCONSOLIDATED ALL SANDS   | 727m     | North East |
| GW110840       | 0.00m-8.00m SAND   | 749m     | South East |
| GW106265       | 0.00m-1.30m fill<br>1.30m-3.00m sand, yellow<br>3.00m-28.80m sandstone, light grey, brown<br>28.80m-29.20m siltstone, dark grey<br>29.20m-47.00m sandstone, light grey<br>47.00m-47.30m shale, grey<br>47.30m-47.60m siltstone, light brown<br>47.60m-80.70m sandstone, light grey<br>80.70m-80.90m shale, grey<br>80.90m-81.50m sandstone, grey<br>81.50m-84.00m siltstone, grey<br>84.00m-90.30m sandstone, grey<br>90.30m-90.90m shale, grey<br>90.90m-101.50m sandstone, light gey<br>101.50m-102.00m siltstone<br>102.00m-131.00m sandstone, light grey & quartz<br>131.00m-133.00m sandstone, grey and quartz<br>133.00m-152.30m sandstone, light grey and quartz<br>152.30m-152.70m siltstone, black<br>152.70m-180.50m sandstone, light grey som quartz<br>180.50m-180.70m shale, dark grey<br>180.70m-191.50m sandstone, grey<br>191.50m-193.50m siltstone, dark grey<br>193.50m-194.50m sandstone, light grey and quartz<br>194.50m-196.50m siltstone, dark grey<br>196.50m-198.50m sandstone, dark grey | 774m     | South West |
| GW106429       | 0.00m-0.30m topsoil<br>0.30m-4.00m sand, yellow  | 780m     | North East |
| GW113383       | 0.00m-0.30m TOPSOIL<br>0.30m-1.30m SAND YELLOW<br>1.30m-4.50m CLAY GREY SILTY<br>4.50m-6.80m SAND SILTY GREY<br>6.80m-8.00m SANDSTONE ORANGE DECOMPOSED  | 873m     | North West |
| GW106102       | 0.00m-11.00m sand<br>11.00m-15.60m sand, stone with colour layers<br>15.60m-16.60m shale<br>16.60m-25.00m sandstone, white<br>25.00m-42.00m sandstone, white with colour layers<br>42.00m-58.00m sandstone, white with colour layers<br>58.00m-68.00m sandstone, white bits of shale<br>68.00m-94.00m sandstone, white with shale  | 919m     | East       |
| GW101526       | 0.00m-3.80m FILL. ROCKS, BRICK AND SAND<br>3.80m-4.50m PEAT, BLACK<br>4.50m-9.80m SAND, BROWN, PEATY<br>9.80m-14.00m SAND, WHITE (GOOD)<br>14.00m-16.00m SAND, GREY, WITH CLAY SEAMS   | 924m     | South      |
| GW106823       | 0.00m-16.00m SAND<br>16.00m-16.20m SANDSTONE SOFT<br>16.20m-16.50m IRONSTONE<br>16.50m-21.00m SANDSTONE/IRONSTONE BANDS<br>21.00m-21.50m CLAY WHITE<br>21.50m-25.00m SANDSTONE,IRONSTONE,QUARTZ<br>25.00m-31.00m SANDSTONE L/BROWN<br>31.00m-40.00m SANDSTONE L/GREY<br>40.00m-40.50m SANDSTONE,QUARTZ<br>40.50m-49.00m SANDSTONE GREY<br>49.00m-50.00m SANDSTONE , QUARTZ<br>50.00m-52.00m SANDSTONE GREY<br>52.00m-56.00m SANDSTONE, QUARTZ<br>56.00m-61.50m SANDSTONE GREY<br>61.50m-68.50m SANDSTONE/QUARTZ BANDS<br>68.50m-69.50m SANDSTONE,QUARTZ<br>69.50m-70.00m SILTSTONE<br>70.00m-70.50m SANDSTONE FRACTURED SOFT<br>70.50m-71.50m SANDSTONE GREY<br>71.50m-72.50m SILTSTONE<br>72.50m-81.00m SANDSTONE , QUARTZ BANDS<br>81.00m-93.50m SANDSTONE GREY<br>93.50m-94.00m SANDSTONE,QUARTZ SOFT<br>94.00m-102.50m SANDSTONE GREY  | 985m     | North East |



| Groundwater No | Drillers Log  | Distance | Direction  |
|----------------|---|----------|------------|
| GW109378       | 0.00m-13.00m SANDY CLAY<br>13.00m-20.00m SANDSTONE WEATHERED<br>20.00m-21.00m CLAYSTONE<br>21.00m-44.00m SANDSTONE GREY<br>44.00m-48.00m SANDSTONE QUARTZ<br>48.00m-53.00m SANDSTONE CLAY BANDS<br>53.00m-60.00m SANDSTONE GREY<br>60.00m-61.00m SANDSTONE CLAY BANDS<br>61.00m-66.00m SANDSTONE QUARTZ<br>66.00m-70.00m SANDSTONE GREY<br>70.00m-71.50m SHALE<br>71.50m-79.00m SANDSTONE GREY<br>79.00m-84.00m SANDSTONE QUARTZ<br>84.00m-86.00m SANDSTONE GREY<br>86.00m-86.50m SANDSTONE FRACTURED<br>86.50m-94.50m SANDSTONE GREY<br>94.50m-100.00m SANDSTONE QUARTZ<br>100.00m-112.00m SANDSTONE GREY<br>112.00m-119.00m SANDSTONE QUARTZ<br>119.00m-126.00m SANDSTONE GREY<br>126.00m-134.00m SANDSTONE QUARTZ<br>134.00m-142.00m SANDSTONE GREY<br>142.00m-142.50m SILTSTONE<br>142.50m-150.00m SANDSTONE GREY | 992m     | East       |
| GW017907       | 0.00m-12.49m Sand Water Supply  | 1014m    | South      |
| GW108586       | 0.00m-8.00m Sand  | 1034m    | South      |
| GW109375       | 0.00m-1.00m BROWN SOIL<br>1.00m-3.50m BROWN SAND<br>3.50m-3.80m BLACK PEATY SAND<br>3.80m-5.00m SANDY BROWN CLAY<br>5.00m-6.00m BLACK PEATY SAND<br>6.00m-13.50m BROWN SILTY SAND   | 1036m    | South West |
| GW111789       | 0.00m-3.00m SAND<br>3.00m-7.00m SANDSTONE YELLOW<br>7.00m-24.00m SANDSTONE WHITE SOFT<br>24.00m-102.00m SANDSTONE/SHALE BANDS<br>102.00m-124.00m SANDSTONE /QUARTZ<br>124.00m-128.00m SHALE<br>128.00m-138.00m SANDSTONE / SHALE  | 1039m    | East       |
| GW026439       | 0.00m-1.79m Clay Rubble<br>1.79m-2.13m Clay<br>2.13m-5.18m Sand White Fossils:carbonised Wood Water Supply<br>5.18m-7.92m Sand White Clean Water Supply   | 1082m    | West       |
| GW106478       | 0.00m-6.00m sand  | 1160m    | East       |
| GW100467       | 0.00m-0.20m BROWN SANDY SOIL<br>0.20m-1.30m FILL SAND, BRICKS, BOTTLES<br>1.30m-6.50m BROWN SAND<br>6.50m-12.00m YELLOW SAND<br>12.00m-13.00m BROWN SAND<br>13.00m-14.50m VERY SILTY BROWN SAND<br>14.50m-15.50m GREY CLAY  | 1163m    | West       |
| GW107613       | 0.00m-7.00m sand  | 1177m    | East       |
| GW111560       | 0.00m-7.00m ALL SAND  | 1188m    | North East |
| GW054640       | 0.00m-3.00m Sand Grey Clayey<br>3.00m-4.50m Sand White<br>4.50m-8.20m Peat Sandy<br>8.20m-8.50m Peat<br>8.50m-9.10m Sand White<br>9.10m-9.20m Peat<br>9.20m-10.10m Sand White<br>10.10m-11.60m Sand Grey Peaty<br>11.60m-11.70m Peat<br>11.70m-14.30m Sand<br>14.30m-17.90m Sand Peaty<br>17.90m-18.90m Peat<br>18.90m-19.80m Sand Peaty<br>19.80m-20.10m Peat<br>20.10m-24.40m Clay Sandy Peaty<br>24.40m-29.00m Sand Grey<br>29.00m-29.90m Clay Grey Sandy  | 1199m    | East       |
| GW107180       | 0.00m-8.00m sand  | 1228m    | East       |

| Groundwater No | Drillers Log  | Distance | Direction |
|----------------|---|----------|-----------|
| GW106462       | 0.00m-0.30m topsoil<br>0.30m-3.20m sand, yellow<br>3.20m-4.50m sand, grey<br>4.50m-6.00m sand, orange   | 1237m    | East      |
| GW017470       | 0.00m-4.57m Sand  | 1241m    | East      |
| GW106552       | 0.00m-0.30m topsoil<br>0.30m-4.30m sand, yellow<br>4.30m-6.00m sand, brown<br>6.00m-7.50m sand, yellow silty  | 1250m    | East      |
| GW108008       | 0.00m-7.00m sand  | 1257m    | East      |
| GW110793       | 0.00m-6.00m ALL SAND  | 1262m    | East      |
| GW110796       | 0.00m-6.00m ALL SAND  | 1263m    | East      |
| GW106116       | 0.00m-0.30m topsoil<br>0.30m-2.50m sand, brown<br>2.50m-4.00m sand, yellow  | 1273m    | East      |
| GW106391       | 0.00m-8.50m sand  | 1285m    | East      |
| GW106835       | 0.00m-0.30m Topsoil<br>0.30m-3.20m Sand, light brown<br>3.20m-4.50m Sand, yellow<br>4.50m-6.00m Sand, coarse, yellow, with orange silty water   | 1285m    | East      |
| GW107874       | 0.00m-6.00m sand  | 1319m    | East      |
| GW106475       | 0.00m-5.00m sand<br>5.00m-10.00m clay<br>10.00m-11.00m sand<br>11.00m-20.00m clay   | 1326m    | East      |
| GW106866       | 0.00m-5.18m Sand, unconsolidated  | 1330m    | East      |
| GW107515       | 0.00m-0.50m topsoil<br>0.50m-2.50m sand, yellow<br>2.50m-4.00m sand, grey   | 1351m    | East      |
| GW106583       | 0.00m-0.30m topsoil<br>0.30m-4.20m sand, brown silty<br>4.20m-6.00m sand, light brown   | 1357m    | East      |
| GW106216       | 0.00m-0.30m topsoil<br>0.30m-2.20m sand, brown<br>2.20m-5.00m sand, dark yellow   | 1361m    | East      |
| GW106911       | 0.00m-0.40m BLACK SAND ,CLAY<br>0.40m-0.80m DARK GREY SHALE<br>0.80m-2.40m DARK GREY SAND<br>2.40m-3.30m DARK GREY SANDY CLAY<br>3.30m-6.60m GREY SANDSTONE<br>6.60m-8.10m BROWN SANDSTONE<br>8.10m-9.40m GREY SANDSTONE<br>9.40m-9.60m GREY SHALE<br>9.60m-16.50m GREY SANDSTONE<br>16.50m-17.10m GREY SANDSTONE FRACTURED<br>17.10m-27.40m LT GREY SANDSTONE<br>27.40m-27.50m GREY CLAY<br>27.50m-33.50m LT GREY SANDSTONE<br>33.50m-34.10m DARK GREY SHALE<br>34.10m-42.60m GREY SANDSTONE | 1367m    | West      |
| GW108790       | 0.00m-8.00m sand  | 1373m    | East      |
| GW113011       | 0.00m-8.00m SAND  | 1380m    | East      |
| GW111112       | 0.00m-7.95m UNCONSOLIDATED ALL SAND   | 1402m    | East      |
| GW103059       | 0.00m-5.00m FILL<br>5.00m-6.00m SAND  | 1405m    | West      |
| GW103062       | 0.00m-4.10m FILL<br>4.10m-6.20m SAND  | 1406m    | West      |
| GW103064       | 0.00m-3.60m FILL<br>3.60m-5.00m SAND  | 1406m    | West      |

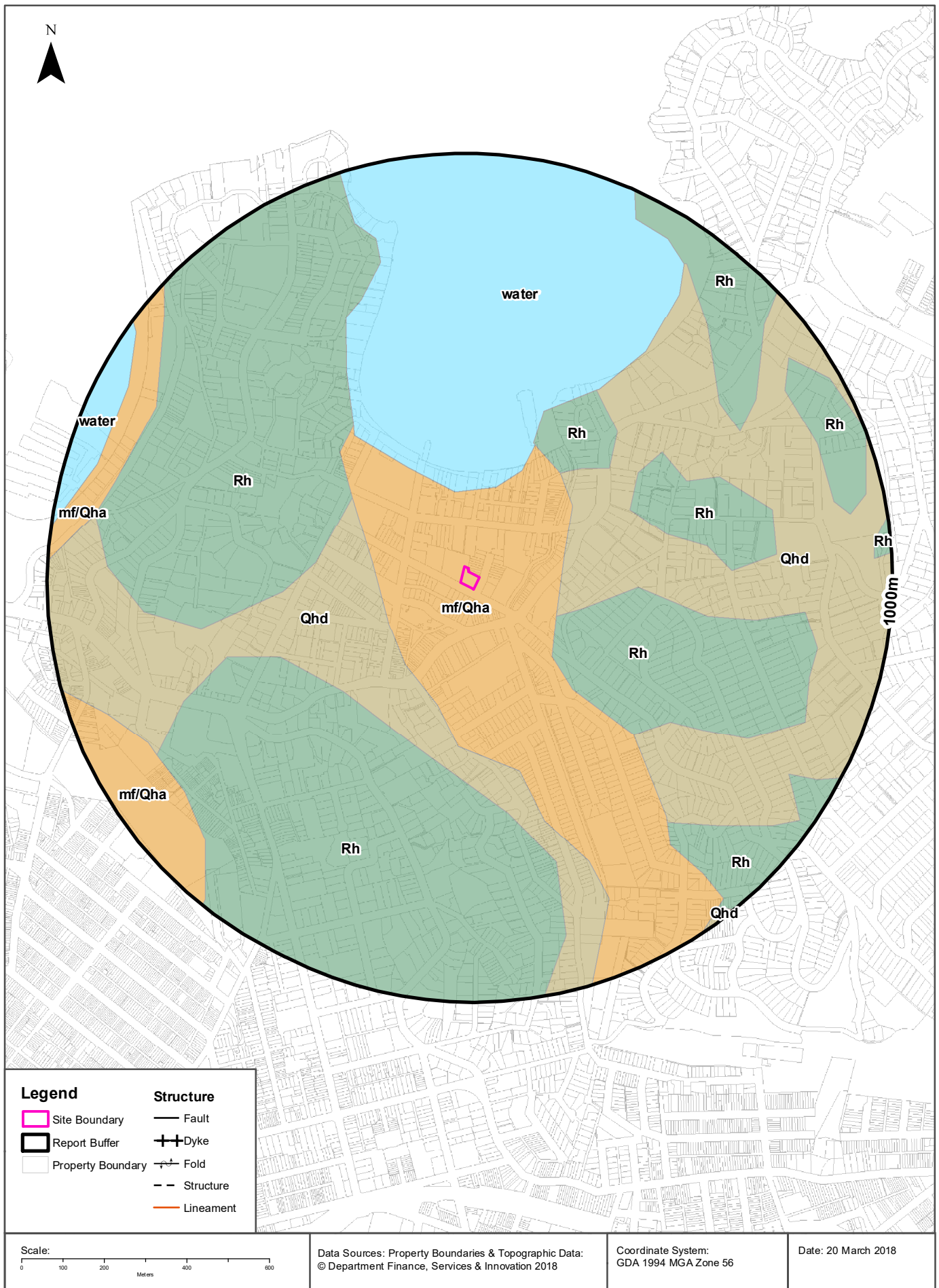
| Groundwater No | Drillers Log  | Distance | Direction  |
|----------------|---|----------|------------|
| GW103067       | 0.00m-4.00m fill<br>4.00m-4.80m sand<br>4.80m-5.00m sandstone   | 1406m    | West       |
| GW103058       | 0.00m-5.00m FILL<br>5.00m-6.20m SAND  | 1407m    | West       |
| GW103063       | 0.00m-3.50m FILL<br>3.50m-5.00m SAND  | 1407m    | West       |
| GW103065       | 0.00m-4.00m fill<br>4.00m-6.00m sand  | 1407m    | West       |
| GW103066       | 0.00m-4.70m fill<br>4.70m-6.00m sandstone   | 1407m    | West       |
| GW103068       | 0.00m-3.90m FILL<br>3.90m-5.00m SANDSTONE   | 1407m    | West       |
| GW107418       | 0.00m-0.10m bitumen<br>0.10m-1.50m fill, round bands<br>1.50m-7.00m sand, grey silty<br>7.00m-11.50m sand, yellow silty   | 1459m    | West       |
| GW108477       | 0.00m-8.00m Sand  | 1459m    | East       |
| GW110667       | 0.00m-0.30m TOPSOIL<br>0.30m-2.50m SAND YELLOW<br>2.50m-4.30m SAND BROWN SILTY<br>4.30m-6.00m SAND GREY   | 1470m    | East       |
| GW107591       | 0.00m-10.00m sand   | 1510m    | East       |
| GW108823       | 0.00m-11.50m sand   | 1514m    | East       |
| GW107671       | 0.00m-9.50m sand  | 1537m    | East       |
| GW107877       | 0.00m-0.30m topsoil<br>0.30m-2.40m sand, yellow<br>2.40m-6.00m sand, brown  | 1568m    | East       |
| GW106321       | 0.00m-0.30m topsoil<br>0.30m-2.50m sand, yellow<br>2.50m-4.00m sand, brown  | 1569m    | East       |
| GW111116       | 0.00m-11.00m CONSOLIDATED SANDS   | 1583m    | East       |
| GW111597       | 0.00m-6.00m SAND GREY,NO ODOUR,CLEAN WATER  | 1597m    | East       |
| GW109251       | 0.00m-0.40m FILL,GRAVELY SILTY CLAY SANDSTONE<br>0.40m-3.00m SANDSTONE WEATHERED, WET AT 1.95M  | 1627m    | South      |
| GW109252       | 0.00m-0.30m FILL,FINE TO MED GRAINED SAND<br>0.30m-2.70m SANDSTONE WEATHERED , WET @ 1.8m   | 1637m    | South      |
| GW107529       | 0.00m-5.79m Sand, unconsolidated  | 1640m    | East       |
| GW106471       | 0.00m-0.50m topsoil<br>0.50m-1.00m sandstone, fill<br>1.00m-2.00m clay, silty sand and sandstone fill   | 1691m    | North West |
| GW108001       | 0.00m-0.70m BRICKS AND FILL AND SAND<br>0.70m-0.80m GREY SAND<br>0.80m-2.90m HEAVY BLACK PEAT<br>2.90m-10.00m LIGHT GREY SAND<br>10.00m-12.00m SAND WITH SMALL PEAT BANDS<br>12.00m-13.50m LIGHT GREY SAND<br>13.50m-16.00m SAND WITH PEAT BANDS<br>16.00m-18.70m LIGHT GREY SAND   | 1693m    | East       |
| GW106480       | 0.00m-0.30m topsoil<br>0.30m-2.50m sand, yellow<br>2.50m-4.00m sand, yellow silty   | 1749m    | East       |
| GW100020       | 0.00m-9.00m UNCONSOLIDATED ALL CLEAN SAND   | 1757m    | South      |
| GW100294       | 0.00m-0.80m FILL<br>0.80m-8.00m YELLOW SAND<br>8.00m-12.20m WHITE SAND,WATER BEARING<br>12.20m-14.20m DARK BROWN PEATY SAND-WATER BEARING<br>14.20m-16.50m DARK BROWN SAND LESS PEATY-WATER BEARING<br>16.50m-18.00m LIGHT BROWN SAND, HIGH WATER BEARING<br>18.00m-19.00m YELLOW SILTY SAND WITH GREY CLAY<br>19.00m-20.00m DECOMPOSED SANDSTONE, GETTING HARDER | 1757m    | South      |

| Groundwater No | Drillers Log  | Distance | Direction  |
|----------------|---|----------|------------|
| GW100393       | 0.00m-0.80m FILL<br>0.80m-12.80m YELLOW SAND - WATER BEARING<br>12.80m-15.20m WHITE SILTY SAND - WATER BEARING<br>15.20m-18.00m YELLOW SAND - HIGH WATER BEARING<br>18.00m-19.00m YELLOW SILTY SAND WITH GREY CLAY<br>19.00m-20.00m DECOMPOSED SAND STONE   | 1757m    | South      |
| GW100841       | 0.00m-10.00m SAND   | 1757m    | South      |
| GW111466       | 0.00m-0.30m TOPSOIL<br>0.30m-4.00m SAND WHITE   | 1801m    | East       |
| GW105706       | 0.00m-0.20m BROWN SANDY TOP SOIL<br>0.20m-1.10m YELLOW SAND WITH SHELLS<br>1.10m-3.00m BROWN CLAY<br>3.00m-5.50m LIGHT BROWN SAND<br>5.50m-8.50m GREY SILTY SAND<br>8.50m-10.50m DARK GREY SAND<br>10.50m-11.50m LIGHT BROWN SILTY SAND<br>11.50m-13.00m WHITE SAND<br>13.00m-16.00m SILTY YELLOW SAND<br>16.00m-19.50m WHITE SILTY SAND<br>19.50m-20.50m WHITE SAND WITH CLAY<br>20.50m-21.00m WHITE SANDSTONE     | 1808m    | East       |
| GW026441       | 0.00m-0.10m Made Ground<br>0.10m-2.43m Sand Fossils:shell Fragments<br>2.43m-2.74m Peat<br>2.74m-3.65m Sand Fossils:shell Fragments<br>3.65m-4.57m Sand Silt Fossils:shell Fragments Water Supply<br>4.57m-8.22m Sand Grey Wet Fossils:shell Fragments Water Supply   | 1810m    | East       |
| GW027414       | 0.00m-0.30m Made Ground<br>0.30m-0.60m Sand White Silty<br>0.60m-1.92m Peat Black Sandy<br>1.92m-2.68m Sand White<br>2.68m-6.24m Sand<br>6.24m-6.40m Clay Grey Sandy<br>6.40m-14.93m Sand White Water Supply<br>14.93m-16.30m Sand White Water Supply Clay Bands  | 1814m    | East       |
| GW105473       | 0.00m-2.00m SAND,GREY/BROWN,MEDIUM GRAINED<br>2.00m-2.40m SANDSTONE,BEDROCK   | 1815m    | South West |
| GW106322       | 0.00m-0.30m topsoil<br>0.30m-3.00m sand, yellow<br>3.00m-6.00m sand, brown silty  | 1845m    | East       |
| GW108410       | 0.00m-12.00m sand<br>12.00m-13.00m clay   | 1851m    | East       |
| GW106267       | 0.00m-9.46m sand, unconsolidated  | 1860m    | East       |
| GW108684       | 0.00m-0.20m BROWN SANDY TOPSOIL<br>0.20m-1.10m YELLOW SAND WITH SHELLS<br>1.10m-3.00m BROWN PEAT<br>3.00m-5.50m LIGHT BROWN SAND<br>5.50m-8.50m GREY SILTY SAND<br>8.50m-10.50m DARK GREY SAND,PEAT<br>10.50m-11.50m LIGHT BROWN SILTY SAND<br>11.50m-13.00m WHITE SAND<br>13.00m-16.00m SILTY YELLOW SAND<br>16.00m-19.50m WHITE SILTY SAND<br>19.50m-20.50m WHITE SAND WITH CLAY<br>20.50m-21.00m WHITE SANDSTONE | 1861m    | East       |
| GW110678       | 0.00m-10.00m SAND   | 1862m    | East       |
| GW108435       | 0.00m-5.50m Sand, unconsolidated  | 1927m    | East       |
| GW108401       | 0.00m-18.00m sand   | 1938m    | East       |
| GW108830       | 0.00m-7.93m sand  | 1957m    | East       |
| GW107319       | 0.00m-8.54m Sand, unconsolidated  | 1973m    | East       |
| GW105985       | 0.00m-5.00m sand  | 1980m    | East       |
| GW107066       | 0.00m-9.50m sand  | 1989m    | South East |

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Geology 1:100,000

19-27 Cross Street, Double Bay, NSW 2028





## Geology

19-27 Cross Street, Double Bay, NSW 2028

### Geological Units

What are the Geological Units onsite?

| Symbol | Description  | Unit Name | Group | Sub Group | Age        | Dom Lith | Map Sheet | Dataset   |
|--------|--|-----------|-------|-----------|------------|----------|-----------|-----------|
| mf/Qha | Man-made fill (dredged estuarine sand and mud, demolition rubble, industrial and household waste) overlying silty to peaty quartz sand, silt and clay with ferruginous & humic cementation in places and common shell layers |           |       |           | Quaternary |          | Sydney    | 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   |
|--------|--|-----------|-------|-----------|------------|----------|-----------|-----------|
| mf/Qha | Man-made fill (dredged estuarine sand and mud, demolition rubble, industrial and household waste) overlying silty to peaty quartz sand, silt and clay with ferruginous & humic cementation in places and common shell layers |           |       |           | Quaternary |          | Sydney    | 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   |
|-------------|------|-------------|-----------|-----------|
| No features |      |             |           | 1:100,000 |

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

© State of New South Wales through the NSW Department of Industry, Resources & Energy

# Naturally Occurring Asbestos Potential

19-27 Cross Street, Double Bay, NSW 2028

## Naturally Occurring Asbestos Potential

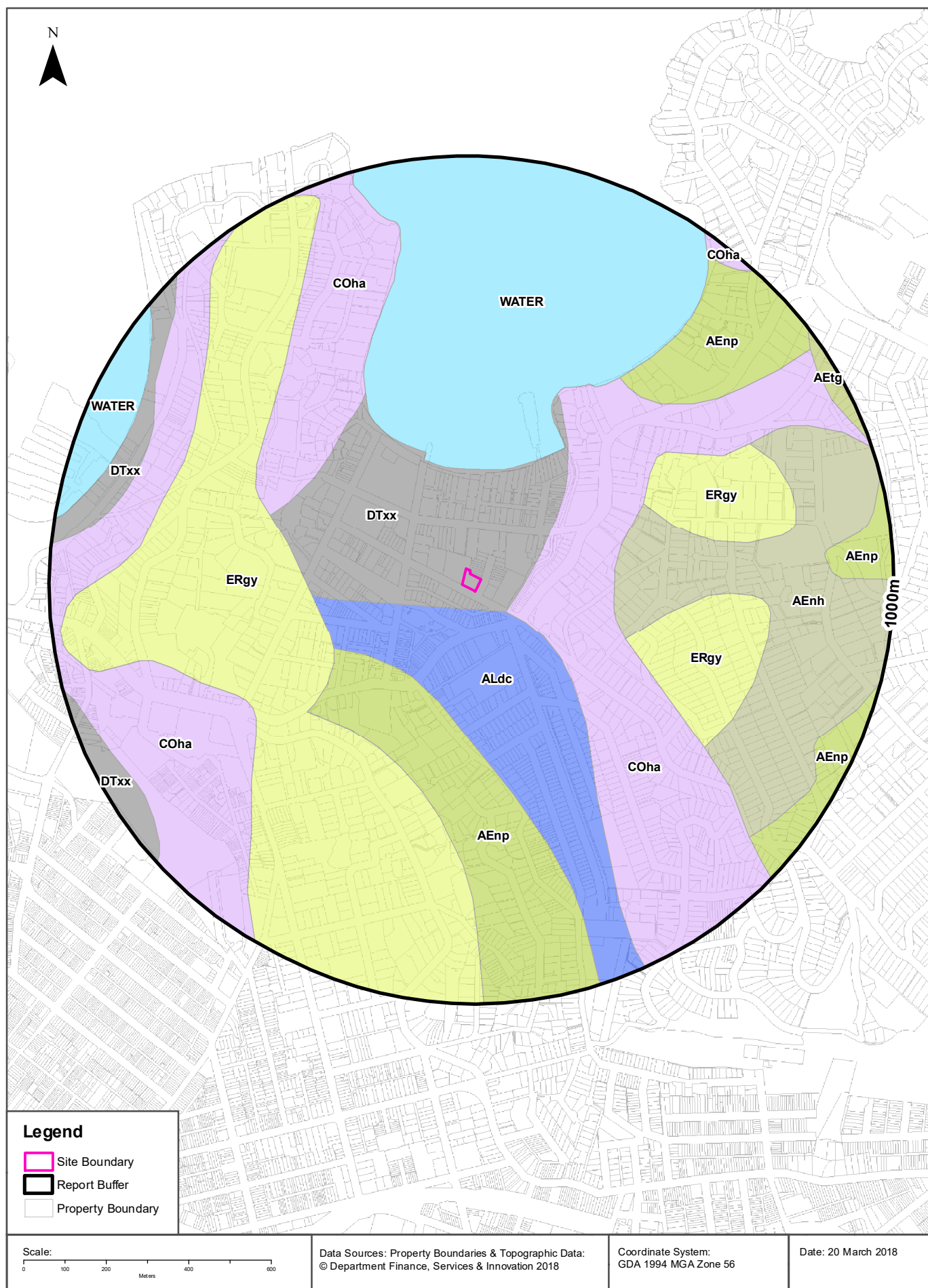
Naturally Occurring Asbestos Potential within the dataset buffer:

| 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

19-27 Cross Street, Double Bay, NSW 2028



## Soils

19-27 Cross Street, Double Bay, NSW 2028

## Soil Landscapes

What are the onsite Soil Landscapes?

| Soil Code | Name              | Group | Process           | Map Sheet | Scale     |
|-----------|-------------------|-------|-------------------|-----------|-----------|
| DTxx      | DISTURBED TERRAIN |       | DISTURBED TERRAIN | Sydney    | 1:100,000 |

What are the Soil Landscapes within the dataset buffer?

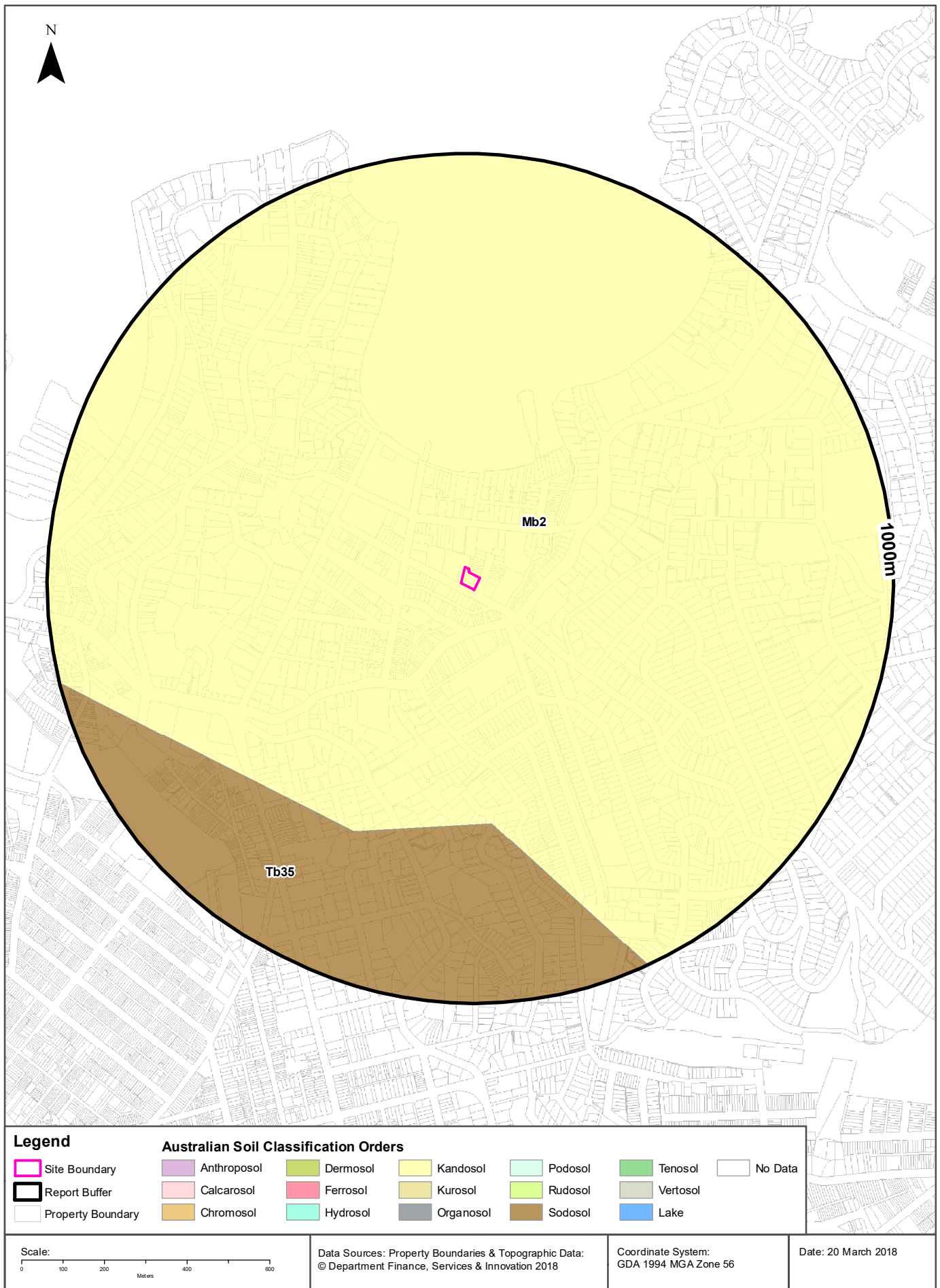
| Soil Code | Name              | Group | Process           | Map Sheet | Scale     |
|-----------|-------------------|-------|-------------------|-----------|-----------|
| AEnh      | NORTH HEAD        |       | AEOLIAN           | Sydney    | 1:100,000 |
| AEnp      | NEWPORT           |       | AEOLIAN           | Sydney    | 1:100,000 |
| AEtg      | TUGGERAH          |       | AEOLIAN           | Sydney    | 1:100,000 |
| ALdc      | DEEP CREEK        |       | ALLUVIAL          | Sydney    | 1:100,000 |
| COha      | HAWKESBURY        |       | COLLUVIAL         | Sydney    | 1:100,000 |
| DTxx      | DISTURBED TERRAIN |       | DISTURBED TERRAIN | Sydney    | 1:100,000 |
| ERgy      | GYMEA             |       | EROSIONAL         | Sydney    | 1:100,000 |
| WATER     | WATER             |       | WATER             | Sydney    | 1:100,000 |

Soils Landscapes Data Source : NSW Office of Environment and Heritage

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Atlas of Australian Soils

19-27 Cross Street, Double Bay, NSW 2028





## Soils

19-27 Cross Street, Double Bay, NSW 2028

### Atlas of Australian Soils

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

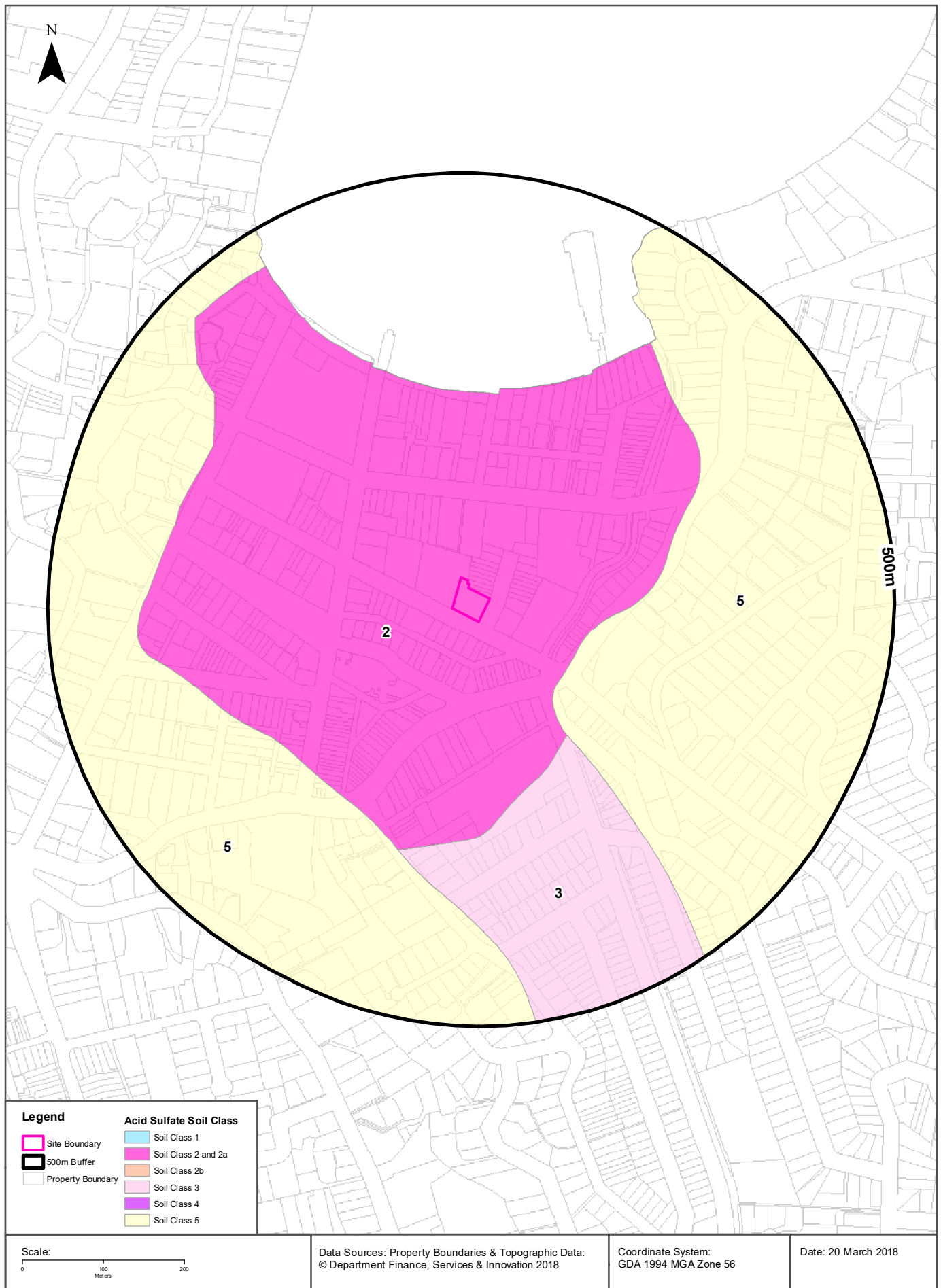
| Map Unit Code | Soil Order | Map Unit Description   | Distance |
|---------------|------------|--|----------|
| Mb2           | Kandosol   | Dissected sandstone plateau of moderate to strong relief with sandstone pillars, ledges, and slabs-- level to undulating ridges, irregularly benched slopes, steep ridges, cliffs, canyons, narrow sandy valleys: chief soils are (i) on areas of gentle to moderate relief, acid yellow leached earths (Gn2.74) and (Gn2.34) and acid leached yellow earths (Gn2.24)-sometimes these soils contain ironstone gravel; and (ii) on, or adjacent to, areas of strong relief, siliceous sands (Uc1.2), leached sands (Uc2.12) and (Uc2.2), and shallow forms of the above (Gn2) soils. Associated are: (i) on flat to gently undulating remnants of the original plateau surface, leached sands (Uc2.3), siliceous sands (Uc1.2), sandy earths (Uc5.22), and (Gn2) soils as for (i) above (these areas are in part comparable with unit Cb29); (ii) on flat ironstone gravelly remnants of the original plateau surface, (Gn2) soils as for unit Mb5(i); (iii) on gently undulating ridges where interbedded shales are exposed, shallow, often stony (Dy3.41), (Dr2.21), and related soils similar to unit Tb35; (iv) narrow valleys of (Uc2.3) soils flanked by moderate slopes of (Dy3.41) soils; (v) escarpments of steep hills with shallow (Dy) and (Dr) soils between sandstone pillars; and (vi) shallow (Um) soils, such as (Um6.21) on steep hills of basic rocks. As mapped, minor areas of units Mg20, Mm1, and Mw8 are included. Data are limited. | 0m       |
| 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.  | 567m     |

Atlas of Australian Soils Data Source: CSIRO

Creative Commons 4.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/4.0/au/deed.en>

# Acid Sulfate Soils

19-27 Cross Street, Double Bay, NSW 2028



## Acid Sulfate Soils

19-27 Cross Street, Double Bay, NSW 2028

### Standard Local Environmental Plan Acid Sulfate Soils

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

| Soil Class | Description   | LEP                                     |
|------------|---|---|
| 2          | Works below natural ground surface present an environmental risk; Works by which the watertable is likely to be lowered present an environmental risk | Woollahra Local Environmental Plan 2014 |

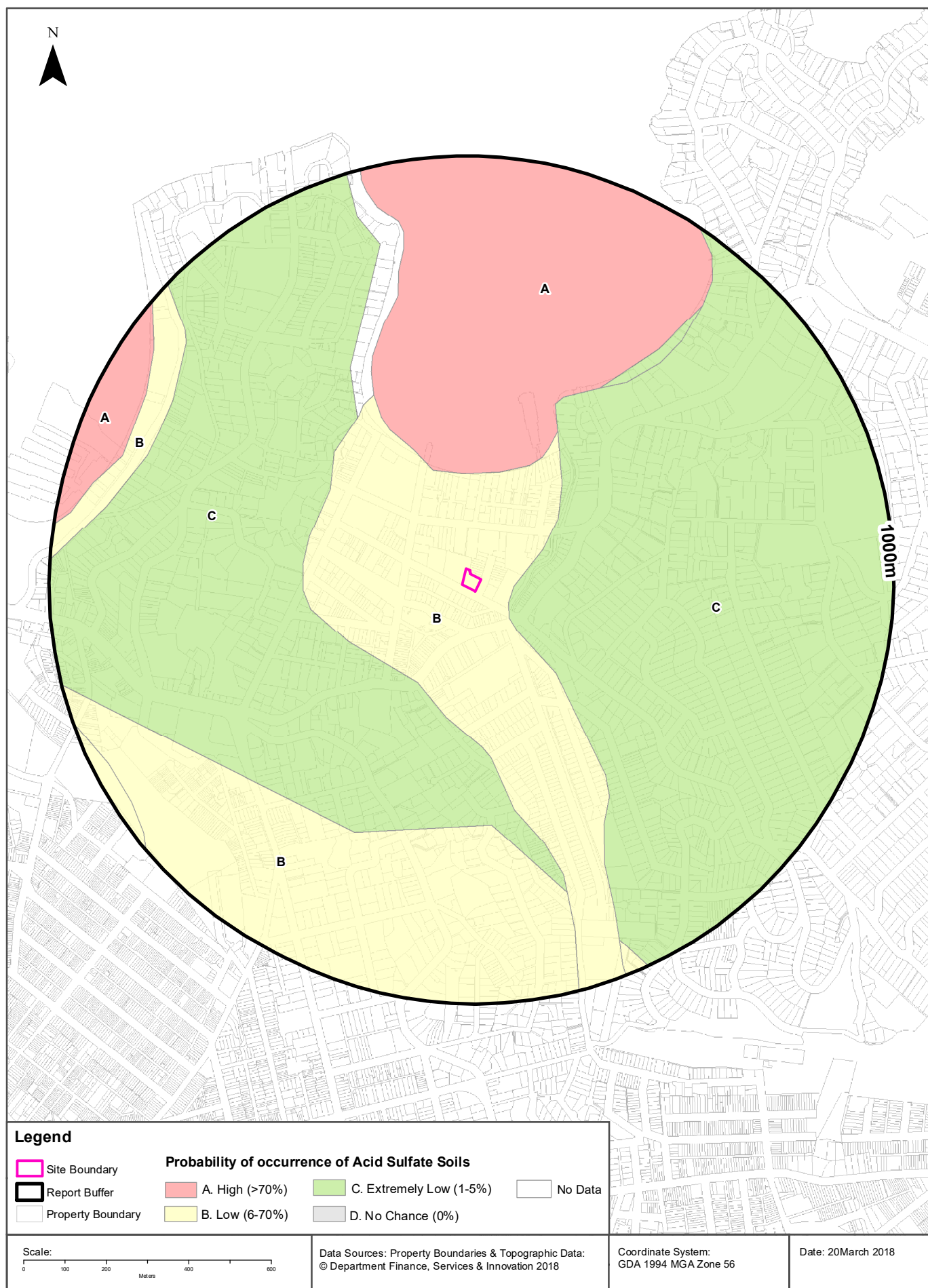
If the on-site Soil Class is 5, what other soil classes exist within 500m?

| Soil Class | Description | LEP | Distance | Direction |
|------------|-------------|-----|----------|-----------|
| N/A        |             |     |          |           |

Acid Sulfate Data Source Accessed 07/10/2016: NSW Crown Copyright - Planning and Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Atlas of Australian Acid Sulfate Soils

19-27 Cross Street, Double Bay, NSW 2028



## Acid Sulfate Soils

19-27 Cross Street, Double Bay, NSW 2028

### Atlas of Australian Acid Sulfate Soils

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

| Class | Description   | Distance |
|-------|---|----------|
| B     | Low Probability of occurrence. 6-70% chance of occurrence.  | 0m       |
| C     | Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas. | 80m      |
| A     | High Probability of occurrence. >70% chance of occurrence.  | 232m     |

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



## Dryland Salinity

19-27 Cross Street, Double Bay, NSW 2028

### 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

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Mining Subsidence Districts

19-27 Cross Street, Double Bay, NSW 2028

## 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)  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Environmental Zoning

19-27 Cross Street, Double Bay, NSW 2028

### State Environmental Planning Policy Protected Areas

Are there any State Environmental Planning Policy Protected Areas onsite or within the dataset buffer?

| Dataset                          | Onsite | Within Site Buffer | Distance |
|----------------------------------|--------|--------------------|----------|
| SEPP14 - Coastal Wetlands        | No     | No                 | N/A      |
| SEPP26 - Littoral Rainforests    | No     | No                 | N/A      |
| SEPP71 - Coastal Protection Zone | No     | No                 | N/A      |

SEPP Protected Areas Data Source: NSW Department of Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### State Environmental Planning Policy Major Developments (2005)

State Environmental Planning Policy Major Developments within the dataset buffer:

| Map Id | Feature                  | Effective Date | Distance | Direction |
|--------|--------------------------|----------------|----------|-----------|
| N/A    | No records within buffer |                |          |           |

SEPP Major Development Data Source: NSW Department of Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### State Environmental Planning Policy Strategic Land Use Areas

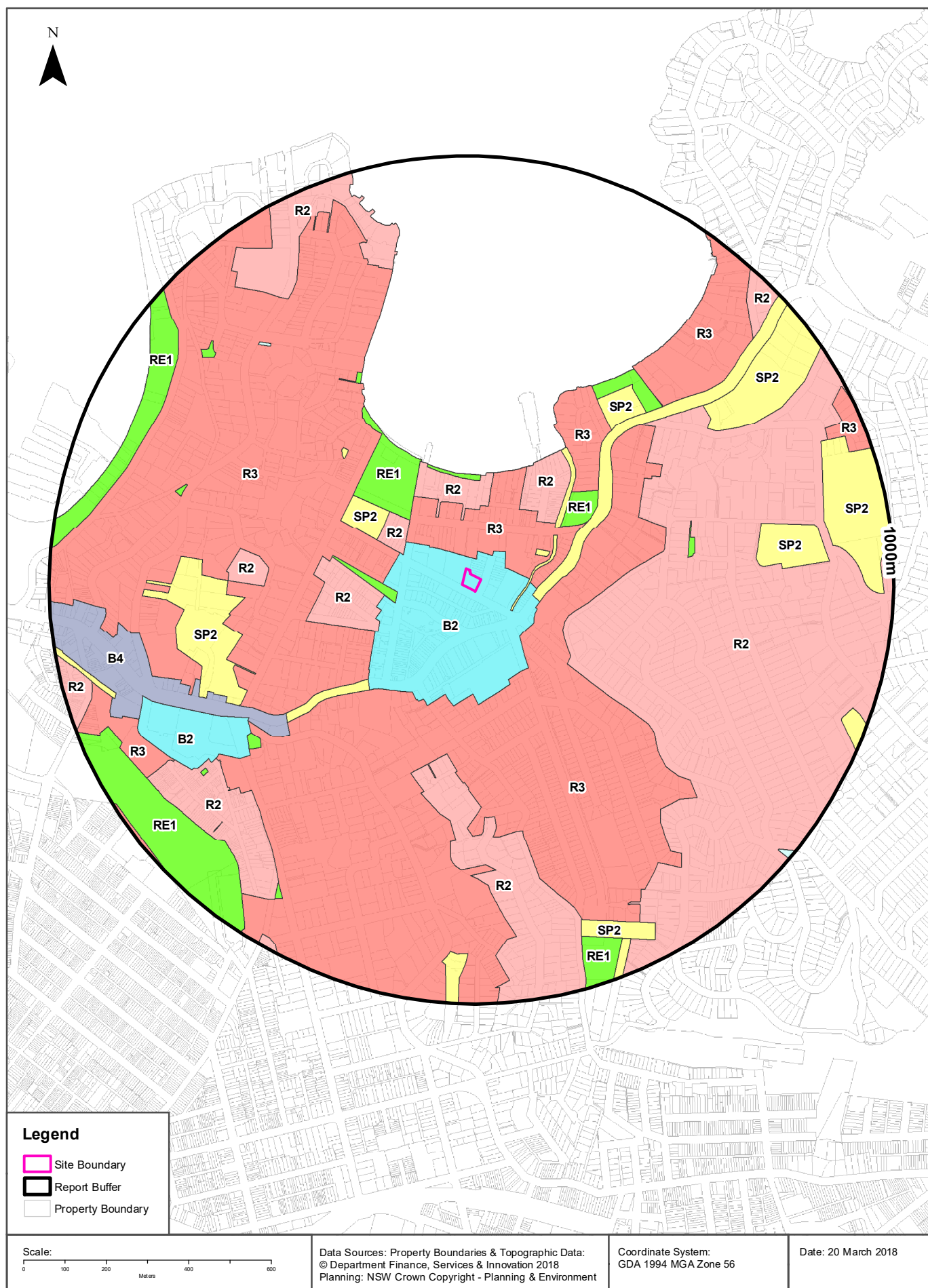
State Environmental Planning Policy Strategic Land Use Areas onsite or within the dataset buffer:

| Strategic Land Use       | SEPPNo | Effective Date | Amendment | Amendment Year | Distance | Direction |
|--------------------------|--------|----------------|-----------|----------------|----------|-----------|
| No records within buffer |        |                |           |                |          |           |

SEPP Strategic Land Use Data Source: NSW Department of Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# LEP Planning Zones

19-27 Cross Street, Double Bay, NSW 2028



# Local Environmental Plan

19-27 Cross Street, Double Bay, NSW 2028

## Land Zoning

What Local Environmental Plan Land Zones exist within the dataset buffer?

| Zone | Description                | Purpose                        | LEP or SEPP                             | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction  |
|------|----------------------------|--------------------------------|---|----------------|----------------|---------------|-----------|----------|------------|
| B2   | Local Centre               |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 0m       | Onsite     |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 29m      | North East |
| SP2  | Infrastructure             | Stormwater Management          | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 95m      | East       |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 120m     | North      |
| SP2  | Infrastructure             | Classified Road                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 129m     | North East |
| SP2  | Infrastructure             | Sewerage System                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 145m     | East       |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 148m     | South East |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 155m     | North West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 158m     | West       |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 165m     | North West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 182m     | North West |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 189m     | West       |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 192m     | North East |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 217m     | North      |
| SP2  | Infrastructure             | Stormwater Management          | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 220m     | North East |
| SP2  | Infrastructure             | Educational Establishment      | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 225m     | North West |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 226m     | East       |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 230m     | North East |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 306m     | North East |
| SP2  | Infrastructure             | Classified Road                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 323m     | South West |
| SP2  | Infrastructure             | Sewerage System                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 398m     | North West |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 400m     | South      |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 470m     | West       |
| SP2  | Infrastructure             | Public Administration Building | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 480m     | North East |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 503m     | East       |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 517m     | North East |
| SP2  | Infrastructure             | Educational Establishment      | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 526m     | West       |



| Zone | Description                | Purpose                        | LEP or SEPP                             | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction  |
|------|----------------------------|--------------------------------|---|----------------|----------------|---------------|-----------|----------|------------|
| B4   | Mixed Use                  |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 528m     | West       |
| B2   | Local Centre               |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 608m     | South West |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 609m     | North East |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 615m     | South West |
| SP2  | Infrastructure             | Educational Establishment      | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 660m     | North East |
| SP2  | Infrastructure             | Educational Establishment      | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 668m     | East       |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 706m     | West       |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 712m     | South West |
| B1   | Neighbourhood Centre       |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 717m     | North West |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 748m     | North West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 764m     | South West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 797m     | North West |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 815m     | South West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 817m     | South West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 822m     | South West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 833m     | West       |
| SP2  | Infrastructure             | Stormwater Management          | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 834m     | South East |
| SP2  | Infrastructure             | Educational Establishment      | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 843m     | East       |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 846m     | South West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 849m     | South West |
| RE 1 | Public Recreation          |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 873m     | South      |
| SP2  | Infrastructure             | Rail Infrastructure Facilities | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 874m     | South      |
| SP2  | Infrastructure             | Rail Infrastructure Facilities | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 878m     | West       |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 880m     | North East |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 904m     | East       |
| SP2  | Infrastructure             | Sewerage System                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 911m     | South      |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 928m     | West       |
| SP2  | Infrastructure             | Educational Establishment      | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 935m     | East       |
| B1   | Neighbourhood Centre       |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 965m     | South East |
| R2   | Low Density Residential    |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 973m     | South West |
| R3   | Medium Density Residential |                                | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 989m     | South West |

Local Environment Plan Data Source: NSW Crown Copyright - Planning & Environment

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Local Environmental Plan

19-27 Cross Street, Double Bay, NSW 2028

### Minimum Subdivision Lot Size

What are the onsite Local Environmental Plan Minimum Subdivision Lot Sizes?

| Symbol  | Minimum Lot Size | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment | Percentage of Site Area |
|---------|------------------|-------------|----------------|----------------|---------------|-----------|-------------------------|
| No Data |                  |             |                |                |               |           |                         |

### Maximum Height of Building

What are the onsite Local Environmental Plan Maximum Height of Buildings?

| Symbol | Maximum Height of Building | LEP or SEPP                             | Published Date | Commenced Date | Currency Date | Amendment | Percentage of Site Area |
|--------|----------------------------|---|----------------|----------------|---------------|-----------|-------------------------|
| 59     | 14.70 m                    | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 13/10/2017    |           | 99.2                    |

### Floor Space Ratio

What are the onsite Local Environmental Plan Floor Space Ratios?

| Symbol | Floor Space Ratio | LEP or SEPP | Published Date | Commenced Date | Currency Date | Amendment      | Percentage of Site Area |
|--------|-------------------|-------------|----------------|----------------|---------------|----------------|-------------------------|
| 80     | 2.50              | LEP         | 25/11/2016     | 25/11/2016     | 13/10/2017    | Amendment No 5 | 99.8                    |

### Land Application

What are the onsite Local Environmental Plan Land Applications?

| Application Type | LEP or SEPP                             | Published Date | Commenced Date | Currency Date | Amendment | Percentage of Site Area |
|------------------|---|----------------|----------------|---------------|-----------|-------------------------|
| Included         | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 23/05/2015    |           | 100                     |

### Land Reservation Acquisition

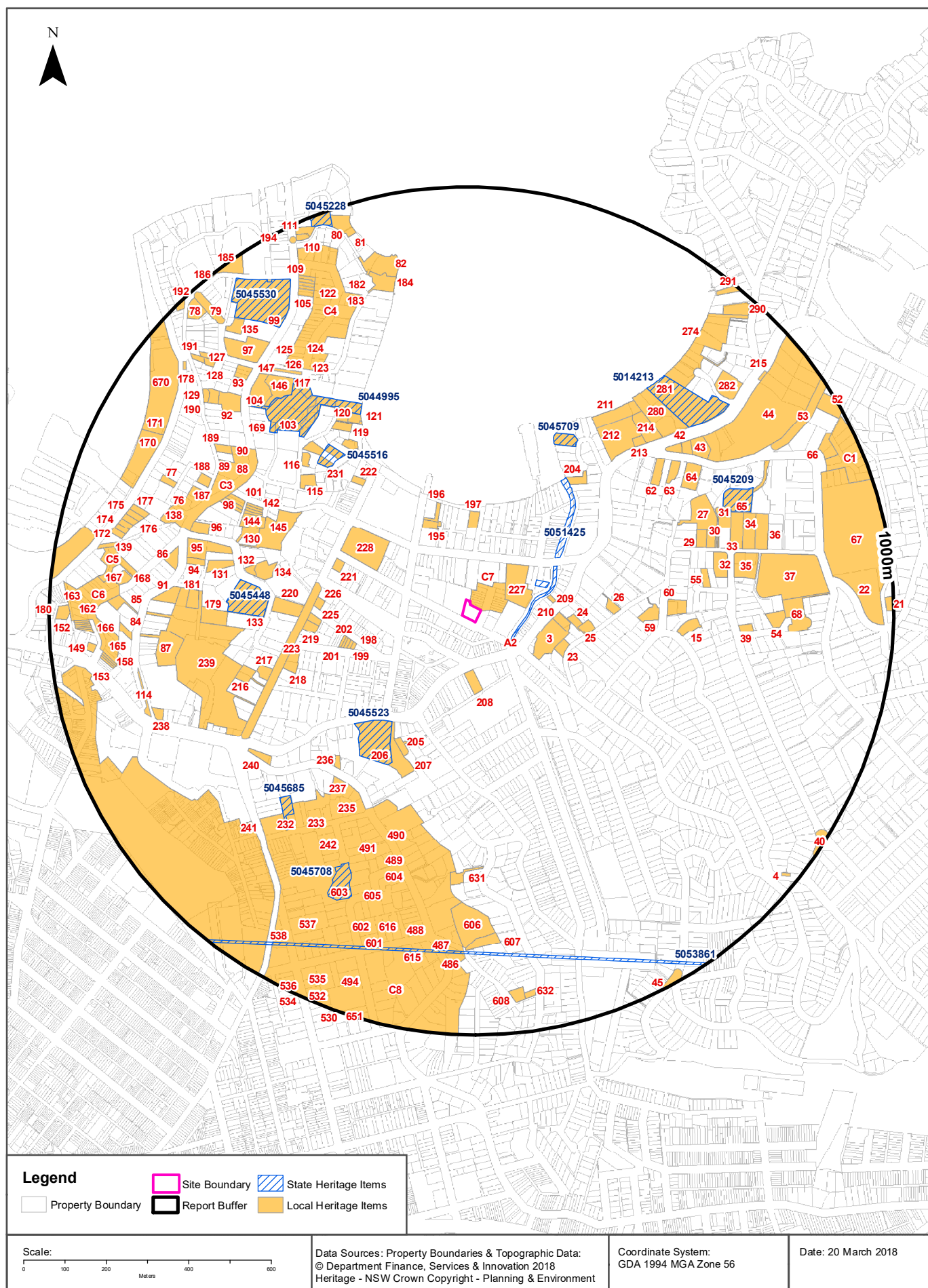
What are the onsite Local Environmental Plan Land Reservation Acquisitions?

| Reservation | LEP | Published Date | Commenced Date | Currency Date | Amendment | Comments | Percentage of Site Area |
|-------------|-----|----------------|----------------|---------------|-----------|----------|-------------------------|
| No Data     |     |                |                |               |           |          |                         |

Local Environment Plan Data Source: NSW Crown Copyright - Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Heritage Items

19-27 Cross Street, Double Bay, NSW 2028



## Heritage

19-27 Cross Street, Double Bay, NSW 2028

### State Heritage Items

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

| Map Id  | Name                                      | Address                                | LGA       | Listing Date | Listing No | Plan No | Distance | Direction  |
|---------|---|--|-----------|--------------|------------|---------|----------|------------|
| 5051425 | Double Bay Compressed Air Ejector Station | Cross Street, Double Bay               | Woollahra | 18/11/1999   | 1324       | 2019    | 95m      | East       |
| 5045523 | Overthorpe                                | 337-347 New South Head Road Double Bay | Woollahra | 02/04/1999   | 246        | 581     | 307m     | South West |
| 5045709 | Gladswood House                           | 11 Gladswood Gardens Double Bay        | Woollahra | 02/04/1999   | 496        | 1284    | 431m     | North East |
| 5045516 | Houses                                    | 4 and 6 Wiston Gardens Double Bay      | Woollahra | 02/04/1999   | 209        | 488     | 457m     | North West |
| 5045448 | Bishopscourt                              | 11-21 Greenoaks Avenue Darling Point   | Woollahra | 02/04/1999   | 362        | 867     | 470m     | West       |
| 5044995 | Babworth House                            | 103 Darling Point Road Darling Point   | Woollahra | 13/08/1999   | 1300       | 2907    | 517m     | North West |
| 5045685 | Fenton and surrounds                      | 8 Albert Street Edgecliff              | Woollahra | 02/04/1999   | 249        | 600     | 602m     | South West |
| 5045209 | Leura                                     | 24 Victoria Road Bellevue Hill         | Woollahra | 02/04/1999   | 47         | 223     | 635m     | North East |
| 5045708 | Rosemont                                  | 14 Rosemont Avenue Woollahra           | Woollahra | 02/04/1999   | 294        | 720     | 658m     | South West |
| 5014213 | Fairwater                                 | 560 New South Head Road Double Bay     | Woollahra | 27/03/2000   | 1381       |         | 668m     | North East |
| 5053861 | BOOS (Bondi Ocean Outfall Sewer)          | Blair Street, Bondi                    | Waverley  | 15/11/2002   | 1623       | 2040    | 798m     | South East |
| 5045530 | Swifts                                    | 68 Darling Point Road Darling Point    | Woollahra | 02/04/1999   | 146        | 378     | 799m     | North West |
| 5045228 | Lindesay                                  | 1a Carthona Avenue Darling Point       | Woollahra | 02/04/1999   | 686        | 1736    | 960m     | North      |

Heritage Data Source: NSW Crown Copyright - Planning & Environment

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### Local Heritage Items

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

| Map Id | Name  | Classification              | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|---|-----------------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| C7     | Transvaal Avenue Heritage Conservation Area | Conservation Area - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 0m       | North East |
| 227    | Moreton Bay Fig                             | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 64m      | North East |

| Map Id | Name   | Classification        | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|-----------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| A2     | Double Bay Compressed Air Ejector Station  | Item - Archaeological | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 87m      | South East |
| 208    | The Golden Sheaf Hotel and interiors   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 115m     | South      |
| 3      | 3 Kauri Pines  | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 148m     | East       |
| 209    | Carinya - residential flat building and interior   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 162m     | East       |
| 210    | Residence, interior and upper northern terrace and sandstone the retaining wall to New South Head Rd | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 174m     | East       |
| 197    | Banksia - house and interiors, fig trees   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 177m     | North      |
| 195    | Front fencing, palm trees  | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 183m     | North West |
| 196    | Gateposts to Bay St to former house Tueila   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 189m     | North      |
| 23     | Tudor Lodge - house and interiors, garage, flagged driveway, paths and stone wall to Fairfax Road    | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 200m     | East       |
| 24     | House, interiors and grounds   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 208m     | East       |
| 228    | Double Bay Public School - all 19th Century buildings and interiors, gateposts                       | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 225m     | North West |
| 25     | Lincluden - residential flat building and interiors, sandstone retaining wall and balustrade         | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 237m     | East       |
| 198    | Terrace house and interiors, front fencing   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 265m     | West       |
| 199    | Terrace house and interiors  | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 270m     | West       |
| 200    | Terrace house and interiors, front fencing   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 276m     | West       |
| 201    | Terrace house and interiors, front fencing   | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 281m     | West       |
| 202    | Hatfield - Terrace house and interiors, front fencing  | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 285m     | West       |
| 26     | Chislehurst - residential flat building and interiors and grounds                                    | Item - General        | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 296m     | East       |



| Map Id | Name   | Classification | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 205    | Weeping Lilli Pilli, all Bangalow Palms, Washingtonia Palm, Queens Palms, Cabbage Palms              | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 297m     | South West |
| 207    | Vegetation associated with the gardens of the former house Overthorpe                                | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 304m     | South West |
| 221    | House and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 307m     | West       |
| 206    | Gardens to former house Overthorpe   | Item - General | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 307m     | South West |
| 226    | House and interior, front fencing  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 335m     | West       |
| 225    | House and interiors, sandstone and iron fencing  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 340m     | West       |
| 223    | 3 Norfolk Island Pines, 2 Moreton Bay Figs, 2 Port Jackson Figs, Candlenut Tree                      | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 347m     | West       |
| 219    | House and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 347m     | West       |
| 222    | House and interiors, excluding rear pavilion and garage  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 373m     | North West |
| 204    | House and interiors, stone works   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 373m     | North East |
| 59     | Silchester - residential flat building and interiors, outbuildings, gardens, courtyards, stone works | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 378m     | East       |
| 220    | Moreton Bay Fig  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 383m     | West       |
| 218    | Bunya Pine   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 401m     | West       |
| 203    | Gladswood House - building and interiors   | Item - General | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 431m     | North East |
| 229    | Taj Mahal - house & interiors, gardens, entrance terrace, steps & balustrade, wrought iron fences    | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 449m     | North West |
| 236    | Lynwood - house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 450m     | South West |
| 60     | House and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 451m     | East       |
| 145    | The Annery - residential flat building and interiors, wall along eastern side boundary               | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 452m     | North West |

| Map Id | Name  | Classification              | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|---|-----------------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 115    | House, interiors and grounds  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 454m     | North West |
| 230    | House and interiors, grounds, gardens   | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 457m     | North West |
| 231    | House and interiors, grounds, gardens   | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 459m     | North West |
| 134    | Pitcalnie - house   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 465m     | West       |
| C8     | Paddington Heritage Conservation Area   | Conservation Area - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 468m     | South West |
| 133    | Bishopscourt - house and interiors, grounds, fences, gates, trees, gardens                        | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 470m     | West       |
| 15     | Beaulieu - house and interiors, front garden and fence, gateposts, gates                          | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 476m     | East       |
| 217    | Lacebark  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 477m     | West       |
| 211    | Brick entrance ratepost and iron gates to Redleaf Pool, stairways, ground, trees, beach           | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 480m     | North East |
| 212    | Redleaf - Woollahra Council Chambers and interiors, gates, gateposts, Moreton Bay Fig, Bunya Pine | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 480m     | North East |
| 237    | House and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 492m     | South West |
| 119    | Moreton Bay Fig   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 493m     | North West |
| 120    | Chiltern - house and interiors, Cook Pine and grounds   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 493m     | North West |
| 118    | Kendall Lodge - house, interiors and grounds  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 496m     | North West |
| 116    | Etham Cottage - house, interiors and front fencing  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 499m     | North West |
| 121    | House and interiors, gardens  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 500m     | North West |
| 132    | Glenires - house, interiors and grounds   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 507m     | West       |
| 216    | Ecclesbourne - building and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 507m     | West       |
| 62     | House and interiors, retaining walls  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 513m     | North East |
| 117    | Grounds of Babworth House estate  | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 517m     | North West |
| 144    | Orme - house and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 519m     | North West |

| Map Id | Name   | Classification | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 27     | Rona - house and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 519m     | East       |
| 235    | Carmel - house and interiors, gardens, gateposts, sandstone retaining walls                        | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 522m     | South West |
| 130    | Greenoaks Cottage - house and interiors, Bunya Pine  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 525m     | West       |
| 239    | Ascham School Precinct   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 526m     | West       |
| 143    | Terrace house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 535m     | North West |
| 142    | Terrace house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 536m     | North West |
| 141    | Terrace house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 537m     | North West |
| 140    | Terrace house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 539m     | North West |
| 55     | Kauri Pine   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 541m     | East       |
| 29     | Former stables of Rona and interiors, Norfolk Island Pine, Kauri Pine, Ficus Sp.                   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 542m     | East       |
| 213    | The Annexe - building and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 543m     | North East |
| 63     | Thaxted - house and interiors, retaining walls   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 545m     | North East |
| 103    | Babworth House - building including interior, grounds, gardens, gateposts to Darling Point Rd, Fig | Item - General | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 562m     | North West |
| 131    | Alnwick House - house and interiors, gardens, stoneworks   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 565m     | West       |
| 30     | Kauri Pine   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 565m     | East       |
| 179    | The Octagon - building and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 568m     | West       |
| 214    | St. Brigids - Woollahra Council Library and interiors, Blackburn Gardens                           | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 570m     | North East |
| 64     | Bonnington - house and interiors, sandstone retaining wall and fences, fig tree                    | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 570m     | North East |
| 32     | Trahlee - house and interiors, garden, pine trees  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 571m     | East       |
| 240    | Former Post Office and interior  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 573m     | South West |

| Map Id | Name   | Classification              | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|-----------------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 491    | Edgecliff Gardens - residential flat building and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 574m     | South West |
| 490    | Hillside - residential flat building and interiors, stone retaining wall, flower beds and steps      | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 576m     | South      |
| 95     | St. Marks Anglican Church - church & other buildings & interior, gardens, walls, steps, gates, fence | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 576m     | West       |
| 98     | Lindisfarne - semi-detached house and interiors, front fencing                                       | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 585m     | North West |
| 100    | Lorne - semi-detached house and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 586m     | North West |
| 101    | Trebenna - Roskear house and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 586m     | North West |
| 234    | St. Joseph's Friary - building, interiors and grounds  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 591m     | South West |
| 489    | Rosemount - residential flat building and interiors, garages, flower beds and steps                  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 592m     | South      |
| 31     | Norfolk Island Pine  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 592m     | East       |
| 631    | House and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 592m     | South      |
| 61     | Throlze - house and interiors, stone retaining wall  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 592m     | North East |
| C3     | Darling Point Road Heritage Conservation Area  | Conservation Area - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 600m     | North West |
| 233    | St. Joseph's Church - church, interiors and grounds  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 600m     | South West |
| 232    | Fenton - house and interior, gardens, gateposts, gates   | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 602m     | South West |
| 604    | Gowrie - residential flat building and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 608m     | South      |
| 280    | Elaine - house and interiors, gateposts and gate, gardens to the foreshore, stoneworks, trees, beach | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 608m     | North East |
| 605    | London Plane Trees - approx. 35 trees  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 615m     | South      |
| 169    | Former gatehouse and grounds of Babworth House Estate  | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 615m     | North West |

| Map Id | Name   | Classification              | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|-----------------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 35     | Caerleon - house and interiors, grounds, gardens, gateposts, gates, trees                | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 618m     | East       |
| 42     | Villa D'Este - house, stone retaining wall   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 618m     | North East |
| 88     | Building and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 619m     | North West |
| 89     | Building and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 620m     | North West |
| 33     | House and interiors, forecourt, front fencing  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 621m     | East       |
| 242    | House, interiors and gardens   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 622m     | South West |
| 39     | The Provost (or Ancher) House - house and interiors                                      | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 625m     | East       |
| 90     | Leamington - building including interior   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 631m     | North West |
| 94     | House and interiors, grounds, gateposts and steps, front fencing                         | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 635m     | West       |
| 65     | Leura - house and interiors, sandstone retaining wall and fences, fig tree               | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 635m     | North East |
| 43     | Wirian - house and interiors, stone fences, retaining walls and gateposts                | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 637m     | North East |
| 181    | Yeomerry - building and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 639m     | West       |
| 96     | St. Marks Cottage - building and interiors, sandstone retaining walls                    | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 645m     | West       |
| 34     | House and interiors, forecourt, front fencing  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 650m     | East       |
| 146    | Sandstone and brick fencing, formerly part of Babworth House                             | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 652m     | North West |
| 123    | Residential flat building, interiors and grounds   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 657m     | North West |
| C4     | Etham Avenue Heritage Conservation Area  | Conservation Area - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 657m     | North West |
| 603    | Rosemont - house and interiors, outbuildings, gardens                                    | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 658m     | South West |
| 44     | Cranbrook School   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 660m     | North East |
| 37     | Fairfax House - building and interiors, remnant gardens, stone works, fountain and trees | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 668m     | East       |



| Map Id | Name   | Classification | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 281    | Fairwater - main building and interior, stable, grounds, beach, trees, gardens exc pool & north wall | Item - General | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 668m     | North East |
| 189    | House, interiors and grounds   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 668m     | North West |
| 147    | Retaining wall on north road boundary  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 676m     | North West |
| 87     | Duntrim - building and interiors (former house) and grounds including Norfolk Island Pine            | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 676m     | West       |
| 606    | Hawthornden - house and interiors, gardens, gateposts, gates, Bunya Pine                             | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 678m     | South      |
| 104    | Sandstone, brick and iron fencing to part of former grounds of Babworth House                        | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 678m     | North West |
| 36     | Kauri Pine   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 679m     | East       |
| 187    | Residential flat building and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 682m     | North West |
| 188    | Former house, interiors and grounds  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 683m     | North West |
| 91     | St. Marks Church Rectory - building and interiors, grounds, gardens, stone fence, gateposts, gate    | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 684m     | West       |
| 54     | Danbury - house and interiors, gateposts, gate   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 688m     | East       |
| 126    | Etham Avenue heritage item group - house, interiors and grounds                                      | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 688m     | North West |
| 125    | Etham Avenue heritage item group - house, interiors and grounds                                      | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 699m     | North West |
| 86     | Kardinia - House, interiors and grounds  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 700m     | West       |
| 76     | Cloncorrick - house and interiors, street fencing  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 702m     | West       |
| 124    | Etham Avenue heritage item group - house, interiors and grounds                                      | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 705m     | North West |
| 241    | House and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 712m     | South West |
| 92     | Gateposts to former house Denholm  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 712m     | North West |

| Map Id | Name  | Classification | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|---|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 138    | Jean Colvin Hospital - buildings and interiors, retaining walls to Loftus Rd and Annandale St | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 721m     | West       |
| 274    | Seven Shillings Beach   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 723m     | North East |
| 68     | Barford - house and interiors, gardens, gates and gateposts                                   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 730m     | East       |
| 616    | Great Tree - house and interiors, street fencing  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 732m     | South      |
| 488    | Building and interiors, street fencing  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 742m     | South      |
| 607    | Struan Lodge - house and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 752m     | South      |
| 602    | Lyndhurst Gardens - residential flat building and interiors, forecourt                        | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 753m     | South      |
| 93     | Cleveland - house, including interior, grounds, garden, street stone fencing, trees           | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 753m     | North West |
| 77     | Balgowan - house, interiors and grounds   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 756m     | North West |
| 238    | Building and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 756m     | West       |
| 183    | House, interiors and grounds  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 758m     | North      |
| 129    | Sandstone retaining walls, balustrade and rockface to former house Denholm                    | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 766m     | North West |
| 97     | 2 Washington Palms  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 766m     | North West |
| 184    | Port Jackson Fig, Bunya Pine, Kauri Pine  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 767m     | North      |
| 182    | House, interiors and grounds  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 774m     | North      |
| 487    | Gainsborough - residential flat building, interiors and grounds                               | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 776m     | South      |
| 282    | Buckhurst - residential flat building and interiors, grounds, front garden and fencing, trees | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 781m     | North East |
| 85     | Barbiston - residential flat building and interiors, grounds and sandstone wall to street     | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 785m     | West       |
| 601    | Lenana - residential flat building and interiors, iron gateposts and gates                    | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 787m     | South      |

| Map Id | Name   | Classification              | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|-----------------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 537    | All Saints Anglican Church - church and interiors, grounds, front garden, retaining wall and fencing | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 787m     | South West |
| 190    | House and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 788m     | North West |
| 114    | Concrete balustrade  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 790m     | West       |
| C5     | Loftus Street and Mona Road Heritage Conservation Area   | Conservation Area - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 794m     | West       |
| 615    | Kauri Pine   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 795m     | South      |
| 177    | Residential flat building and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 795m     | West       |
| 122    | House, interiors and gardens   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 798m     | North West |
| 486    | Kilvington - building and interiors, front fencing   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 798m     | South      |
| 99     | The Swifts - building & interiors, out buildings, grounds, gardens, terraces, sculptures, trees      | Item - General              | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 799m     | North West |
| 84     | Wavenal - building and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 800m     | West       |
| 82     | Carthona - house & interiors, grounds, gates, gateposts, wall, iron works, trees, berthing station   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 801m     | North      |
| 168    | Mona - building and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 804m     | West       |
| 176    | Residential flat building and interiors, front garden and retaining wall                             | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 805m     | West       |
| 53     | 7 Canary Island Date Palms, 2 Washington Palms   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 806m     | North East |
| 175    | Residential flat building and interiors, front garden and retaining wall                             | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 815m     | West       |
| 105    | House and interiors, front fencing   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 822m     | North West |
| 174    | Residential flat building and interiors, front garden and retaining wall                             | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 826m     | West       |
| 128    | Goomerah - house and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 832m     | North West |
| C6     | Mona Road Heritage Conservation Area   | Conservation Area - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 832m     | West       |

| Map Id | Name   | Classification | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 170    | Sir David Martin Reserve including former HMAS Rushcutter  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 833m     | North West |
| 171    | HMAS Rushcutter Slipway  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 833m     | North West |
| 166    | The Grange - residential flat building and interiors, grounds and brick retaining wall to street | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 833m     | West       |
| 167    | Gwelo - former house, interiors and grounds  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 833m     | West       |
| 173    | Residential flat building and interiors, front garden and retaining wall                         | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 833m     | West       |
| 165    | Greycliffe Flats - house and interiors, grounds and sandstone retaining wall to street           | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 835m     | West       |
| 670    | Yarranabbe Park Seawall and Rushcutters Bay Park Seawall   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 16/09/2016     | 16/09/2016     | 16/12/2016    | 835m     | West       |
| 106    | Semi-detached house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 836m     | North West |
| 164    | Greycliffe Flats - house and interiors, grounds and sandstone retaining wall to street           | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 837m     | West       |
| 127    | Queenscliff - house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 838m     | North West |
| 172    | Residential flat building and interiors, front garden and retaining wall                         | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 839m     | West       |
| 161    | Semi-detached house and interiors grounds and sandstone retaining wall to street                 | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 839m     | West       |
| 158    | Semi-detached house and interiors grounds and sandstone retaining wall to street                 | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 842m     | West       |
| 135    | House, interiors and grounds   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 842m     | North West |
| 107    | Semi-detached house and interiors, front fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 842m     | North West |
| 67     | The Scots College  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 843m     | East       |
| 159    | Terrace house and interiors, front fencing, steps and balustrade                                 | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 844m     | West       |

| Map Id | Name  | Classification | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|---|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 137    | Residential flat building and interiors                                   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 845m     | West       |
| 155    | Terrace house and interiors, front fencing, steps and balustrade          | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 848m     | West       |
| 139    | 2 American Cotton Palms   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 849m     | West       |
| 108    | Semi-detached house and interiors, front fencing                          | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 849m     | North West |
| 538    | Building and interiors (former Council chambers) and Euroka Reserve       | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 849m     | South West |
| 153    | Terrace house and interiors, front fencing, steps and balustrade          | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 851m     | West       |
| 191    | Former grounds of Goomerah including stone retaining wall and Canary Palm | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 852m     | North West |
| 22     | Building and interiors (part of The Scots College)                        | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 855m     | East       |
| 109    | Semi-detached house and interiors, front fencing                          | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 855m     | North West |
| 215    | Bus stop shelter, former tram stop  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 874m     | North East |
| 178    | Bus Stop shelter  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 878m     | North West |
| 149    | Mona Terrace - building and interiors                                     | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 888m     | West       |
| 608    | Roslyndale - house and interiors, fence                                   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 890m     | South      |
| 79     | 9 Canary Island Date Palms, Cook Pine                                     | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 891m     | North West |
| 148    | Terrace house and interiors, front fencing                                | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 892m     | West       |
| 150    | Terrace house and interiors, except rear addition, front picket fencing   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 896m     | West       |
| 151    | Terrace house and interiors, front fencing                                | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 898m     | West       |
| 152    | Terrace house and interiors, front fencing                                | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 899m     | West       |
| 632    | House and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 899m     | South      |
| 154    | Terrace house and interiors, front fencing                                | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 901m     | West       |
| 156    | Terrace house and interiors, front fencing                                | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 902m     | West       |
| 66     | House and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 902m     | North East |



| Map Id | Name   | Classification              | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|--|-----------------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 494    | Fearnan - house, interiors and grounds   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 902m     | South      |
| C1     | Aston Gardens Heritage Conservation Area   | Conservation Area - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 903m     | East       |
| 163    | Winburn - house and interiors, grounds and sandstone retaining wall to Mona Lane         | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 903m     | West       |
| 157    | Wyralla - house and interiors, grounds and sandstone retaining wall to Mona Lane         | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 904m     | West       |
| 160    | Mindarraba - house and interiors, grounds and sandstone retaining wall to Mona Lane      | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 905m     | West       |
| 162    | Brereton - former house and interiors, grounds and sandstone retaining wall to Mona Lane | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 906m     | West       |
| 81     | Neidpath - house, interiors and grounds  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 923m     | North      |
| 290    | Danmark - residential flat building and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 928m     | North East |
| 78     | Callooa - house and interiors, gardens   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 940m     | North West |
| 535    | House and interiors, front garden, retaining wall and fencing                            | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 940m     | South West |
| 52     | House and interiors, gardens, front stone wall   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 949m     | North East |
| 180    | Thanet - house and interiors, grounds and sandstone retaining walls                      | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 950m     | West       |
| 291    | Building and interiors   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 954m     | North East |
| 110    | Stone boundary wall to Carthona Avenue   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 956m     | North West |
| 111    | Stone boundary wall to Carthona Avenue   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 957m     | North West |
| 185    | Remnant elements of Hopewood House and grounds   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 957m     | North West |
| 532    | Wallangra - house and interiors  | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 957m     | South      |
| 4      | Bus Stop Shelter   | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 958m     | South East |
| 83     | Entrance gateposts to Carthona Avenue, corner of Darling Point Road                      | Item - General              | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 959m     | North West |

| Map Id | Name  | Classification | Significance | LEP or Act                              | Published Date | Commenced Date | Currency Date | Distance | Direction  |
|--------|---|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| 80     | Lindesay - building and interiors, summer house, grounds, 6 London Plane trees, Hoop Pine       | Item - General | State        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 960m     | North      |
| 40     | 3 Canary Island Date Palms  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 969m     | South East |
| 45     | 3 Washington Palms, Cliff Date Palm, 4 Canary Island Date Palms                                 | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 971m     | South East |
| 536    | Semi-detached house and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 974m     | South West |
| 21     | House and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 978m     | East       |
| 192    | Stratford Hall - residential flat building and interiors  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 984m     | North West |
| 534    | Semi-detached house and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 985m     | South West |
| 530    | Icilus - house and interiors, front garden and fencing  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 989m     | South      |
| 651    | Dilbhor - house and interiors   | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 992m     | South      |
| 186    | Remnant elements of Hopewood House and grounds  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 995m     | North West |
| 194    | House, interiors and front fence, sandstone walls to Beverley Lane, sandstone terracing & steps | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 997m     | North West |
| 533    | Semi-detached house and interiors, front fencing  | Item - General | Local        | Woollahra Local Environmental Plan 2014 | 23/01/2015     | 23/05/2015     | 16/12/2016    | 997m     | South West |

Heritage Data Source: NSW Crown Copyright - Planning & Environment

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Natural Hazards

19-27 Cross Street, Double Bay, NSW 2028

## Bush Fire Prone Land

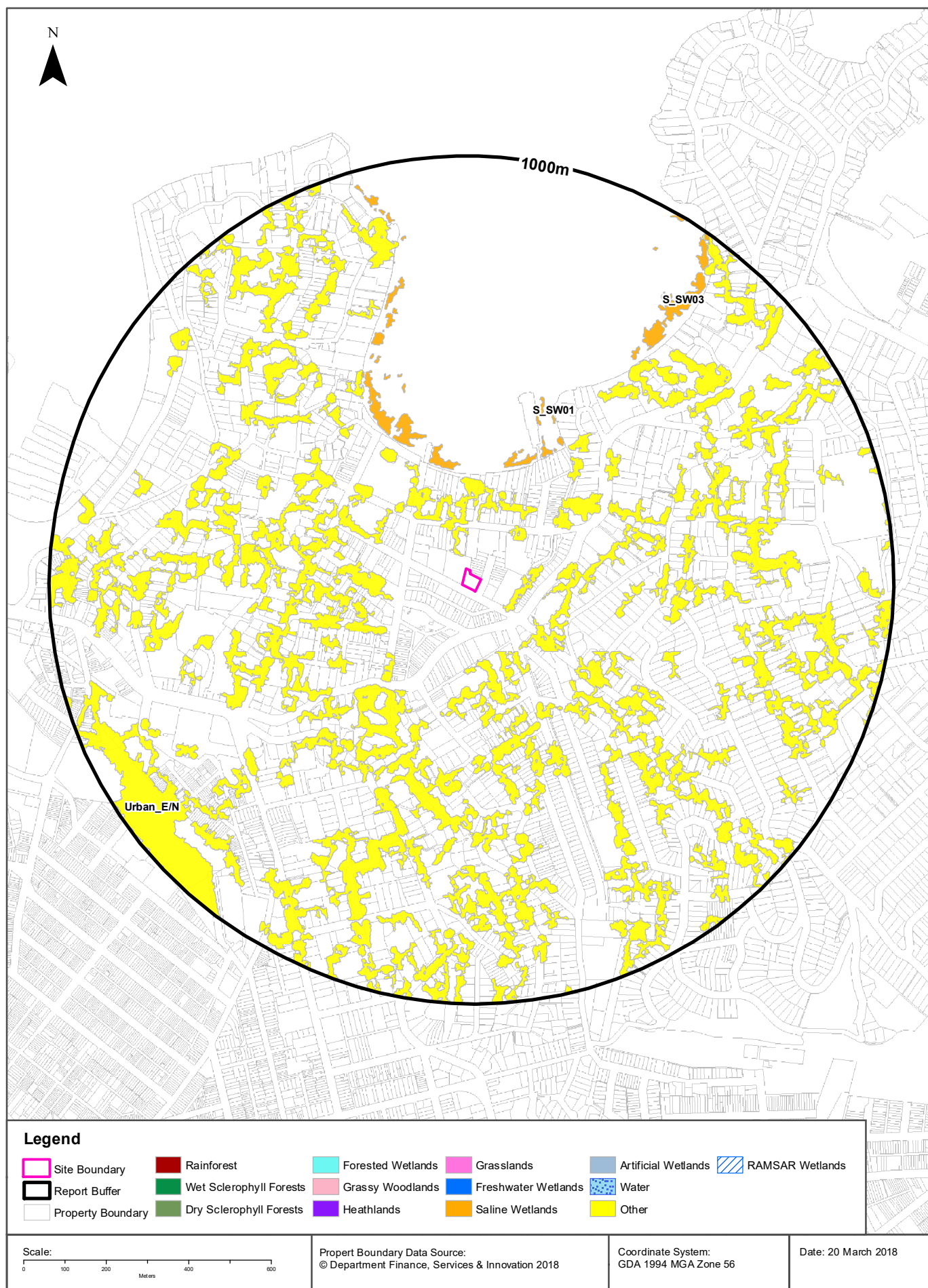
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

| 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 - Native Vegetation & RAMSAR Wetlands

19-27 Cross Street, Double Bay, NSW 2028



## Ecological Constraints

19-27 Cross Street, Double Bay, NSW 2028

### 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 | 30m  | North      |
| S_SW03    | S_SW03: Seagrass Meadows          |                                     |  | 00: Not assessed | 00: Not assessed | 0: Not assessed   | Seagrass (DPI)      | 242m | North      |
| S_SW01    | S_SW01: Estuarine Mangrove Forest |                                     |  | 00: Not assessed | 00: Not assessed | 0: Not assessed   | Mangroves           | 374m | North East |

Native Vegetation of the Sydney Metropolitan Area : NSW Office of Environment and Heritage  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### 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

19-27 Cross Street, Double Bay, NSW 2028

## 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  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Ecological Constraints

19-27 Cross Street, Double Bay, NSW 2028

## 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  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Ecological Constraints

19-27 Cross Street, Double Bay, NSW 2028

### 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 | Litoria aurea            | Green and Golden Bell Frog | Endangered              | Not Sensitive         | Vulnerable                  |                              |
| Animalia | Amphibia | Pseudophryne australis   | Red-crowned Toadlet        | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Aves     | Actitis hypoleucos       | Common Sandpiper           | Not Listed              | Not Sensitive         | Not Listed                  | ROKAMBA;CAMBA; JAMBA         |
| Animalia | Aves     | Anous stolidus           | Common Noddy               | Not Listed              | Not Sensitive         | Not Listed                  | CAMBA;JAMBA                  |
| Animalia | Aves     | 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 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      | 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     | Calyptorhynchus lathami  | Glossy Black-Cockatoo      | Vulnerable              | Category 2            | Not Listed                  |                              |
| Animalia | Aves     | Charadrius leschenaultii | Greater Sand-plover        | Vulnerable              | Not Sensitive         | Vulnerable                  | ROKAMBA;CAMBA; JAMBA         |
| Animalia | Aves     | Charadrius mongolus      | Lesser Sand-plover         | Vulnerable              | Not Sensitive         | Endangered                  | ROKAMBA;CAMBA; JAMBA         |
| Animalia | Aves     | Charadrius veredus       | Oriental Plover            | Not Listed              | Not Sensitive         | Not Listed                  | ROKAMBA;JAMBA                |

| Kingdom  | Class | Scientific                  | Common                    | NSW Conservation Status           | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|-------|-----------------------------|---------------------------|-----------------------------------|-----------------------|-----------------------------|------------------------------|
| 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  | Diomedea exulans            | Wandering Albatross       | Endangered                        | Not Sensitive         | Endangered                  | JAMBA                        |
| 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  | Erythroriorchis radiatus    | Red Goshawk               | Critically Endangered             | Category 2            | Vulnerable                  |                              |
| Animalia | Aves  | Esacus magnirostris         | Beach Stone-curlew        | Critically Endangered             | Not Sensitive         | Not Listed                  |                              |
| Animalia | Aves  | Eudyptula minor             | Little Penguin            | Endangered Population             | Not Sensitive         | Not Listed                  |                              |
| Animalia | Aves  | Falco subniger              | Black Falcon              | Vulnerable                        | Not Sensitive         | Not Listed                  |                              |
| Animalia | Aves  | Gallinago hardwickii        | Latham's Snipe            | Not Listed                        | Not Sensitive         | Not Listed                  | ROKAMBA; CAMBA; JAMBA        |
| Animalia | Aves  | Glossopsitta pusilla        | Little Lorieet            | 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  | 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  | Merops ornatus              | Rainbow Bee-eater         | Not Listed                        | Not Sensitive         | Not Listed                  | JAMBA                        |
| Animalia | Aves  | Neophema chrysogaster       | Orange-bellied Parrot     | Critically Endangered             | Category 3            | Critically Endangered       |                              |
| 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 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                  |                              |

| Kingdom  | Class    | Scientific                       | Common                    | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|----------|----------------------------------|---------------------------|-------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Aves     | Phaethon lepturus                | White-tailed Tropicbird   | Not Listed              | Not Sensitive         | Not Listed                  | CAMBA; JAMBA                 |
| Animalia | Aves     | Phoebastria fusca                | Sooty Albatross           | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Animalia | Aves     | Plegadis falcinellus             | Glossy Ibis               | Not Listed              | 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     | Pterodroma leucophaea            | Gould's Petrel            | Vulnerable              | Not Sensitive         | Endangered                  |                              |
| 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     | 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     | Thalassarche cauta               | Shy Albatross             | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Animalia | Aves     | Thalassarche chrysostoma         | Grey-headed Albatross     | Not Listed              | Not Sensitive         | Endangered                  |                              |
| Animalia | Aves     | Thalassarche melanophrys         | Black-browed Albatross    | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Animalia | Aves     | Tringa glareola                  | Wood Sandpiper            | Not Listed              | Not Sensitive         | Not Listed                  | ROKAMBA; CAMBA; JAMBA        |
| Animalia | Aves     | Tringa incana                    | Wandering Tattler         | Not Listed              | Not Sensitive         | Not Listed                  | JAMBA                        |
| Animalia | Aves     | Tringa nebularia                 | Common Greenshank         | Not Listed              | Not Sensitive         | Not Listed                  | ROKAMBA; CAMBA; JAMBA        |
| Animalia | Aves     | Tringa stagnatilis               | Marsh Sandpiper           | Not Listed              | Not Sensitive         | Not Listed                  | ROKAMBA; CAMBA; JAMBA        |
| Animalia | Aves     | Tyto tenebricosa                 | Sooty Owl                 | Vulnerable              | Category 3            | Not Listed                  |                              |
| Animalia | Aves     | Xenus cinereus                   | Terek Sandpiper           | Vulnerable              | Not Sensitive         | Not Listed                  | ROKAMBA; CAMBA; JAMBA        |
| Animalia | Mammalia | Aepyprymnus rufescens            | Rufous Bettong            | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Arctocephalus forsteri           | New Zealand Fur-seal      | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Arctocephalus pusillus doriferus | Australian Fur-seal       | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Cercartetus nanus                | Eastern Pygmy-possum      | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Dasyurus maculatus               | Spotted-tailed Quoll      | Vulnerable              | Not Sensitive         | Endangered                  |                              |
| Animalia | Mammalia | Dasyurus viverrinus              | Eastern Quoll             | Endangered              | Not Sensitive         | Endangered                  |                              |
| Animalia | Mammalia | Dugong dugon                     | Dugong                    | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Eubalaena australis              | Southern Right Whale      | Endangered              | Not Sensitive         | Endangered                  |                              |
| Animalia | Mammalia | Falsistrellus tasmaniensis       | Eastern False Pipistrelle | Vulnerable              | Not Sensitive         | Not Listed                  |                              |

| Kingdom  | Class    | Scientific                               | Common                        | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|----------|--|-------------------------------|-------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Mammalia | Megaptera novaeangliae                   | Humpback Whale                | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Animalia | Mammalia | Miniopterus australis                    | Little Bentwing-bat           | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Miniopterus schreibersii oceanensis      | Eastern Bentwing-bat          | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Mormopterus norfolkensis                 | Eastern Freetail-bat          | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Myotis macropus                          | Southern Myotis               | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Perameles nasuta                         | Long-nosed Bandicoot          | Endangered Population   | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Petaurus norfolcensis                    | Squirrel Glider               | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Mammalia | Pteropus poliocephalus                   | Grey-headed Flying-fox        | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Animalia | Mammalia | Saccolaimus flaviventris                 | Yellow-bellied Sheathtail-bat | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Animalia | Reptilia | Chelonia mydas                           | Green Turtle                  | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Animalia | Reptilia | Dermochelys coriacea                     | Leatherback Turtle            | Endangered              | Not Sensitive         | Endangered                  |                              |
| Fungi    | Flora    | Camarophyllopsis kearneyi                |                               | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe anomala var. ianthinomarginata |                               | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe aurantipes                     |                               | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe austropratensis                |                               | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe collucera                      |                               | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe griseoramosa                   |                               | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe lanecovensensis                |                               | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe reesiaae                       |                               | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Fungi    | Flora    | Hygrocybe rubronivea                     |                               | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Plantae  | Flora    | Acacia bynoeana                          | Bynoe's Wattle                | Endangered              | Not Sensitive         | Vulnerable                  |                              |
| Plantae  | Flora    | Acacia gordonii                          |                               | Endangered              | Not Sensitive         | Endangered                  |                              |
| Plantae  | Flora    | Acacia pubescens                         | Downy Wattle                  | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae  | Flora    | Acacia terminalis subsp. terminalis      | Sunshine Wattle               | Endangered              | Not Sensitive         | Endangered                  |                              |
| Plantae  | Flora    | Allocasuarina portuensis                 | Nielsen Park She-oak          | Endangered              | Category 3            | Endangered                  |                              |
| Plantae  | Flora    | Amperea xiphoclada subsp. pedicellata    |                               | Presumed Extinct        | Not Sensitive         | Extinct                     |                              |
| Plantae  | Flora    | Asterolasia buxifolia                    |                               | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Plantae  | Flora    | Baeckea kandos                           |                               | Endangered              | Category 3            | Endangered                  |                              |
| 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    | Chamaesyce psammogeton                   | Sand Spurge                   | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Plantae  | Flora    | Cheilanthes sieberi subsp. pseudovellea  |                               | Endangered              | Category 3            | Not Listed                  |                              |
| Plantae  | Flora    | Darwinia biflora                         |                               | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |



| Kingdom | Class | Scientific                               | Common                         | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|---------|-------|--|--------------------------------|-------------------------|-----------------------|-----------------------------|------------------------------|
| 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 | Epacris purpurascens subsp. purpurascens |                                | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Plantae | Flora | Eucalyptus camfieldii                    | Camfield's Stringybark         | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Eucalyptus fracta                        | Broken Back Ironbark           | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Plantae | Flora | Eucalyptus leucoxylon subsp. pruinosa    | Boland Yellow Gum              | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Plantae | Flora | Eucalyptus nicholii                      | Narrow-leaved Black Peppermint | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Eucalyptus pulverulenta                  | Silver-leaved Gum              | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Eucalyptus scoparia                      | Wallangarra White Gum          | Endangered              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Euphrasia collina subsp. muelleri        | Mueller's Eyebright            | Endangered              | Not Sensitive         | Endangered                  |                              |
| 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            | Endangered                  |                              |
| Plantae | Flora | Hibbertia puberula                       |                                | Endangered              | Not Sensitive         | Not Listed                  |                              |
| Plantae | Flora | Lasiopetalum joyceae                     |                                | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Leptospermum deanei                      |                                | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Macadamia integrifolia                   | Macadamia Nut                  | Not Listed              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Macadamia tetraphylla                    | Rough-shelled Bush Nut         | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Melaleuca biconvexa                      | Biconvex Paperbark             | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Melaleuca deanei                         | Deane's Paperbark              | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Persoonia hirsuta                        | Hairy Geebung                  | Endangered              | Category 3            | Endangered                  |                              |
| Plantae | Flora | Persoonia laxa                           |                                | Presumed Extinct        | Not Sensitive         | Extinct                     |                              |
| Plantae | Flora | Persoonia nutans                         | Nodding Geebung                | Endangered              | Not Sensitive         | Endangered                  |                              |
| Plantae | Flora | Pimelea curviflora subsp. curviflora     |                                | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Pimelea spicata                          | Spiked Rice-flower             | Endangered              | Not Sensitive         | Endangered                  |                              |
| 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 | Pultenaea parviflora                     |                                | Endangered              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Sarcocylus hartmannii                    | Hartman's Sarcocylus           | Vulnerable              | Category 2            | Vulnerable                  |                              |
| Plantae | Flora | Syzygium paniculatum                     | Magenta Lilly Pilly            | Endangered              | Not Sensitive         | Vulnerable                  |                              |
| Plantae | Flora | Tetratheca glandulosa                    |                                | Vulnerable              | Not Sensitive         | Not Listed                  |                              |
| Plantae | Flora | Tetratheca juncea                        | Black-eyed Susan               | Vulnerable              | Not Sensitive         | Vulnerable                  |                              |

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

NSW BioNet: © State of NSW and Office of Environment and Heritage

Data obtained 20/03/2018

#### USE OF REPORT – APPLICABLE TERMS

The following terms apply to any person (End User) who is given the Report by the person who purchased the Report from Lotsearch Pty Ltd (ABN: 89 600 168 018) (Lotsearch) or who otherwise has access to the Report. The contract terms that apply between Lotsearch and the purchaser of the Report are specified in the order form pursuant to which the Report was ordered and the terms set out below are of no effect as between Lotsearch and the purchaser of the Report.

1. End User acknowledges and agrees that:
  - (a) the Report is compiled from or using content (**Third Party Content**) which is comprised of:
    - (i) content provided to Lotsearch by third party content suppliers with whom Lotsearch has contractual arrangements or content which is freely available (**Third Party Content Suppliers**);
    - (j) content which is derived from content described in paragraph (i);
  - (b) Lotsearch does not take any responsibility for or give any warranty in relation to the accuracy or completeness of any Third Party Content included in the Report;
  - (c) the Third Party Content Suppliers do not constitute an exhaustive set of all repositories or sources of information available in relation to the property which is the subject of the Report (**Property**);
  - (d) Lotsearch has not undertaken any physical inspection of the property;
  - (e) Lotsearch does not warrant that all land uses or features whether past or current are identified in the Report;
  - (f) the Report does not include any information relating to the actual state or condition of the Property;
  - (g) the Report should not be used or taken to indicate or exclude actual fitness or unfitness of a Property for any particular purpose;
  - (h) the Report should not be relied upon for determining saleability or value or making any other decisions in relation to the Property and in particular should not be taken to be a rating or assessment of the desirability or market value of the property or its features; and
  - (i) the End User should undertake its own inspection s of the Property to satisfy itself that there are no defects or failures.
2. The End User may not make the Report or any copies or extracts of the report or any part of it available to any other person. If End User wishes to provide the Report to any other person or make extracts or copies of the Report, it must contact the purchaser of the Report before doing so to ensure the proposed use is consistent with the contract terms between Lotsearch and the purchaser.
3. Neither Lotsearch (nor any of its officers, employees or agents) nor any of its Third Party Content Suppliers will have any liability to End User or any person to whom End User provides the Report and End User must not represent that Lotsearch or any of its Third Party Content Suppliers accepts liability to any such person or make any other representation to any such person on behalf of Lotsearch or any Third Party Content Supplier.
4. End User must not remove any copyright notices, trade marks, digital rights management information, other embedded information, disclaimers or limitations from the Report or authorise any person to do so.
5. End User acknowledges and agrees that Lotsearch and Third Party Content Suppliers retain ownership of all copyright, patent, design right (registered or unregistered), trade marks (registered or unregistered), database right or other data right, moral right or know how or any other intellectual property right in any Report or any other item, information or data included in or provided as part of a Report.
6. To the extent permitted by law and subject to paragraph 7, all implied terms, representations and warranties whether statutory or otherwise relating to the subject matter of these terms other than as expressly set out in these terms are excluded.
7. Subject to paragraph 8, Lotsearch excludes liability to End User for loss or damage of any kind, however caused, due to Lotsearch's negligence, breach of contract, breach of any law, in equity, under indemnities or otherwise, arising out of all acts, omissions and events whenever occurring.
8. Lotsearch acknowledges that if, under applicable State, Territory or Commonwealth law, End User is a consumer certain rights may be conferred on End User which cannot be excluded, restricted or modified. If so, and if that law applies to Lotsearch, then, Lotsearch's liability is limited to the greater of an amount equal to the cost of resupplying the Report and the maximum extent permitted under applicable laws.
9. Subject to paragraph 7, neither Lotsearch nor the End User is liable to the other for any indirect, incidental, consequential, special or exemplary damages arising out of or in relation to these terms.
10. These terms are subject to New South Wales law.

## **Appendix B: Site History Information**

## **Historical Land Title Records**

# ADVANCE LEGAL SEARCHERS PTY LIMITED

(ACN 147 943 842)  
ABN 82 147 943 842

18/36 Osborne Road,  
Manly NSW 2095

Telephone: +612 9977 6713  
Mobile: 0412 169 809  
Email: [search@alsearchers.com.au](mailto:search@alsearchers.com.au)

19<sup>th</sup> March 2018

**ENVIRONMENTAL INVESTIGATION SERVICES**  
PO Box 976,  
**NORTH RYDE BC NSW 1670**

**Attention: Priya Dass**

**RE: 19 – 27 Cross Street,  
Double Bay  
Ref: E31357KR**

## Current Search

Folio Identifier 100/617017 (title attached)  
DP 617017 (plan attached)  
Dated 16<sup>th</sup> March 2018  
Registered Proprietor:  
**TRI-ANTA PTY LIMITED**



**Title Tree**  
**Lot 100 DP 617017**

Folio Identifier 100/617017

Certificate of Title Volume 14808 Folio 112

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

**(a)**

CTVol 14093 Folio 32

CTVol 3846 Folio 64

PA 25449

Conv Book 1228 No. 905

Conv Book 689 No. 183

\*\*\*\*

**(b)**

CTVol 14093 Folio 33

CTVol 6668 Folio 218

PA 37979

Conv Book 2207 No. 886

Conv Book 1714 No. 972

Conv Book 1264 No. 820

Conv Book 1244 No. 733

Conv Book 742 No. 584

\*\*\*\*

**(c)**

CTVol 11352 Folio 35

CTVol 4116 Folio 128

CTVol 3675 Folio 49

PA 24514

Conv Book 1263 No. 64

Conv Book 968 No. 851

\*\*\*\*

**(d)**

CTVol 8495 Folio 89

CTVol 8483 Folio's 156, 157 & 158

CTVol 6783 Folio 229

PA 38269

Conv Book 2222 No. 627

Conv Book 1931 No. 84

Conv Book 1901 No. 616

Conv Book 1709 No. 463

Conv Book 1551 No. 444

Conv Book 1491 No. 305

Conv Book 1361 No. 952

Conv Book 1319 No. 233

Conv Book 857 No. 486

\*\*\*\*

## Summary of proprietor(s) Lot 100 DP 617017

| Year                   | Proprietor(s)   |
|------------------------|---|
|                        | <b>(Lot 100 DP 617017)</b>  |
| 1997 – todate          | Tri-Anta Pty Limited  |
| <i>(1988 – todate)</i> | <i>(various current leases &amp; sub leases shown on Folio Identifier 100/617017)</i> |
| 1988 – 1997            | Howard Chia Pty. Limited  |
| <i>(1988 – todate)</i> | <i>(various leases shown on Historical Folio 100/617017)</i>                          |
|                        | <b>(Lot 100 DP 617017 – CTVol 14808 Fol 112)</b>                                      |
| 1985 – 1988            | Howard Chia Pty. Limited  |
| <i>(1985 – 1988)</i>   | <i>(various leases shown on CTVol 14808 Fol 112)</i>                                  |

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

### Note (a)

|                      |  |
|----------------------|--|
|                      | <b>(Lot 1 DP 75449 – CTVol 14093 Fol 32)</b>   |
| 1981 – 1985          | Howard Chia Pty. Limited   |
| 1980 – 1981          | The Double Bay Plaza Pty. Limited  |
| <i>(1980 – 1985)</i> | <i>(various leases shown on CTVol 14093 Fol 32)</i>  |
|                      | <b>(Lot 1 DP 75449 – Area 11 Perches – CTVol 3846 Fol 64)</b>  |
| 1979 – 1980          | The Double Bay Plaza Pty. Limited  |
| 1979 – 1979          | Tenth Lynal Nominees Pty Limited   |
| 1970 – 1979          | Eastern Village Projects Pty Limited   |
| 1965 – 1970          | Half Way House (Jugiong) Pty Limited   |
| 1965 – 1965          | Margaret Fordyce Dalrymple-Hay, spinster   |
| 1926 – 1965          | Nellie Caroline Cheesbrough, spinster  |
| 1926 – 1926          | James Patrick Paton, retired hotel-keeper  |
|                      | <b>(Land in Parish Alexandria – Area 11 1/8 Perches – Conv Bk 1228 No. 905)</b>                          |
| 1921 – 1926          | James Patrick Paton, retired hotel-keeper  |
| 1912 – 1921          | Mary Catherine Martin, wife of William Sylvester Martin<br><i>(formerly Mary Catherine Helffenstein)</i> |
|                      | <b>(Land in Double Bay Parish Alexandria – Area 11 1/8 Perches – Conv Bk 689 No. 183)</b>                |

|             |   |
|-------------|---|
| 1901 – 1912 | Mary Catherine Helffenstein, wife of Carl Louis Helffenstein, gentleman |
|-------------|---|

\*\*\*\*

**Note (b)**

|               |  |
|---------------|--|
|               | <b>(Lot 1 DP 87979 – CTVol 14093 Fol 33)</b>   |
| 1981 – 1985   | Howard Chia Pty. Limited   |
| 1980 – 1981   | The Double Bay Plaza Pty. Limited  |
| (1980 – 1985) | <i>(various leases shown on CTVol 14093 Fol 33)</i>  |
|               | <b>(Lot 1 DP 87979 – Area 7 Perches – CTVol 6668 Fol 218)</b>  |
| 1979 – 1980   | The Double Bay Plaza Pty. Limited  |
| 1979 – 1979   | Tenth Lynam Nominees Pty Limited   |
| 1970 – 1979   | Eastern Village Projects Pty Limited   |
| 1963 – 1970   | Judith Barton Antill, married woman  |
| 1960 – 1963   | Charles Stormont, retired<br>Emily Stormont, his wife  |
| 1953 – 1960   | Florence Taylor, married woman   |
| 1953 – 1953   | Elizabeth Mills, residential proprietress  |
|               | <b>(Land in Parish Alexandria – Area 7 Perches – Conv Bk 2207 No. 886)</b>   |
| 1952 – 1953   | Elizabeth Mills, residential proprietress  |
|               | <b>(Land in Parish Alexandria – Area 7 Perches – Conv Bk 1714 No. 972)</b>   |
| 1935 – 1952   | Thomas Topping, plumber  |
|               | <b>(Land in Parish Alexandria – Area 7 Perches – Conv Bk 1264 No. 820)</b>   |
| 1922 – 1935   | Archibald Tulloch, builder   |
|               | <b>(Land in Parish Alexandria – Area 7 Perches – Conv Bk 1244 No. 733)</b>   |
| 1921 – 1922   | Lucy Ann Angus, widow<br>Heather May Jackson, wife of Birnie Jackson, solicitor<br><i>(formerly Heather May Angus, spinster)</i> |
|               | <b>(Land in Parish Alexandria – Area 7 Perches – Conv Bk 742 No. 584)</b>  |
| 1903 – 1921   | Edmund James Coote, jeweller<br>Frederick Wicks  |

\*\*\*\*

**Note (c)**

|               |  |
|---------------|--|
|               | <b>(Lot 5 DP 14989 – CTVol 11352 Fol 35)</b>   |
| 1981 – 1985   | Howard Chia Pty. Limited   |
| 1979 – 1981   | The Double Bay Plaza Pty. Limited  |
| 1979 – 1979   | Tenth Lynam Nominees Pty Limited   |
| 1970 – 1979   | Eastern Village Projects Pty Limited   |
| (1970 – 1985) | <i>(various leases shown on CTVol 11352 Fol 35)</i>                                    |
|               | <b>(Lot 5 DP 14989 – Area 18 ½ Perches – CTVol 4116 Fol 128)</b>                       |
| 1970 – 1970   | Eastern Village Projects Pty Limited   |
| 1958 – 1970   | Dora Madge Ballinger, feme sole  |
| 1955 – 1958   | Cecil John Shannon, manager  |
| 1941 – 1955   | Cyril Robert Jolley, shoe manufacturer<br>Edith Jolley, his wife                       |
| 1938 – 1941   | George James Grant Junior, grazier   |
| 1938 – 1938   | James Alford Walker, chartered accountant  |
| 1928 – 1938   | Walter Cecil Rupert Eldridge, farmer   |
| 1928 – 1928   | Arthur Scriven McKittrick, merchant  |
|               | <b>(Lot 1 DP 74514 – Area 1 Acre 3 ¼ Perches – CTVol 3675 Fol 49)</b>                  |
| 1927 – 1928   | Douglas James Robertson, wool buyer  |
| 1924 – 1927   | Frank Nelson Young, manager  |
|               | <b>(Part Point Piper Estate Parish Alexandria – Area 1 Acre – Conv Bk 1263 No. 64)</b> |
| 1922 – 1924   | Frank Nelson Young, company manager  |
|               | <b>(Part Point Piper Estate Parish Alexandria – Area 1 Acre – Conv Bk 968 No. 851)</b> |
| 1912 – 1922   | John Lucas, gentleman  |

\*\*\*\*

**Note (d)**

|                      |   |
|----------------------|---|
|                      | <b>(Lot 1 DP 88269 – Area 14 Perches – CTVol 8495 Fol 89)</b>                             |
| 1982 – 1985          | Howard Chia Pty. Limited  |
| <i>(1982 – 1985)</i> | <i>(lease to The Sydney County Council of substation no. 5407)</i>                        |
| <i>(1980 – 1982)</i> | <i>(various leases shown on CTVol 8495 Fol 89)</i>  |
| 1979 – 1982          | The Double Bay Plaza Pty. Limited   |
| 1979 – 1979          | Tenth Lynam Nominees Pty Limited  |
| 1970 – 1979          | Eastern Village Projects Pty Limited  |
| 1964 – 1970          | Half Way House (Jugiong) Pty Limited  |
|                      | <b>(Lot 1 DP 88269 – Area 14 Perches – CTVol 8483 Fol's 156, 157 &amp; 158)</b>           |
| 1963 – 1964          | Mary Elizabeth Lynch, spinster<br>Edward James Lynch, taxi driver<br>James Lynch, retired |
|                      | <b>(Lot 1 DP 88269 – Area 14 Perches – CTVol 6783 Fol 229)</b>                            |
| 1954 – 1963          | James Lynch, retired  |
|                      | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 2222 No. 627)</b>                  |
| 1952 – 1954          | James Lynch, retired  |
|                      | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 1931 No. 84)</b>                   |
| 1943 – 1952          | Alleyne Clarice Zander, widow   |
|                      | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 1901 No. 616)</b>                  |
| 1941 – 1943          | Constantine John Georgiadis, fishmonger   |
|                      | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 1799 No. 463)</b>                  |
| 1937 – 1941          | Doris Vera Plomley, wife of Morris James Plomley, medical practitioner                    |
|                      | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 1551 No. 444)</b>                  |
| 1929 – 1937          | John Chalmers, marine engineer  |
|                      | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 1491 No. 305)</b>                  |
| 1927 – 1929          | Samuel Slack Ackland, clerk<br>William Charles Ackland, tailor's cutter                   |

**Cont.**



**Cont.**

|             |   |
|-------------|---|
|             | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 1361 No. 952)</b>  |
| 1924 – 1927 | Juanita Mary Ellen McShane, spinster  |
|             | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 1319 No. 233)</b>  |
| 1923 – 1924 | Arthur Barlow, clerk  |
| 1922 – 1923 | James Roger Burfitt, commission agent<br>Archibald Reid MacFarlane, grazier / executor<br>Howard MacFarlane, estate |
|             | <b>(Land Parish Alexandria – Area 14 Perches – Conv Bk 857 No. 486)</b>   |
| 1908 – 1922 | Howard MacFarlane, auctioneer   |

\*\*\*\*

# Cadastral Records Enquiry Report : Lot 100 DP 617017

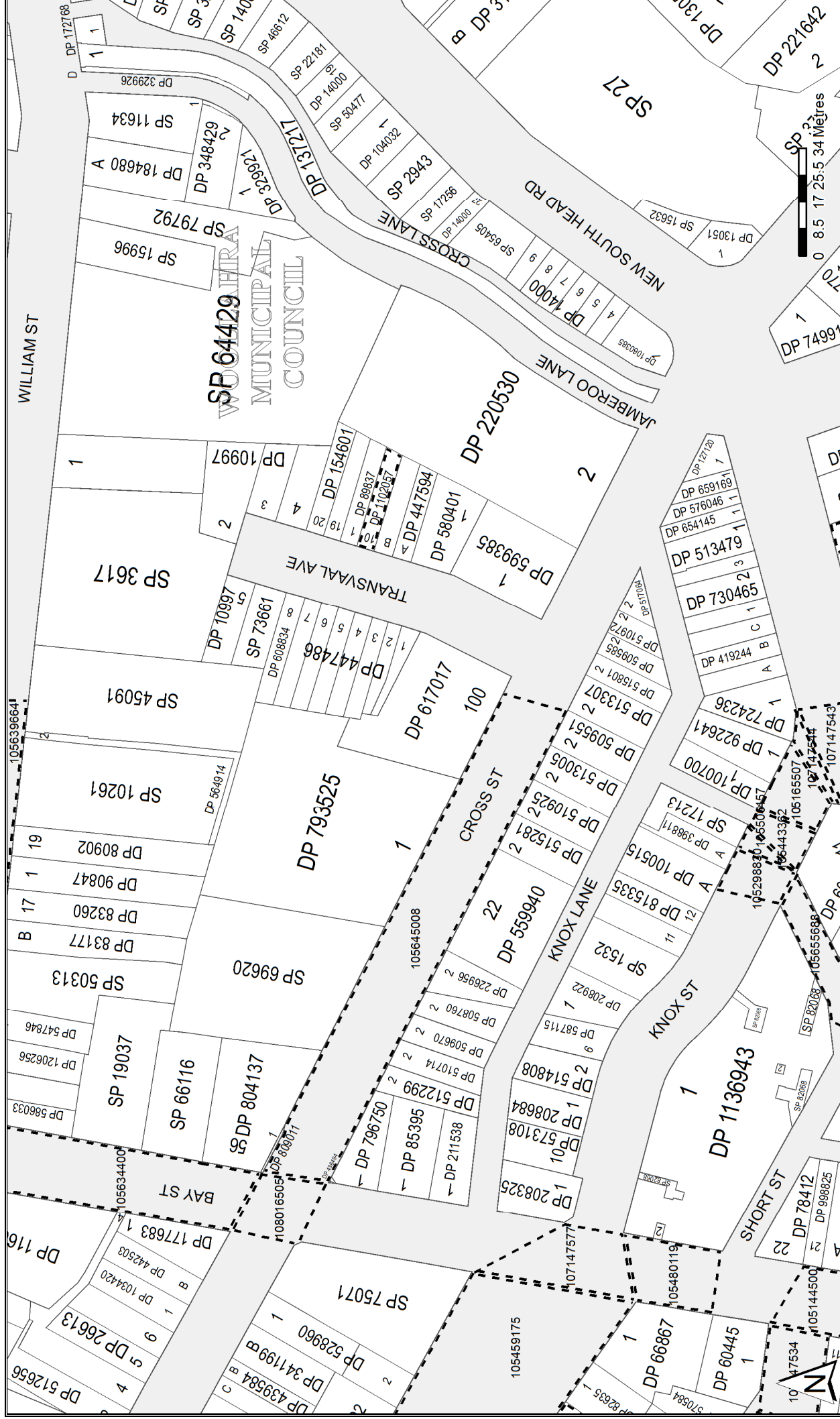
Ref : Advance Legal Searchers Pty Ltd




































Locality : DOUBLE BAY

Parish : ALEXANDRIA











LGA : WOOLLAHRA

County : CUMBERLAND




|  | Status     | Surv/Comp   | Purpose                 |
|--|------------|-------------|-------------------------|
| DP89837<br>Lot(s): 1   |            |             |                         |
|  DP1102057                  | REGISTERED | SURVEY      | OLD SYSTEM CONVERSION   |
| DP162458<br>Lot(s): B  |            |             |                         |
|  DP1117678                  | REGISTERED | SURVEY      | EASEMENT                |
| DP447594<br>Lot(s): B  |            |             |                         |
|  DP1102057                  | REGISTERED | SURVEY      | OLD SYSTEM CONVERSION   |
| DP793525<br>Lot(s): 1  |            |             |                         |
|  DP1036624                  | REGISTERED | SURVEY      | EASEMENT                |
|  DP1051103                  | REGISTERED | SURVEY      | EASEMENT                |
| DP1034420<br>Lot(s): 1   |            |             |                         |
|  DP197080                   | HISTORICAL | COMPILATION | DEPARTMENTAL            |
| DP1102057<br>Lot(s): 10  |            |             |                         |
|  PA82167 - LOT 10 DP1102057 |            |             |                         |
| DP1136943<br>Lot(s): 1, 2  |            |             |                         |
|  DP231324                   | HISTORICAL | SURVEY      | OLD SYSTEM CONVERSION   |
|  SP82068                    | REGISTERED | COMPILATION | LEASEHOLD STRATA PLAN   |
| DP1160012<br>Lot(s): 10  |            |             |                         |
|  DP26613                    | HISTORICAL | SURVEY      | UNRESEARCHED            |
|  DP88564                    | HISTORICAL | SURVEY      | UNRESEARCHED            |
|  SP11141                   | HISTORICAL | COMPILATION | STRATA PLAN             |
| SP19037  |            |             |                         |
|  DP1206256                | REGISTERED | SURVEY      | SUBDIVISION             |
|  DP1214578                | WITHDRAWN  | UNAVAILABLE | SUBDIVISION             |
|  SP92555                  | WITHDRAWN  | UNAVAILABLE | STRATA PLAN             |
|  SP95609                  | REGISTERED | COMPILATION | STRATA SUBDIVISION PLAN |
| SP32968  |            |             |                         |
|  SP69019                  | REGISTERED | COMPILATION | STRATA SUBDIVISION PLAN |
| SP64429  |            |             |                         |
|  DP211825                 | HISTORICAL | SURVEY      | SUBDIVISION             |
|  DP211826                 | HISTORICAL | SURVEY      | SUBDIVISION             |
|  DP212187                 | HISTORICAL | SURVEY      | SUBDIVISION             |
|  DP212188                 | HISTORICAL | SURVEY      | SUBDIVISION             |
|  DP220530                 | HISTORICAL | SURVEY      | SUBDIVISION             |
|  DP1010161                | REGISTERED | SURVEY      | OLD SYSTEM CONVERSION   |
|  DP1021719                | REGISTERED | SURVEY      | SUBDIVISION             |
| SP65405  |            |             |                         |
|  DP1027518                | HISTORICAL | SURVEY      | CONSOLIDATION           |
| SP66116  |            |             |                         |
|  DP702797                 | HISTORICAL | SURVEY      | REDEFINITION            |
| SP69620  |            |             |                         |
|  DP864692                 | HISTORICAL | SURVEY      | REDEFINITION            |
|  DP1036624                | REGISTERED | SURVEY      | EASEMENT                |
|  DP1051103                | REGISTERED | SURVEY      | EASEMENT                |
|  SP53877                  | HISTORICAL | COMPILATION | STRATA PLAN             |
|  SP94658                  | REGISTERED | COMPILATION | STRATA SUBDIVISION PLAN |
| SP73661  |            |             |                         |
|  DP10997                  | HISTORICAL | SURVEY      | UNRESEARCHED            |
|  DP1070907                | REGISTERED | SURVEY      | REDEFINITION            |
| SP75071  |            |             |                         |
|  DP338045                 | HISTORICAL | COMPILATION | UNRESEARCHED            |
|  DP1065905                | REGISTERED | SURVEY      | CONSOLIDATION           |

**Caution:** This information is provided as a searching aid only. Whilst every endeavour is made the 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               |
|--|------------|-------------|-----------------------|
| SP79792  |            |             |                       |
|  DP212187     | HISTORICAL | SURVEY      | SUBDIVISION           |
|  DP212188     | HISTORICAL | SURVEY      | SUBDIVISION           |
|  DP1028407    | REGISTERED | SURVEY      | SUBDIVISION           |
|  DP1100833    | REGISTERED | SURVEY      | CONSOLIDATION         |
| SP82068  |            |             |                       |
|  DP231324     | HISTORICAL | SURVEY      | OLD SYSTEM CONVERSION |
|  DP1136943    | REGISTERED | SURVEY      | SUBDIVISION           |
| SP85972  |            |             |                       |
|  DP86951      | HISTORICAL | SURVEY      | UNRESEARCHED          |
|  DP981014     | HISTORICAL | SURVEY      | UNRESEARCHED          |
|  DP1167706    | REGISTERED | SURVEY      | REDEFINITION          |
|  SEE AG322599 |            |             |                       |
| SP11015  | TERMINATED | COMPILATION | STRATA PLAN           |

## Intersection


Polygon Id(s): 105144500

 EX-SUR 05/28 DP1111473


Polygon Id(s): 107147537

 EX-SUR 07/01 DP1111473

Polygon Id(s): 107147577

 EX-SUR 36/35 DP983219

Polygon Id(s): 108016505


 EX-SUR 83/45 DP985083

Polygon Id(s): 105298830, 105443362, 107147543, 107147544


 EX-SUR 62/26 DP980869

## Road

Polygon Id(s): 107147534

 EX-SUR 07/01 DP1111473


Polygon Id(s): 105459175, 105480119

 EX-SUR 36/35 DP983219

Polygon Id(s): 105634400, 105639664, 105645008

 EX-SUR 83/45 DP985083

Polygon Id(s): 105165507, 105506457, 105655688

 EX-SUR 62/26 DP980869

**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.

**Locality :** DOUBLE BAY

**Parish :** ALEXANDRIA

**LGA :** WOOLLAHRA

**County :** CUMBERLAND

| Plan     | Surv/Comp   | Purpose               |
|----------|-------------|-----------------------|
| DP4606   | COMPILATION | UNRESEARCHED          |
| DP10997  | SURVEY      | UNRESEARCHED          |
| DP13051  | SURVEY      | UNRESEARCHED          |
| DP14000  | SURVEY      | UNRESEARCHED          |
| DP15059  | SURVEY      | UNRESEARCHED          |
| DP26613  | SURVEY      | UNRESEARCHED          |
| DP60445  | SURVEY      | UNRESEARCHED          |
| DP66867  | SURVEY      | UNRESEARCHED          |
| DP78412  | SURVEY      | UNRESEARCHED          |
| DP80902  | SURVEY      | UNRESEARCHED          |
| DP82635  | SURVEY      | UNRESEARCHED          |
| DP83177  | SURVEY      | UNRESEARCHED          |
| DP83260  | SURVEY      | UNRESEARCHED          |
| DP85395  | SURVEY      | UNRESEARCHED          |
| DP88447  | SURVEY      | UNRESEARCHED          |
| DP89837  | SURVEY      | UNRESEARCHED          |
| DP90847  | SURVEY      | UNRESEARCHED          |
| DP100515 | SURVEY      | UNRESEARCHED          |
| DP100700 | COMPILATION | UNRESEARCHED          |
| DP104032 | COMPILATION | UNRESEARCHED          |
| DP127120 | COMPILATION | DEPARTMENTAL          |
| DP127132 | COMPILATION | DEPARTMENTAL          |
| DP137217 | COMPILATION | DEPARTMENTAL          |
| DP154601 | SURVEY      | UNRESEARCHED          |
| DP162458 | SURVEY      | UNRESEARCHED          |
| DP172768 | COMPILATION | UNRESEARCHED          |
| DP177683 | SURVEY      | UNRESEARCHED          |
| DP184680 | COMPILATION | UNRESEARCHED          |
| DP206655 | SURVEY      | OLD SYSTEM CONVERSION |
| DP208325 | SURVEY      | ROAD OR MOTORWAY      |
| DP208684 | SURVEY      | SUBDIVISION           |
| DP208922 | SURVEY      | SUBDIVISION           |
| DP211538 | SURVEY      | SUBDIVISION           |
| DP220530 | SURVEY      | SUBDIVISION           |
| DP220568 | COMPILATION | SUBDIVISION           |
| DP221642 | SURVEY      | ROAD OR MOTORWAY      |
| DP226956 | SURVEY      | OLD SYSTEM CONVERSION |
| DP312738 | COMPILATION | UNRESEARCHED          |
| DP316911 | COMPILATION | UNRESEARCHED          |
| DP320001 | COMPILATION | UNRESEARCHED          |
| DP329921 | SURVEY      | UNRESEARCHED          |
| DP329926 | COMPILATION | UNRESEARCHED          |
| DP330732 | SURVEY      | UNRESEARCHED          |
| DP334604 | SURVEY      | UNRESEARCHED          |
| DP341199 | COMPILATION | UNRESEARCHED          |
| DP348429 | SURVEY      | UNRESEARCHED          |
| DP371452 | SURVEY      | UNRESEARCHED          |
| DP398811 | SURVEY      | UNRESEARCHED          |
| DP419244 | SURVEY      | UNRESEARCHED          |
| DP436494 | COMPILATION | UNRESEARCHED          |
| DP439584 | SURVEY      | UNRESEARCHED          |
| DP442503 | SURVEY      | UNRESEARCHED          |
| DP447486 | SURVEY      | UNRESEARCHED          |
| DP447594 | SURVEY      | UNRESEARCHED          |
| DP508760 | SURVEY      | SUBDIVISION           |
| DP509551 | SURVEY      | SUBDIVISION           |
| DP509585 | SURVEY      | SUBDIVISION           |
| DP509670 | SURVEY      | SUBDIVISION           |
| DP510714 | SURVEY      | SUBDIVISION           |
| DP510925 | SURVEY      | SUBDIVISION           |
| DP510972 | SURVEY      | SUBDIVISION           |
| DP512299 | SURVEY      | SUBDIVISION           |
| DP512656 | COMPILATION | SUBDIVISION           |
| DP513005 | SURVEY      | SUBDIVISION           |
| DP513307 | SURVEY      | SUBDIVISION           |

**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.

**Locality :** DOUBLE BAY

**Parish :** ALEXANDRIA

**LGA :** WOOLLAHRA

**County :** CUMBERLAND

| Plan      | Surv/Comp    | Purpose                      |
|-----------|--------------|------------------------------|
| DP513479  | COMPILATION  | DEPARTMENTAL                 |
| DP514808  | SURVEY       | SUBDIVISION                  |
| DP515281  | SURVEY       | SUBDIVISION                  |
| DP515801  | SURVEY       | SUBDIVISION                  |
| DP517064  | SURVEY       | SUBDIVISION                  |
| DP528960  | COMPILATION  | SUBDIVISION                  |
| DP533101  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP547846  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP559940  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP564914  | COMPILATION  | SUBDIVISION                  |
| DP570584  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP573108  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP576046  | COMPILATION  | DEPARTMENTAL                 |
| DP580401  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP586033  | SURVEY       | SUBDIVISION                  |
| DP587115  | COMPILATION  | SUBDIVISION                  |
| DP593770  | SURVEY       | CONSOLIDATION                |
| DP599385  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP608834  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP608859  | SURVEY       | CONSOLIDATION                |
| DP617017  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP654145  | COMPILATION  | DEPARTMENTAL                 |
| DP659169  | COMPILATION  | DEPARTMENTAL                 |
| DP724236  | COMPILATION  | DEPARTMENTAL                 |
| DP730465  | SURVEY       | SUBDIVISION                  |
| DP749918  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP793525  | SURVEY       | CONSOLIDATION                |
| DP796750  | COMPILATION  | DEPARTMENTAL                 |
| DP804137  | SURVEY       | OLD SYSTEM CONVERSION        |
| DP809011  | COMPILATION  | SUBDIVISION                  |
| DP815335  | SURVEY       | SUBDIVISION                  |
| DP880983  | SURVEY       | CONSOLIDATION                |
| DP922641  | COMPILATION  | UNRESEARCHED                 |
| DP986525  | COMPILATION  | DEPARTMENTAL                 |
| DP998825  | COMPILATION  | DEPARTMENTAL                 |
| DP1034420 | SURVEY       | CONSOLIDATION                |
| DP1060385 | SURVEY       | CONSOLIDATION                |
| DP1102057 | SURVEY       | OLD SYSTEM CONVERSION        |
| DP1136943 | SURVEY       | SUBDIVISION                  |
| DP1136943 | UNRESEARCHED | BUILDING STRATUM SUBDIVISION |
| DP1160012 | SURVEY       | CONSOLIDATION                |
| DP1206256 | SURVEY       | SUBDIVISION                  |
| DP1206256 | UNRESEARCHED | SUBDIVISION                  |
| SP27      | COMPILATION  | STRATA PLAN                  |
| SP375     | COMPILATION  | STRATA PLAN                  |
| SP492     | COMPILATION  | STRATA PLAN                  |
| SP1532    | COMPILATION  | STRATA PLAN                  |
| SP2943    | COMPILATION  | STRATA PLAN                  |
| SP3617    | COMPILATION  | STRATA PLAN                  |
| SP10261   | COMPILATION  | STRATA PLAN                  |
| SP11634   | COMPILATION  | STRATA PLAN                  |
| SP14087   | COMPILATION  | STRATA PLAN                  |
| SP14644   | COMPILATION  | STRATA PLAN                  |
| SP15632   | COMPILATION  | STRATA PLAN                  |
| SP15996   | COMPILATION  | STRATA PLAN                  |
| SP17213   | COMPILATION  | STRATA PLAN                  |
| SP17256   | COMPILATION  | STRATA PLAN                  |
| SP19037   | COMPILATION  | STRATA PLAN                  |
| SP22181   | COMPILATION  | STRATA PLAN                  |
| SP32707   | COMPILATION  | STRATA PLAN                  |
| SP32968   | COMPILATION  | STRATA PLAN                  |
| SP45091   | COMPILATION  | STRATA PLAN                  |
| SP46612   | COMPILATION  | STRATA PLAN                  |
| SP50313   | COMPILATION  | STRATA PLAN                  |
| SP50477   | COMPILATION  | STRATA PLAN                  |
| SP56428   | COMPILATION  | STRATA PLAN                  |

**Caution:** This information is provided as a searching aid only. Whilst every endeavour is made the 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.



| <b>Plan</b> | <b>Surv/Comp</b> | <b>Purpose</b>        |
|-------------|------------------|-----------------------|
| SP58183     | COMPILATION      | STRATA PLAN           |
| SP64429     | COMPILATION      | STRATA PLAN           |
| SP65405     | COMPILATION      | STRATA PLAN           |
| SP66116     | COMPILATION      | STRATA PLAN           |
| SP69620     | COMPILATION      | STRATA PLAN           |
| SP73661     | COMPILATION      | STRATA PLAN           |
| SP75071     | COMPILATION      | STRATA PLAN           |
| SP79792     | COMPILATION      | STRATA PLAN           |
| SP82068     | UNRESEARCHED     | STRATA PLAN           |
| SP82068     | COMPILATION      | LEASEHOLD STRATA PLAN |
| SP85972     | COMPILATION      | 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.

NEW SOUTH WALES



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



11352035

Appln. No.24514

Prior Title Vol.4116 Fol.128

Vol. 11352 Fol. 35

Edition issued 1-7-1970

L886046

**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.

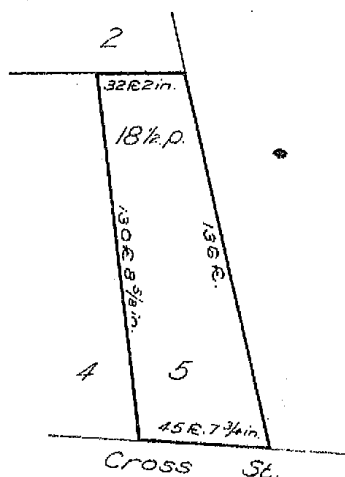
Witness

*Barnes*

*Jan Watson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND



L886046 Reg.  
*ct*  
*10/1*

Scale: 50 feet to one inch

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 5 in Deposited Plan 14989 in the Municipality of Woollahra Parish of Alexandria and County of Cumberland being part of 1130 acres granted to Daniel Cooper and Solomon Levey on 22-3-1830.

FIRST SCHEDULE

~~EASTERN VILLAGE PROJECTS PTY. LIMITED.~~

SECOND SCHEDULE


1. Reservations and conditions, if any, contained in the Crown Grant above referred to;
2. ~~Govenant created by Transfer No. L886046.~~ *Cancelled Pa 1028*
3. ~~Eveat No. L807323, Enacted 17 4 1970.~~ *with L854105*

*Jan Watson*  
Registrar General

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

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

**EXHIBIT C SCHEDULE (CONTINUED)**

| REGISTERED PROPRIETOR   | NATURE  | INSTRUMENT NUMBER                            | DATE | ENTERED   | Signature of Registrar-General  |
|---|---|--|------|---|---|
|   |   |  |      |   |   |
| <p><i>Heath &amp; Sons, Proprietors of the De Witt Bay Pigeon Co. Limited</i></p> <p></p> <p>Howard Onia Pty. Limited by Transfer S735464. Registered 13-11-1981</p> | <p><i>Transfer</i></p> <p><i>13-11-1981</i></p> | <p><i>2124894</i></p> <p><i>18572677</i></p> |      | <p><i>13-11-1981</i></p> <p><i>17-12-1979</i></p> | <p><i>[Signature]</i></p> <p><i>[Signature]</i></p> <p><i>[Signature]</i></p> |
| <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>NEW CERTIFICATES OF TITLE ISSUED ON D.P. 617017.</p> <p>NO DEALING TO BE REGISTERED WITHOUT REFERENCE TO SURVEY BRANCH.</p> </div>  |   |  |      |   |   |

NEW CERTIFICATION OF TITLE ISSUING ON D.P. 617Q1Z  
NO DEALING TO BE REGISTERED WITHOUT REFERENCE TO  
SURVEY DRAFTING BRANCH.

## SECOND SCHEDULE (continued)

| SECOND SCHEDULE (continued) |                   |          |   |           |                                |              |
|-----------------------------|-------------------|----------|---|-----------|--------------------------------|--------------|
| NATURE                      | INSTRUMENT NUMBER | DATE     | PARTICULARS   | ENTERED   | Signature of Registrar-General | CANCELLATION |
| Mortgage                    | 1855997           | 7-4-1970 | to Commonwealth General Corporation Limited   | 14-7-1970 | <i>[Signature]</i>             | M564733      |
| Grant                       | 299496            | —        | by Tania Lynn Nemara Pty. Limited   | 15-2-1971 | <i>[Signature]</i>             | R 124493     |
| Mortgage                    | R124493           | —        | to Philip Anthony Nemara, Director  | 15-3-1979 | <i>[Signature]</i>             | S735463      |
| Mortgage                    | 1845595           | —        | affected by S735463-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825-2826-2827-2828-2829-2830-2831-2832-2833-2834-2835-2836-2837-2838-2839-2840-2841-2842-2843-2844-2845-2846-2847-2848-2849-2850-2851-2852-2853-2854-2855-2856-2857-2858-2859-2860-2861-2862-2863-2864-2865-2866-2867-2868-2869-2870-2871-2872-2873-2874-2875-2876-2877-2878-2879-2880-2881-2882-2883-2884-2885-2886-2887-2888-2889-2890-2891-2892-2893-2894-2895-2896-2897-2898-2899-2900-2901-2902-2903-2904-2905-2906-2907-2908-2909-2910-2911-2912-2913-2914-2915-2916-2917-2918-2919-2920-2921-2922-2923-2924-2925-2926-2927-2928-2929-2930-2931-2932-2933-2934-2935-2936-2937-2938-2939-2940-2941-2942-2943-2944-2945-2946-2947-2948-2949-2950-2951-2952-2953-2954-2955-2956-2957-2958-2959-2960-2961-2962-2963-2964-2965-2966-2967-2968-2969-2970-2971-2972-2973-2974-2975-2976-2977-2978-2979-2980-2981-2982-2983-2984-2985-2986-2987-2988-2989-2990-2991-2992-2993-2994-2995-2996-2997-2998-2999-3000-3001-3002-3003-3004-3005-3006-3007-3008-3009-3010-3011-3012-3013-3014-3015-3016-3017-3018-3019-3020-3021-3022-3023-3024-3025-3026-3027-3028-3029-3030-3031-3032-3033-3034-3035-3036-3037-3038-3039-3040-3041-3042-3043-3044-3045-3046-3047-3048-3049-3050-3051-3052-3053-3054-3055-3056-3057-3058-3059-3060-3061-3062-3063-3064-3065-3066-3067-3068-3069-3070-3071-3072-3073-3074-3075-3076-3077-3078-3079-3080-3081-3082-3083-3084-3085-3086-3087-3088-3089-3090-3091-3092-3093-3094-3095-3096-3097-3098-3099-3100-3101-3102-3103-3104-3105-3106-3107-3108-3109-3110-3111-3112-3113-3114-3115-3116-3117-3118-3119-3120-3121-3122-3123-3124-3125-3126-3127-3128-3129-3130-3131-3132-3133-3134-3135-3136-3137-3138-3139-3140-3141-3142-3143-3144-3145-3146-3147-3148-3149-3150-3151-3152-3153-3154-3155-3156-3157-3158-3159-3160-3161-3162-3163-3164-3165-3166-3167-3168-3169-3170-3171-3172-3173-3174-3175-3176-3177-3178-3179-3180-3181-3182-3183-3184-3185-3186-3187-3188-3189-3190-3191-3192-3193-3194-3195-3196-3197-3198-3199-3200-3201-3202-3203-3204-3205-3206-3207-3208-3209-3210-3211-3212-3213-3214-3215-3216-3217-3218-3219-3220-3221-3222-3223-3224-3225-3226-3227-3228-3229-3230-3231-3232-3233-3234-3235-3236-3237-3238-3239-3240-3241-3242-3243-3244-3245-3246-3247-3248-3249-3250-3251-3252-3253-3254-3255-3256-3257-3258-3259-3260-3261-3262-3263-3264-3265-3266-3267-3268-3269-3270-3271-3272-3273-3274-3275-3276-3277-3278-3279-3280-3281-3282-3283-3284-3285-3286-3287-3288-3289-3290-3291-3292-3293-3294-3295-3296-3297-3298-3299-3300-3301-3302-3303-3304-3305-3306-3307-3308-3309-3310-3311-3312-3313-3314-3315-3316-3317-3318-3319-3320-3321-3322-3323-3324-3325-3326-3327-3328-3329-3330-3331-3332-3333-3334-3335-3336-3337-3338-3339-3340-3341-3342-3343-3344-3345-3346-3347-3348-3349-3350-3351-3352-3353-3354-3355-3356-3357-3358-3359-3360-3361-3362-3363-3364-3365-3366-3367-3368-3369-3370-3371-3372-3373-3374-3375-3376-3377-3378-3379-3380-3381-3382-3383-3384-3385-3386-3387-3388-3389-3390-3391-3392-3393-3394-3395-3396-3397-3398-3399-3400-3401-3402-3403-3404-3405-3406-3407-3408-3409-3410-3411-3412-3413-3414-3415-3416-3417-3418-3419-3420-3421-3422-3423-3424-3425-3426-3427-3428-3429-3430-3431-3432-3433-3434-3435-3436-3437-3438-3439-3440-3441-3442-3443-3444-3445-3446-3447-3448-3449-3450-3451-3452-3453-3454-3455-3456-3457-3458-3459-3460-3461-3462-3463-3464-3465-3466-3467-3468-3469-3470-3471-3472-3473-3474-3475-3476-3477-3478-3479-3480-3481-3482-3483-3484-3485-3486-3487-3488-3489-3490-3491-3492-3493-3494-3495-3496-3497-3498-3499-3500-3501-3502-3503-3504-3505-3506-3507-3508-3509-3510-3511-3512-3513-3514-3515-3516-3517-3518-3519-3520-3521-3522-3523-3524-3525-3526-3527-3528-3529-3530-3531-3532-3533-3534-3535-3536-3537-3538-3539-3540-3541-3542-3543-3544-3545-3546-3547-3548-3549-3550-3551-3552-3553-3554-3555-3556-3557-3558-3559-3560-3561-3562-3563-3564-3565-3566-3567-3568-3569-3570-3571-3572-3573-3574-3575-3576-3577-3578-3579-3580-3581-3582-3583-3584-3585-3586-3587-3588-3589-3590-3591-3592-3593-3594-3595-3596-3597-3598-3599-3600-3601-3602-3603-3604-3605-3606-3607-3608-3609-3610-3611-3612-3613-3614-3615-3616-3617-3618-3619-3620-3621-3622-3623-3624-3625-3626-3627-3628-3629-3630-3631-3632-3633-3634-3635-3636-3637-3638-3639-3640-3641-3642-3643-3644-3645-3646-3647-3648-3649-3650-3651-3652-3653-3654-3655-3656-3657-3658-3659-3660-3661-3662-3663-3664-3665-3666-3667-3668-3669-3670-3671-3672-3673-3674-3675-3676-3677-3678-3679-3680-3681-3682-3683-3684-3685-3686-3687-3688-3689-3690-3691-3692-3693-3694-3695-3696-3697-3698-3699-3700-3701-3702-3703-3704-3705-3706-3707-3708-3709-3710-3711-3712-3713-3714-3715-3716-3717-3718-3719-3720-3721-3722-3723-3724-3725-3726-3727-3728-3729-3730-3731-3732-3733-3734-3735-3736-3737-3738-3739-3740-3741-3742-3743-3744-3745-3746-3747-3748-3749-3750-3751-3752-3753-3754-3755-3756-3757-3758-3759-3760-3761-3762-3763-3764-3765-3766-3767-3768-3769-3770-3771-3772-3773-3774-3775-3776-3777-3778-3779-3780-3781-3782-3783-3784-3785-3786-3787-3788-3789-3790-3791-3792-3793-3794-3795-3796-3797-3798-3799-3800-3801-3802-3803-3804-3805-3806-3807-3808-3809-3810-3811-3812-3813-3814-3815-3816-3817-3818-3819-3820-3821-3822-3823-3824-3825-3826-3827-3828-3829-3830-3831-3832-3833-3834-3835-3836-3837-3838-3839-3840-3841-3842-3843-3844-3845-3846-3847-3848-3849-3850-3851-3852-3853-3854-3855-3856-3857-3858-3859-3860-3861-3862-3863-3864-3865-3866-3867-3868-3869-3870-3871-3872-3873-3874-3875-3876-3877-3878-3879-3880-3881-3882-3883-3884-3885-3886-3887-3888-3889-3890-3891-3892-3893-3894-3895-3896-3897-3898-3899-3900-3901-3902-3903-3904-3905-3906-3907-3908-3909-3910-3911-3912-3913-3914-3915-3916-3917-3918-3919-3920-3921-3922-3923-3924-3925-3926-3927-3928-3929-3930-3931-3932-3933-3934-3935-3936-3937-3938-3939-3940-3941-3942-3943-3944-3945-3946-3947-3948-3949-3950-3951-3952-3953-3954-3955-3956-3957-3958-3959-3960-3961-3962-3963-3964-3965-3966-3967-3968-3969-3970-3971-3972-3973-3974-3975-3976-3977-3978-3979-3980-3981-3982-3983-3984-3985-3986-3987-3988-3989-3990-3991-3992-3993-3994-3995-3996-3997-3998-3999-4000-4001-4002-4003-4004-4005-4006-4007-4008-4009-4010-4011-4012-4013-4014-4015-4016-4017-4018-4019-4020-4021-4022-4023-4024-4025-4026-4027-4028-4029-4030-4031-4032-4033-4034-4035-4036-4037-4038-4039-4040-4041-4042-4043-4044-4045-4046-4047-4048-4049-4050-4051-4052-4053-4054-4055-4056-4057-4058-4059-4060-4061-4062-4063-4064-4065-4066-4067-4068-4069-4070-4071-4072-4073-4074-4075-4076-4077-4078-4079-4080-4081-4082-4083-4084-4085-4086-4087-4088-4089-4090-4091-4092-4093-4094-4095-4096-4097-4098-4099-4100-4101-4102-4103-4104-4105-4106-4107-4108-4109-4110-4111-4112-4113-4114-4115-4116-4117-4118-4119-4120-4121-4122-4123-4124-4125-4126-4127-4128-4129-4130-4131-4132-4133-4134-4135-4136-4137-4138-4139-4140-4141-4142-4143-4144-4145-4146-4147-4148-4149-4150-4151-4152-4153-4154-4155-4156-4157-4158-4159-4160-4161-4162-4163-4164-4165-4166-4167-4168-4169-4170-4171-4172-4173-4174-4175-4176-4177-4178-4179-4180-4181-4182-4183-4184-4185-4186-4187-4188-4189-4190-4191-4192-4193-4194-4195-4196-4197-4198-4199-4200-4201-4202-4203-4204-4205-4206-4207-4208-4209-4210-4211-4212-4213-4214-4215-4216-4217-4218-4219-4220-4221-4222-4223-4224-4225-4226-4227-4228-4229-4230-4231-4232-4233-4234-4235-4236-4237-4238-4239-4240-4241-4242-4243-4244-4245-4246-4247-4248-4249-4250-4251-4252-4253-4254-4255-4256-4257-4258-4259-4260-4261-4262-4263-4264-4265-4266-4267-4268-4269-4270-4271-4272-4273-4274-4275-4276-4277-4278-4279-4280-4281-4282-4283-4284-4285-4286-4287-4288-4289-4290-4291-4292-4293-4294-4295-4296-4297-4298-4299-4300-4301-4302-4303-4304-4305-4306-4307-4308-4309-4310-4311-4312-4313-4314-4315-4316-4317-4318-4319-4320-4321-4322-4323-4324-4325-4326-4327-4328-4329-4330-4331-4332-4333-4334-4335-4336-4337-4338-4339-4340-4341-4342-4343-4344-4345-4346-4347-4348-4349-4350-4351-4352-4353-4354-4355-4356-4357-4358-4359-4360-4361-4362-4363-4364-4365-4366-4367-4368-4369-4370-4371-4372-4373-4374-4375-4376-4377-4378-4379-4380-4381-4382-4383-4384-4385- |           |                                |              |

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

(Page

VOL.

FOL.

OF PART OF THE PREMISES KNOWN AS "DOUBLE BAY PLAZA", 17-23 CROSS STREET, DOUBLE BAY.

SECOND SCHEDULE (continued)

| INSTRUMENT |   | SHOP. | LESSEES   | DATE OF EXPIRY | REGISTERED | Signature of Registrar General | CANCELLATION |
|------------|---|-------|---|----------------|------------|--------------------------------|--------------|
| NATURE     | NUMBER  |       |   |                |            |                                |              |
| Lease      | S76430  | No.5  | to Ronald Joseph Sylvester Lee of Watsons Bay, Business Proprietor and Diana Delores Mullins of Rose Bay, Business Proprietor as tenants in common, together with option of renewal | 11-6-1986      | 26-2-1981  |                                |              |
| Lease      | S708274   | 6.    | to Arbalest Pty. Limited. Together with an option of renewal.   | 30-4-1986.     | 22-9-1981. |                                |              |
| Lease      | S708275   | 10.   | to Emstek Pty. Limited. Together with an option of renewal.   | 31-10-1985.    | 22-9-1981. |                                |              |
| S735465    | Mortgage to Citicorp Australia Limited. Registered 13-11-1981 |       |   |                |            |                                |              |

This deed is cancelled as to the whole  
 New certificates of title have issued on 19-7-1982  
 for lots in ~~registered~~ Plan No 617017 as follows:  
 Lots 105 Vol 14-808 fol 112  
 consolidation  
 vide EPA 57698

REGISTRAR GENERAL

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

SECOND SCHEDULE (continued)

OF PART OF THE PREMISES KNOWN AS

"DOUBLE BAY PLAZA",

17-23 CROSS STREET,

DOUBLE BAY.

INSTRUMENT

NUMBER

SHOP.

LESSEES

DATE OF EXPIRY

REGISTERED

Signature of Registrar General

CANCELLATION

Lease R981167

8.

to Charles Andrew Burton Fairbairn of Bellevue Hill, Accountant and Rhonda Patricia Perry of Double Bay, Legal Practitioner, as tenants in common. Together with Option of Renewal.

31-5-1985.  
30-6-1985.

25-8-1980.  
25-8-1980.



Lease R981169

1.

to Seymour Gross Pty. Ltd. Together with Option of Renewal.

31-5-1985.  
30-6-1985.

25-8-1980.  
25-8-1980.



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

# CERTIFICATE OF TITLE

PROPERTY ACT, 1900



14093

NEW SOUTH WALES

Vol. 14093 Fol. 32

32

Appln No 25449

Prior Title Vol. 3846 Fol. 64



**CANCELLED**

EDITION ISSUED

2 4 1980

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.

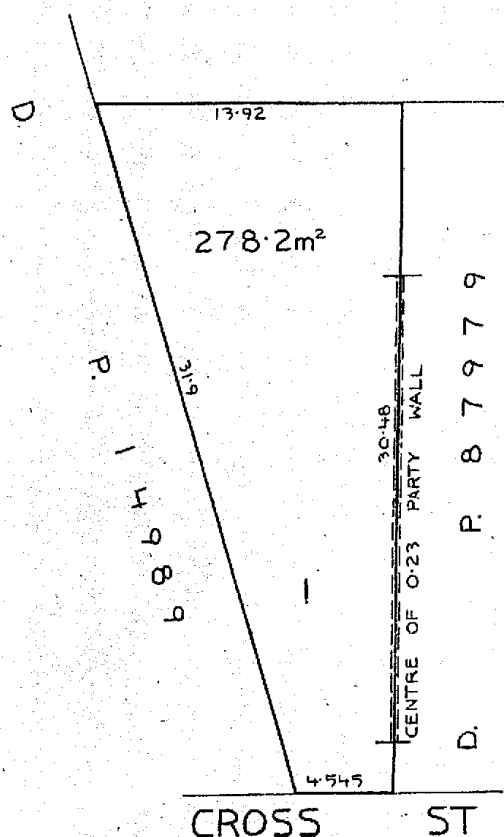
*[Signature]*

Registrar General.



## PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



R578677 /B.

REDUCTION RATIO 1:250

### ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 1 in Deposited Plan 75449 at Double Bay in the Municipality of Woollahra Parish of Alexandria County of Cumberland being part of 457.3 hectares granted to Daniel Cooper and Solomon Levey on 22-3-1830.

### FIRST SCHEDULE

THE DOUBLE BAY PLAZA PTY LIMITED

### SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown grant above referred to.
2. R124895 Mortgage to Network Finance Limited. Discharged S735463
3. R124895 Mortgage affected by R578677 Variation of Mortgage. Cancelled S735463

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE REGISTRAR GENERAL'S OFFICE

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

(Page 1) Vol.

14093





576430

(Page

573546301  
4/18  
5/11

598559 Reg


194360/11  
referred  
13/10/82

VOL.

FOL.

SECOND SCHEDULE (continued)

OF PART OF THE PREMISES KNOWN AS "DOUBLE BAY PLAZA". 17-23 CROSS STREET, DOUBLE BAY.

| INSTRUMENT |         | SHOP. | LESSEES  | DATE OF EXPIRY | REGISTERED | Signature of Registrar General  | CANCELLATION |
|------------|---------|-------|--|----------------|------------|---|--------------|
| NATURE     | NUMBER  |       |  |                |            |   |              |
| Lease      | S76430  | No. 5 | to Ronald Joseph Sylvester Lee of Watsons Bay, Business Proprietor and Diana Delores Mullins of Rose Bay, Business Proprietor as tenants in common, together with option of renewal<br>to Arbalest Pty. Limited. Together with an option of renewal.<br>to Emstek Pty. Limited. Together with an option of renewal.<br>Mortgage to Citicorp Australia Limited. R registered 13-11-1981 | 11-6-1986      | 26-2-1981  |  |              |
| Lease      | S708274 | 6.    |  | 30-4-1986.     | 22-9-1981. |   |              |
| Lease      | S708275 | 10.   |  |                | 22-9-1981. |   |              |
| S735465    |         |       |  |                |            |   |              |

This deed is cancelled as to the whole


New certificates of Title have issued on 19-7-1982

for lots in Deposited Plan No 617017 as follows:-


Lots 100 Vol 14808 fol 112 respectively

consolidation

vide RPA 55698





REGISTRAR GENERAL



NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE REGISTRAR

This deed is cancelled as to the whole  
 New certificates of Title have issued on 19-7-1982  
 for lots in Deposited Plan No. 617017 as follows:  
 Lots 100 Vol. 14808 Fol. 112 respectively.  
 consolidation  
 vide PPA 55698

  
 REGISTRAR GENERAL



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

\*

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

NEW SOUTH WALES

**C** **CERTIFICATE OF TITLE**  
PROPERTY ACT, 1900



14093

Vol. **14093** Fol. **33**

Appln No 37979

Prior Title Vol. 6668 Fol. 218



**CANCELLED** ☒

EDITION ISSUED

2 4 1980

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.

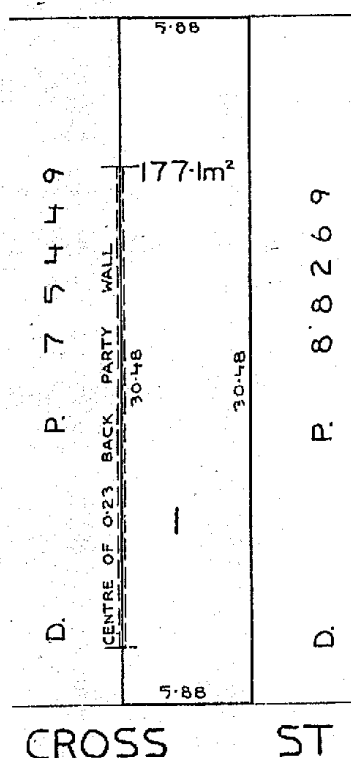
*[Signature]*

Registrar General.



**PLAN SHOWING LOCATION OF LAND**

LENGTHS ARE IN METRES



REDUCTION RATIO 1:250

**ESTATE AND LAND REFERRED TO**

Estate in Fee Simple in Lot 1 in Deposited Plan 87979 at Double Bay in the Municipality of Woollahra Parish of Alexandria County of Cumberland being part of 457.3 hectares granted to Daniel Cooper and Solomon Levey on 22-3-1830.

**FIRST SCHEDULE**

~~THE DOUBLE BAY PLAZA PTY. LIMITED~~

**SECOND SCHEDULE**

1. Reservations and conditions, if any, contained in the Crown grant above referred to.
2. R1248954 Mortgage to Network Finance Limited. Discharged S735463
3. R1248954 Mortgage affected by R548677 Variation of Mortgage. Cancelled S735463

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE REGISTRAR GENERAL'S OFFICE.

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

(Page 1) Vol.

14093 Fol. 33




(Page )

VOL.


FOL.


SECOND SCHEDULE (continued)

OF PART OF THE PREMISES KNOWN AS "DOUBLE BAY PLAZA", 17-23 CROSS STREET, DOUBLE BAY.

| INSTRUMENT |   | SHOP. | LESSEES   | DATE OF EXPIRY | REGISTERED | Signature of Registrar General  | CANCELLATION |
|------------|---|-------|---|----------------|------------|---|--------------|
| NATURE     | NUMBER                                  |       |   |                |            |   |              |
| Lease      | S76430                                  | No. 5 | to Ronald Joseph Sylvester Lee of Watsons Bay, Business Proprietor and Diana Delores Mullins of Rose Bay, Business Proprietor as tenants in common, together with option of renewal<br>to Arbalest Pty. Limited. Together with an option of renewal.<br>to Emstek Pty. Limited. Together with an option of renewal.<br>to Citicorp Australia Limited. Registered 13-11-1981 | 11-6-1986      | 26-2-1981  |  |              |
| Lease      | S708274                                 | 6.    |   | 30-4-1986.     | 22-9-1981. |   |              |
| Lease      | S708275                                 | 10.   |   | 31-10-1985.    | 22-9-1981. |   |              |
| S735465    | Mortgage to Citicorp Australia Limited. |       |   |                | 22-9-1981. |   |              |

This deed is cancelled as to the whole  
 New certificates of Title have issued on 19-7-1982  
 for lots in Deposited Plan No. 617017 as follows:  
 Lots 199 Vol. 14808 Fol. 112 respectively.  
 vide RPA 55698 consolidation.

  
 REGISTRAR GENERAL



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

\*



**SECOND SCHEDULE (continued)**

**OF PART OF THE PREMISES KNOWN AS**

"DOUBLE BAY PLAZA", 17-23 CROSS STREET, DOUBLE BAY.

17-23 CROSS STREET, DOUBLE BAY.

INSTRUMENT

| NATURE | NUMBER |
|--------|--------|
|--------|--------|

**SHOP:**

## LESSER

DATE OF EXPIRY

**REGISTERED**

Signature of  
Registrar General

**CANCELLATION**

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

# STATE OF TITLE



14808112

NEW SOUTH WALES

PROPERTY ACT, 1900

First Title Old System

Prior Titles Vol. 8495 Fol. 89  
Vol. 11352 Fol. 35  
Vol. 14093 Fols. 32  
and 33



B

Vol. 14808 Fol. 112

EDITION  
ISSUED

**CANCELLED**  
21 2 1985

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

*[Signature]*

Registrar General.



S

## LAND REFERRED TO

Lot 100 in Deposited Plan 617017 at Double Bay in the Municipality of Woollahara Parish of Alexandria County of Cumberland.

## FIRST SCHEDULE

HOWARD CHIA PTY. LIMITED.

## SECOND SCHEDULE

- GRY  
RW(B)  
RW(SB)
1. Reservations and conditions in the Crown Grant.
  2. Book 684 No.212) Right of way affecting the part of the land within described shown in Book 713 No.186) Deposited Plan 617017.
  3. ~~R935997 Lease to Lessee now Majee Pty. Limited by Transfer T248365 of premises being lock up shop No.3 Double Bay Plaza, 17-23 Cross Street, Double Bay, together with rights. Option of renewal 5 years. Expires 31-3-1985. Expired 31-3-1988~~
  4. ~~R981167 Lease to Charles Andrew Burton Fairbairn and Rhonda Patricia Parry as Tenants in Common of premises being lock up shop No.8 Double Bay Plaza, 17-23 Cross Street, Double Bay. Option of renewal 5 years. Expires 31-5-1985. Expired 8-12-1986~~
  5. ~~R981169 Lease to Seymour Grass Pty. Limited of premises being lock up shop No.1, Double Bay Plaza, 17-23 Cross Street, Double Bay. Option of renewal 5 years. Expires 30-6-1985. Expired 14-10-1986~~
  6. ~~S76430 Lease to Ronald Joseph Sylvester Lee and Diana Dolores Mullins as Tenants in Common in Equal Shares of premises being lock up shop No.5, Double Bay Plaza, 17-23 Cross Street, Double Bay. Option of renewal 6 years. Expires 11-6-1986. Expired 8-12-1986~~
  7. ~~S708274 Lease to Arbalest Pty. Limited of premises being lock up shop No.6, Double Bay Plaza, 17-23 Cross Street, Double Bay. Option of renewal 6 years. Expires 30-4-1985. 8-12-1986~~
  8. ~~S980694 Lease to The Sydney County Council of Substation No.5497 as shown in plan with S980694 together with a Right of Way and Easement for Electricity Purposes over another part of the land within described and together with rights. Expires 31-12-2031.~~
  9. ~~T827172 Lease to The Becoming Mother Maternity By Design Pty. Limited of premises being lock up shop No.2 Double Bay Plaza, 19-27 Cross Street, Double Bay together with and reserving rights. Option of renewal 3 years. Expires 15-6-1986. Expired 31-3-1988~~
  10. ~~T879206 Lease to Ronald Resnick of premises being lock up shop No.4, Double Bay Plaza, 17-23, Cross Street, Double Bay. Option of renewal 3 years. Expires 14-4-1986. 8-12-1986~~
  11. ~~T949745 Lease to Susan Hannaford Pty. Limited of premises being lock up shop No.7 Double Bay Plaza, 17-23, Cross Street, Double Bay. Option of renewal 2 years. Expires 14-6-1986.~~
  12. ~~T842534 Lease to Carolyn Taylor Pty. Limited of premises known as Lock-up Shop No.10 Double Bay Plaza, 17-23 Cross Street, Double Bay together with rights. Option of renewal 3 years. Expires 31-5-1986.~~
  13. ~~V407087 Lease to Teddy & Friends Pty. Limited of lock up shop No.9, Double Bay Plaza, 19-27, Cross Street, Double Bay together with and reserving rights. Option of renewal 3 years. Expires 22-7-1987. Expired 31-3-1988~~

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

B



PLAN SHOWING LOCATION OF LAND

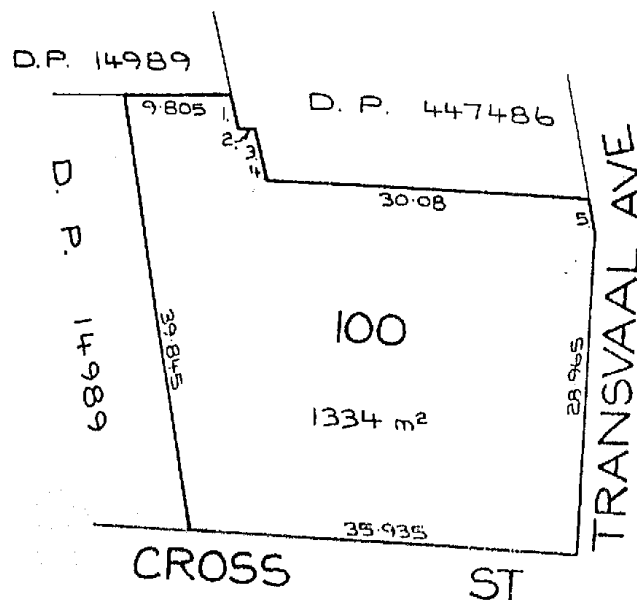
LENGTHS ARE IN METRES

CANCELLED

SEE AUTO FOLIO

REFERENCE

|    |       |
|----|-------|
| 1. | 3.185 |
| 2. | 1.08  |
| 3. | 2.57  |
| 4. | 2.47  |
| 5. | 3.075 |



V407087

36  
 JS

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR

Registrar General

CANCELLED

SEE NOTE 110

SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

~~T027172 Lease V588008 Transfer of Lease to Facade Pty. Limited. Registered 26-3-1985~~



X395719

L W550763 <sup>PTY LIMITED</sup> Lease to Seymour Gross of Lock-up shop NO. 1, Double Bay Plaza, 19-27 Cross Street, Double Bay. Expires 30-6-1988. Option of renewal 3 years. Registered 14-10-1986



L W639805 Lease to Rhonda Patricia Parry of Lock-up Shop No.8, Double Bay Plaza, 19-27 Cross Street, Double Bay. Expires 31-5-1988. Option of renewal 3 years. Registered 8-12-1986.



L W639806 Lease to Ronald Resnick and Prudence Harper as tenants in common of Shop No.4 Double Bay Plaza, 17-23 Cross Street, Double Bay. Expires 14-4-1989. Option of renewal 3 years. Registered 8-12-1986.



L W639807 Lease to Mintpark Pty.Limited of Shops Nos.5, 5A and 6 Double Bay Plaza, 19-27 Cross Street, Double Bay. Expires 28-2-1989. Option of renewal 3 years. Registered 8-12-1986.



L X395718 Lease to Najee Nominees Pty. Limited of premises being lock-up shop Number 3, Double Bay Plaza, 17-23 Cross Street, Double Bay. Expires 31-3-1990. Registered 31-3-1988



L X395719 Lease to Seymour Gross Pty. Limited of premises being lock-up Shop 2, Double Bay Plaza, 19-27 Cross Street, Double Bay. Expires 30-6-1988. With an option of renewal for 3 years. Registered 31-3-1988



L X395720 Lease to Tomoren Pty. Limited of premises being lock-up Shop Number 9, Double Bay Plaza, 19-27 Cross Street, Double Bay. Expires 22-7-1990. With an option of renewal for 3 years. Registered 31-3-1988



L X395721 Lease to Vernon Maurice Jeffries of premises being lock-up Shop No. 7, Double Bay Plaza, 19-27 Cross Street, Double Bay. Expires 14-12-1989. With an option of renewal for 3 years. Registered 31-3-1988



L X395721 Lease X395722 Transfer of Lease to Loubelle Pty. Limited. Registered 31-3-1988



L W639806 Lease X628054 Transfer of Lease to Prudence Harper and Cestan Pty Limited as tenants in common. Registered 30-6-1988.



NOTATIONS AND UNREGISTERED DEALINGS

1588008 7/12  
 (780712)  
 W639805  
 -628  
 -72  
 X395718  
 19  
 23  
 21  
 227  
 X628054 7/12  
 (W639806)

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

B

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR

Registrar General

**CANCELLED**

**SEE AUTO FOLIO**

SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

NOTATIONS AND UNREGISTERED DEALINGS

NEW SOUTH WALES

# CERTIFICATE OF TITLE

TORRENS TITLE  
Register

REAL PROPERTY ACT, 1900

Appln Nos. 24514, 25449, 37979, 38269 &  
55698

Crown Grant Ser. 28 Pge. 1

Prior Titles Vol. 8495 Fol. 89

Vol. 11352 Fol. 35

Vol. 14093 Fols. 32 & 33



Vol. ~~14808~~ **CANCELLED** Fol. ~~112~~  
**See new edition ISSUED**  
19 7 1982

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.

*[Signature]*

Registrar General.



## ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 100 in Deposited Plan 617017 at Double Bay in the Municipality of Woollahra Parish of Alexandria County of Cumberland being part of 457.3 hectares granted to Daniel Cooper and Solomon Levey on 22-3-1830.

## FIRST SCHEDULE

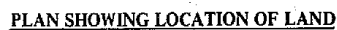
HOWARD CHIA PTY. LIMITED.

## SECOND SCHEDULE

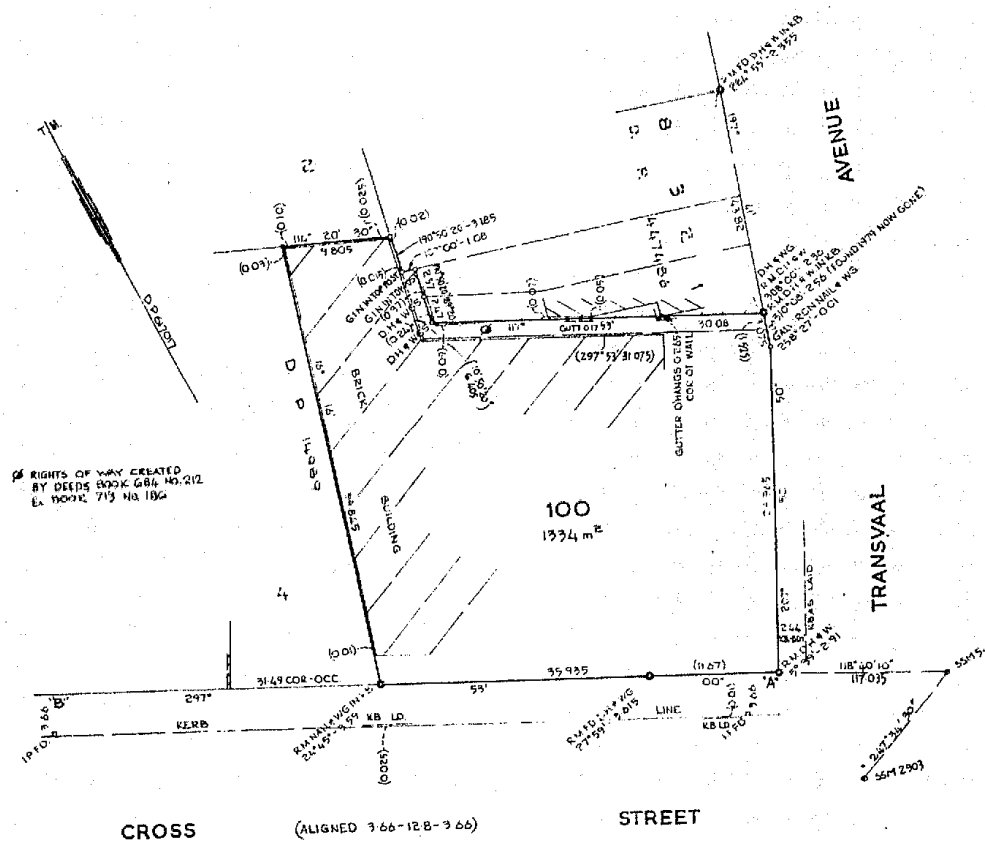
1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Book 684 No. 212) Right of way affecting the part of the land shown so burdened in the Book 713 No. 186) plan hereon.
3. ~~R935995 Lease to Philippe Marie Tartonne and Maryvonne Tartonne as joint tenants of premises being Lock-up Shop No. 2, Double Bay Plaza, 17-23 Cross Street, Double Bay with option of renewal together with and reserving rights. Expires 28-2-1983~~ **T406706**  
**T406707 Surrendered**
4. ~~R935997 Lease to V.A. Clothing Co. Pty. Limited of premises being Lock-up Shop No. 3 Double Bay Plaza, 17-23 Cross Street, Double Bay with option of renewal together with and reserving rights. Expires 31-3-1985. Expired 9-2-1984~~
5. ~~R935999 Lease to Fana Pty. Limited of premises being Lock-up Shop No. 9 Double Bay Plaza 17-23 Cross Street, Double Bay with option of renewal together with and reserving rights. Expires 5-2-1983. Expired 9-2-1984~~
6. ~~R981165 Lease to Carylyn Elaine Taylor of premises being lock-up Shop No. 7 Double Bay Plaza, 17-23 Cross Street, Double Bay, together with option of renewal. Expires 31-3-1983. 9-2-1984~~
7. ~~R981167 Lease to Charles Andrew Burton Fairbairn and Rhonda Patricia Parry as tenants in common of premises being Lock-up Shop No. 8, Double Bay Plaza, 17-23 Cross Street, Double Bay, together with option of renewal. Expires 31-5-1985.~~
8. ~~R981169 Lease to Seymour Gross Pty. Limited of premises being Lock-up Shop No. 1, Double Bay Plaza 17-23 Cross Street, Double Bay together with option of renewal. Expires 30-6-1985.~~
9. ~~S76430 Lease to Ronald Joseph Sylvester Lee in 1/2 share and Diana Delores Mullins in 1/2 share as tenants in common of premises being Lock-up Shop No. 5 Double Bay Plaza, 17-23 Cross Street, Double Bay together with option of renewal. Expires 11-6-1986.~~
10. ~~S708274 Lease to Arbalest Pty. Limited of premises being Lock-up Shop No. 6 Double Bay Plaza 17-23 Cross Street, Double Bay together with option of renewal. Expires 30-4-1986.~~
11. ~~S708275 Lease to Enstek Pty. Limited of premises being Lock-up Shop No. 10 Double Bay Plaza, 17-23 Cross Street, Double Bay together with option of renewal. Expires 31-10-1985.~~ **T957698**
12. ~~Book 3482 No. 144 Mortgage to Citicorp Australia Limited affecting the part comprised in Book 3482 No. 143. Discharged T340973.~~
13. ~~S735465 Mortgage to Citicorp Australia Limited affecting the part formerly comprised in Certificate of Title Volume 8495 Folio 89, Volume 11352 Folio 35, Volume 14093 Fols. 32 and 33. Discharged T340973.~~
14. ~~S980694 Lease to The Sydney County council of Substation Premises No. 5407 as shown in Plan with S980694, together with a Right of Way and Easement for Electricity Purposes over another part of the land within described and together with rights. Expires 31-12-2031~~ **1982M7**
4. ~~R935997 Lease to V.A. Clothing Co. Pty. Limited of premises being Lock-up Shop No. 3 Double Bay Plaza, 17-23 Cross Street, Double Bay with option of renewal together with and reserving rights. Expires 31-3-1985.~~ **Reg. Gen. 1-3-1983**
15. ~~R935997 Lease. Lessee; Najee Nominees Pty. Limited by Transfer T248365. Registered 5-10-1982~~

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE REGISTRAR GENERAL'S OFFICE.





LENGTHS ARE IN METRES



**Registrar General**

Vide V407087



## CANCELLATION

~~9-2-1984~~

T827171

v407086

V407087 Lease to Teddy & Friends Pty. Limited of Lock-up Shop Number 9, Double Bay Plaza, 19-27 Cross Street, Double Bay, with option of renewal for 3 years together with and reserving rights. Expires 22.7.1987 Registered 1-11-1984

T 24836575/LP  
 T 340973 of m/r  
 T 406706 R  
 848 38(A)  
 - 7070L  
 - 708 L  
 of premises  
 C. 25, 25, 10, 83  
 T 827171 Sup/L  
 - 726-  
 T 84253475-  
 Shop 10  
 T 862820 100 R  
 Shop 9  
 T 878200 100 R  
 (Shop 11)  
 T 949745 100 Shop 10  
 T 957698 2L R  
 V 070865L  
 V - 87L

2/66B

| FIRST SCHEDULE (continued) |                   |
|----------------------------|-------------------|
| REGISTERED PROPRIETOR      | Registrar General |
|                            |                   |

| SECOND SCHEDULE (continued) |                   |              |
|-----------------------------|-------------------|--------------|
| PARTICULARS                 | Registrar General | CANCELLATION |
|                             |                   |              |

| NOTATIONS AND UNREGISTERED DEALINGS |  |  |
|-------------------------------------|--|--|
| 6-11-2018                           |  |  |

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



D.P.617017

C.A. : \_\_\_\_\_

Purpose: P.A. 5569B &amp; CONSOLIDAT

Last Pin: D.P.s 75449, 87979  
00260, 14989 #

CT.VOL.3846 PDL.04, THE LAND IN U.F.C.  
BEING THE WHOLE OF THE LAND IN C

WIDH BEING PART OF COOPER &  
LEVEL'S 1130 ACRES GRANT

Copy

Paris: ALEXANDRIA

This sheet of my plan: \_\_\_\_\_  
 (Delete if inapplicable).

a surveyor registered under the Surveyors Act  
amended, hereby certify that the survey represents

25/1/79 £ 13/11/80

Based for use only for statements of income

---

1

---

---

---

---

---

SURVEYOR'S REFERENCE: 10599

**WARNING: CREASING**

10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

100

105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

16/3/2018 3:01PM

FOLIO: 100/617017

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 14808 FOL 112

| Recorded   | Number  | Type of Instrument          | C.T. Issue                        |
|------------|---------|-----------------------------|-----------------------------------|
| 28/3/1988  |         | TITLE AUTOMATION PROJECT    | LOT RECORDED<br>FOLIO NOT CREATED |
| 20/10/1988 |         | CONVERTED TO COMPUTER FOLIO | FOLIO CREATED<br>CT NOT ISSUED    |
| 2/5/1990   | Y956649 | LEASE                       |                                   |
| 2/5/1990   | Y967937 | LEASE                       | EDITION 1                         |
| 15/9/1992  | E760053 | MORTGAGE                    | EDITION 2                         |
| 17/11/1993 | I803322 | LEASE                       |                                   |
| 17/11/1993 | I803323 | LEASE                       |                                   |
| 17/11/1993 | I803324 | LEASE                       |                                   |
| 17/11/1993 | I803325 | LEASE                       |                                   |
| 17/11/1993 | I803326 | LEASE                       | EDITION 3                         |
| 18/11/1993 | I803327 | LEASE                       | EDITION 4                         |
| 13/11/1995 | O682716 | LEASE                       |                                   |
| 13/11/1995 | O682717 | SURRENDER OF LEASE          |                                   |
| 13/11/1995 | O682718 | LEASE                       |                                   |
| 13/11/1995 | O682719 | LEASE                       |                                   |
| 13/11/1995 | O682720 | REQUEST                     | EDITION 5                         |
| 14/11/1995 | O682721 | LEASE                       |                                   |
| 14/11/1995 | O682722 | LEASE                       |                                   |
| 14/11/1995 | O682723 | LEASE                       |                                   |
| 14/11/1995 | O682724 | LEASE                       | EDITION 6                         |
| 13/2/1997  | 2832873 | SURRENDER OF LEASE          |                                   |
| 13/2/1997  | 2832874 | DISCHARGE OF MORTGAGE       |                                   |
| 13/2/1997  | 2832875 | TRANSFER                    |                                   |
| 13/2/1997  | 2832876 | MORTGAGE                    | EDITION 7                         |
| 19/11/1997 | 3594120 | LEASE                       | EDITION 8                         |
| 4/12/1997  | 3639634 | LEASE                       | EDITION 9                         |
| 16/4/1998  | 3920930 | LEASE                       |                                   |

END OF PAGE 1 - CONTINUED OVER

advlegs

PRINTED ON 16/3/2018



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

16/3/2018 3:01PM

FOLIO: 100/617017

PAGE 2

| Recorded<br>----- | Number<br>----- | Type of Instrument<br>----- | C.T. Issue<br>----- |
|-------------------|-----------------|-----------------------------|---------------------|
| 16/4/1998         | 3920931         | LEASE                       | EDITION 10          |
| 3/7/1998          | 5102115         | LEASE                       |                     |
| 3/7/1998          | 5102116         | LEASE                       | EDITION 11          |
| 21/12/1999        | 6444100         | LEASE                       | EDITION 12          |
| 20/3/2000         | 6652829         | LEASE                       | EDITION 13          |
| 18/5/2000         | 6790699         | LEASE                       |                     |
| 18/5/2000         | 6790700         | LEASE                       | EDITION 14          |
| 11/9/2000         | 7082767         | LEASE                       | EDITION 15          |
| 20/11/2000        | 7228778         | LEASE                       | EDITION 16          |
| 29/5/2001         | 7497762         | REJECTED - LEASE            |                     |
| 13/6/2001         | 7529053         | LEASE                       | EDITION 17          |
| 5/7/2001          | 7743252         | LEASE                       | EDITION 18          |
| 10/9/2001         | 7928462         | LEASE                       | EDITION 19          |
| 21/9/2001         | 7963955         | DEPARTMENTAL DEALING        | EDITION 20          |
| 19/11/2002        | 9135015         | REQUEST                     |                     |
| 19/11/2002        | 9007468         | LEASE                       |                     |
| 19/11/2002        | 9007469         | LEASE                       |                     |
| 19/11/2002        | 9007470         | LEASE                       | EDITION 21          |
| 22/8/2003         | 9905788         | LEASE                       | EDITION 22          |
| 17/11/2003        | AA165645        | LEASE                       | EDITION 23          |
| 3/2/2004          | AA381375        | LEASE                       | EDITION 24          |
| 3/3/2004          | AA389299        | LEASE                       | EDITION 25          |
| 3/4/2004          | AA544238        | LEASE                       | EDITION 26          |
| 7/9/2004          | AA935335        | LEASE                       | EDITION 27          |

END OF PAGE 2 - CONTINUED OVER

advlegs

PRINTED ON 16/3/2018

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

16/3/2018 3:01PM

FOLIO: 100/617017

PAGE 3

| Recorded<br>----- | Number<br>----- | Type of Instrument<br>----- | C.T. Issue<br>----- |
|-------------------|-----------------|-----------------------------|---------------------|
| 19/11/2004        | AB106581        | LEASE                       | EDITION 28          |
| 26/5/2005         | AB506335        | LEASE                       | EDITION 29          |
| 4/8/2005          | AB674430        | DISCHARGE OF MORTGAGE       |                     |
| 4/8/2005          | AB674432        | MORTGAGE                    | EDITION 30          |
| 7/12/2005         | AB948760        | REQUEST                     |                     |
| 7/12/2005         | AB820143        | LEASE                       | EDITION 31          |
| 16/9/2006         | AC603662        | LEASE                       | EDITION 32          |
| 4/12/2006         | AC784101        | REQUEST                     |                     |
| 4/12/2006         | AC784102        | LEASE                       | EDITION 33          |
| 5/4/2007          | AD39141         | LEASE                       | EDITION 34          |
| 30/7/2007         | AD151919        | SURRENDER OF LEASE          |                     |
| 30/7/2007         | AD306761        | LEASE                       | EDITION 35          |
| 26/2/2008         | AD561284        | REQUEST                     |                     |
| 26/2/2008         | AD515359        | LEASE                       |                     |
| 26/2/2008         | AD529360        | LEASE                       | EDITION 36          |
| 3/10/2008         | AE36736         | TRANSFER OF LEASE           |                     |
| 24/8/2009         | AE924834        | TRANSFER OF LEASE           |                     |
| 3/3/2010          | AF335089        | LEASE                       |                     |
| 3/3/2010          | AF335090        | LEASE                       | EDITION 37          |
| 6/5/2010          | AF474859        | LEASE                       | EDITION 38          |
| 11/4/2011         | AG170492        | LEASE                       | EDITION 39          |
| 5/5/2011          | AG214888        | LEASE                       | EDITION 40          |
| 14/2/2012         | AG802029        | LEASE                       | EDITION 41          |
| 27/6/2012         | AH26044         | LEASE                       | EDITION 42          |
| 23/10/2012        | AH316247        | LEASE                       | EDITION 43          |

END OF PAGE 3 - CONTINUED OVER

advlegs

PRINTED ON 16/3/2018

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

16/3/2018 3:01PM

FOLIO: 100/617017

PAGE 4

| Recorded<br>----- | Number<br>----- | Type of Instrument<br>----- | C.T. Issue<br>----- |
|-------------------|-----------------|-----------------------------|---------------------|
| 16/12/2014        | AJ63897         | LEASE                       | EDITION 44          |
| 23/5/2016         | AK450070        | LEASE                       | EDITION 45          |
| 7/2/2017          | AM140987        | LEASE                       | EDITION 46          |
| 25/2/2017         | AM185619        | LEASE                       | EDITION 47          |
| 28/2/2017         | AK971351        | LEASE                       |                     |
| 28/2/2017         | AK971352        | SUB-LEASE                   |                     |
| 28/2/2017         | AK971502        | MORTGAGE OF LEASE           |                     |
| 28/2/2017         | AK971571        | CHANGE OF NAME              |                     |
| 28/2/2017         | AM54174         | DEPARTMENTAL DEALING        |                     |

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

advlegs

PRINTED ON 16/3/2018

Obtained from NSW LRS on 16 March 2018 02:01 PM AEST

© Office of the Registrar-General 2018

New South Wales.

APPLICATION TO BRING LANDS UNDER THE PROVISIONS  
REAL PROPERTY ACT, 1900.

FEE SIMPLE.



This form may be modified to suit the case of a leasehold title.

## FEE.

Assurance  
Certificate  
Advertising  
Office Copy  
Plan

Applicants are reminded that by virtue of the provisions of the Crimes Act, 1900, the penalties of perjury are applicable to any declaration concerning any matter or procedure under the Act, and that the utmost care is therefore necessary in framing the same.

If the form be filled up by an Attorney every particular statement herein.

It is further provided by Section 126 of the Real Property Act, 1900, that any applicant procuring a Certificate through any fraud, error, omission, misrepresentation, or misdescription will, notwithstanding the issue of such Certificate, remain liable for the same as if the same had been fraudulently procured, and any person who fraudulently procures, assists in fraudulently procuring, or is privy to the fraudulently procuring of any Certificate of title, is declared guilty of a misdemeanor, and liable to a penalty not exceeding £500, or imprisonment for six months, or both; and any Certificate thereby procured is rendered void as between all parties or parties to the fraud.

FRANK NELSON YOUNG of Sydney Company Manager

I do solemnly and sincerely declare, that I seized for an Estate in fee simple of

**ALL THAT** piece or parcel of land situate in Cross Street Double Bay near Sydney in the Municipality of Woollahra Parish of Alexandria County of Cumberland more particularly described and shewn in Mr. Licensed Surveyor C.J.L. West's Plan dated the 17th day of July 1922 now produced to me and numbered 50 in the Schedule hereto.

which land (including all improvements) is of the value of Three thousand five hundred pounds and no more, and is a part of 1130 acres originally granted to Daniel Cooper and Solomon Levey by Crown grant, under the hand of the Governor of the Colony, dated the Twenty second day of March 1830.

And I further declare, that I verily believe there does not exist any lease or agreement for lease of the said land, for any term exceeding a tenancy for one year, or from year to year, ~~(except as follows)~~.

Also, that there does not exist any mortgage, lien, writ of execution, charge or encumbrance, will or settlement, or any deed or contract, or dealing (other than such lease or tenancy as aforesaid), giving any right, claim, or interest in or to the said land, or any part thereof, to any other person than myself ~~(except as follows)~~.

I Equitable Charge from me to the Bank of New South Wales dated 16th June 1922 to secure advances

I further declare, that there is no person in possession or occupation of the said land or any part thereof adversely to my Estate or Interest therein, and that the said land is now in my occupation in the occupation of A. T. Pittar as a six-monthly tenant.

and that the owners and occupiers of adjacent lands are as follows :-

| State whether on North, South, East, or West. | Name   | State whether owner or occupier. | Address.   |
|---|--|----------------------------------|--|
| East  | J. P. Paton ✓                                | Owner                            | 202 Military Road, Mosman.                             |
|   | J. T. Witcombe ✓                             | Occupier                         | Cross Street Double Bay                                |
|   | Trustees of Will of late Sir Daniel Cooper ✓ | Owner and Occupiers              | C/o Raine & Horne, 70 Pitt St. Sydney.                 |
|   | John Lucas ✓                                 | Owner                            | No. 1 Flat, The Crescent, Hampden Avenue Darling Point |
|   | F. Barrell ✓                                 | Occupier                         | Transvaal Avenue, Double Bay.                          |
| North   | Trustees of the Will of late Sir D. Cooper ✓ | Vacant                           | C/o Raine & Horne, 70 Pitt St. Sydney.                 |
|   | Mrs. E. Robinson ✓                           | Owner                            | Beach Street, Woollahra.                               |
|   | Mrs. A. Nash ✓                               | Occupier                         | William Street, Double Bay.                            |
|   | Mrs. Doyle ✓                                 | Owner                            | C/o C. Walker, 67 Castlereagh St. Sydney               |
|   | G.G. Blaxland ✓                              | Occupier                         | "Carlton" William Street, Double Bay.                  |
|   | Miss Sarah Ahern ✓                           | Owner and Occupier               | "Pine Cottage" William St., Double Bay.                |
|   | Miss A.E. Cropper ✓                          | Owner                            | C/o Piercy Ethel & Co. 163 Pitt Street. Sydney.        |
|   | Mrs. J. Camo ✓                               | Occupier                         | William Street, Double Bay.                            |
| West  | Thomas J. Lee ✓                              | Owner and Occupier               | William Street, Double Bay.                            |
|   | Trustees of the Will of late Sir D. Cooper ✓ | Owners                           | C/o Messrs. Raine & Horne, 70 Pitt Street, Sydney.     |
|   | G. Goddard ✓                                 | Occupier                         | Cross Street, Double Bay.                              |

Handwritten note: New bank issued Vol 3675 fol 49

8300 R

And I further declare, that the annexed Schedule, to which my signature is affixed, and which is to be taken as part of this Declaration, contains a full and correct list of all settlements, deeds, documents, or instruments, maps, plans and papers relating to the land comprised in this application, so far as I have any means of ascertaining the same, distinguishing such as being in my possession or under my control, are herewith lodged and indicating where or with whom, so far as known to me, any others thereof are deposited; Also, that there does not exist any fact or circumstance whatever material to the title, which is not hereby fully and fairly disclosed to the utmost extent of my knowledge, information, and belief; and that there is not, to my knowledge and belief, any action or suit pending affecting the said land, nor any person who has or claims any estate, right, title or interest therein, or in any part thereof, otherwise than by virtue and to the extent of some lease or tenancy hereby fully disclosed [except as follows:—]

If any exception, state particulars; if none, strike out the words within brackets.

And I make this solemn Declaration, conscientiously believing the same to be true.

DATED at Sydney

this 22<sup>nd</sup> day of August

1922

(RULE UP ALL BLANKS BEFORE SIGNING.)

Made and subscribed by the abovenamed

FRANK NELSON YOUNG

this 22<sup>nd</sup> day of August 1922.

in the presence of

Signature of Applicant

Frank Nelson Young

The declaration must be attested by the Registrar General or Deputy, or by a Notary Public, or by a Justice of the Peace, or Commissioner for Affidavits. If the signature be by mark, the attestation must state that it was read over to the declarant, and that he appeared fully to understand the contents. This applies also to the subjoined direction, particularly if a different person be nominated to receive certificate.

To the Registrar General,—

I, Frank Nelson Young

the above declarant, do hereby apply to have the land described in the

above declaration brought under the provisions of the Real Property Act, and request you to issue the Certificate of Title in the name of myself.

DATED at Sydney

this 22<sup>nd</sup> day of August

1922

Witness to Signature

George Maiden J.P.

(Signature of Applicant)

Frank Nelson Young

\*N.B.—The Schedule below and Certificate indorsed on fourth page should be also signed.

In no case can any alterations, however trifling, be allowed to be made after the application has been once declared, unless all the parties re-sign and re-declare the same. If it is discovered that any alterations are necessary, the applicant may make a statutory declaration setting out in what manner he desires the application to be altered, which declaration will then (unless the Registrar General considers that a fresh application ought to be made) be read as one with the application.

(RULE UP ALL BLANKS BEFORE SIGNING.)

### SCHEDULE REFERRED TO.

(TO BE SIGNED BY APPLICANT IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

To include not only Title Deeds, &c., but also Plan, if any, and Surveyor's Declaration verifying same.

#### AS TO THE FREEHOLD.

\*For the particulars which this Schedule must comprise, see concluding part of Declaration, to which particular attention is directed, as any omission or misstatement will render applicant liable to the penalties of false Declaration. Each of the Deeds and Documents as are in applicant's possession or control must be deposited with the application. Counterpart leaves must be included, but these will be returned, if required.

After issue of the Certificate of Title, should delivery be desired of any of the documents to which the person lodging them is entitled, attested copies of such documents may be required. This does not apply to partially cancelled registered documents.

1. 22 March 1830. Crown Grant of 1130 acres to D. Cooper and S. Levey Registered No. 21 Page. 1.
2. 25 August 1834. Exemplification of Probate of Will of S. Levey
3. 29 December 1843. Lease and Release R. Brook and J. Gore 1st part J. Levey 2nd part D. Cooper 3rd part J. Holt and D. Cooper then the Younger 4th part Registered No. 509 Book 7.
4. 11 January 1844. Release D. Cooper and Ellen his wife one part J. Holt and D. Cooper the Younger other part Registered No. 510 Book 7
5. 14 May 1847. Indenture J. Holt and D. Cooper the Younger 1st part D. Cooper 2nd part and T. Denby 3rd part Registered No. 706 Book 13.
6. 14 May 1847. Release J. Levey 1st part J. Holt and D. Cooper the Younger 2nd part D. Cooper 3rd part T. Denby 4th part Registered No. 703 Book 13.
7. 9 May 1854. Probate of an exemplified copy of the Will of Daniel Cooper
8. 20 November 1854. Appointment of New Trustees J. Cooper and D. Cooper 1st part T. Buckland 2nd part G. Phillips 3rd part

Should any transaction affecting the land in this application be entered into subsequent to the date of the application, but prior to the issue of the Certificate of Title, the Registrar General should be informed immediately, and all documents evidencing such transaction should be lodged.



5 10 22 A

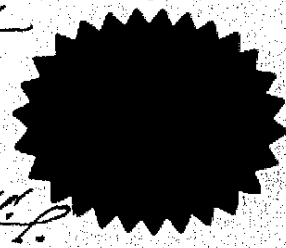
IN THE MATTER of an Equitable Charge  
from Frank Nelson Young to the Bank  
of New South Wales dated the 16th  
June 1922.  
AND IN THE MATTER of an Application  
to the Registrar General Sydney by  
the said Frank Nelson Young.

BANK OF NEW SOUTH WALES being the Mortgagee of ALL THAT piece or  
parcel of land situate in Cross Street Double Bay near Sydney in the  
municipality of Woollahra Parish of Alexandria and County of Gumber-  
land owned by Frank Nelson Young of Sydney Company Manager by virtue  
of Equitable Charge from the said Frank Nelson Young to the Bank  
bearing date the sixteenth day of June One thousand nine hundred and  
twenty-two and which said piece or parcel of land is described and  
comprised in application to the Registrar General Sydney by the said  
Frank Nelson Young bearing date the twenty-second day of August one  
thousand nine hundred and twenty-two made and declared by the said  
Frank Nelson Young to bring the said piece of parcel of land under  
the provisions of the Real Property Act 1900 DOETH HEREBY consent to  
the said Application and to the issue of a Certificate of Title  
under the provisions of the Real Property Act 1900 for the land des-  
cribed and comprised therein in the name of the said Frank Nelson  
Young subject and without prejudice however to the security of the  
said Bank and subject to a substituted mortgage under the Real Proper-  
ty Act in lieu of the existing mortgage being given to the said Bank  
in such form as the said Bank may require.

DATED at Sydney this twenty-ninth day of September 1922.

The Common Seal of the BANK  
OF NEW SOUTH WALES was here-  
unto duly affixed at a Board  
of Directors of the said Bank  
by the authority of the Dir-  
ectors whose signatures are  
set opposite thereto in the  
presence of

*John Buchanan*  
*W. Buchanan*  
*A. A. Anderson* *R. W. Anderson*



18088



**SCHEDULE REFERRED TO—(continued)\***

(TO BE SIGNED BY APPLICANT, IF UTILISED, IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

- \* See marginal notes under asterisk on page 2.
- AS TO THE LEASEHOLD.**
9. 20 November 1854. Indenture (endorsed on last Indenture) G. Phillips one part and D. Cooper and T. Buckland other part Registered No. 345 Book 38.
10. 1 September 1857. Lease Daniel Cooper and Thomas Buckland of the one part and John Gray of the other part Registered No. 204 Book 862.
11. 9 May 1884. Office copy of Will of John Grey.
12. 7 July 1887. Office copy of Will of Hester Heath Gray.
13. 12 July 1895. Office copy of Will of Mary Ann Stokes.
14. 1 April 1887. Office copy of Will of Sarah Burnell.
15. 13 December 1899. Appointment of New Trustee made between T.C. Barker of the first part W.A. Stokes of the second part T.J. Stokes and others of the third part Registered No. 795 Book 667.
16. 6 July 1908. Declaration of Trust under the hand and seal of Thomas Charles Barker Registered No. 908 Book 860.
17. 20 July 1908. Assignment made between Thomas Charles Barker of the first part W.A. Stokes, T.C. Burnell, G.H. Leibius the said T.C. Barker and W.A. Stokes and K.H. Barker of the second part and John Lucas of the third part Registered No. 625 Book 862.
18. 27 August 1908. Mortgage John Lucas of the first part C.W. Wren of the second part and The English Scottish and Australian Bank Limited of the third part Registered No. 411 Book 863.
19. 29 November 1910. Statutory Discharge endorsed Registered No. 676 Book 922.
20. 1 September 1857. Lease (counterpart) D. Cooper and Thos. Buckland to John Gray No. 204 Book 862.
21. 16 March 1881. Conveyance D. Cooper to Sir D. Cooper No. 258 Book 219.
22. 13 August 1882. Conveyance Sir D. Cooper to D. Cooper No. 968 Book 255.
23. 13 February 1883. Covenant to Produce Sir D. Cooper and T. Buckland to D. Cooper
24. 20 September 1887. Statutory Declaration of Thos. Buckland.
25. 7 January 1891. Statutory Declaration of Thos. Buckland.
26. 10 July 1886. Mortgage D. Cooper to Sir D. Cooper and others No. 95 Book 366
27. 4 June 1909. Discharge (endorsed) Registered No. 856 Book 902.
28. 5 March 1901. Statutory Declaration of G.G. Soote.
29. 30 October 1902. Statutory Declaration of L.J. Maton.
30. 25 October 1909. Probate of Exemplified copy of Will of Sir D. Cooper.
31. 1 February 1910. Resealing of Exemplified copy of Will of Sir D. Cooper.
32. 28 June 1911. Deed of Appointment A.M. Merewether and others to R. Cooper and others.
33. 8 December 1909. Power of Attorney H. Cooper and others to T.R. Raine and Anor. No. 757 Book 899.
34. 20 June 1912. Conveyance H. Cooper and others to John Lucas Registered No. 851 Book 963.
35. 29 June 1912. Mortgage John Lucas of first part T.A. Dibbs of second part and The Commercial Banking Company of Sydney Limited of the third part Registered No. 957 Book 1112.
36. 26 October 1919. Statutory Discharge endorsed Registered No. 117 Book 1117.
37. 11 September 1917. Lease The Commercial Banking Company of Sydney Limited first part John Lucas of the second part and Frank Nelson Young of the third part Registered No. 522 Book 1115.
38. 7 April 1921. Mortgage John Lucas of the one part and The Perpetual Trustee Company (Limited) of the other part Registered No. 215 Book 1219.
39. 29 May 1922. Discharge endorsed Registered No. 63 Book 1263.
40. 6 June 1922. Conveyance J. Lucas to F.N. Young No. 64 Book 1263.
41. 17 February 1894. Attested copy Declaration of A.J. Burnell.
42. 7 March 1894. Attested copy Declaration of S. Burnell.
43. 1 May 1894. Attested copy Declaration of K. H. Barker.
44. 23 February 1895. Attested copy Declaration of M. A. Stokes.
45. 1 June 1922. Statutory Declaration of G. H. Leibius.
46. 30 May 1922. Acknowledgment by W.A. Stokes of receipt of proportion of purchase money sale to John Lucas.
47. 30 May 1922. Acknowledgment T.C. Barker and W.A. Stokes of receipt of proportion of purchase money sale to John Lucas.
48. 6 June 1922. Acknowledgment by T.C. Burnell and G.H. Leibius of receipt of proportion of purchase money sale to John Lucas.
49. 6 June 1922. Equitable Charge F.N. Young to The Bank of New South Wales to secure advances.
50. 17 July 1922. Surveyor's Plan and Declaration by Mr. Licensed Surveyor C. J. L. West.

**MEMORANDA.**

Numbers 1 to 7 inclusive 21, 22, 23 and 25 were considered in Primary Application No. 11331.  
Numbers 8 and 9 were considered in Primary Application No. 14397.  
Number 24 was considered in Primary Application No. 12116.  
Numbers 26 and 27 were lodged and considered in Primary Application No. 16859.  
Numbers 28 and 29 were lodged and considered in Primary Application No. 19534 and No. 15963.

51. 14/6/22. Equitable Mortgage to F.N. Young to Bank of N.S.W.  
See indorsement overleaf.

An Office copy of Number 30 was lodged with T. A. No. 23474.  
Number 31 was lodged and considered in T. A. 23474.  
Number 32 was lodged and considered in and an attested copy filed with R. P. A. No. 21385.  
An attested copy of Number 33 is filed at the Land Titles Office No. 7429.  
Numbers 10 17 18 19 and 20 and Numbers 34 to 49 inclusive are in the possession of and will be lodged by the Bank of New South Wales.  
Numbers 15 and 16 and also the originals of Numbers 41 to 44 inclusive are in the possession of and will be lodged by Messrs. Leibius & Way, Solicitors, Sydney.  
Numbers 11 13 14 inclusive and Number 50 are lodged herewith.  
Number 12 is lodged with T. A. No. 15540.

*Recd Docs box 61. pt. 1. 1/11/18 Smith per H. Nichol 28/8/18*

I certify that the within application is correct for the purposes of the Real Property Act, 1900.

Section 117 requires that this Certificate be signed by Applicant or his Solicitor and contains the following provisions:—  
"And that I am the Solicitor of the within named Applicant," and should add his own address to his signature. The signature should be that of the Solicitor himself, and not of his firm.

*Frank Young*

(RULE UP ALL BLANKS BEFORE SIGNING, EXCEPT SPACE IN SCHEDULE BELOW APPLICANT'S SIGNATURE.)

### F E E S .

#### PAYMENT OF THESE MUST ACCOMPANY THE APPLICATION.

1st.—Where the Applicant is the Original Grantee from the Crown, and no transactions have been registered.

|  |        |
|--|--------|
| New Certificate ... ..                               | £1 0 0 |
| Add Assurance, 1d. in the £ on declared value ... .. |        |
| Office Copy of Plan ... ..                           | 0 5 0  |

2nd.—Where the Applicant is not the Grantee from the Crown, or being the Grantee, the property has been dealt with by any Registered Instrument.

|                            |         |
|----------------------------|---------|
| F E E S :—                 |         |
| Advertisement ... ..       | £1 10 0 |
| New Certificate ... ..     | 1 0 0   |
| Office Copy of Plan ... .. | 0 5 0   |
| TOTAL ... ..               | £3 15 0 |

In addition to the Assurance Fee of 1d. in the £ on the value.

State to whom all correspondence relating to this Application should be sent, with address, as under, viz.:—

Name

Occupation

Post Town



New South Wales.

**FREE SIMPLE.**

old title, *Guerra 1-00* S. d.

Assurance ... 1:13:4  
Certificate ... 1:15:1

Advertising 1:10:0  
Online Copy 2:46

Circle Copy  
Plan



NEW SOUTH WALES  
COAT OF ARMS  
POUNCE



do solemnly and sincerely declare, that: I am seized for an Estate in fee simple of 'ALL THAT piece of

which land (including all improvements) is of the value of eight hundred pounds  
and no more, and is <sup>part</sup> of one thousand one hundred and thirty acres originally granted  
to Daniel Cooper and Solomon Lowrey by Crown grant, under the hand of the Governor of the Colony, dated the  
twenty second day of March 1830

And I further declare, that I verily believe there does not exist any lease or agreement for lease of the said land, for any term exceeding a tenancy for one year, or from year to year, [~~except as follows~~] \*

Also, that there does not exist any mortgage, lien, writ of execution, charge or encumbrance, will or settlement, or any deed or writing contract, or dealing (other than such lease or tenancy as aforesaid), giving any right, claim, or interest in or to the said land, or any part thereof, to any other person than myself ~~except as follows:~~ 1

Insert "unoccupied," or "in the occupation of" and I further declare, that there is no person in possession or occupation of the said land or any part thereof adversely to my Estate or willful name and address of tenants in full, if not under some lease or tenancy. Interest therein, and that the said land is now occupied

by Walter C. Parkhurst as my proxy to transact

and that the owners and occupiers of adjacent lands are as follows " :-

| State whether<br>on North,<br>South, East,<br>or West. | Name.                       | State whether<br>owner or occupier. | Address.   |
|--|-----------------------------|-------------------------------------|--|
| East   | Archibald Tulloch           | Owner and<br>occupier               | Cross Street Double Bay  |
| West   | J. H. Young<br>A. J. Pittas | Owner<br>Tenant                     | 3 Port Street Sydney (This property lately<br>brought under the Act)<br>Cross Street |
| North  | none                        |                                     |  |
| South  | none                        |                                     |  |

See page 18

List of titles issued  
Vol. 3846 Fol. 64

best of title issued  
Vol. 3846 Fol. 64

*AND* And I further declare, that the annexed Schedule, to which <sup>my</sup> signature is affixed, and which is to be taken as part of this Declaration contains a full and correct list of all settlements, deeds, documents, or instruments, maps, plans and papers relating to the land comprised in this application, so far as I have any means of ascertaining the same, distinguishing such as being in <sup>my</sup> possession or under <sup>my</sup> control, are herewith lodged and indicating where or with whom, so far as known to <sup>me</sup> any others thereof are deposited; Also, that there does not exist any fact or circumstance whatever material to the title, which is not hereby fully and fairly disclosed to the utmost extent of <sup>my</sup> knowledge, information, and belief; and that there is not, to <sup>my</sup> knowledge and belief, any action or suit pending affecting the said land, nor any person who has or claims any estate, right, title or interest therein, or in any part thereof, otherwise than by virtue and to the extent of some lease or tenancy hereby fully disclosed [except as follows :-]

p If any exception, state particulars: If none, strike out the words within brackets.

*AND* And I make this solemn Declaration, conscientiously believing the same to be true.  
DATED at **Sydney** this *Twenty sixth* day of **October** 1923

(RULE UP ALL BLANKS BEFORE SIGNING.)

Made and subscribed by the abovenamed

this *Twenty sixth* day of **October** 1923  
in the presence of

Signature of  
Applicant

7 The declaration must be attested by the Registrar-General or Deputy, or by a Notary Public, or by a Justice of the Peace, or Commissioner for Affidavits.  
If the signature be by mark, the attestation must state that it was read over to the declarant, and that he appeared fully to understand the contents. This applies also to the subjoined declaration, particularly if a different person be nominated to receive certificate.

*W. J. Dobson*  
*Commissioner for affidavits*

To the Registrar General, \_\_\_\_\_

*AND* I **James Patrick Paton** the above declarant, do hereby apply to have the land described in the above declaration brought under the provisions of the Real Property Act, and request you to issue the Certificate of Title in the name of **Myself**

DATED at **Sydney** this *Twenty sixth* day of **October** 1923

Witness to Signature—

*W. J. Dobson*  
*Solicitor*

(Signature of Applicant)

\* N.B.—The Schedule below and Certificate indorsed on fourth page should be also signed.

In no case can any alterations, however trifling, be allowed to be made after the application has been once declared, unless all the parties re-sign and re-declare the same. If it is discovered that any alterations are necessary, the applicant may make a statutory declaration setting out in what manner he desires the application to be altered, which declaration will then (unless the Registrar General considers that a fresh application ought to be made) be read as one with the application.

(RULE UP ALL BLANKS BEFORE SIGNING.)

### SCHEDULE REFERRED TO.\*

(TO BE SIGNED BY APPLICANT IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

To include not only Title Deeds, &c., but also Plan, if any, and Surveyor's Declaration verifying same.

\* For the particulars which this Schedule must comprise, see concluding part of Declaration, to which particular attention is directed, as any omission or misstatement will render applicant liable to the penalties of false declaration.  
Each of the Deeds and Documents as are in applicant's possession or control, must be deposited with the application.  
Counterpart leases must be included, but these will be returned, if required.

After issue of the Certificate of Title, should delivery be desired of any of the documents to which the person lodging them is entitled, attested copies of such documents may be required. This does not apply to partially cancelled registered documents.

Should any transaction affecting the land in this application be entered into subsequent to the date of the application, but prior to the issue of the Certificate of Title, the Registrar General should be informed immediately, and all documents evidencing such transaction should be lodged.

SCHEDULE REFERRED TO—(continued).\*

(TO BE SIGNED BY APPLICANT, IF UTILISED, IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

\*See marginal notes under asterisk on page 2.

The Prior Title from Crown Grant has been passed in Primary Application Numbered 6050

1 1889 Feb. 7 INDENTURE OF CHARGE Tom Bradbury Wilkinson to Mercantile Bank of Sydney Registered No. 35 Book 418

2 1891 Sept. 23 CONVEYANCE Daniel Cooper 1st part Edward Milner Stephen Official Assignee of Bankrupt estate of T. B. Wilkinson 2nd part James Richard Hill 3rd part Mercantile Bank of Sydney 4th part and Commercial Bank of Australia Limited 5th part Registered No. 334 Book 471

These deeds and documents are with the Commercial Bank of Australia Limited or Norton and Company their Solicitors.

3 1891 Oct. 2 CERTIFICATE of his Honor C. J. Manning Judge in Bankruptcy as to appointment of E. M. Stephen official Assignee of T. B. Wilkinson's Estate endorsed on above Conveyance

4 1901 June 4 CONVEYANCE Commercial Bank of Australia Limited 1st part Edward Knox Hawknass 2nd part Mary Catherine Heffenstein 3rd part Carl Louis Heffenstein 4th part Registered Number 183 Book 689.

These deeds and documents are lodged with Application

5 1921 July 7 DECLARATION by Mary Catherine Martin formerly Heffenstein with Registrar General's Certificate attached.

6 1921 July 7 CONVEYANCE Mary Catherine Martin to James Patrick Paton Registered No 905 Book 1228.

7 1901 May 23 SURVEYORS CERTIFICATE by Atchison & Schleicher

*Handwritten notes:*  
Hawthorne  
4 to 7  
1891  
1892  
1893  
1894  
1895  
1896  
1897  
1898  
1899  
1900  
1901  
1902  
1903  
1904  
1905  
1906  
1907  
1908  
1909  
1910  
1911  
1912  
1913  
1914  
1915  
1916  
1917  
1918  
1919  
1920  
1921  
1922  
1923  
1924  
1925  
1926  
1927  
1928  
1929  
1930  
1931  
1932  
1933  
1934  
1935  
1936  
1937  
1938  
1939  
1940  
1941  
1942  
1943  
1944  
1945  
1946  
1947  
1948  
1949  
1950  
1951  
1952  
1953  
1954  
1955  
1956  
1957  
1958  
1959  
1960  
1961  
1962  
1963  
1964  
1965  
1966  
1967  
1968  
1969  
1970  
1971  
1972  
1973  
1974  
1975  
1976  
1977  
1978  
1979  
1980  
1981  
1982  
1983  
1984  
1985  
1986  
1987  
1988  
1989  
1990  
1991  
1992  
1993  
1994  
1995  
1996  
1997  
1998  
1999  
2000  
2001  
2002  
2003  
2004  
2005  
2006  
2007  
2008  
2009  
2010  
2011  
2012  
2013  
2014  
2015  
2016  
2017  
2018  
2019  
2020  
2021  
2022  
2023  
2024  
2025  
2026  
2027  
2028  
2029  
2030  
2031  
2032  
2033  
2034  
2035  
2036  
2037  
2038  
2039  
2040  
2041  
2042  
2043  
2044  
2045  
2046  
2047  
2048  
2049  
2050  
2051  
2052  
2053  
2054  
2055  
2056  
2057  
2058  
2059  
2060  
2061  
2062  
2063  
2064  
2065  
2066  
2067  
2068  
2069  
2070  
2071  
2072  
2073  
2074  
2075  
2076  
2077  
2078  
2079  
2080  
2081  
2082  
2083  
2084  
2085  
2086  
2087  
2088  
2089  
2090  
2091  
2092  
2093  
2094  
2095  
2096  
2097  
2098  
2099  
2100

*Handwritten signature:* J.P. Paton

*Handwritten notes:*  
23/5/992 8 26-10-1923 Statement of Applicant  
124/1 9 13-11-1924 Stat. Decln. by A. B. Schleicher re search for deeds.  
213/19 10 1901 Abstract of title of Commercial Bank of Australia  
11 1921 " " " M.C. Martin

12 27-2-25 Stat. Decln. of Com. Raine Raine  
13 19-3-25 " " " Jas. Patrick Paton

14 13-11-1925 Stat. Decln. of J.P. Paton  
15 11-11-1925 Stat. Decln. of C. Martin

16 30-7-1890 Proof of debt by H. Gilfillanre V.B. Wilkinson  
17 30-9-1899 Sequestration Decree by J.P. Wilkinson No. 1620  
18 17-12-1925 Stat. Decln. by A. B. Schleicher re search for deeds. 23/5/992

Section 1.7 requires that this Certificate be signed by Applicant or his Solicitor and render liable any person (solicit or negligently certifying, to a penalty of £50; also, to damages recoverable by parties injured. If by Solicitor, he should insert "And that I am the Solicitor of the within-named Applicant," and should add his own address to his signature. The signature should be that of the Solicitor himself, and not of his firm.

I certify that the within application is correct for the purposes of the Real Property Act, 1900†

(Signature)

RULE UP ALL BLANKS BEFORE SIGNING, EXCEPT SPACE IN SCHEDULE BELOW APPLICANT'S SIGNATURE.

### F E E S.

#### PAYMENT OF THESE MUST ACCOMPANY THE APPLICATION.

1st.—Where the Applicant is the Original Grantee from the Crown, and no transactions have been registered.

|   |        |
|---|--------|
| New Certificate ...                               | £1 0 0 |
| Add Assurance, ½d. in the £ on declared value ... |        |
| Office Copy of Plan ...                           | 0 5 0  |

2nd.—Where the Applicant is not the Grantee from the Crown, or being the Grantee, the property has been dealt with by any Registered Instrument.

|                         |                |
|-------------------------|----------------|
| <b>F E E S. —</b>       |                |
| Advertisement ...       | £1 10 0        |
| New Certificate ...     | 1 0 0          |
| Office Copy of Plan ... | 0 5 0          |
| <b>TOTAL</b> ...        | <b>£2 15 0</b> |

In addition to the Assurance Fee of ½d. in the £ on the value.

State to whom all correspondence relating to this Application should be sent, with address, as under, viz.—

Name

Occupation

Post Town



No. 37979

New South Wales.

R.P.2

APPLICATION TO BRING LANDS UNDER THE PROVISIONS OF  
THE REAL PROPERTY ACT, 1900.

FEE SIMPLE.<sup>3</sup>

<sup>a</sup> This form may be modified  
to suit the case of a lease-  
hold title.



**Caution.**—Applicants are reminded that by virtue of the provisions of the Crimes Act, 1900, the penalties of perjury are attached to a false declaration concerning any matter or procedure under the Act, and that the utmost care is therefore necessary in framing (or reading over, if the form be filled up by an Attorney) every particular statement herein.

It is further provided by Section 125 of the Real Property Act, 1900, that any applicant procuring a Certificate through any fraud, error, omission, misrepresentation, or misdescription will, notwithstanding the issue of such Certificate, remain liable for damages to any person thereby prejudiced. And any person who fraudulently procures, assists in fraudulently procuring, or is privy to the fraudulent procurement of any Certificate of Title, is declared guilty of a misdemeanour, and liable to a penalty not exceeding \$500, or imprisonment not exceeding three years; and any Certificate thereby procured is rendered void.

Pass  
Judgment  
Certificate  
Advertising  
Office Copy  
Plan  
Total

<sup>b</sup> Here state Christian and  
surname (or names) in full  
with residence and occupa-  
tion.

ELIZABETH MILLS of Double Bay in the State of New South Wales,  
Residential Proprietress

<sup>c</sup> "I am" or if the declaration  
is made by an attorney  
(S.D.), of

do solemnly and sincerely declare, that: I am

seized for an Estate in fee simple of

<sup>d</sup> Here give description of the  
property in full. If the  
land is shown on a plan  
lodged with the application  
or is fully described in a  
deed, it will be sufficient to  
insert a reference to the  
area, town, parish, and  
county and words indicating  
that the land is shown on  
the plan or described in  
the deed in question.

ALL THAT piece or parcel of land situated near Double Bay in the Parish  
of Alexandria, County of Cumberland and State of New South Wales containing  
seven perches and being the land described in Real Property Application  
No. 37979

The application may  
include an appurtenant  
easement expressly created  
by an instrument not  
registered under the Real  
Property Act, 1900 (see  
section 14A).

Unless the Registrar-General  
has previously dispensed  
with a plan of survey, an  
accurate plan, prepared  
and certified by a surveyor  
specially licensed under  
the Act, must accompany  
the application.

If there be any rights of  
way or other rights or eas-  
ements affecting the premises  
the particulars should be  
stated.

If the space for description  
be insufficient, it may be  
completed by annexure  
which must however be  
identified as part of the  
declaration, by memorandum  
signed by the declarant  
and attesting officer.

<sup>e</sup> The full improved value  
should be stated.

which land (including all improvements) is of the value of Two thousand eight hundred and fifty pounds  
and no more, and is of 1,130 acres originally granted

<sup>f</sup> State whether "the whole"  
or "part."

<sup>g</sup> Insert allotment with refer-  
ence to number of section  
on plan, if any, or if not,  
number of acres granted.

to Daniel Cooper & Solomon Levey Crown grant, under the hand of the Governor of the Colony, dated the  
twenty second day of March 18 30

<sup>h</sup> Name of Grantee.

And I further declare, that I verily believe there does not exist any lease or agreement for lease of the said land, for any term exceeding  
a tenancy for one year, or from year to year,

<sup>i</sup> If there be any lease, add  
the word "except as  
follows" and insert  
particulars thereof.

Also, that there does not exist any mortgage, lien, writ of execution, charge or encumbrance, will or settlement, or any deed or writing,  
contract, or dealing (other than such lease or tenancy as aforesaid), giving any right, claim, or interest in or to the said land, or any part  
thereof, to any other person than myself

<sup>j</sup> If there be any mortgage,  
lien, etc., add the words  
"except as follows" and  
insert particulars thereof.

<sup>k</sup> Insert "unoccupied," or  
"in the occupation of,"  
adding name and address  
of tenant in full.

and I further declare, that there is no person in possession or occupation of the said land or any part thereof adversely to my Estate or  
Interest therein, and that the said land is now unoccupied

State also nature of tenancy,  
if not under lease as  
before mentioned.

When the applicant is not  
in actual occupation, but  
has a caretaker or manager  
in occupation, the name of  
such caretaker or manager  
should be stated, together  
with the nature of his  
occupation.

<sup>l</sup> Here insert names and  
residences of adjacent  
owners and occupiers on  
all sides.

and that the owners and occupiers of adjacent lands are as follows:—

| State whether<br>on North,<br>South, East,<br>or West. | Name.                                     | State whether<br>owner or occupier. | Address.  |
|--|---|-------------------------------------|---|
| S.W.   | Cross Street                              |                                     | Municipality of Woollahra                           |
| N.E.   | Laneway                                   |                                     | Municipality of Woollahra                           |
| ① N.W.   | Miss H.C. Cheesbrough                     | Owner &<br>occupier                 | 25 Cross Street, Double Bay                         |
| ② S.E.   | Mrs. Alleyne Clarice Zander<br>MRS. Lynch | Owner                               | C/-Raine & Horne, Pitt & Hunter Streets,<br>Sydney. |
| ③  | Council                                   |                                     | 21 Transvaal Ave. Double Bay<br>(Sh.5).             |

Cert. of T. issued Vol. 6668 Fol. 218  
Dated 19 MAY 1953

And I further declare, that the annexed Schedule, to which my signature is affixed, and which is to be taken as part of this Declaration,

- The declaration may be qualified to the extent to which Applicant's title has been previously passed by the Registrar General by inserting the words "Commencing with Conveyance dated 30/7/1903 Commercial Bank of Aust.Ltd., E.K.Harkness and Messrs. Coote & Wicks Reg. No.584 Book 742 of all settlements, deeds, documents, or instruments, maps, plans and papers relating to the land comprised in this application, so far as I have any means of ascertaining the same, distinguishing such as being in my possession or under my control, are herewith lodged and indicating where or with whom, so far as known to me, any others thereof are deposited. Also, that there does not exist any fact or circumstance whatever material to the title, which is not hereby fully and fairly disclosed to the utmost extent of my knowledge, information, and belief; and that there is not, to my knowledge and belief, any action or suit pending affecting the said land, nor any person who has or claims any estate, right, title or interest therein, or in any part thereof, otherwise than by virtue and to the extent of some lease or tenancy hereby fully disclosed."
- If there be any exception add the words "except as follows" and insert necessary particulars.
- If made in New South Wales this declaration must be attested by the Registrar General or Deputy, or by a Notary Public, or by a Justice of the Peace, or Commissioner for Affidavits. If made outside the State it should be made according to the law of the State where made, before a person authorised by that law to take declarations. If the signature be by mark, the attestation must state that the document was read over to the declarant, and that he appeared fully to understand the contents. This applies also to the substituted declaration, particularly if a different person be nominated to receive certificate.

And I make this solemn Declaration, conscientiously believing the same to be true.

DATED at Sydney this 21st day of October 1952.  
(RULE UP ALL BLANKS BEFORE SIGNING.)

Made and subscribed by the abovenamed  
ELIZABETH MILLS  
this 21st day of October 1952,  
in the presence of

Signature of  
Applicant

Elizabeth Mills

Colin C. Summers J.P.

To the Registrar-General,—

I ELIZABETH MILLS  
~~XXXX~~

the above declarant, do hereby apply to have the land described in the

above declaration brought under the provisions of the Real Property Act, and request you to issue the Certificate of Title in the name of  
ELIZABETH MILLS of Double Bay, Residential Proprietress

DATED at Sydney this 21st day of October 1952

Witness to Signature—

Colin C. Summers J.P.

(Signature of Applicant)

Elizabeth Mills

\* N.B.—The Schedule below and Certificate indorsed on fourth page should be also signed.

In no case can any alterations, however trifling, be allowed to be made after the application has been once declared, unless all the parties re-sign and re-declare the same. If it is discovered that any alterations are necessary, the applicant may make a statutory declaration setting out in what manner he desires the application to be altered, which declaration will then (unless the Registrar General considers that a fresh application ought to be made) be read as one with the application.

(RULE UP ALL BLANKS BEFORE SIGNING.)

#### SCHEDULE REFERRED TO.\*

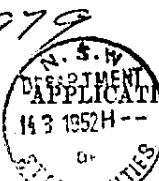
(TO BE SIGNED BY APPLICANT IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

To include not only Title Deeds, Probates, Letters of Administration, etc., but also the Surveyor's Plan or Statement in lieu thereof.

\* For the particulars which this Schedule must comprise, see concluding part of Declaration, to which particular attention is directed, as any omission or mis-statement will render applicant liable to the penalties of false Declaration.

| No. | Date. | Nature of Instrument. | Parties.   | Registration. |     | When and by whom Lodged. |
|-----|-------|-----------------------|--|---------------|-----|--------------------------|
|     |       |                       |  | Book.         | No. |                          |
|     |       |                       | See Schedule referred to in Real Property Application No.37979 |               |     |                          |
|     |       |                       | <u>Elizabeth Mills</u>   |               |     |                          |

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



New South Wales.

APPLICATION TO BRING LANDS UNDER THE PROVISIONS  
OF THE REAL PROPERTY ACT, 1900.

FEE SIMPLE.<sup>3</sup>



27979  
MAR 20 11 45 1952

Lodgment ... 1  
Certificate ... 1.00  
Advertising ... 1.00  
Office Copy ... 1.00  
Plan ... 1.00  
Total 4.00

Carries no duties are remitted that by virtue of the provisions of the Crimes Act, 1900, the penalties of perjury are incurred by a person who makes a false declaration concerning any matter or procedure under the Act, and that the utmost care is therefore to be taken in making (or causing to be made) every particular statement herein.  
It is further provided by Section 125 of the Real Property Act, 1900, that any applicant procuring a Certificate through any fraud, error, omission, misrepresentation, or misdescription will, notwithstanding the issue of such Certificate, remain liable for damages to any person thereby prejudiced. And any person who fraudulently procures, sells or fraudulently procures, or is privy to the fraudulent procurement of any Certificate of Title, is declared guilty of a misdemeanour, and liable to a penalty not exceeding £500, or imprisonment not exceeding three years; and any Certificate thereby procured is rendered void as between all parties or privies to the fraud.

I ROBERT WILLIAM ROBSON attorney for  
THOMAS TOPPING of Double Bay, Plumber

Thomas Topping

do solemnly and sincerely declare, that THOMAS TOPPING is seized for an Estate in fee simple of

ALL THAT piece or parcel of land situated near Double Bay in the Parish of Alexandria County of Cumberland and State of New South Wales as described in Deed of Conveyance dated the 4th April, 1935 between Archibald Tulloch of the 1st part and Thomas Topping of the 2nd part and Registered No. 972 Book 1714.

which land (including all improvements) is of the value of Two thousand eight hundred and fifty pounds and no more, and is part of 1.130 acres originally granted to Daniel Cooper & Solomon Levey by Crown grant, under the hand of the Governor of the Colony, dated the twenty second day of March 18 30 G.L. 21 P.1  
And I further declare, that I verily believe there does not exist any lease or agreement for lease of the said land, for any term exceeding a tenancy for one year, or from year to year,

Also, that there does not exist any mortgage, lien, writ of execution, charge or encumbrance, will or settlement, or any deed or writing, contract, or dealing (other than such lease or tenancy as aforesaid), giving any right, claim, or interest in or to the said land, or any part thereof, to any other person than THOMAS TOPPING

and I further declare, that there is no person in possession or occupation of the said land or any part thereof adversely to his interest therein, and that the said land is now unoccupied

and that the owners and occupiers of adjacent lands are as follows:—

| State whether on North, South, East, or West. | Name.                      | State whether owner or occupier. | Address.  |
|---|----------------------------|----------------------------------|---|
| S.W.  | Cross Street               |                                  | Municipality of Woollahra                         |
| N.E.  | Laneway                    |                                  | Municipality of Woollahra                         |
| N.W.  | Miss N.C.Cheesbrough       | Owner & Occupier                 | 25 Cross Street, Double Bay.                      |
| S.E.  | Mrs.Alleyne Clarice Zander | Owner                            | C/- Raine & Horne, Pitt & Hunter Streets, Sydney. |

And <sup>1</sup> further declare, that the annexed Schedule, to which <sup>my</sup> signature <sup>is</sup> affixed, and which is to be taken as part of this Declaration, contains a full and correct list <sup>commencing with Conveyance dated 30/7/1903 Commercial Bank of Aust. Ltd., E.K.Harkness and Messrs.Coote & Wicks</sup> of all settlements, deeds, documents, or instruments, maps, plans and papers relating to the land comprised in this application, so far as <sup>1</sup> have any means of ascertaining the same, distinguishing such as being in <sup>my</sup> possession or under <sup>my</sup> control, are herewith lodged and indicating where or with whom, so far as known to <sup>my</sup> any others thereof are deposited. Also, that there does not exist any fact or circumstance whatever material to the title, which is not hereby fully and fairly disclosed to the utmost extent of <sup>my</sup> knowledge, information, and belief; and that there is not, to <sup>my</sup> knowledge and belief, any action or suit pending affecting the said land, nor any person who has or claims any estate, right, title or interest therein, or in any part thereof, otherwise than by virtue and to the extent of some lease or tenancy hereby fully disclosed.

And <sup>1</sup> make this solemn Declaration, conscientiously believing the same to be true.  
 DATED at Sydney this 13th day of March 19 52.  
 (RULE UP ALL BLANKS BEFORE SIGNING.)

Made and subscribed by the abovenamed  
ROBERT WILLIAM ROBSON  
 this 13 day of March 19 52.  
 in the presence of:

Signature of  
 Applicant

A Justice of the Peace.

To the Registrar-General,—

ROBERT WILLIAM ROBSON

above declaration brought under the provisions of the Real Property Act, and request you to issue the Certificate of Title in the name of  
THOMAS TOPPING of Double Bay, Plumber

DATED at 13 this March day of 19 52

Witness to Signature—

(Signature of Applicant)

\* N.B.—The Schedule below and Certificate indorsed on fourth page should be also signed.

In no case can any alterations, however trifling, be allowed to be made after the application has been once declared, unless all the parties re-sign and re-declare the same. If it is discovered that any alterations are necessary, the applicant may make a statutory declaration setting out in what manner he desires the application to be altered, which declaration will then (unless the Registrar General considers that a fresh application ought to be made) be read as one with the application.

(RULE UP ALL BLANKS BEFORE SIGNING.)

### SCHEDULE REFERRED TO.\*

(TO BE SIGNED BY APPLICANT IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

To include not only Title Deeds, Probates, Letters of Administration, etc., but also the Surveyor's Plan or Statement in lieu thereof.

\* For the particulars which this Schedule must comprise, see concluding part of Declaration, to which particular attention is directed, as any omission or mis-statement will render applicant liable to the penalties of false declaration.

| No. | Date.     | Nature of Instrument. | Parties.   | Registration. |     | When and by whom Lodged. |
|-----|-----------|-----------------------|--|---------------|-----|--------------------------|
|     |           |                       |  | Book.         | No. |                          |
| 1.  | 30/7/1903 | Conveyance            | The Commercial Bank of Aust. Ltd. of the 1st part E.K.Harkness of 2nd part and Messrs. Coote and Wicks third part. | 742           | 584 | m. b. Boyle<br>v. d. n.  |
| 2.  | 17/11/21  | Conveyance            | Edmund James Coote and Anor. to Lucy Ann Angus & Anor.   | 1244          | 733 |                          |
| 3.  | 12/6/22   | Mortgage              | Archibald Tulloch to Lucy Ann A ngus & Anor.   | 1264          | 821 |                          |
| 4.  | 12/6/25   | Discharge             | Lucy Ann Angus & Anor. to Archibald Tulloch  | 1391          | 888 |                          |
| 5.  | 19/6/22   | Conveyance            | Lucy Ann Angus & Anor. to Archibald Tulloch  | 1264          | 820 |                          |
| 6.  | 12/6/25   | Mortgage              | Archibald Tulloch to Dinah Ekenberg  | 1391          | 890 |                          |

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

See Indorsement overleaf.

all areas to remain in case of 5/6/50

1-16, 19-27

at death of E. Miller

Contract of Sale T. Topping to E. Miller

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

SCHEDULE REFERRED TO—(continued).  
(TO BE SIGNED BY APPLICANT, IF UTILISED, IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

| No. | Date. | Nature of Instrument. | Parties. | Registration No. | When and by whom lodged. |
|-----|-------|-----------------------|----------|------------------|--------------------------|
|-----|-------|-----------------------|----------|------------------|--------------------------|

1522 368  
1827 380  
1714 972

Deed of Extension  
Discharge of Mortgage, Dinah Ekenberg to Archibald Tulloch  
Conveyance Archibald Tulloch to Thomas Topping  
Declaration of E.J. Coote and F. Wicks  
Declaration of H.M. Jackson.  
Birth Certificate of Jeanie Watson daughter of William Angus  
Birth Certificate of Daphne, daughter of William Angus  
Birth Certificate of Robert, son of William Angus.  
Birth Certificate of Heath/May, daughter of William Angus.  
Death Certificate of William Angus.  
Declaration annexing marriage certificate of James Birnie Jackson and Heather May Angus. VIDE DEC 54  
Survey of Messrs. Rygate & West.

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

Recd by E. Miller. (Supplemental R.R. Application)

MEMORANDUM AS TO NON-REVOCATION OF POWER OF ATTORNEY.

Memorandum whereby the undersigned states that he has no notice of the revocation of the Power of Attorney registered No. 42654 Miscellaneous Register under the authority of which he has just executed the within Application.

Signed at Sydney the 13<sup>th</sup> day of March 1952.

Signed in the presence of:-

.....*Phillips*.....

.....*W. Kobron*.....

I certify that the within application is correct for the purposes of the Real Property Act, 1900†.

† Section 117 requires that this Certificate be signed by Applicant or his Solicitor and renders liable any person falsely or negligently certifying, to a penalty of £50; also, to damages recoverable by parties injured.  
If by Solicitor, he should insert:—"And that I am the Solicitor of the within-named Applicant," and should add his own address to his signature. The signature should be that of the Solicitor himself and not of his firm.

(Signature) *W. Kobron*

RULE UP ALL BLANKS BEFORE SIGNING, EXCEPT SPACE IN SCHEDULE BELOW APPLICANT'S SIGNATURE.)

F E E S .

PAYMENT OF THESE MUST ACCOMPANY THE APPLICATION.

|  | £ | s. | d. |
|--|---|----|----|
| Certificate of Title ... ..                        | 1 | 10 | 0  |
| Office Copy of Plan (when a Plan is furnished) ... | 0 | 7  | 6  |
| Preparation of Plan (when a Plan is not furnished) | 1 | 0  | 0  |
| Advertisement ... ..                               | 1 | 10 | 0  |
| Lodgment fee ... ..                                | 1 | 0  | 0  |

*Received Liven Plan*  
*87 P.*  
*W. Kobron*

20. 3. 52

☞ State to whom all correspondence relating to this Application should be sent, with address, as under, viz.:—

Name M.B.BYLES & CO.,

Occupation SOLICITORS,

Post Town 4 Castlereagh Street,  
Sydney.



24  
I certify that the within application is correct for the purposes of the Real Property Act, 1900†.

† Section 117 requires that this Certificate be signed by Applicant or his Solicitor and renders liable any person falsely or negligently certifying to a penalty of £50; also, to damages recoverable by parties injured.  
If by Solicitor, he should insert: "And that I am the Solicitor of the within-named Applicant" and should add his own address to his signature. The signature should be that of the Solicitor himself and not of his firm.

(Signature) Elizabeth Mills

RULE UP ALL BLANKS BEFORE SIGNING, EXCEPT SPACE IN SCHEDULE BELOW APPLICANT'S SIGNATURE.)

15. EXTRA FEES

|              |     |
|--------------|-----|
| Diagram      | 400 |
| Extra Folios | V   |

MAY 1958

F E E S .

ALL OF THESE MUST ACCOMPANY THE APPLICATION.

|  | £ | s. | d. |
|--|---|----|----|
| Certificate of Title ... ..                        | 1 | 10 | 0  |
| Office Copy of Plan (when a Plan is furnished) ... | 0 | 7  | 6  |
| Preparation of Plan (when a Plan is not furnished) | 1 | 0  | 0  |
| Advertisement ... ..                               | 1 | 10 | 0  |
| Lodgment fee ... ..                                | 1 | 0  | 0  |

☒ State to whom all correspondence relating to this Application should be sent, with address, as under, viz.:—

Name

Occupation

Post Town

No. 38269

New South Wales.

R.P.2.

Form -

8 a. d.



APPLICATION TO BRING LANDS UNDER THE PROVISIONS OF  
THE REAL PROPERTY ACT, 1900.

FEE SIMPLE.<sup>a</sup>

CAUTION.—Applicants are reminded that by virtue of the provisions of the Crimes Act, 1900, the penalty for a false declaration concerning any matter or procedure under the Act, and that the utmost care is to be taken (or reading over, if the form be filled up by an Attorney) every particular statement herein.  
It is further provided by Section 126 of the Real Property Act, 1900, that any applicant procuring a false declaration, or misdescription will, notwithstanding the issue of such Certificate, remain liable for damages to any person thereby prejudiced. And any person who fraudulently procures, assists in fraudulently procuring, or is privy to the fraudulent procurement of any Certificate of Title, is declared guilty of a misdemeanour, and liable to not exceeding \$500, or imprisonment not exceeding three years; and any Certificate thereby procured is void and of no effect as to all parties or privies to the fraud.



Lodgment ... 1 : -  
Certificate ... 2 : -  
Advertising ... 3 : -  
Office Copy Plan ... 1 : 40  
Total ... 6 : 10

Diag. 10/1-4-84  
12/1/53

Here state Christian and surname (or name) in full with residence and occupation.

**JAMES LYNCH** of Number 19 William Street, Double Bay, *Levee*

"I am" or if the declaration is made by an Attorney "I, of" (as the case may be), Here give description of the property, in full. If the land is shown on a plan lodged with the application, it is fully described in a deed. It will be sufficient to insert a reference to the area, town, parish, and county and words indicating that the land is shown on the plan or described in the deed in question. The application may include an appointment assessment expressly created by an instrument not registered under the Real Property Act, 1900 (see section 14A). Unless the Registrar-General has previously dispensed with a plan of survey, an accurate plan, prepared and certified by a surveyor specially licensed under the Act, must accompany the application. If there be any rights of way or other rights or easements affecting the premises the particulars should be stated.

do solemnly and sincerely declare, that "I am seised for an Estate in fee simple of <sup>4</sup> of land situate in the Municipality of Woollahra, Parish of Alexandria and County of Cumberland, being the whole of the land comprised in Conveyance dated the Twelfth day of August One thousand nine hundred and fifty-two Registered Number 627 Book 2222 and being the whole of the land in Plan of Survey by Mr. Surveyor G.H. Martin lodged herewith,

If the space for description be insufficient, it may be completed by annexure which must however be identified as part of the declaration, by memorandum signed by the declarant and attesting officer.

which land (including all improvements) is of the value of "TWO THOUSAND SEVEN HUNDRED AND FIFTY POUNDS and no more, and is part of land 1130 acres originally granted to Messieurs Cooper and Levey by Crown grant, under the hand of the Governor of the Colony, dated the Twenty-second day of March 18 30.

State whether "the whole" or "part." Insert allotments with reference to number and section on plan, if any, or if not, number of acres granted. Name of Grantee.

If there be any lease, add the words "except as follows" and insert particulars thereof.

And I further declare, that I verily believe there does not exist any lease or agreement for lease of the said land, for any term exceeding a tenancy for one year, or from year to year.<sup>k</sup>

If there be any mortgage, then, add the words "except as follows" and insert particulars thereof.

Also, that there does not exist any mortgage, lien, writ of execution, charge or encumbrance, will or settlement, or any deed or writing, contract, or dealing (other than such lease or tenancy as aforesaid), giving any right, claim, or interest in or to the said land, or any part thereof, to any other person than myself.

Insert "unoccupied," or "in the occupation of" adding name and address of tenants in full. State also nature of tenancy, if not under some lease before mentioned. When the applicant is not in actual occupation, but has a caretaker or manager in occupation, the name of such caretaker or manager should be stated, together with the nature of his occupancy.

and I further declare, that there is no person in possession or occupation of the said land or any part thereof adversely to my Estate or Interest therein, and that the said land is now<sup>m</sup> as regards property Number 19 is occupied by myself, property Number 21 is occupied by Mrs. Carsell as a weekly tenant,

Here insert names and residences of adjacent owners and occupiers on all sides.

and that the owners and occupiers of adjacent lands are as follows<sup>n</sup>:-

| State whether on North, South, East, or West. | Name.                      | State whether owner or occupier. | Address.                            |
|---|----------------------------|----------------------------------|-------------------------------------|
| <u>NORTH</u>                                  | <u>PASSAGE 5 feet wide</u> |                                  |                                     |
| <u>SOUTH</u>                                  | <u>S. Levey</u>            |                                  |                                     |
| <u>EAST</u>                                   | <u>CROSS STREET</u>        |                                  |                                     |
| <u>WEST</u>                                   | <u>TRANSVAAL AVENUE</u>    |                                  |                                     |
|   | <u>MISS MILLS</u>          | <u>Occupier and Owner</u>        | <u>23 Cross Street, Double Bay.</u> |

Cert. of T. issued Vol. 6783 Fol. 229  
Dated

And I further declare, that the annexed Schedule, to which my signature is affixed, and which is to be taken as part of this Declaration, contains a full and correct list of all settlements, deeds, documents, or instruments, maps, plans and papers relating to the land comprised in this application, so far as I have any means of ascertaining the same, distinguishing such as being in my possession or under my control, are herewith lodged and indicating where or with whom, so far as known to me, any others thereof are deposited. Also, that there does not exist any fact or circumstance whatever material to the title, which is not hereby fully and fairly disclosed to the utmost extent of my knowledge, information, and belief; and that there is not, to my knowledge and belief, any action or suit pending affecting the said land, nor any person who has or claims any estate, right, title or interest therein, or in any part thereof, otherwise than by virtue and to the extent of some lease or tenancy hereby fully disclosed.

And I make this solemn Declaration, conscientiously believing the same to be true.  
DATED at Lydney this fifth day of January 1953.  
(RULE UP ALL BLANKS BEFORE SIGNING.)

Made and subscribed by the abovenamed  
JAMES LYNCH  
this 5<sup>th</sup> day of January 1953  
in the presence of:-

Signature of } James Lynch  
Applicant }

Whirling G.P.

To the Registrar-General,—

JAMES LYNCH

the above declarant, do hereby apply to have the land described in the above declaration brought under the provisions of the Real Property Act, and request you to issue the Certificate of Title in the name of JAMES LYNCH.

DATED at Lydney this 5<sup>th</sup> day of January 1953.

Witness to Signature—

Whirling G.P.

(Signature of Applicant) James Lynch

\* N.B.—The Schedule below and Certificate indorsed on fourth page should be also signed.

In no case can any alterations, however trifling, be allowed to be made after the application has been once declared, unless all the parties re-sign and re-declare the same. If it is discovered that any alterations are necessary, the applicant may make a statutory declaration setting out in what manner he desires the application to be altered, which declaration will then (unless the Registrar General considers that a fresh application ought to be made) be read as one with the application.

(RULE UP ALL BLANKS BEFORE SIGNING.)

### SCHEDULE REFERRED TO.\*

(TO BE SIGNED BY APPLICANT IMMEDIATELY BELOW THE LAST DOCUMENT SCHEDULED.)

To include not only Title Deeds, Probates, Letters of Administration, etc., but also the Surveyor's Plan or Statement in lieu thereof.

\* For the particulars which this Schedule must comprise, see concluding part of Declaration, to which particular attention is directed, as any omission or mis-statement will render applicant liable to the penalties of false Declaration.

| No. | Date.      | Nature of Instrument.                 | Parties.   | Registration. |     | When and by whom Lodged. |
|-----|------------|---------------------------------------|--|---------------|-----|--------------------------|
|     |            |                                       |  | Book.         | No. |                          |
| 1.  | 6/5/1902   | CONVEYANCE                            | THE COMMERCIAL BANK OF AUSTRALIA LIMITED to PETER TYSON and WILLIAM COPE | 714           | 968 | herewith                 |
| 2.  | 25/4/1906  | CONVEYANCE                            | WILLIAM COPE to A.P.E. TYSON and ANOTHER                                 | 939           | 801 | "                        |
| 3.  | 3/6/1908   | CONVEYANCE                            | Messrs. W. COPE and A.P.E. TYSON to H. MacFARLANE                        | 857           | 486 | "                        |
| 4.  | 1/9/1923   | CONVEYANCE                            | J.R. BURFITT & ANOTHER to ARTHUR BARLOW                                  | 1319          | 233 | "                        |
| 5.  | 13/8/1923  | DECLARATION                           | J.R. BURFITT   |               |     | "                        |
| 6.  | 26/9/1924  | CONVEYANCE                            | ARTHUR BARLOW to J.M.E. McSHANE  | 1361          | 952 | "                        |
| 7.  | 26/9/1924  | DECLARATION                           | ARTHUR BARLOW  |               |     | "                        |
| 8.  | 30/9/1924  | MORTGAGE                              | J.M.E. McSHANE to S.M. PONDER  | 1361          | 953 | "                        |
| 9.  | 24/10/1927 | DISCHARGE OF MORTGAGE                 | J.M.E. McSHANE   |               |     | "                        |
|     |            | ENDORSED ON LASTLY MENTIONED MORTGAGE |  | 1491          | 301 | "                        |

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



*1488*  
*Magnay & Magnay*

I certify that the within application is correct for the purposes of the Real Property Act, 1900†.

† Section 117 requires that this Certificate be signed by Applicant or his Solicitor and renders liable any person, falsely or negligently certifying, to a penalty of £50; also, to damages recoverable by parties injured.  
If by Solicitor, he should insert:—“And that I am the Solicitor of the within-named Applicant,” and should add his own address to his signature. The signature should be that of the Solicitor himself and not of his firm.

(Signature) *James Lynch*

RULE UP ALL BLANKS BEFORE SIGNING, EXCEPT SPACE IN SCHEDULE BELOW APPLICANT'S SIGNATURE.)

F E E S .

*Received from plan 14 P*  
*22/1/19*

PAYMENT OF THESE MUST ACCOMPANY THE APPLICATION.

|  | £ | s. | d. |
|--|---|----|----|
| Certificate of Title ... ..                            | 1 | 10 | 0  |
| Office Copy of Plan (when a Plan is furnished) ...     | 0 | 7  | 6  |
| Preparation of Plan (when a Plan is not furnished) ... | 1 | 0  | 0  |
| Advertisement ... ..                                   | 1 | 10 | 0  |
| Lodgment fee ... ..                                    | 1 | 0  | 0  |

State to whom all correspondence relating to this Application should be sent, with address, as under, viz:—

Name MESSRS. MAGNEY & MAGNEY,

Occupation Solicitors,

Post Town 79 Elizabeth Street, Sydney.

EXTRA FEES 2 MAR 1951  
15  
10000 0.10 ST 757

9 - FEB 1951



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 100/617017

| SEARCH DATE | TIME    | EDITION NO | DATE      |
|-------------|---------|------------|-----------|
| 16/3/2018   | 3:00 PM | 47         | 25/2/2017 |

LAND

LOT 100 IN DEPOSITED PLAN 617017  
AT DOUBLE BAY  
LOCAL GOVERNMENT AREA WOOLLAHRA  
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND  
TITLE DIAGRAM DP617017

FIRST SCHEDULE

TRI-ANTA PTY LIMITED (T 2832875)

SECOND SCHEDULE (10 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 BK 684 NO 212 RIGHT OF WAY AFFECTING THE PART(S) SHOWN SO BURDENED  
IN THE TITLE DIAGRAM
- 3 BK 713 NO 186 RIGHT OF WAY AFFECTING THE PART(S) SHOWN SO BURDENED  
IN THE TITLE DIAGRAM
- 4 S980694 LEASE TO THE SYDNEY COUNTY COUNCIL OF SUBSTATION NO  
5407 AS SHOWN IN PLAN WITH S980694 WITH A R.O.W. &  
EASMT FOR ELECTRICITY PURPOSES OVER ANOTHER PART OF  
THE LAND ABOVE DESCRIBED & WITH RIGHTS. EXPIRES  
31-12-2031
- \* AK971351 LEASE OF LEASE S980694 TO BLUE ASSET PARTNER PTY  
LTD, ERIC ALPHA ASSET CORPORATION 1 PTY LTD, ERIC  
ALPHA ASSET CORPORATION 2 PTY LTD, ERIC ALPHA  
ASSET CORPORATION 3 PTY LTD & ERIC ALPHA ASSET  
CORPORATION 4 PTY LTD EXPIRES: SEE DEALING. CLAUSE  
2.3 (b) (ii).
- \* AK971352 LEASE OF LEASE AK971351 TO BLUE OP PARTNER PTY  
LTD, ERIC ALPHA OPERATOR CORPORATION 1 PTY LTD,  
ERIC ALPHA OPERATOR CORPORATION 2 PTY LTD, ERIC  
ALPHA OPERATOR CORPORATION 3 PTY LTD & ERIC ALPHA  
OPERATOR CORPORATION 4 PTY LTD EXPIRES: SEE  
DEALING. CLAUSE 12.1
- \* AK971502 MORTGAGE OF LEASE AK971351 TO ANZ FIDUCIARY  
SERVICES PTY LTD
- \* AK971571 CHANGE OF NAME AFFECTING LEASE S980694 LESSEE  
NOW ALPHA DISTRIBUTION MINISTERIAL HOLDING  
CORPORATION
- 5 AB674432 MORTGAGE TO WESTPAC BANKING CORPORATION
- 6 AH316247 LEASE TO THI LINH THY NGUYEN OF SHOP 3, 19-27 CROSS

END OF PAGE 1 - CONTINUED OVER

advlegs

PRINTED ON 16/3/2018



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 100/617017

PAGE 2

SECOND SCHEDULE (10 NOTIFICATIONS) (CONTINUED)

ST, DOUBLE BAY. EXPIRES: 7/8/2017. OPTION OF RENEWAL:  
5 YEARS.  
7 AJ63897 LEASE TO MAA AUSTRALIA PTY LIMITED OF SHOP 4, 19-27  
CROSS STREET, DOUBLE BAY. EXPIRES: 30/11/2017.  
8 AK450070 LEASE TO THE EYE SCENE PTY LIMITED OF SHOPS 7 AND 8,  
19-27 CROSS STREET, DOUBLE BAY. EXPIRES: 28/2/2021.  
9 AM140987 LEASE TO PETER SHERLOCK & SIMON BOOTS OF SHOP 9,  
19-27 CROSS STREET, DOUBLE BAY. EXPIRES: 30/4/2019.  
10 AM185619 LEASE TO BELINDA INTERNATIONAL PTY LIMITED OF SHOPS  
5 & 6, 19-27 CROSS STREET, DOUBLE BAY. EXPIRES:  
15/1/2018. OPTION OF RENEWAL: 2 YEARS AND ONE FURTHER  
OPTION OF 2 YEARS.

NOTATIONS

UNREGISTERED DEALINGS: NIL

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

advlegs

PRINTED ON 16/3/2018

Obtained from NSW LRS on 16 March 2018 02:00 PM AEST

\* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register.

© Office of the Registrar-General 2018

**Local Council Information / Section 149 Planning  
Certificate**

# PLANNING CERTIFICATE UNDER SECTION 10.7 (2) and (5) ENVIRONMENTAL PLANNING & ASSESSMENT ACT

Priya Dass  
JK Group - EIS  
PO Box 976  
North Ryde BC NSW 1670

**Applicant's reference:**  
E31357KR pd

Woollahra  
Municipal  
Council



ABN 32 218 483 245

**Certificate number:** 649  
**Certificate issue date:** 19/03/2018  
**Transaction ID:** 425681  
**Certificate fee:** \$133.00 (standard)

Redleaf Council Chambers  
536 New South Head Road  
Double Bay NSW 2028  
Correspondence to  
General Manager  
PO Box 61  
Double Bay NSW 1360  
DX 3607 Double Bay  
records@woollahra.nsw.gov.au  
www.woollahra.nsw.gov.au  
**Telephone: (02) 9391 7000**  
**Facsimile: (02) 9391 7044**

## DESCRIPTION OF PROPERTY

**Address:** 19-27 Cross Street DOUBLE BAY NSW 2028  
**Title:** LOT: 100 DP: 617017  
**Parish:** Alexandria  
**County:** Cumberland

This planning certificate should be read in conjunction with the Woollahra Local Environmental Plan 2014. This is available on the NSW legislation website at [www.legislation.nsw.gov.au](http://www.legislation.nsw.gov.au)

The land to which this certificate relates, being the lot or one of the lots described in the corresponding application, is shown in the Council's records as being situated at the street address described on page 1 of this certificate.

It is the applicant's responsibility to confirm that the legal description of the lot to which the application relates is accurate and current. Council does not check the accuracy or currency of the information; nor does Council have the copyright to this information.

The legal description of land is obtained from NSW Land and Property Information. Applicants must verify all property and lot information with NSW Land and Property Information.

The information contained in this certificate relates only to the lot described on the certificate.

Where the street address comprises more than one lot in one or more deposited plans or strata plans, separate planning certificates can be obtained upon application for the other lots. Those certificates may contain different information than is contained in this certificate.

## SECTION 10.7(2) DETAILS

In accordance with section 10.7(2) of the *Environmental Planning and Assessment Act 1979*, at the date of this certificate the following information is provided in respect of the prescribed matters to be included in a planning certificate.

### 1. NAMES OF RELEVANT LOCAL ENVIRONMENTAL PLANS

(a) The following local environmental plan applies to the land:

**Woollahra Local Environmental Plan 2014 (commenced 23 May 2015)**

(b) Zone:

**B2 Local Centre**

(c) Development that may be carried out within the zone without development consent:

**Roads**

(d) Development that may be carried out within the zone with development consent:

**Amusement centres; Boarding houses; Building identification signs; Business identification signs; Car parks; Centre-based child care facilities; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Environmental facilities; Environmental protection works; Function centres; Home occupations (sex services); Information and education facilities; Light industries; Medical centres; Passenger transport facilities; Places of public worship; Public administration buildings; Recreation areas; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Service stations; Sex services premises; Shop top housing; Tourist and visitor accommodation; Veterinary hospitals**

**Also refer to Schedule 1 of the LEP "Additional permitted uses" to see if this schedule applies to your land.**

(e) Development that is prohibited within the zone:

**Any development not specified in item (c) or (d) above.**

(f) Do any development standards apply to the land that set minimum land dimensions for the erection of a dwelling house on the land? If yes, what are the minimum dimensions?

**No**

(g) Does the land include or comprise 'critical habitat' under the provisions of the local environmental plan applying to the land?

**No**

(h) Is the land located in a heritage conservation area under the provisions of the local environmental plan applying to the land?

**No**

- (i) Is there an item of environmental heritage situated on the land under the provisions of the local environmental plan applying to the land?

No

---

## 2. NAMES OF RELEVANT EXHIBITED PROPOSED ENVIRONMENTAL PLANNING INSTRUMENTS

The following proposed environmental planning instruments, including a planning proposal for a LEP or a draft environmental planning instrument have been the subject of community consultation or on public exhibition under the *Environmental Planning and Assessment Act 1979* (unless the Director-General has notified Council that the making of the proposed instrument has been deferred indefinitely or has not been approved.)

**Properties affected: Ian Street and Wilberforce Avenue car parks in the Rose Bay Centre**

**Details:** A planning proposal has been prepared to amend the Woollahra Local Environment Plan 2014 by:

*Ian Street Car Park*

- rezoning the land from Special Purpose Zone SP2 Infrastructure (Car Park) to Business Zone B2 Local Centre,
- amending Schedule 1 to allow 'residential flat building' as an additional permitted use on the site,
- increasing the maximum building height from 10.5m (3 storeys) to 14.1m (4 storeys),
- applying a floor space ratio of 2:1 (none currently applies).

*Wilberforce Avenue Car Park*

- increasing the maximum building height from 14.1m (4 storeys) to 17.2m (5 storeys).

In summary, these changes would facilitate a four storey building on the Ian Street Car Park site and a five storey building on the Wilberforce Avenue Car Park site.

**Exhibition period:** 26 April 2017 to 2 June 2017.

---

**Properties affected: Dunara Reserve, Point Piper**

**Details:** A planning proposal has been prepared to reclassify the land from community land to operational land under the *Local Government Act 1993*. Reclassifying the land would allow the sale of the site.

**Re-exhibition period:** 25 October to 24 November 2017

---

**Properties affected: 42-58 Old South Head Road, Vaucluse**

**Details:** A planning proposal has been prepared to amend the *Woollahra Local Environment Plan 2014* to allow redevelopment of the site for medium density residential development, including residential flat buildings, to a maximum height of 10.5 metres (3 storeys) and a maximum floor space ratio (FSR) of 1:1.

The changes to the LEP involve the following:

- amending the zoning of the site from R2 Low Density Residential to R3 Medium Density Residential;
- increasing the maximum building height control of the site from 9.5m to 10.5m; and
- applying an FSR control of 1:1 to the site (no FSR control currently applies).

**Exhibition period:** Wednesday 18 October to Friday 17 November 2017.

---

### **3. NAMES OF RELEVANT DEVELOPMENT CONTROL PLANS**

The following table contains a list of development control plans that have been prepared by Council under Division 6 of Part 3 of the *Environmental Planning and Assessment Act 1979* (including any made by the Council under section 72 of the Act before repeal of that section). Please check the table to see the relevancy of the plans to the land that is the subject of this certificate.

(a) The following development control plan applies to the land:

**Woollahra Development Control Plan 2015 (commenced 23 May 2015)**

---

### **4. NAMES OF RELEVANT DEVELOPMENT CONTROL PLANS PREPARED BY THE DIRECTOR GENERAL**

The following development control plans have been prepared by the Director-General under Division 6 of Part 3 of the *Environmental Planning and Assessment Act 1979* (including any made by the Director-General under section 51A, before the repeal of that section).

**Sydney Harbour Foreshores and Waterways Area Development Control Plan 2005**

**This DCP applies to certain land within the Woollahra Municipality being land within the Foreshores and Waterways area identified on the Sydney Regional Environmental Plan (Sydney Harbour Catchment) Foreshores and Waterways Area Map.**

---

### **5. NAMES OF RELEVANT STATE ENVIRONMENTAL PLANNING POLICIES**

Below is a list of all State environmental planning policies that apply to the Woollahra Municipality.

Depending on circumstances set down in each SEPP, the policy may be specifically applicable to the land that is the subject of this certificate. You are advised to peruse the policy for the necessary details. Refer to NSW Department of Planning and Environment.

- State Environmental Planning Policy No. 1 – Development Standards
- State Environmental Planning Policy No. 19 – Bushland in Urban Areas
- State Environmental Planning Policy No. 21 – Caravan Parks
- State Environmental Planning Policy No. 30 – Intensive Agriculture
- State Environmental Planning Policy No. 32 – Urban Consolidation (Redevelopment of Urban Land)
- State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
- State Environmental Planning Policy No. 50 – Canal Estate Development
- State Environmental Planning Policy No. 55 – Remediation of Land



- State Environmental Planning Policy No. 64 – Advertising and Signage
- State Environmental Planning Policy No. 65 – Design Quality of Residential Apartment Development
- State Environmental Planning Policy No. 71 – Coastal Protection
- State Environmental Planning Policy (Affordable Rental Housing) 2009
- State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
- State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017
- State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
- State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004
- State Environmental Planning Policy (Infrastructure) 2007
- State Environmental Planning Policy (Major Development) 2005
- State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
- State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007
- State Environmental Planning Policy (State and Regional Development) 2011
- State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017

Deemed SEPPs:

- Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005  
This REP applies to all land within the Woollahra Municipality except for land at Christison Park, Vacluse as shown on the Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005 Sydney Harbour Catchment Map

---

## 6. NAMES OF PROPOSED STATE ENVIRONMENTAL PLANNING POLICIES

The following proposed State Environmental Planning Policies have been the subject of community consultation or on public exhibition under the *Environmental Planning and Assessment Act 1979* (unless the Director-General has notified Council that the making of the proposed instrument has been deferred indefinitely or has not been approved.)

**There are currently no proposed State Environmental Planning Policies applying to the land.**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 7. COMPLYING DEVELOPMENT

Is the land, land on which complying development may be carried out under the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* ?

### General Housing Code

Complying development under the General Housing Code may not be carried out on the land because it is land identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

### **Rural Housing Code**

Rural Housing Code is not applicable to Woollahra Local Government Area.

### **Housing Alterations Code**

Complying development under the Housing Alterations Code may be carried out on the land.  
Development standards apply.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

### **General Development Code**

Complying development under the General Development Code may be carried out on the land.  
Development standards apply.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

### **Commercial and Industrial Alterations Code**

Complying development under the Commercial and Industrial Alterations Code may be carried out on the land. Development standards apply.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

### **Commercial and Industrial (New Buildings and Additions) Code**

Complying development under the Commercial and Industrial (New Buildings and Additions) Code may not be carried out on the land because it is land identified on an Acid Sulfate Soils Map as being Class 1 or Class 2.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

### **Subdivisions Code**

Complying development under the Subdivisions Code may be carried out on the land.  
Development standards apply.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

### **Demolition Code**

Complying development under the Demolition Code may be carried out on the land. Development standards apply.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

### **Fire Safety Code**

Complying development under the Fire Safety Code may be carried out on the land. Development standards apply.

Refer to the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 for full details.

---

## 8. COASTAL PROTECTION

Is the land affected by the operation of section 38 or 39 of the *Coastal Protection Act 1979*, but only to the extent that Council has been so notified by the Department of Services, Technology and Administration?

No

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 8A. CERTAIN INFORMATION RELATING TO BEACHES AND COASTS

Has the council been notified under section 55X of the *Coastal Protection Act 1979* that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land)?

No

**Disclaimer:** These statements are based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 8B. ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS

Has the owner (or any previous owner) of the land consented in writing to the land being subject to annual charges under section 496B of the *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act)?

No

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council. If the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 9. MINE SUBSIDENCE

Is the land proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*?

No

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

## 10. ROAD WIDENING OR ROAD REALIGNMENT

Is the land affected by any road widening or road realignment under:

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

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

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

Is the land affected by a policy:

- (a) adopted by the Council that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulfate soils or any other risk (other than flooding)?

**Yes**

**Woollahra LEP 2014, clause 6.1 (Acid sulfate soils) may require an assessment of acid sulfate soils for certain types of development located on certain land identified on the Acid Sulfate Soils Map of the LEP.**

**Woollahra DCP 2015 includes a policy on contaminated land which may restrict the development of the land. This policy is implemented when zoning or land use changes are proposed on lands which have previously been used for certain purposes. Applicants must consider Council's DCP as well as State legislation including the State Environmental Planning Policy No. 55 – Remediation of Land.**

- (b) adopted by any other public authority and notified to the Council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the Council, that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulfate soils or any other risk (other than flooding)?

**No**

## 12. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION

- (a) Is development on the land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) subject to flood related development controls?

**Yes.**

**Part or all of the subject land may be subject to flood related development controls, applicants are advised to inspect relevant flood reports and consult with Council's Technical Services Department. Further flood investigations may be required to accurately determine the nature of flooding on the site.**

- (b) Is development on the land or part of the land for any other purpose subject to flood related development controls?

Yes.

**Part or all of the subject land may be subject to flood related development controls, applicants are advised to inspect relevant flood reports and consult with Council's Technical Services Department. Further flood investigations may be required to accurately determine the nature of flooding on the site.**

**Note:** Words and expressions used in this item have the same meanings as in the instrument set out in the Schedule to the *Standard Instrument (Local Environmental Plans) Order 2006*.

---

### 13. LAND RESERVED FOR ACQUISITION

Does an environmental planning instrument or proposed environmental planning instrument applying to the land make provision in relation to the acquisition of the land by a public authority, as referred to in section 27 of the *Environmental Planning and Assessment Act 1979* ?

No

---

### 14. CONTRIBUTIONS PLAN

The following contributions plan may apply to the land:

- Woollahra Section 94A Development Contributions Plan 2011 (31 August 2011)
- Woollahra Section 94 Contributions Plan (31 March 2003).

---

### 15. BIODIVERSITY CERTIFIED LAND

Is the land biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016*?

No

---

### 16. BIODIVERSITY STEWARDSHIP SITES

Is the land a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016*?

No

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 17. NATIVE VEGETATION CLEARING SET ASIDES

Does the land contain a set aside area under section 60ZC of the *Local Land Services Act 2013*?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 18. BUSH FIRE PRONE LAND

Is the land to which this certificate relates bush fire prone land?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 19. PROPERTY VEGETATION PLANS

Is the land the subject of a property vegetation plan approved under Part 4 of the *Native Vegetation Act 2003* (and that continues in force) ?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

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

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

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 21. DIRECTIONS UNDER PART 3A

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

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.



---

## 22. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS

Is there a current site compatibility certificate (seniors housing), of which the Council is aware ?

**No**

Are there any terms of a kind referred to in clause 18(2) of *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004* that have been imposed as a condition of consent to a development application granted after 11 October 2007?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 23. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE, SCHOOLS OR TAFE ESTABLISHMENTS

Is there a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the Council is aware ?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 24. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE HOUSING

Is there a current site compatibility certificate (affordable rental housing), of which the Council is aware ?

**No**

Are there any terms of a kind referred to in clause 17(1) or 37(1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* that have been imposed as a condition of consent to a development application in respect of the land?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 25. PAPER SUBDIVISION INFORMATION

Is there a development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot?

**No**

---

## 26. SITE VERIFICATION CERTIFICATE

Is there a current site verification certificate of which this council is aware?

No

**Note:** A site verification certificate sets out the Director-General's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land – see Division 3 of Part 4AA of *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*

---

## 27. MATTERS ARISING UNDER THE CONTAMINATED LAND MANAGEMENT ACT 1997

- (a) Is the land (or part of the land) to which this certificate relates significantly contaminated land?

No

- (b) Is the land to which this certificate relates subject to a management order?

No

- (c) Is the land to which this certificate relates the subject of an approved voluntary management proposal?

No

- (d) Is the land to which this certificate relates subject to an ongoing maintenance order?

No

- (e) Is the land to which this certificate relates the subject of a site audit statement?

No

**Note:** These matters are prescribed by section 59 (2) of the *Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate. Section 53B requires site auditors to furnish local authorities with copies of audit statements relating to site audits for the purposes of statutory requirements.

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## 28. LOOSE-FILL ASBESTOS INSULATION

Does the land include any residential premises (within the meaning of Division 1A of Part 8 of the *Home Building Act 1989*) listed on the register that is required to be maintained under that Division.

No

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

## **29. AFFECTED BUILDING NOTICES AND BUILDING PRODUCT RECTIFICATION ORDERS**

(a) Is there any affected building notice in force in respect of the land?

**No**

(b) Is there any building product rectification order in force in respect of the land that has not been fully complied with?

**No**

(c) Is there any outstanding notice of intention to make a building product rectification order?

**No**

**Note:** *affected building notice* has the same meaning as in Part 4 of the *Building Products (Safety) Act 2017*.  
*building product rectification* order has the same meaning as in the *Building Products (Safety) Act 2017*.

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

## SECTION 10.7(5) DETAILS

This certificate is directed to the following relevant matters affecting the land.

**Note :** When information pursuant to section 10.7(5) is requested the Council is under no obligation to furnish any of the information supplied herein pursuant to that section.

Council draws your attention to section 10.7(6), which states that a Council shall not incur any liability in respect of any advice provided in good faith pursuant to sub-section (5). The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this planning certificate.

---

### 1. OTHER CONTROLS FROM WOOLLAHRA LOCAL ENVIRONMENTAL PLAN 2014

- a) What is the maximum size of any lot resulting from a subdivision of land (as shown on the Lot Size Map)? Refer to clause 4.1 Minimum subdivision lot size.

**No minimum lot size applies**

- b) Is the land affected by a foreshore building line (as shown on the Foreshore Building Line Map)? Refer to clause 6.4 Limited development on foreshore areas.

**No**

---

### 2. STATE HERITAGE REGISTER ITEMS

Is the land identified under the provisions of the *Heritage Act 1977*?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

### 3. COMMONWEALTH HERITAGE LIST

Is the land identified as a Commonwealth Heritage Place under the provisions of the *Environment Protection and Biodiversity Conservation Act 1999*?

**No**

**Disclaimer:** This statement is based on information supplied by a third party public authority. The accuracy of this information has not been verified by Woollahra Council and if the information is vital for the proposed end use, then it should be verified by the applicant.

---

#### 4. RESOLUTION OF COUNCIL TO PREPARE A PLANNING PROPOSAL FOR A LOCAL ENVIRONMENTAL PLAN

A list of Council decisions to prepare a planning proposal for a local environmental plan is provided below. These planning proposals have not been exhibited under section 57 of the *Environmental Planning and Assessment Act 1979*.

**Properties affected:** Nil

---

#### 5. COASTAL HAZARDS

An Estuary Planning Levels Report (August 2014) by Cardno is a supporting document to the Woollahra Development Control Plan 2015.

The Estuary Planning Levels Report identifies:

- foreshore properties which may be subject to current coastal inundation risks caused by local wind and wave setup, and/or wave run-up/overtopping; and
- foreshore properties which may be subject to future coastal inundation risks caused by sea level rise.

The report recommends planning controls to minimise the effects of coastal inundation risks. The Report can be inspected at Council or on Council's website.

---

#### 6. RESOLUTIONS OF COUNCIL RELATING TO HERITAGE LISTINGS OR CONTRIBUTORY ITEMS IN DEVELOPMENT CONTROL PLANS

**Properties affected:** See terms of resolution

**Date of decision:** 27 November 2006

**Relevant terms of resolution:**

- E. That pending gazettal of the following properties as local heritage items in Woollahra Local Environmental Plan 1995, further investigation be undertaken to determine if a nomination to the State Heritage Register should be prepared:

|                      |                   |           |              |
|----------------------|-------------------|-----------|--------------|
| <i>Cooper Street</i> | <i>Paddington</i> | <i>8A</i> | <i>House</i> |
|----------------------|-------------------|-----------|--------------|

---

**Property affected:** See terms of resolution

**Date of decision:** 18 December 2006

**Relevant terms of the resolution:**

- D. That pending gazettal of the following property as local heritage item in Woollahra Local Environmental Plan 1995, further investigation be undertaken to determine if a nomination to the State Heritage Register should be prepared:

|                       |                    |          |              |
|-----------------------|--------------------|----------|--------------|
| <i>Dunara Gardens</i> | <i>Point Piper</i> | <i>4</i> | <i>House</i> |
|-----------------------|--------------------|----------|--------------|

---

**Property affected:** Cooper Park in the suburbs of Bellevue Hill and Woollahra

**Date of decision:** 27 November 2017

**Relevant terms of the resolution:**

THAT Council requests staff to prepare and submit a report including a heritage assessment and draft heritage inventory sheet for Cooper Park to Urban Planning Committee to facilitate Cooper Park (and its elements) being:

1. included in the Woollahra Local Environmental Plan as a heritage item; and
2. listed as a heritage item of state significance on the NSW State Heritage Register.

---

**Property affected:** 518A Old South Head Road, Rose Bay

**Date of decision:** 18 December 2017

**Relevant terms of the resolution:**

*Item No: 11.2*

THAT Council explore the Heritage Listing of Rose Bay Church and Hall on the corner of Old South Head Road and Dover Road, Rose Bay.

*Item No: 11.3*

That Council requests staff to prepare and submit a report including a heritage assessment and draft heritage inventory sheet for Rose Bay Uniting Church and Wesley Hall (having their primary address at 518a Old South Head Road, Rose Bay) to the Urban Planning Committee to facilitate the Rose Bay Uniting Church and Wesley Hall (and its elements) being:

- i) include in the Woollahra Local Environmental Plan as a heritage item; and
- ii) listed as a heritage item of state significance on the NSW State Heritage Register.

---

## **7. DRAFT WATSONS BAY FLOOD RISK MANAGEMENT STUDY AND PLAN (MAY 2016)**

The Draft Watsons Bay Flood Risk Management Study and Plan (May 2016) has been prepared in accordance with the NSW Floodplain Development Manual. The Draft Plan aims to provide solutions to existing flooding problems and ensure that new development is compatible with the flood hazard and does not create additional flooding problems.

The Woollahra Local Environmental Plan 2014 maps land that is identified as flood planning area, and is therefore subject to the controls in Cl 6.3 flood planning. The Draft Plan includes additional properties in Watsons Bay that are in the flood planning area.



These properties are: **14-16, 18-25 Cliff Street; 1-2, 43 Cove Street; HMAS Watson (Lot 3 DP 605078); 1-2, 6-7, 11-12, 10-24 Marine Parade; 31, 33 Pacific Street; Robertson Park (22 Military Road); 2 Short Street; Sydney Harbour National Park (Lot 1, 2 DP 605078) and 25 Victoria Street.**

The Draft Plan includes the following properties that are not identified as flood planning area: **1, 3, 5, 7 Victoria Street and 29 Cliff Street.**

The report can be inspected at Council or on Council's website. For further information contact Council's engineer.

---

**Should the applicant require further information about any other matter please contact Council's Planning and Development Division.**



Anne White  
per:  
**Gary James**  
**General Manager**



## **SafeWork NSW Information**

PD



13 APR 2018

SafeWork NSW

Locked Bag 2906, Lisarow NSW 2252

Customer Experience 13 10 50

ABN 81 913 830 179 | [www.safework.nsw.gov.au](http://www.safework.nsw.gov.au)

Our Ref: D18/098747

Your Ref: Priya Dass

6 April 2018

Attention: Priya Dass  
Environmental Investigation Services  
PO BOX 976  
North Ryde BC NSW 1670

Dear Mr Dass

**RE SITE: 19-27 Cross St Double Bay NSW**

I refer to your site search request received by SafeWork NSW on 21 March 2018 requesting information on Storage of Hazardous Chemicals for the above site.

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

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

Yours sincerely

  
Customer Service Officer  
Customer Experience - Operations  
SafeWork NSW

---

## **Appendix D**

---

Laboratory Certificates of Analysis

Chain of Custody Documentation

Sample Receipt Advice

## CERTIFICATE OF ANALYSIS 192237

### Client Details

|                  |                                       |
|------------------|---------------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd              |
| <b>Attention</b> | Konrad Schultz, Jeremie Young         |
| <b>Address</b>   | 96 Hermitage Rd, West Ryde, NSW, 2114 |

### Sample Details

|   |  |
|---|--|
| <b>Your Reference</b>                       | <b><u>86397.00, 19-27 Cross St, Double Bay</u></b> |
| <b>Number of Samples</b>                    | 11 Soil  |
| <b>Date samples received</b>                | 22/05/2018   |
| <b>Date completed instructions received</b> | 22/05/2018   |

### Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.  
Samples were analysed as received from the client. Results relate specifically to the samples as received.  
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### Report Details

|   |            |
|---|------------|
| <b>Date results requested by</b>  | 29/05/2018 |
| <b>Date of Issue</b>  | 29/05/2018 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### Results Approved By

Nick Sarlamis, Inorganics Supervisor

#### Authorised By



Jacinta Hurst, Laboratory Manager

| sPOCAS field test                        |          |            |            |            |            |            |
|--|----------|------------|------------|------------|------------|------------|
| Our Reference                            | UNITS    | 192237-1   | 192237-2   | 192237-3   | 192237-4   | 192237-5   |
| Your Reference                           |          | BH1        | BH1        | BH1        | BH1        | BH2        |
| Depth                                    |          | 0.3-0.4    | 0.7-0.8    | 0.9-1      | 1.4-1.5    | 1-1.1      |
| Date Sampled                             |          | 17/05/2018 | 17/05/2018 | 17/05/2018 | 17/05/2018 | 18/05/2018 |
| Type of sample                           |          | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                            | -        | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 |
| Date analysed                            | -        | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 |
| pH <sub>F</sub> (field pH test)*         | pH Units | 7.8        | 7.7        | 7.4        | 7.5        | 9.8        |
| pH <sub>FOX</sub> (field peroxide test)* | pH Units | 7.6        | 5.0        | 6.0        | 6.7        | 10.1       |
| Reaction Rate*                           | -        | Moderate   | Slight     | Slight     | Slight     | Slight     |

| sPOCAS field test                        |          |            |            |            |            |            |
|--|----------|------------|------------|------------|------------|------------|
| Our Reference                            | UNITS    | 192237-6   | 192237-7   | 192237-8   | 192237-9   | 192237-10  |
| Your Reference                           |          | BH3        | BH3        | BH3        | BH3        | BH3        |
| Depth                                    |          | 0.2-0.25   | 0.5-0.6    | 0.9-1.0    | 1.4-1.5    | 2-2.1      |
| Date Sampled                             |          | 18/05/2018 | 18/05/2018 | 18/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample                           |          | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                            | -        | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 |
| Date analysed                            | -        | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 | 22/05/2018 |
| pH <sub>F</sub> (field pH test)*         | pH Units | 9.1        | 7.0        | 6.1        | 6.9        | 7.1        |
| pH <sub>FOX</sub> (field peroxide test)* | pH Units | 8.8        | 2.9        | 3.6        | 5.4        | 3.6        |
| Reaction Rate*                           | -        | Moderate   | Slight     | Slight     | Slight     | Slight     |

| sPOCAS field test                        |          |            |
|--|----------|------------|
| Our Reference                            | UNITS    | 192237-11  |
| Your Reference                           |          | BH3        |
| Depth                                    |          | 2.5-2.6    |
| Date Sampled                             |          | 18/05/2018 |
| Type of sample                           |          | Soil       |
| Date prepared                            | -        | 22/05/2018 |
| Date analysed                            | -        | 22/05/2018 |
| pH <sub>F</sub> (field pH test)*         | pH Units | 7.4        |
| pH <sub>FOX</sub> (field peroxide test)* | pH Units | 3.7        |
| Reaction Rate*                           | -        | Slight     |



| Method ID | Methodology Summary   |
|-----------|---|
| Inorg-063 | pH- measured using pH meter and electrode. Soil is oxidised with Hydrogen Peroxide or extracted with water. Based on section H, Acid Sulfate Soils Laboratory Methods Guidelines, Version 2.1 - June 2004. To ensure accurate results these tests are recommended to be done in the field as pH may change with time thus these results may not be representative of true field conditions. |

| Result Definitions |   |
|--------------------|---|
| <b>NT</b>          | Not tested                                |
| <b>NA</b>          | Test not required                         |
| <b>INS</b>         | Insufficient sample for this test         |
| <b>PQL</b>         | Practical Quantitation Limit              |
| <b>&lt;</b>        | Less than                                 |
| <b>&gt;</b>        | Greater than                              |
| <b>RPD</b>         | Relative Percent Difference               |
| <b>LCS</b>         | Laboratory Control Sample                 |
| <b>NS</b>          | Not specified                             |
| <b>NEPM</b>        | National Environmental Protection Measure |
| <b>NR</b>          | Not Reported                              |

| Quality Control Definitions  |  |
|--|--|
| <b>Blank</b>   | 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.           |
| <b>Duplicate</b>   | 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.   |
| <b>Matrix Spike</b>  | 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. |
| <b>LCS (Laboratory Control Sample)</b>   | 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.                                |
| <b>Surrogate Spike</b>   | 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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

| Project No: 8639700   |        | Suburb: DOUBLE BAY  |             | To: <del>Herbstone</del> <b>EnviroLab Services</b> |                                     |                                     |   |
|---|--------|---|-------------|--|-------------------------------------|-------------------------------------|---|
| Project Name: 19-27 CROSS ST, DOUBLE BAY  |        | Order Number  |             | 12 Ashley St                                       |                                     |                                     |   |
| Project Manager: Konrad Schultz   |        | Sampler: Jeremie Young  |             | Attn: AILEEN HIE                                   |                                     |                                     |   |
| Emails: Konrad.schultz@douglaspartners.com.au / jeremie.young@douglaspartners.com.au  |        | 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>  |             | Phone:   |                                     |                                     |   |
| Date Required: Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> |        | Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID) |             | Email:   |                                     |                                     |   |
| Prior Storage: <input checked="" type="checkbox"/> Esky <input checked="" type="checkbox"/> Fridge <input type="checkbox"/> Shelved   |        | Analytes  |             | Notes/preservation                                 |                                     |                                     |   |
| Sample ID   | Lab ID | Date Sampled  | Sample Type | Container Type                                     | PA.S.S. Screening                   | Chromium Suite                      |   |
| BH1 0.3-0.4m  | 1      | 17-5-18   | S - soil    | G - glass  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | PA.S.S. Screening   |
| BH1 0.7-0.8m  | 2      | 17-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH1 0.9-1m  | 3      | 17-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH1 1.4-1.5m  | 4      | 17-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH2 1-1.1m  | 5      | 18-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH3 0.2-0.25m   | 6      | 18-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH3 0.5-0.6m  | 7      | 18-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH3 0.9-1m  | 8      | 18-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH3 1.4-1.5m  | 9      | 18-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH3 2-2.1m  | 10     | 18-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| BH3 2.5-2.6m  | 11     | 18-5-18   | S           | G/P  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
|   |        |   |             |  |                                     |                                     |   |
|   |        |   |             |  |                                     |                                     |   |
|   |        |   |             |  |                                     |                                     |   |
|   |        |   |             |  |                                     |                                     |   |
|   |        |   |             |  |                                     |                                     |   |
|   |        |   |             |  |                                     |                                     |   |
| PQL (S) mg/kg   |        |   |             |  |                                     |                                     | ANZECC PQLs req'd for all water analytes <input type="checkbox"/> |
| PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit   |        |   |             |  |                                     |                                     |   |
| Metals to Analyse: 8HM unless specified here:   |        |   |             |  |                                     |                                     |   |
| Total number of samples in container:   |        | Relinquished by: JY   |             | Transported to laboratory by:                      |                                     | Lab Report/Reference No:            |   |
| Send Results to: Douglas Partners Pty Ltd   |        | Address 96 HERMITAGE RD, WEST RYDE, 2114  |             | Phone:   |                                     | Fax:                                |   |
| Signed: <i>Young</i>  |        | Received by:  |             | Date & Time: 22/5                                  |                                     | 11:45                               |   |

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

Job No: 19237  
Date Received: 22/5  
Time Received: 11:45  
Received By: JZ  
Temp: Cool Ambient  
Cooling: Ice/Canpack  
Security: Intact/Broken/None

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                               |
|------------------|-------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd      |
| <b>Attention</b> | Konrad Schultz, Jeremie Young |

### Sample Login Details

|   |                                      |
|---|--------------------------------------|
| <b>Your reference</b>                       | 86397.00, 19-27 Cross St, Double Bay |
| <b>Envirolab Reference</b>                  | 192237                               |
| <b>Date Sample Received</b>                 | 22/05/2018                           |
| <b>Date Instructions Received</b>           | 22/05/2018                           |
| <b>Date Results Expected to be Reported</b> | 29/05/2018                           |

### Sample Condition

|   |          |
|---|----------|
| <b>Samples received in appropriate condition for analysis</b> | YES      |
| <b>No. of Samples Provided</b>                                | 11 Soil  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 11.1     |
| <b>Cooling Method</b>   | Ice Pack |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*

| Sample ID    | sPOCAs field test |
|--------------|-------------------|
| BH1-0.3-0.4  | ✓                 |
| BH1-0.7-0.8  | ✓                 |
| BH1-0.9-1    | ✓                 |
| BH1-1.4-1.5  | ✓                 |
| BH2-1-1.1    | ✓                 |
| BH3-0.2-0.25 | ✓                 |
| BH3-0.5-0.6  | ✓                 |
| BH3-0.9-1.0  | ✓                 |
| BH3-1.4-1.5  | ✓                 |
| BH3-2-2.1    | ✓                 |
| BH3-2.5-2.6  | ✓                 |

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.

## **CERTIFICATE OF ANALYSIS 192237-A**

### **Client Details**

|                  |                                       |
|------------------|---------------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd              |
| <b>Attention</b> | Konrad Schultz, Jeremie Young         |
| <b>Address</b>   | 96 Hermitage Rd, West Ryde, NSW, 2114 |

### **Sample Details**

|   |  |
|---|--|
| <b>Your Reference</b>                       | <b><u>86397.00, 19-27 Cross St, Double Bay</u></b> |
| <b>Number of Samples</b>                    | 12 Soil  |
| <b>Date samples received</b>                | 22/05/2018   |
| <b>Date completed instructions received</b> | 24/05/2018   |

### **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**

|   |            |
|---|------------|
| <b>Date results requested by</b>  | 31/05/2018 |
| <b>Date of Issue</b>  | 30/05/2018 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Asbestos Approved By**

Analysed by Asbestos Approved Identifier: Jessica Hie  
 Authorised by Asbestos Approved Signatory: Lucy Zhu

#### **Results Approved By**

Diego Bigolin, Team Leader, Inorganics  
 Dragana Tomas, Senior Chemist  
 Ken Nguyen, Senior Chemist  
 Lucy Zhu, Asbestos Analyst  
 Steven Luong, Senior Chemist

#### **Authorised By**



Jacinta Hurst, Laboratory Manager



| vTRH(C6-C10)/BTEXN in Soil                           |       |            |            |            |            |            |
|--|-------|------------|------------|------------|------------|------------|
| Our Reference  |       | 192237-A-1 | 192237-A-2 | 192237-A-5 | 192237-A-6 | 192237-A-7 |
| Your Reference                                       | UNITS | BH1        | BH1        | BH2        | BH3        | BH3        |
| Depth  |       | 0.3-0.4    | 0.7-0.8    | 1-1.1      | 0.2-0.25   | 0.5-0.6    |
| Date Sampled   |       | 17/05/2018 | 17/05/2018 | 18/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample                                       |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                                       | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed  | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| TRH C <sub>6</sub> - C <sub>9</sub>                  | mg/kg | <25        | <25        | <25        | <25        | <25        |
| TRH C <sub>6</sub> - C <sub>10</sub>                 | mg/kg | <25        | <25        | <25        | <25        | <25        |
| vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | mg/kg | <25        | <25        | <25        | <25        | <25        |
| Benzene  | mg/kg | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       |
| Toluene  | mg/kg | <0.5       | <0.5       | <0.5       | <0.5       | <0.5       |
| Ethylbenzene   | mg/kg | <1         | <1         | <1         | <1         | <1         |
| m+p-xylene   | mg/kg | <2         | <2         | <2         | <2         | <2         |
| o-Xylene   | mg/kg | <1         | <1         | <1         | <1         | <1         |
| naphthalene  | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Total +ve Xylenes                                    | mg/kg | <1         | <1         | <1         | <1         | <1         |
| Surrogate aaa-Trifluorotoluene                       | %     | 115        | 123        | 108        | 127        | 121        |

| vTRH(C6-C10)/BTEXN in Soil                           |       |            |                      |
|--|-------|------------|----------------------|
| Our Reference  |       | 192237-A-9 | 192237-A-12          |
| Your Reference                                       | UNITS | BH3        | BH1 Replicate sample |
| Depth  |       | 1.4-1.5    | 0.7-0.8              |
| Date Sampled   |       | 18/05/2018 | 17/05/2018           |
| Type of sample                                       |       | Soil       | Soil                 |
| Date extracted                                       | -     | 25/05/2018 | 25/05/2018           |
| Date analysed  | -     | 25/05/2018 | 25/05/2018           |
| TRH C <sub>6</sub> - C <sub>9</sub>                  | mg/kg | <25        | <25                  |
| TRH C <sub>6</sub> - C <sub>10</sub>                 | mg/kg | <25        | <25                  |
| vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | mg/kg | <25        | <25                  |
| Benzene  | mg/kg | <0.2       | <0.2                 |
| Toluene  | mg/kg | <0.5       | <0.5                 |
| Ethylbenzene   | mg/kg | <1         | <1                   |
| m+p-xylene   | mg/kg | <2         | <2                   |
| o-Xylene   | mg/kg | <1         | <1                   |
| naphthalene  | mg/kg | <1         | <1                   |
| Total +ve Xylenes                                    | mg/kg | <1         | <1                   |
| Surrogate aaa-Trifluorotoluene                       | %     | 118        | 117                  |

| svTRH (C10-C40) in Soil                                      |       |            |            |            |            |            |
|--|-------|------------|------------|------------|------------|------------|
| Our Reference  |       | 192237-A-1 | 192237-A-2 | 192237-A-5 | 192237-A-6 | 192237-A-7 |
| Your Reference   | UNITS | BH1        | BH1        | BH2        | BH3        | BH3        |
| Depth  |       | 0.3-0.4    | 0.7-0.8    | 1-1.1      | 0.2-0.25   | 0.5-0.6    |
| Date Sampled   |       | 17/05/2018 | 17/05/2018 | 18/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample   |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted   | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed  | -     | 26/05/2018 | 26/05/2018 | 26/05/2018 | 26/05/2018 | 26/05/2018 |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | mg/kg | <50        | <50        | <50        | <50        | <50        |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | mg/kg | <100       | <100       | <100       | <100       | <100       |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | mg/kg | <100       | <100       | <100       | <100       | <100       |
| TRH >C <sub>10</sub> -C <sub>16</sub>                        | mg/kg | <50        | <50        | <50        | <50        | <50        |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | mg/kg | <50        | <50        | <50        | <50        | <50        |
| TRH >C <sub>16</sub> -C <sub>34</sub>                        | mg/kg | <100       | <100       | <100       | <100       | <100       |
| TRH >C <sub>34</sub> -C <sub>40</sub>                        | mg/kg | <100       | <100       | <100       | <100       | <100       |
| Total +ve TRH (>C10-C40)                                     | mg/kg | <50        | <50        | <50        | <50        | <50        |
| Surrogate o-Terphenyl  | %     | 101        | 100        | 105        | 104        | 107        |

| svTRH (C10-C40) in Soil                                      |       |            |                      |
|--|-------|------------|----------------------|
| Our Reference  |       | 192237-A-9 | 192237-A-12          |
| Your Reference   | UNITS | BH3        | BH1 Replicate sample |
| Depth  |       | 1.4-1.5    | 0.7-0.8              |
| Date Sampled   |       | 18/05/2018 | 17/05/2018           |
| Type of sample   |       | Soil       | Soil                 |
| Date extracted   | -     | 25/05/2018 | 25/05/2018           |
| Date analysed  | -     | 26/05/2018 | 26/05/2018           |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | mg/kg | <50        | <50                  |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | mg/kg | <100       | <100                 |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | mg/kg | <100       | <100                 |
| TRH >C <sub>10</sub> -C <sub>16</sub>                        | mg/kg | <50        | <50                  |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | mg/kg | <50        | <50                  |
| TRH >C <sub>16</sub> -C <sub>34</sub>                        | mg/kg | <100       | <100                 |
| TRH >C <sub>34</sub> -C <sub>40</sub>                        | mg/kg | <100       | <100                 |
| Total +ve TRH (>C10-C40)                                     | mg/kg | <50        | <50                  |
| Surrogate o-Terphenyl  | %     | 102        | 101                  |

| PAHs in Soil                   |       |            |            |            |            |            |
|--------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                  |       | 192237-A-1 | 192237-A-2 | 192237-A-5 | 192237-A-6 | 192237-A-7 |
| Your Reference                 | UNITS | BH1        | BH1        | BH2        | BH3        | BH3        |
| Depth                          |       | 0.3-0.4    | 0.7-0.8    | 1-1.1      | 0.2-0.25   | 0.5-0.6    |
| Date Sampled                   |       | 17/05/2018 | 17/05/2018 | 18/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample                 |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date extracted                 | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed                  | -     | 28/05/2018 | 28/05/2018 | 28/05/2018 | 28/05/2018 | 28/05/2018 |
| Naphthalene                    | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthylene                 | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Acenaphthene                   | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluorene                       | mg/kg | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       |
| Phenanthrene                   | mg/kg | 0.5        | <0.1       | <0.1       | <0.1       | <0.1       |
| Anthracene                     | mg/kg | 0.2        | <0.1       | <0.1       | <0.1       | <0.1       |
| Fluoranthene                   | mg/kg | 1.7        | <0.1       | <0.1       | <0.1       | <0.1       |
| Pyrene                         | mg/kg | 1.7        | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(a)anthracene             | mg/kg | 1.1        | <0.1       | <0.1       | <0.1       | <0.1       |
| Chrysene                       | mg/kg | 0.8        | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(b,j+k)fluoranthene       | mg/kg | 2          | <0.2       | <0.2       | <0.2       | <0.2       |
| Benzo(a)pyrene                 | mg/kg | 1.1        | <0.05      | <0.05      | <0.05      | <0.05      |
| Indeno(1,2,3-c,d)pyrene        | mg/kg | 0.5        | <0.1       | <0.1       | <0.1       | <0.1       |
| Dibenzo(a,h)anthracene         | mg/kg | 0.1        | <0.1       | <0.1       | <0.1       | <0.1       |
| Benzo(g,h,i)perylene           | mg/kg | 0.6        | <0.1       | <0.1       | <0.1       | <0.1       |
| Total +ve PAH's                | mg/kg | 10         | <0.05      | <0.05      | <0.05      | <0.05      |
| Benzo(a)pyrene TEQ calc (zero) | mg/kg | 1.6        | <0.5       | <0.5       | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(half)  | mg/kg | 1.6        | <0.5       | <0.5       | <0.5       | <0.5       |
| Benzo(a)pyrene TEQ calc(PQL)   | mg/kg | 1.6        | <0.5       | <0.5       | <0.5       | <0.5       |
| Surrogate p-Terphenyl-d14      | %     | 112        | 106        | 114        | 107        | 110        |

| PAHs in Soil                      |       |            |                      |
|-----------------------------------|-------|------------|----------------------|
| Our Reference                     |       | 192237-A-9 | 192237-A-12          |
| Your Reference                    | UNITS | BH3        | BH1 Replicate sample |
| Depth                             |       | 1.4-1.5    | 0.7-0.8              |
| Date Sampled                      |       | 18/05/2018 | 17/05/2018           |
| Type of sample                    |       | Soil       | Soil                 |
| Date extracted                    | -     | 25/05/2018 | 25/05/2018           |
| Date analysed                     | -     | 28/05/2018 | 28/05/2018           |
| Naphthalene                       | mg/kg | <0.1       | <0.1                 |
| Acenaphthylene                    | mg/kg | <0.1       | <0.1                 |
| Acenaphthene                      | mg/kg | <0.1       | <0.1                 |
| Fluorene                          | mg/kg | <0.1       | <0.1                 |
| Phenanthrene                      | mg/kg | <0.1       | <0.1                 |
| Anthracene                        | mg/kg | <0.1       | <0.1                 |
| Fluoranthene                      | mg/kg | 0.2        | <0.1                 |
| Pyrene                            | mg/kg | 0.2        | <0.1                 |
| Benzo(a)anthracene                | mg/kg | <0.1       | <0.1                 |
| Chrysene                          | mg/kg | <0.1       | <0.1                 |
| Benzo(b,j+k)fluoranthene          | mg/kg | <0.2       | <0.2                 |
| Benzo(a)pyrene                    | mg/kg | 0.06       | <0.05                |
| Indeno(1,2,3-c,d)pyrene           | mg/kg | <0.1       | <0.1                 |
| Dibenzo(a,h)anthracene            | mg/kg | <0.1       | <0.1                 |
| Benzo(g,h,i)perylene              | mg/kg | <0.1       | <0.1                 |
| Total +ve PAH's                   | mg/kg | 0.4        | <0.05                |
| Benzo(a)pyrene TEQ calc (zero)    | mg/kg | <0.5       | <0.5                 |
| Benzo(a)pyrene TEQ calc(half)     | mg/kg | <0.5       | <0.5                 |
| Benzo(a)pyrene TEQ calc(PQL)      | mg/kg | <0.5       | <0.5                 |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 98         | 112                  |

| Organophosphorus Pesticides |       |            |            |            |
|-----------------------------|-------|------------|------------|------------|
| Our Reference               |       | 192237-A-1 | 192237-A-5 | 192237-A-6 |
| Your Reference              | UNITS | BH1        | BH2        | BH3        |
| Depth                       |       | 0.3-0.4    | 1-1.1      | 0.2-0.25   |
| Date Sampled                |       | 17/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample              |       | Soil       | Soil       | Soil       |
| Date extracted              | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed               | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Azinphos-methyl (Guthion)   | mg/kg | <0.1       | <0.1       | <0.1       |
| Bromophos-ethyl             | mg/kg | <0.1       | <0.1       | <0.1       |
| Chlorpyrifos                | mg/kg | <0.1       | <0.1       | <0.1       |
| Chlorpyrifos-methyl         | mg/kg | <0.1       | <0.1       | <0.1       |
| Diazinon                    | mg/kg | <0.1       | <0.1       | <0.1       |
| Dichlorvos                  | mg/kg | <0.1       | <0.1       | <0.1       |
| Dimethoate                  | mg/kg | <0.1       | <0.1       | <0.1       |
| Ethion                      | 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       |
| Parathion                   | mg/kg | <0.1       | <0.1       | <0.1       |
| Ronnel                      | mg/kg | <0.1       | <0.1       | <0.1       |
| Surrogate TCMX              | %     | 120        | 117        | 116        |

| Organochlorine Pesticides in soil |       |            |            |            |
|-----------------------------------|-------|------------|------------|------------|
| Our Reference                     |       | 192237-A-1 | 192237-A-5 | 192237-A-6 |
| Your Reference                    | UNITS | BH1        | BH2        | BH3        |
| Depth                             |       | 0.3-0.4    | 1-1.1      | 0.2-0.25   |
| Date Sampled                      |       | 17/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample                    |       | Soil       | Soil       | Soil       |
| Date extracted                    | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed                     | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| HCB                               | mg/kg | <0.1       | <0.1       | <0.1       |
| alpha-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       |
| gamma-BHC                         | mg/kg | <0.1       | <0.1       | <0.1       |
| beta-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       |
| pp-DDD                            | mg/kg | <0.1       | <0.1       | <0.1       |
| Endosulfan II                     | mg/kg | <0.1       | <0.1       | <0.1       |
| pp-DDT                            | mg/kg | <0.1       | <0.1       | <0.1       |
| Endrin Aldehyde                   | 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                    | %     | 120        | 117        | 116        |

| PCBs in Soil               |       |            |            |            |
|----------------------------|-------|------------|------------|------------|
| Our Reference              |       | 192237-A-1 | 192237-A-5 | 192237-A-6 |
| Your Reference             | UNITS | BH1        | BH2        | BH3        |
| Depth                      |       | 0.3-0.4    | 1-1.1      | 0.2-0.25   |
| Date Sampled               |       | 17/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample             |       | Soil       | Soil       | Soil       |
| Date extracted             | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed              | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| 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 TCLMX            | %     | 120        | 117        | 116        |



| Acid Extractable metals in soil |       |            |            |            |            |            |
|---------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference                   |       | 192237-A-1 | 192237-A-2 | 192237-A-5 | 192237-A-6 | 192237-A-7 |
| Your Reference                  | UNITS | BH1        | BH1        | BH2        | BH3        | BH3        |
| Depth                           |       | 0.3-0.4    | 0.7-0.8    | 1-1.1      | 0.2-0.25   | 0.5-0.6    |
| Date Sampled                    |       | 17/05/2018 | 17/05/2018 | 18/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample                  |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared                   | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed                   | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Arsenic                         | mg/kg | 7          | <4         | <4         | <4         | <4         |
| Cadmium                         | mg/kg | <0.4       | <0.4       | <0.4       | <0.4       | <0.4       |
| Chromium                        | mg/kg | 9          | 1          | <1         | 3          | <1         |
| Copper                          | mg/kg | 20         | <1         | 3          | 1          | <1         |
| Lead                            | mg/kg | 190        | 4          | <1         | 4          | <1         |
| Mercury                         | mg/kg | 0.5        | <0.1       | <0.1       | <0.1       | <0.1       |
| Nickel                          | mg/kg | 4          | <1         | <1         | 1          | <1         |
| Zinc                            | mg/kg | 94         | 4          | 2          | 2          | <1         |

| Acid Extractable metals in soil |       |            |                      |
|---------------------------------|-------|------------|----------------------|
| Our Reference                   |       | 192237-A-9 | 192237-A-12          |
| Your Reference                  | UNITS | BH3        | BH1 Replicate sample |
| Depth                           |       | 1.4-1.5    | 0.7-0.8              |
| Date Sampled                    |       | 18/05/2018 | 17/05/2018           |
| Type of sample                  |       | Soil       | Soil                 |
| Date prepared                   | -     | 25/05/2018 | 25/05/2018           |
| Date analysed                   | -     | 25/05/2018 | 25/05/2018           |
| Arsenic                         | mg/kg | <4         | <4                   |
| Cadmium                         | mg/kg | <0.4       | <0.4                 |
| Chromium                        | mg/kg | <1         | 1                    |
| Copper                          | mg/kg | <1         | <1                   |
| Lead                            | mg/kg | 2          | 3                    |
| Mercury                         | mg/kg | <0.1       | <0.1                 |
| Nickel                          | mg/kg | <1         | <1                   |
| Zinc                            | mg/kg | 5          | 4                    |

| Misc Soil - Inorg           |       |            |            |            |
|-----------------------------|-------|------------|------------|------------|
| Our Reference               |       | 192237-A-1 | 192237-A-5 | 192237-A-6 |
| Your Reference              | UNITS | BH1        | BH2        | BH3        |
| Depth                       |       | 0.3-0.4    | 1-1.1      | 0.2-0.25   |
| Date Sampled                |       | 17/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample              |       | Soil       | Soil       | Soil       |
| Date prepared               | -     | 28/05/2018 | 28/05/2018 | 28/05/2018 |
| Date analysed               | -     | 28/05/2018 | 28/05/2018 | 28/05/2018 |
| Total Phenolics (as Phenol) | mg/kg | <5         | <5         | <5         |

| Moisture       |       |            |            |            |            |            |
|----------------|-------|------------|------------|------------|------------|------------|
| Our Reference  |       | 192237-A-1 | 192237-A-2 | 192237-A-5 | 192237-A-6 | 192237-A-7 |
| Your Reference | UNITS | BH1        | BH1        | BH2        | BH3        | BH3        |
| Depth          |       | 0.3-0.4    | 0.7-0.8    | 1-1.1      | 0.2-0.25   | 0.5-0.6    |
| Date Sampled   |       | 17/05/2018 | 17/05/2018 | 18/05/2018 | 18/05/2018 | 18/05/2018 |
| Type of sample |       | Soil       | Soil       | Soil       | Soil       | Soil       |
| Date prepared  | -     | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 | 25/05/2018 |
| Date analysed  | -     | 26/05/2018 | 26/05/2018 | 26/05/2018 | 26/05/2018 | 26/05/2018 |
| Moisture       | %     | 3.2        | 1          | 3.8        | 7.3        | 1.3        |

| Moisture       |       |            |                      |
|----------------|-------|------------|----------------------|
| Our Reference  |       | 192237-A-9 | 192237-A-12          |
| Your Reference | UNITS | BH3        | BH1 Replicate sample |
| Depth          |       | 1.4-1.5    | 0.7-0.8              |
| Date Sampled   |       | 18/05/2018 | 17/05/2018           |
| Type of sample |       | Soil       | Soil                 |
| Date prepared  | -     | 25/05/2018 | 25/05/2018           |
| Date analysed  | -     | 26/05/2018 | 26/05/2018           |
| Moisture       | %     | 3.9        | 1                    |

| Asbestos ID - soils |       |  |  |  |
|---------------------|-------|--|--|--|
| Our Reference       |       | 192237-A-1   | 192237-A-5   | 192237-A-6   |
| Your Reference      | UNITS | BH1  | BH2  | BH3  |
| Depth               |       | 0.3-0.4  | 1-1.1  | 0.2-0.25   |
| Date Sampled        |       | 17/05/2018   | 18/05/2018   | 18/05/2018   |
| Type of sample      |       | Soil   | Soil   | Soil   |
| Date analysed       | -     | 30/05/2018   | 30/05/2018   | 30/05/2018   |
| Sample mass tested  | g     | Approx. 40g  | Approx. 45g  | Approx. 45g  |
| Sample Description  | -     | Brown sandy soil & rocks                           | Beige sandy soil & rocks                           | Brown sandy soil & rocks                           |
| Asbestos ID in soil | -     | No asbestos detected at reporting limit of 0.1g/kg | No asbestos detected at reporting limit of 0.1g/kg | No asbestos detected at reporting limit of 0.1g/kg |
|                     |       | Organic fibres detected                            | Organic fibres detected                            | Organic fibres detected                            |
|                     |       | Synthetic mineral fibres detected                  |  |  |
| Trace Analysis      | -     | No asbestos detected                               | No asbestos detected                               | No asbestos detected                               |

| Method ID         | Methodology Summary   |
|-------------------|---|
| <b>ASB-001</b>    | 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.  |
| <b>Inorg-008</b>  | Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.   |
| <b>Inorg-031</b>  | Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish).<br>Solids are extracted in a caustic media prior to analysis.  |
| <b>Metals-020</b> | Determination of various metals by ICP-AES.   |
| <b>Metals-021</b> | Determination of Mercury by Cold Vapour AAS.  |
| <b>Org-003</b>    | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br>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.   |
| <b>Org-003</b>    | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.<br><br>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.<br><br>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). |
| <b>Org-005</b>    | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.   |
| <b>Org-005</b>    | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.<br>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.   |
| <b>Org-006</b>    | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.   |
| <b>Org-006</b>    | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.<br>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.   |
| <b>Org-008</b>    | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.   |

| Method ID      | Methodology Summary  |
|----------------|--|
| <b>Org-012</b> | <p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> <li>1. 'EQ PQL' values are assuming all contributing PAHs reported as &lt;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.</li> <li>2. 'EQ zero' values are assuming all contributing PAHs reported as &lt;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.</li> <li>3. 'EQ half PQL' values are assuming all contributing PAHs reported as &lt;PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.</li> </ol> <p>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.</p> |
| <b>Org-014</b> | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.   |
| <b>Org-016</b> | 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.   |
| <b>Org-016</b> | <p>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.</p> <p>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.</p>  |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|---|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                            | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date extracted                              | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Date analysed                               | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| TRH C <sub>6</sub> - C <sub>9</sub>         | mg/kg | 25  | Org-016 | <25        | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| TRH C <sub>6</sub> - C <sub>10</sub>        | mg/kg | 25  | Org-016 | <25        | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| Benzene                                     | mg/kg | 0.2 | Org-016 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 89         | [NT] |
| Toluene                                     | mg/kg | 0.5 | Org-016 | <0.5       | [NT]      | [NT] | [NT] | [NT]             | 89         | [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]             | 95         | [NT] |
| o-Xylene                                    | mg/kg | 1   | Org-016 | <1         | [NT]      | [NT] | [NT] | [NT]             | 96         | [NT] |
| naphthalene                                 | mg/kg | 1   | Org-014 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate aaa-Trifluorotoluene              | %     |     | Org-016 | 120        | [NT]      | [NT] | [NT] | [NT]             | 124        | [NT] |



| QUALITY CONTROL: svTRH (C10-C40) in Soil |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|--|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                         | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date extracted                           | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Date analysed                            | -     |     |         | 26/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/05/2018 | [NT] |
| TRH C <sub>10</sub> - C <sub>14</sub>    | mg/kg | 50  | Org-003 | <50        | [NT]      | [NT] | [NT] | [NT]             | 102        | [NT] |
| TRH C <sub>15</sub> - C <sub>28</sub>    | mg/kg | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| TRH C <sub>29</sub> - C <sub>36</sub>    | mg/kg | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| TRH >C <sub>10</sub> -C <sub>16</sub>    | mg/kg | 50  | Org-003 | <50        | [NT]      | [NT] | [NT] | [NT]             | 102        | [NT] |
| TRH >C <sub>16</sub> -C <sub>34</sub>    | mg/kg | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| TRH >C <sub>34</sub> -C <sub>40</sub>    | mg/kg | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| Surrogate o-Terphenyl                    | %     |     | Org-003 | 130        | [NT]      | [NT] | [NT] | [NT]             | 105        | [NT] |

| QUALITY CONTROL: PAHs in Soil |       |      |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------|-------|------|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description              | Units | PQL  | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date extracted                | -     |      |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Date analysed                 | -     |      |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Naphthalene                   | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 89         | [NT] |
| Acenaphthylene                | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Acenaphthene                  | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluorene                      | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 102        | [NT] |
| Phenanthrene                  | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| Anthracene                    | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluoranthene                  | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 100        | [NT] |
| Pyrene                        | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 102        | [NT] |
| Benzo(a)anthracene            | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chrysene                      | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| Benzo(b,j+k)fluoranthene      | mg/kg | 0.2  | Org-012 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(a)pyrene                | mg/kg | 0.05 | Org-012 | <0.05      | [NT]      | [NT] | [NT] | [NT]             | 113        | [NT] |
| Indeno(1,2,3-c,d)pyrene       | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibenzo(a,h)anthracene        | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(g,h,i)perylene          | mg/kg | 0.1  | Org-012 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate p-Terphenyl-d14     | %     |      | Org-012 | 101        | [NT]      | [NT] | [NT] | [NT]             | 100        | [NT] |

| QUALITY CONTROL: Organophosphorus Pesticides |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|--|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                             | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date extracted                               | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Date analysed                                | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Azinphos-methyl (Guthion)                    | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Bromophos-ethyl                              | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chlorpyrifos                                 | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 105        | [NT] |
| Chlorpyrifos-methyl                          | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Diazinon                                     | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dichlorvos                                   | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 86         | [NT] |
| Dimethoate                                   | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Ethion                                       | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 104        | [NT] |
| Fenitrothion                                 | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 109        | [NT] |
| Malathion                                    | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 73         | [NT] |
| Parathion                                    | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| Ronnel                                       | mg/kg | 0.1 | Org-008 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 108        | [NT] |
| Surrogate TCMX                               | %     |     | Org-008 | 114        | [NT]      | [NT] | [NT] | [NT]             | 115        | [NT] |

| QUALITY CONTROL: Organochlorine Pesticides in soil |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|--|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                                   | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date extracted                                     | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Date analysed                                      | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| HCB  | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| alpha-BHC  | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 104        | [NT] |
| gamma-BHC  | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| beta-BHC   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| Heptachlor   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| delta-BHC  | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aldrin   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 103        | [NT] |
| Heptachlor Epoxide                                 | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| gamma-Chlordane                                    | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| alpha-chlordane                                    | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endosulfan I                                       | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| pp-DDE   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 105        | [NT] |
| Dieldrin   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 108        | [NT] |
| Endrin   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| pp-DDD   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 109        | [NT] |
| Endosulfan II                                      | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| pp-DDT   | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endrin Aldehyde                                    | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endosulfan Sulphate                                | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 76         | [NT] |
| Methoxychlor                                       | mg/kg | 0.1 | Org-005 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate TCMX                                     | %     |     | Org-005 | 114        | [NT]      | [NT] | [NT] | [NT]             | 127        | [NT] |

| QUALITY CONTROL: PCBs in Soil |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description              | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date extracted                | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Date analysed                 | -     |     |         | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [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]             | 100        | [NT] |
| Aroclor 1260                  | mg/kg | 0.1 | Org-006 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate TCLMX               | %     |     | Org-006 | 114        | [NT]      | [NT] | [NT] | [NT]             | 115        | [NT] |

| QUALITY CONTROL: Acid Extractable metals in soil |       |     |            |            | Duplicate |      |      | Spike Recovery % |            |      |
|--|-------|-----|------------|------------|-----------|------|------|------------------|------------|------|
| Test Description                                 | Units | PQL | Method     | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date prepared                                    | -     |     |            | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Date analysed                                    | -     |     |            | 25/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 25/05/2018 | [NT] |
| Arsenic  | mg/kg | 4   | Metals-020 | <4         | [NT]      | [NT] | [NT] | [NT]             | 109        | [NT] |
| Cadmium  | mg/kg | 0.4 | Metals-020 | <0.4       | [NT]      | [NT] | [NT] | [NT]             | 106        | [NT] |
| Chromium   | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| Copper   | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| Lead   | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 107        | [NT] |
| Mercury  | mg/kg | 0.1 | Metals-021 | <0.1       | [NT]      | [NT] | [NT] | [NT]             | 98         | [NT] |
| Nickel   | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 101        | [NT] |
| Zinc   | mg/kg | 1   | Metals-020 | <1         | [NT]      | [NT] | [NT] | [NT]             | 106        | [NT] |

**Client Reference: 86397.00, 19-27 Cross St, Double Bay**

| QUALITY CONTROL: Misc Soil - Inorg |       |     |           |            | Duplicate |      |      | Spike Recovery % |            |      |
|------------------------------------|-------|-----|-----------|------------|-----------|------|------|------------------|------------|------|
| Test Description                   | Units | PQL | Method    | Blank      | #         | Base | Dup. | RPD              | LCS-10     | [NT] |
| Date prepared                      | -     |     |           | 28/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 28/05/2018 | [NT] |
| Date analysed                      | -     |     |           | 28/05/2018 | [NT]      | [NT] | [NT] | [NT]             | 28/05/2018 | [NT] |
| Total Phenolics (as Phenol)        | mg/kg | 5   | Inorg-031 | <5         | [NT]      | [NT] | [NT] | [NT]             | 100        | [NT] |



| Result Definitions |   |
|--------------------|---|
| <b>NT</b>          | Not tested                                |
| <b>NA</b>          | Test not required                         |
| <b>INS</b>         | Insufficient sample for this test         |
| <b>PQL</b>         | Practical Quantitation Limit              |
| <b>&lt;</b>        | Less than                                 |
| <b>&gt;</b>        | Greater than                              |
| <b>RPD</b>         | Relative Percent Difference               |
| <b>LCS</b>         | Laboratory Control Sample                 |
| <b>NS</b>          | Not specified                             |
| <b>NEPM</b>        | National Environmental Protection Measure |
| <b>NR</b>          | Not Reported                              |

| Quality Control Definitions  |  |
|--|--|
| <b>Blank</b>   | 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.           |
| <b>Duplicate</b>   | 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.   |
| <b>Matrix Spike</b>  | 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. |
| <b>LCS (Laboratory Control Sample)</b>   | 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.                                |
| <b>Surrogate Spike</b>   | 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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

## Report Comments

Asbestos: A portion of the supplied sample was sub-sampled for asbestos analysis according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab recommends supplying 40-50g of sample in its own container.

Note: Samples 192237-A -1, 5 & 6 were sub-sampled from jars provided by the client.

## Andrew Fitzsimons

**From:** Jeremie Young <Jeremie.Young@douglaspartners.com.au>  
**Sent:** Thursday, 24 May 2018 3:54 PM  
**To:** Andrew Fitzsimons; Customer Service  
**Cc:** Konrad Schultz  
**Subject:** RE: Request for additional test

Apologies Andrew, I have another change to make to 192237 86397.00 if possible.

Original request: P.A.S.S. screening and chromium suite testing on positive reactions.

Additionally:

Combination 8a testing on BH1 0.3-0.4m, BH2 1-1.1m & BH3 0.2-0.25m.  
Combination 3 testing on BH1 0.7-0.8m, BH3 0.5-0.6m & BH3 1.4-1.5m.  
(+ 1 QA replicate combination 3 test on BH1 0.7-0.8m as we discussed).

Thank you!

ELS: 192237-A

TAT: 5 days

Due: 31/5/18

Fit

1 5 6  
2 7 9  
↓  
112

**Jeremie Young** | Graduate Geotechnical Engineer  
**Douglas Partners Pty Ltd** | ABN 75 053 980 117 | [www.douglaspartners.com.au](http://www.douglaspartners.com.au)  
43 Hobart Street Riverstone NSW 2765 | PO Box 267 Riverstone NSW 2765  
P: 02 4666 0450 | E: [Jeremie.Young@douglaspartners.com.au](mailto:Jeremie.Young@douglaspartners.com.au)

FINANCIAL REVIEW

**CLIENT CHOICE AWARDS 2018**

**WINNER**

**beaton**



This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

**From:** Andrew Fitzsimons [<mailto:AFitzsimons@envirolab.com.au>]  
**Sent:** Thursday, May 24, 2018 3:34 PM  
**To:** Jeremie Young; Customer Service  
**Cc:** Konrad Schultz  
**Subject:** RE: Request for additional test

Ok sure thing we will get that done for you.

Regards,

**Andrew Fitzsimons** | Chemist | Envirolab Services Pty Ltd

*Great Science, Great Service.*

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                               |
|------------------|-------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd      |
| <b>Attention</b> | Konrad Schultz, Jeremie Young |

### Sample Login Details

|   |                                      |
|---|--------------------------------------|
| <b>Your reference</b>                       | 86397.00, 19-27 Cross St, Double Bay |
| <b>Envirolab Reference</b>                  | 192237-A                             |
| <b>Date Sample Received</b>                 | 22/05/2018                           |
| <b>Date Instructions Received</b>           | 24/05/2018                           |
| <b>Date Results Expected to be Reported</b> | 31/05/2018                           |

### Sample Condition

|   |          |
|---|----------|
| <b>Samples received in appropriate condition for analysis</b> | YES      |
| <b>No. of Samples Provided</b>                                | 12 Soil  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 11.1     |
| <b>Cooling Method</b>   | Ice Pack |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

| <b>Aileen Hie</b>                   | <b>Jacinta Hurst</b>                  |
|-------------------------------------|---------------------------------------|
| <b>Phone:</b> 02 9910 6200          | <b>Phone:</b> 02 9910 6200            |
| <b>Fax:</b> 02 9910 6201            | <b>Fax:</b> 02 9910 6201              |
| <b>Email:</b> ahie@envirolab.com.au | <b>Email:</b> jhurst@envirolab.com.au |

*Analysis Underway, details on the following page:*

| Sample ID                    | vTRH(C6-C10)/BTEXN in Soil | svTRH (C10-C40) in Soil | PAHs in Soil | OC's in Soil NEPM | Organophosphorus Pesticides | PCBs in Soil | Acid Extractable metals in soil | Total Phenolics (as Phenol) | Asbestos ID - soils | On Hold |
|------------------------------|----------------------------|-------------------------|--------------|-------------------|-----------------------------|--------------|---------------------------------|-----------------------------|---------------------|---------|
| BH1-0.3-0.4                  | ✓                          | ✓                       | ✓            | ✓                 | ✓                           | ✓            | ✓                               | ✓                           | ✓                   |         |
| BH1-0.7-0.8                  | ✓                          | ✓                       | ✓            |                   |                             |              | ✓                               |                             |                     |         |
| BH1-0.9-1                    |                            |                         |              |                   |                             |              |                                 |                             |                     | ✓       |
| BH1-1.4-1.5                  |                            |                         |              |                   |                             |              |                                 |                             |                     | ✓       |
| BH2-1-1.1                    | ✓                          | ✓                       | ✓            | ✓                 | ✓                           | ✓            | ✓                               | ✓                           | ✓                   |         |
| BH3-0.2-0.25                 | ✓                          | ✓                       | ✓            | ✓                 | ✓                           | ✓            | ✓                               | ✓                           | ✓                   |         |
| BH3-0.5-0.6                  | ✓                          | ✓                       | ✓            |                   |                             |              | ✓                               |                             |                     |         |
| BH3-0.9-1.0                  |                            |                         |              |                   |                             |              |                                 |                             |                     | ✓       |
| BH3-1.4-1.5                  | ✓                          | ✓                       | ✓            |                   |                             |              | ✓                               |                             |                     |         |
| BH3-2-2.1                    |                            |                         |              |                   |                             |              |                                 |                             |                     | ✓       |
| BH3-2.5-2.6                  |                            |                         |              |                   |                             |              |                                 |                             |                     | ✓       |
| BH1 Replicate sample-0.7-0.8 | ✓                          | ✓                       | ✓            |                   |                             |              | ✓                               |                             |                     |         |

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.

## CERTIFICATE OF ANALYSIS 192237-B

### Client Details

|                  |  |
|------------------|--|
| <b>Client</b>    | Douglas Partners Pty Ltd                   |
| <b>Attention</b> | Paul Gorman, Konrad Schultz, Jeremie Young |
| <b>Address</b>   | 96 Hermitage Rd, West Ryde, NSW, 2114      |

### Sample Details

|   |  |
|---|--|
| <b>Your Reference</b>                       | <b><u>86397.00, 19-27 Cross St, Double Bay</u></b> |
| <b>Number of Samples</b>                    | 11 Soil  |
| <b>Date samples received</b>                | 22/05/2018   |
| <b>Date completed instructions received</b> | 31/05/2018   |

### Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.  
 Samples were analysed as received from the client. Results relate specifically to the samples as received.  
 Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### Report Details

|   |            |
|---|------------|
| <b>Date results requested by</b>  | 07/06/2018 |
| <b>Date of Issue</b>  | 06/06/2018 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### Results Approved By

Dragana Tomas, Senior Chemist  
 Long Pham, Team Leader, Metals

#### Authorised By



Jacinta Hurst, Laboratory Manager



| Metals in TCLP USEPA1311      |          |            |
|-------------------------------|----------|------------|
| Our Reference                 |          | 192237-B-1 |
| Your Reference                | UNITS    | BH1        |
| Depth                         |          | 0.3-0.4    |
| Date Sampled                  |          | 17/05/2018 |
| Type of sample                |          | Soil       |
| Date extracted                | -        | 04/06/2018 |
| Date analysed                 | -        | 04/06/2018 |
| pH of soil for fluid# determ. | pH units | 9.4        |
| pH of soil TCLP (after HCl)   | pH units | 1.7        |
| Extraction fluid used         | -        | 1          |
| pH of final Leachate          | pH units | 5.6        |
| Lead in TCLP                  | mg/L     | 0.04       |

| PAHs in TCLP (USEPA 1311)         |       |            |
|-----------------------------------|-------|------------|
| Our Reference                     |       | 192237-B-1 |
| Your Reference                    | UNITS | BH1        |
| Depth                             |       | 0.3-0.4    |
| Date Sampled                      |       | 17/05/2018 |
| Type of sample                    |       | Soil       |
| Date extracted                    | -     | 05/06/2018 |
| Date analysed                     | -     | 06/06/2018 |
| Naphthalene in TCLP               | mg/L  | <0.001     |
| Acenaphthylene in TCLP            | mg/L  | <0.001     |
| Acenaphthene in TCLP              | mg/L  | <0.001     |
| Fluorene in TCLP                  | mg/L  | <0.001     |
| Phenanthrene in TCLP              | mg/L  | <0.001     |
| Anthracene in TCLP                | mg/L  | <0.001     |
| Fluoranthene in TCLP              | mg/L  | <0.001     |
| Pyrene in TCLP                    | mg/L  | <0.001     |
| Benzo(a)anthracene in TCLP        | mg/L  | <0.001     |
| Chrysene in TCLP                  | mg/L  | <0.001     |
| Benzo(bjk)fluoranthene in TCLP    | mg/L  | <0.002     |
| Benzo(a)pyrene in TCLP            | mg/L  | <0.001     |
| Indeno(1,2,3-c,d)pyrene - TCLP    | mg/L  | <0.001     |
| Dibenzo(a,h)anthracene in TCLP    | mg/L  | <0.001     |
| Benzo(g,h,i)perylene in TCLP      | mg/L  | <0.001     |
| Total +ve PAH's                   | mg/L  | NIL (+)VE  |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 99         |

| Method ID                 | Methodology Summary  |
|---------------------------|--|
| <b>EXTRACT.7</b>          | Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction (zHE) using AS4439 and USEPA 1311.   |
| <b>Inorg-001</b>          | pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.        |
| <b>Inorg-004</b>          | Toxicity Characteristic Leaching Procedure (TCLP) using in house method INORG-004.   |
| <b>Metals-020 ICP-AES</b> | Determination of various metals by ICP-AES.  |
| <b>Org-012</b>            | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS.   |
| <b>Org-012</b>            | Leachates are extracted with Dichloromethane and analysed by GC-MS.  |
| <b>Org-012</b>            | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS.<br>Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. |

**Client Reference: 86397.00, 19-27 Cross St, Double Bay**

| QUALITY CONTROL: Metals in TCLP USEPA1311 |       |      |                    |            | Duplicate |      |      | Spike Recovery % |            |      |
|---|-------|------|--------------------|------------|-----------|------|------|------------------|------------|------|
| Test Description                          | Units | PQL  | Method             | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                            | -     |      |                    | 04/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 04/06/2018 | [NT] |
| Date analysed                             | -     |      |                    | 04/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 04/06/2018 | [NT] |
| Lead in TCLP                              | mg/L  | 0.03 | Metals-020 ICP-AES | <0.03      | [NT]      | [NT] | [NT] | [NT]             | 98         | [NT] |

| QUALITY CONTROL: PAHs in TCLP (USEPA 1311) |       |       |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|--|-------|-------|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                           | Units | PQL   | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W3     | [NT] |
| Date extracted                             | -     |       |         | 05/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 05/06/2018 | [NT] |
| Date analysed                              | -     |       |         | 06/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 06/06/2018 | [NT] |
| Naphthalene in TCLP                        | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | 70         | [NT] |
| Acenaphthylene in TCLP                     | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Acenaphthene in TCLP                       | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluorene in TCLP                           | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | 79         | [NT] |
| Phenanthrene in TCLP                       | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | 78         | [NT] |
| Anthracene in TCLP                         | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluoranthene in TCLP                       | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | 85         | [NT] |
| Pyrene in TCLP                             | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | 81         | [NT] |
| Benzo(a)anthracene in TCLP                 | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chrysene in TCLP                           | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | 72         | [NT] |
| Benzo(b,j,k)fluoranthene in TCLP           | mg/L  | 0.002 | Org-012 | <0.002     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(a)pyrene in TCLP                     | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | 77         | [NT] |
| Indeno(1,2,3-c,d)pyrene - TCLP             | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibenzo(a,h)anthracene in TCLP             | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(g,h,i)perylene in TCLP               | mg/L  | 0.001 | Org-012 | <0.001     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate p-Terphenyl-d14                  | %     |       | Org-012 | 104        | [NT]      | [NT] | [NT] | [NT]             | 106        | [NT] |

| Result Definitions |   |
|--------------------|---|
| <b>NT</b>          | Not tested                                |
| <b>NA</b>          | Test not required                         |
| <b>INS</b>         | Insufficient sample for this test         |
| <b>PQL</b>         | Practical Quantitation Limit              |
| <b>&lt;</b>        | Less than                                 |
| <b>&gt;</b>        | Greater than                              |
| <b>RPD</b>         | Relative Percent Difference               |
| <b>LCS</b>         | Laboratory Control Sample                 |
| <b>NS</b>          | Not specified                             |
| <b>NEPM</b>        | National Environmental Protection Measure |
| <b>NR</b>          | Not Reported                              |

| Quality Control Definitions  |  |
|--|--|
| <b>Blank</b>   | 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.           |
| <b>Duplicate</b>   | 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.   |
| <b>Matrix Spike</b>  | 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. |
| <b>LCS (Laboratory Control Sample)</b>   | 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.                                |
| <b>Surrogate Spike</b>   | 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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.



## Andrew Fitzsimons

---

**From:** Nancy Zhang  
**Sent:** Thursday, 31 May 2018 3:01 PM  
**To:** Paul Gorman; Konrad Schultz; Jeremie Young  
**Cc:** Samplereceipt  
**Subject:** RE: Results for Registration 192237 86397.00, 19-27 Cross St, Double Bay

Hi Paul,

No problem, will do.

ELS: 192237-B  
TAT: 5 days  
Due: 7/6/18

Regards,

Nancy Zhang | Assistant Lab Manager | Envirolab Services Pty Ltd



*Great Science, Great Service.*

12 Ashley Street Chatswood NSW 2067  
T 612 9910 6200 F 612 9910 6201  
E [nzhang@envirolab.com.au](mailto:nzhang@envirolab.com.au) | W [www.envirolab.com.au](http://www.envirolab.com.au)

Please note that all samples submitted to the Envirolab Group laboratories will be analysed under the Envirolab Group Terms and Conditions. The Terms and Conditions are accessible by clicking this link

---

**From:** Paul Gorman [mailto:Paul.Gorman@douglaspartners.com.au]  
**Sent:** Thursday, 31 May 2018 12:22 PM  
**To:** Nancy Zhang <NZhang@envirolab.com.au>; Konrad Schultz <Konrad.Schultz@douglaspartners.com.au>; Jeremie Young <Jeremie.Young@douglaspartners.com.au>  
**Subject:** RE: Results for Registration 192237 86397.00, 19-27 Cross St, Double Bay

Ni Nancy,

In regards to the attached could you please run TCLP for the following sample on a standard turnaround.

1 BH1/0.3-0.4 PAH, lead

Thanks

---

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |  |
|------------------|--|
| <b>Client</b>    | Douglas Partners Pty Ltd                   |
| <b>Attention</b> | Paul Gorman, Konrad Schultz, Jeremie Young |

### Sample Login Details

|   |                                      |
|---|--------------------------------------|
| <b>Your reference</b>                       | 86397.00, 19-27 Cross St, Double Bay |
| <b>Envirolab Reference</b>                  | 192237-B                             |
| <b>Date Sample Received</b>                 | 22/05/2018                           |
| <b>Date Instructions Received</b>           | 31/05/2018                           |
| <b>Date Results Expected to be Reported</b> | 07/06/2018                           |

### Sample Condition

|   |          |
|---|----------|
| <b>Samples received in appropriate condition for analysis</b> | YES      |
| <b>No. of Samples Provided</b>                                | 11 Soil  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 11.1     |
| <b>Cooling Method</b>   | Ice Pack |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

| <b>Aileen Hie</b>                   | <b>Jacinta Hurst</b>                  |
|-------------------------------------|---------------------------------------|
| <b>Phone:</b> 02 9910 6200          | <b>Phone:</b> 02 9910 6200            |
| <b>Fax:</b> 02 9910 6201            | <b>Fax:</b> 02 9910 6201              |
| <b>Email:</b> ahie@envirolab.com.au | <b>Email:</b> jhurst@envirolab.com.au |

*Analysis Underway, details on the following page:*

| Sample ID    | Metals in TCLP USEPA1311 | PAHs in TCLP(USEPA 1311) | On Hold |
|--------------|--------------------------|--------------------------|---------|
| BH1-0.3-0.4  | ✓                        | ✓                        |         |
| BH1-0.7-0.8  |                          |                          | ✓       |
| BH1-0.9-1    |                          |                          | ✓       |
| BH1-1.4-1.5  |                          |                          | ✓       |
| BH2-1-1.1    |                          |                          | ✓       |
| BH3-0.2-0.25 |                          |                          | ✓       |
| BH3-0.5-0.6  |                          |                          | ✓       |
| BH3-0.9-1.0  |                          |                          | ✓       |
| BH3-1.4-1.5  |                          |                          | ✓       |
| BH3-2-2.1    |                          |                          | ✓       |
| BH3-2.5-2.6  |                          |                          | ✓       |

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.

## **CERTIFICATE OF ANALYSIS 192237-C**

### **Client Details**

|                  |                                       |
|------------------|---------------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd              |
| <b>Attention</b> | Konrad Schultz, Jeremie Young         |
| <b>Address</b>   | 96 Hermitage Rd, West Ryde, NSW, 2114 |

### **Sample Details**

|   |  |
|---|--|
| <b>Your Reference</b>                       | <b><u>86397.00, 19-27 Cross St, Double Bay</u></b> |
| <b>Number of Samples</b>                    | 11 Soil  |
| <b>Date samples received</b>                | 22/05/2018   |
| <b>Date completed instructions received</b> | 15/06/2018   |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.  
Samples were analysed as received from the client. Results relate specifically to the samples as received.  
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### **Report Details**

|   |            |
|---|------------|
| <b>Date results requested by</b>  | 22/06/2018 |
| <b>Date of Issue</b>  | 21/06/2018 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Nick Sarlamis, Inorganics Supervisor

#### **Authorised By**



Jacinta Hurst, Laboratory Manager

| Chromium Suite              |                         |            |             |
|-----------------------------|-------------------------|------------|-------------|
| Our Reference               |                         | 192237-C-7 | 192237-C-10 |
| Your Reference              | UNITS                   | BH3        | BH3         |
| Depth                       |                         | 0.5-0.6    | 2-2.1       |
| Date Sampled                |                         | 18/05/2018 | 18/05/2018  |
| Type of sample              |                         | Soil       | Soil        |
| Date prepared               | -                       | 20/06/2018 | 20/06/2018  |
| Date analysed               | -                       | 20/06/2018 | 20/06/2018  |
| pH <sub>kcl</sub>           | pH units                | 5.3        | 6.2         |
| s-TAA pH 6.5                | %w/w S                  | <0.01      | <0.01       |
| TAA pH 6.5                  | moles H <sup>+</sup> /t | <5         | <5          |
| Chromium Reducible Sulfur   | %w/w                    | <0.005     | <0.005      |
| a-Chromium Reducible Sulfur | moles H <sup>+</sup> /t | <3         | <3          |
| S <sub>HCl</sub>            | %w/w S                  | <0.005     | <0.005      |
| S <sub>KCl</sub>            | %w/w S                  | <0.005     | <0.005      |
| S <sub>NAS</sub>            | %w/w S                  | <0.005     | <0.005      |
| ANC <sub>BT</sub>           | % CaCO <sub>3</sub>     | <0.05      | <0.05       |
| s-ANC <sub>BT</sub>         | %w/w S                  | <0.05      | <0.05       |
| s-Net Acidity               | %w/w S                  | <0.005     | <0.005      |
| a-Net Acidity               | moles H <sup>+</sup> /t | <5         | <5          |
| Liming rate                 | kg CaCO <sub>3</sub> /t | <0.75      | <0.75       |
| a-Net Acidity without ANCE  | moles H <sup>+</sup> /t | <5         | <5          |
| Liming rate without ANCE    | kg CaCO <sub>3</sub> /t | <0.75      | <0.75       |
| s-Net Acidity without ANCE  | %w/w S                  | <0.005     | <0.005      |

| Method ID | Methodology Summary   |
|-----------|---|
| Inorg-068 | Chromium Reducible Sulfur - Hydrogen Sulfide is quantified by iodometric titration after distillation to determine potential acidity. Based on Acid Sulfate Soils Laboratory Methods Guidelines, Version 2.1 - June 2004. |

| QUALITY CONTROL: Chromium Suite |                         |       |           |            | Duplicate |      |      | Spike Recovery % |            |      |
|---------------------------------|-------------------------|-------|-----------|------------|-----------|------|------|------------------|------------|------|
| Test Description                | Units                   | PQL   | Method    | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date prepared                   | -                       |       |           | 20/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 20/06/2018 | [NT] |
| Date analysed                   | -                       |       |           | 20/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 20/06/2018 | [NT] |
| pH <sub>kcl</sub>               | pH units                |       | Inorg-068 | [NT]       | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| s-TAA pH 6.5                    | %w/w S                  | 0.01  | Inorg-068 | <0.01      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| TAA pH 6.5                      | moles H <sup>+</sup> /t | 5     | Inorg-068 | <5         | [NT]      | [NT] | [NT] | [NT]             | 90         | [NT] |
| Chromium Reducible Sulfur       | %w/w                    | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| a-Chromium Reducible Sulfur     | moles H <sup>+</sup> /t | 3     | Inorg-068 | <3         | [NT]      | [NT] | [NT] | [NT]             | 101        | [NT] |
| S <sub>HCl</sub>                | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| S <sub>KCl</sub>                | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| S <sub>NAS</sub>                | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| ANC <sub>BT</sub>               | % CaCO <sub>3</sub>     | 0.05  | Inorg-068 | <0.05      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| s-ANC <sub>BT</sub>             | %w/w S                  | 0.05  | Inorg-068 | <0.05      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| s-Net Acidity                   | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| a-Net Acidity                   | moles H <sup>+</sup> /t | 5     | Inorg-068 | <5         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Liming rate                     | kg CaCO <sub>3</sub> /t | 0.75  | Inorg-068 | <0.75      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| a-Net Acidity without ANCE      | moles H <sup>+</sup> /t | 5     | Inorg-068 | <5         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Liming rate without ANCE        | kg CaCO <sub>3</sub> /t | 0.75  | Inorg-068 | <0.75      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| s-Net Acidity without ANCE      | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |



**Result Definitions**

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

**Quality Control Definitions**

|  |  |
|--|--|
| <b>Blank</b>   | 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.           |
| <b>Duplicate</b>   | 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.   |
| <b>Matrix Spike</b>  | 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. |
| <b>LCS (Laboratory Control Sample)</b>   | 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.                                |
| <b>Surrogate Spike</b>   | 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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

## Ellen Wandala Gamage

---

**From:** Nancy Zhang  
**Sent:** Friday, 15 June 2018 6:32 PM  
**To:** Konrad Schultz; Jeremie Young  
**Cc:** Samplereceipt  
**Subject:** RE: Results for Registration 192237 86397.00, 19-27 Cross St, Double Bay

Hi Konrad,

No problem, we will get it logged in on standard TAT, let me know if you need them urgently.

Regards,

Nancy Zhang | Assistant Lab Manager | Envirolab Services Pty Ltd

*ELS Ref: 192237-C  
Std TAT  
Due: 220618*

*Great Science, Great Service.*

12 Ashley Street Chatswood NSW 2067  
T 612 9910 6200 F 612 9910 6201  
E [nzhang@envirolab.com.au](mailto:nzhang@envirolab.com.au) | W [www.envirolab.com.au](http://www.envirolab.com.au)

**Please note that all samples submitted to the Envirolab Group laboratories will be analysed under the Envirolab Group Terms and Conditions. The Terms and Conditions are accessible by clicking this link**

---

**From:** Konrad Schultz [mailto:[Konrad.Schultz@douglaspartners.com.au](mailto:Konrad.Schultz@douglaspartners.com.au)]  
**Sent:** Friday, 15 June 2018 4:53 PM  
**To:** Nancy Zhang <[NZhang@envirolab.com.au](mailto:NZhang@envirolab.com.au)>; Jeremie Young <[Jeremie.Young@douglaspartners.com.au](mailto:Jeremie.Young@douglaspartners.com.au)>  
**Subject:** FW: Results for Registration 192237 86397.00, 19-27 Cross St, Double Bay

Nancy,  
Apologies for the delayed query, is it possible to get a chromium suite tests done on the samples from BH3 at depths of 0.5-0.6m and 2.0-2.1m ?

Cheers

Konrad

*#7 #10.*

**Konrad Schultz** | Principal  
**Douglas Partners Pty Ltd** | ABN 75 053 980 117 | [www.douglaspartners.com.au](http://www.douglaspartners.com.au)  
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685  
P: 02 8878 0676 | F: 02 9809 4095 | M: 0408 095 436 | E: [Konrad.Schultz@douglaspartners.com.au](mailto:Konrad.Schultz@douglaspartners.com.au)



FINANCIAL REVIEW  
**CLIENT CHOICE A  
WINNER**

## CERTIFICATE OF ANALYSIS 194329

### Client Details

|                  |                                       |
|------------------|---------------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd              |
| <b>Attention</b> | Konrad Schultz                        |
| <b>Address</b>   | 96 Hermitage Rd, West Ryde, NSW, 2114 |

### Sample Details

|   |                             |
|---|-----------------------------|
| <b>Your Reference</b>                       | <u>86397.00, Double Bay</u> |
| <b>Number of Samples</b>                    | 12 SOIL                     |
| <b>Date samples received</b>                | 19/06/2018                  |
| <b>Date completed instructions received</b> | 19/06/2018                  |

### Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.  
Samples were analysed as received from the client. Results relate specifically to the samples as received.  
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### Report Details

|   |            |
|---|------------|
| <b>Date results requested by</b>  | 26/06/2018 |
| <b>Date of Issue</b>  | 22/06/2018 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### Results Approved By

Nick Sarlamis, Inorganics Supervisor

#### Authorised By



Jacinta Hurst, Laboratory Manager

| sPOCAS field test                        |          |            |            |            |            |            |
|--|----------|------------|------------|------------|------------|------------|
| Our Reference                            |          | 194329-1   | 194329-2   | 194329-3   | 194329-4   | 194329-5   |
| Your Reference                           | UNITS    | BH1        | BH1        | BH1        | BH1        | BH2        |
| Depth                                    |          | 1.9-2      | 2.4-2.5    | 2.9-3      | 4.4-45     | 1.9-2      |
| Type of sample                           |          | SOIL       | SOIL       | SOIL       | SOIL       | SOIL       |
| Date prepared                            | -        | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 |
| Date analysed                            | -        | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 |
| pH <sub>F</sub> (field pH test)*         | pH Units | 8.3        | 7.8        | 7.4        | 6.5        | 8.3        |
| pH <sub>FOX</sub> (field peroxide test)* | pH Units | 6.4        | 5.6        | 3.0        | 1.6        | 5.2        |
| Reaction Rate*                           | -        | Slight     | Slight     | Slight     | Moderate   | Slight     |

| sPOCAS field test                        |          |            |            |            |            |            |
|--|----------|------------|------------|------------|------------|------------|
| Our Reference                            |          | 194329-6   | 194329-7   | 194329-8   | 194329-9   | 194329-10  |
| Your Reference                           | UNITS    | BH2        | BH2        | BH2        | BH3        | BH3        |
| Depth                                    |          | 2.4-2.5    | 3.9-4.0    | 5.4-5.5    | 3.0-3.1    | 4.0-4.1    |
| Type of sample                           |          | SOIL       | SOIL       | SOIL       | SOIL       | SOIL       |
| Date prepared                            | -        | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 |
| Date analysed                            | -        | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 | 21/06/2018 |
| pH <sub>F</sub> (field pH test)*         | pH Units | 7.9        | 7.6        | 7.2        | 7.3        | 7.2        |
| pH <sub>FOX</sub> (field peroxide test)* | pH Units | 5.0        | 3.0        | 1.9        | 3.8        | 3.8        |
| Reaction Rate*                           | -        | Slight     | Moderate   | Moderate   | Slight     | Slight     |

| sPOCAS field test                        |          |            |            |
|--|----------|------------|------------|
| Our Reference                            |          | 194329-11  | 194329-12  |
| Your Reference                           | UNITS    | BH3        | BH3        |
| Depth                                    |          | 5.5-5.6    | 10.0-10.45 |
| Type of sample                           |          | SOIL       | SOIL       |
| Date prepared                            | -        | 21/06/2018 | 21/06/2018 |
| Date analysed                            | -        | 21/06/2018 | 21/06/2018 |
| pH <sub>F</sub> (field pH test)*         | pH Units | 7.1        | 6.9        |
| pH <sub>FOX</sub> (field peroxide test)* | pH Units | 3.4        | 1.7        |
| Reaction Rate*                           | -        | Moderate   | High       |

| Method ID | Methodology Summary   |
|-----------|---|
| Inorg-063 | pH- measured using pH meter and electrode. Soil is oxidised with Hydrogen Peroxide or extracted with water. Based on section H, Acid Sulfate Soils Laboratory Methods Guidelines, Version 2.1 - June 2004. To ensure accurate results these tests are recommended to be done in the field as pH may change with time thus these results may not be representative of true field conditions. |

| Result Definitions |   |
|--------------------|---|
| <b>NT</b>          | Not tested                                |
| <b>NA</b>          | Test not required                         |
| <b>INS</b>         | Insufficient sample for this test         |
| <b>PQL</b>         | Practical Quantitation Limit              |
| <b>&lt;</b>        | Less than                                 |
| <b>&gt;</b>        | Greater than                              |
| <b>RPD</b>         | Relative Percent Difference               |
| <b>LCS</b>         | Laboratory Control Sample                 |
| <b>NS</b>          | Not specified                             |
| <b>NEPM</b>        | National Environmental Protection Measure |
| <b>NR</b>          | Not Reported                              |

| Quality Control Definitions  |  |
|--|--|
| <b>Blank</b>   | 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.           |
| <b>Duplicate</b>   | 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.   |
| <b>Matrix Spike</b>  | 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. |
| <b>LCS (Laboratory Control Sample)</b>   | 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.                                |
| <b>Surrogate Spike</b>   | 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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

**Douglas Partners**  
Geotechnics / Environment / Groundwater

|  |                 |   |              |                              |                |
|--|-----------------|---|--------------|------------------------------|----------------|
| Client: Douglas Partners                                 |                 | Project Number: 86397.00  |              | To: EnviroLab Services       |                |
| Contact Person: Konrad Schultz                           |                 | Project Name: 19-27 Cross st, Double Bay  |              | Contact Person: Aileen Hie   |                |
| Project Mgr: Konrad Schultz                              |                 | PO No.:   |              | Address: 12 Ashley Street    |                |
| Address: 96 Hermitage Road<br>West Ryde NSW 2114         |                 | Lab Quota No.:  |              | Chatswood NSW 2068           |                |
| Phone: 9809 0666 Mob: 0408 095 436                       |                 | Date results required:  |              | Phone: 02 9910 6200          |                |
| Email: konrad.schultz@douglaspartners.com.au             |                 | Or choose:  |              | Fax: 02 9910 6201            |                |
|  |                 | Note: Inform lab in advance if urgent turnaround is required - surcharges apply |              | Email: ahie@envirolab.com.au |                |
|  |                 | Report format: PDF / Excel  |              | Laboratory Report No:        |                |
|  |                 | Comments:   |              | Lab Comments:                |                |
| <b>Sample Information</b>                                |                 |   |              |                              |                |
| Lab Sample ID  | Field Sample ID | Depth   | Date sampled | Container Type               | Type of sample |
| 1  | BH1             | 1.9 - 2   | 17/06/2018   | Bag                          | D              |
| 2  | BH1             | 2.4 - 2.5   | 17/06/2018   | Bag                          | D              |
| 3  | BH1             | 2.9 - 3   | 17/06/2018   | Bag                          | D              |
| 4  | BH1             | 4.4 - 4.5   | 17/06/2018   | Bag                          | D              |
| 5  | BH2             | 1.9 - 2   | 17/06/2018   | Bag                          | D              |
| 6  | BH2             | 2.4 - 2.5   | 17/06/2018   | Bag                          | D              |
| 7  | BH2             | 3.9 - 4.0   | 17/06/2018   | Bag                          | D              |
| 8  | BH2             | 5.4 - 5.5   | 17/06/2018   | Bag                          | D              |
| 9  | BH3             | 3.0 - 3.1   | 18/06/2018   | Bag                          | D              |
| 10   | BH3             | 4.0 - 4.1   | 18/06/2018   | Bag                          | D              |
| 11   | BH3             | 5.5 - 5.6   | 18/06/2018   | Bag                          | D              |
| 12   | BH3             | 10.0 - 10.45  | 18/06/2018   | Bag                          | D              |
| <b>Relinquished by: Douglas Partners</b>                 |                 |   |              |                              |                |
| Hand delivered / Courier (by whom)                       |                 |   |              |                              |                |
| Condition of Sample at dispatch Cool or Ambient (circle) |                 |   |              |                              |                |
| Temperature (if Applicable):                             |                 |   |              |                              |                |
| Print Name:  |                 |   |              |                              |                |
| Date & Time:   |                 |   |              |                              |                |
| Signature:   |                 |   |              |                              |                |
| <b>Sample Receipt</b>                                    |                 |   |              |                              |                |
| Received by (Company): ELL                               |                 |   |              |                              |                |
| Print Name: M7   |                 |   |              |                              |                |
| Date & Time: 19/6/18 17:30                               |                 |   |              |                              |                |
| Signature:   |                 |   |              |                              |                |
| <b>Lab use only:</b>                                     |                 |   |              |                              |                |
| Samples Received: Cool or Ambient (circle one)           |                 |   |              |                              |                |
| Temperature Received at: 22 (if applicable)              |                 |   |              |                              |                |
| Transported by: Hand delivered / courier                 |                 |   |              |                              |                |
| Provide as much information about the sample as you can  |                 |   |              |                              |                |

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                          |
|------------------|--------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd |
| <b>Attention</b> | Konrad Schultz           |

### Sample Login Details

|   |                      |
|---|----------------------|
| <b>Your reference</b>                       | 86397.00, Double Bay |
| <b>Envirolab Reference</b>                  | 194329               |
| <b>Date Sample Received</b>                 | 19/06/2018           |
| <b>Date Instructions Received</b>           | 19/06/2018           |
| <b>Date Results Expected to be Reported</b> | 26/06/2018           |

### Sample Condition

|   |          |
|---|----------|
| <b>Samples received in appropriate condition for analysis</b> | YES      |
| <b>No. of Samples Provided</b>                                | 12 SOIL  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 2.2      |
| <b>Cooling Method</b>   | Ice      |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

| <b>Aileen Hie</b>                   | <b>Jacinta Hurst</b>                  |
|-------------------------------------|---------------------------------------|
| <b>Phone:</b> 02 9910 6200          | <b>Phone:</b> 02 9910 6200            |
| <b>Fax:</b> 02 9910 6201            | <b>Fax:</b> 02 9910 6201              |
| <b>Email:</b> ahie@envirolab.com.au | <b>Email:</b> jhurst@envirolab.com.au |

*Analysis Underway, details on the following page:*

| Sample ID      | sPOCAs field test |
|----------------|-------------------|
| BH1-1.9-2      | ✓                 |
| BH1-2.4-2.5    | ✓                 |
| BH1-2.9-3      | ✓                 |
| BH1-4.4-45     | ✓                 |
| BH2-1.9-2      | ✓                 |
| BH2-2.4-2.5    | ✓                 |
| BH2-3.9-4.0    | ✓                 |
| BH2-5.4-5.5    | ✓                 |
| BH3-3.0-3.1    | ✓                 |
| BH3-4.0-4.1    | ✓                 |
| BH3-5.5-5.6    | ✓                 |
| BH3-10.0-10.45 | ✓                 |

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.

## **CERTIFICATE OF ANALYSIS 194329-A**

### **Client Details**

|                  |  |
|------------------|--|
| <b>Client</b>    | Douglas Partners Pty Ltd                   |
| <b>Attention</b> | Paul Gorman, Konrad Schultz, Jeremie Young |
| <b>Address</b>   | 96 Hermitage Rd, West Ryde, NSW, 2114      |

### **Sample Details**

|   |                                    |
|---|------------------------------------|
| <b>Your Reference</b>                       | <b><u>86397.00, Double Bay</u></b> |
| <b>Number of Samples</b>                    | 12 SOIL                            |
| <b>Date samples received</b>                | 19/06/2018                         |
| <b>Date completed instructions received</b> | 25/06/2018                         |

### **Analysis Details**

Please refer to the following pages for results, methodology summary and quality control data.  
Samples were analysed as received from the client. Results relate specifically to the samples as received.  
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### **Report Details**

|   |            |
|---|------------|
| <b>Date results requested by</b>  | 02/07/2018 |
| <b>Date of Issue</b>  | 02/07/2018 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### **Results Approved By**

Priya Samarawickrama, Senior Chemist

#### **Authorised By**



Jacinta Hurst, Laboratory Manager

| Chromium Suite              |                         |            |            |
|-----------------------------|-------------------------|------------|------------|
| Our Reference               |                         | 194329-A-4 | 194329-A-8 |
| Your Reference              | UNITS                   | BH1        | BH2        |
| Depth                       |                         | 4.4-4.5    | 5.4-5.5    |
| Type of sample              |                         | SOIL       | SOIL       |
| Date prepared               | -                       | 26/06/2018 | 26/06/2018 |
| Date analysed               | -                       | 26/06/2018 | 26/06/2018 |
| pH <sub>KCl</sub>           | pH units                | 5.1        | 5.7        |
| s-TAA pH 6.5                | %w/w S                  | <0.01      | <0.01      |
| TAA pH 6.5                  | moles H <sup>+</sup> /t | <5         | <5         |
| Chromium Reducible Sulfur   | %w/w                    | 0.02       | 0.01       |
| a-Chromium Reducible Sulfur | moles H <sup>+</sup> /t | 13         | 6          |
| S <sub>HCl</sub>            | %w/w S                  | <0.005     | <0.005     |
| S <sub>KCl</sub>            | %w/w S                  | <0.005     | <0.005     |
| S <sub>NAS</sub>            | %w/w S                  | <0.005     | <0.005     |
| ANC <sub>BT</sub>           | % CaCO <sub>3</sub>     | <0.05      | <0.05      |
| s-ANC <sub>BT</sub>         | %w/w S                  | <0.05      | <0.05      |
| s-Net Acidity               | %w/w S                  | 0.028      | 0.010      |
| a-Net Acidity               | moles H <sup>+</sup> /t | 17         | 6.3        |
| Liming rate                 | kg CaCO <sub>3</sub> /t | 1.3        | <0.75      |
| a-Net Acidity without ANCE  | moles H <sup>+</sup> /t | 17         | 6.3        |
| Liming rate without ANCE    | kg CaCO <sub>3</sub> /t | 1.3        | <0.75      |
| s-Net Acidity without ANCE  | %w/w S                  | 0.028      | 0.010      |

| Method ID | Methodology Summary   |
|-----------|---|
| Inorg-068 | Chromium Reducible Sulfur - Hydrogen Sulfide is quantified by iodometric titration after distillation to determine potential acidity. Based on Acid Sulfate Soils Laboratory Methods Guidelines, Version 2.1 - June 2004. |



| QUALITY CONTROL: Chromium Suite |                         |       |           |            | Duplicate |      |      | Spike Recovery % |            |      |
|---------------------------------|-------------------------|-------|-----------|------------|-----------|------|------|------------------|------------|------|
| Test Description                | Units                   | PQL   | Method    | Blank      | #         | Base | Dup. | RPD              | LCS-1      | [NT] |
| Date prepared                   | -                       |       |           | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| Date analysed                   | -                       |       |           | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| pH <sub>kcl</sub>               | pH units                |       | Inorg-068 | [NT]       | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| s-TAA pH 6.5                    | %w/w S                  | 0.01  | Inorg-068 | <0.01      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| TAA pH 6.5                      | moles H <sup>+</sup> /t | 5     | Inorg-068 | <5         | [NT]      | [NT] | [NT] | [NT]             | 85         | [NT] |
| Chromium Reducible Sulfur       | %w/w                    | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| a-Chromium Reducible Sulfur     | moles H <sup>+</sup> /t | 3     | Inorg-068 | <3         | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| S <sub>HCl</sub>                | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| S <sub>KCl</sub>                | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| S <sub>NAS</sub>                | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| ANC <sub>BT</sub>               | % CaCO <sub>3</sub>     | 0.05  | Inorg-068 | <0.05      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| s-ANC <sub>BT</sub>             | %w/w S                  | 0.05  | Inorg-068 | <0.05      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| s-Net Acidity                   | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| a-Net Acidity                   | moles H <sup>+</sup> /t | 5     | Inorg-068 | <5         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Liming rate                     | kg CaCO <sub>3</sub> /t | 0.75  | Inorg-068 | <0.75      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| a-Net Acidity without ANCE      | moles H <sup>+</sup> /t | 5     | Inorg-068 | <5         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Liming rate without ANCE        | kg CaCO <sub>3</sub> /t | 0.75  | Inorg-068 | <0.75      | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| s-Net Acidity without ANCE      | %w/w S                  | 0.005 | Inorg-068 | <0.005     | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |

| Result Definitions |   |
|--------------------|---|
| <b>NT</b>          | Not tested                                |
| <b>NA</b>          | Test not required                         |
| <b>INS</b>         | Insufficient sample for this test         |
| <b>PQL</b>         | Practical Quantitation Limit              |
| <b>&lt;</b>        | Less than                                 |
| <b>&gt;</b>        | Greater than                              |
| <b>RPD</b>         | Relative Percent Difference               |
| <b>LCS</b>         | Laboratory Control Sample                 |
| <b>NS</b>          | Not specified                             |
| <b>NEPM</b>        | National Environmental Protection Measure |
| <b>NR</b>          | Not Reported                              |

| Quality Control Definitions  |  |
|--|--|
| <b>Blank</b>   | 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.           |
| <b>Duplicate</b>   | 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.   |
| <b>Matrix Spike</b>  | 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. |
| <b>LCS (Laboratory Control Sample)</b>   | 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.                                |
| <b>Surrogate Spike</b>   | 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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

**From:** Konrad Schultz [mailto:Konrad.Schultz@douglaspartners.com.au]  
**Sent:** Monday, 25 June 2018 4:21 PM  
**To:** Jacinta Hurst <JHurst@envirolab.com.au>  
**Cc:** Jeremie Young <Jeremie.Young@douglaspartners.com.au>; Paul Gorman <Paul.Gorman@douglaspartners.com.au>  
**Subject:** RE: Results for Registration 194329 86397.00, Double Bay

Jacinta, 4 8  
Is there enough sample left to do chromium suite tests on samples from BH1 4.4-4.5m and BH2 5.4-5.5?  
Regards  
Konrad

---

**Konrad Schultz** | Principal  
**Douglas Partners Pty Ltd** | ABN 75 053 980 117 | [www.douglaspartners.com.au](http://www.douglaspartners.com.au)  
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685  
P: 02 8878 0676 | F: 02 9809 4095 | M: 0408 095 436 | E: [Konrad.Schultz@douglaspartners.com.au](mailto:Konrad.Schultz@douglaspartners.com.au)



FINANCIAL REVIEW  
**CLIENT CHOICE AWARD**  
**WINNER**

---

This email is confidential. If you are not the intended recipient, please notify us immediately and be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. Please note that the company does not make any commitment through emails not confirmed by fax or letter.

**From:** Jacinta Hurst [mailto:JHurst@envirolab.com.au]  
**Sent:** Friday, 22 June 2018 6:44 PM  
**To:** Konrad Schultz  
**Subject:** Results for Registration 194329 86397.00, Double Bay

ELS: 194329-A  
TAT: 5 days  
Due: 2/7/18

*Attz*

Please refer to attached for:  
a copy of the Certificate of Analysis  
a copy of the COC/paperwork received from you  
ESDAT Extracts  
an Excel or .csv file containing the results  
Please note that a hard copy will not be posted.

We have a new reporting format and would welcome your feedback. [Sydney@envirolab.com.au](mailto:Sydney@envirolab.com.au)

Enquiries should be made directly to:  
[customerservice@envirolab.com.au](mailto:customerservice@envirolab.com.au)

Regards,

Jacinta Hurst | Laboratory Manager, Sydney | Envirolab Services Pty Ltd

*Great Science, Great Service.*

12 Ashley Street Chatswood NSW 2067  
T 612 9910 6200 F 612 9910 6201 M 0407 003 037  
E [jhurst@envirolab.com.au](mailto:jhurst@envirolab.com.au) | W [www.envirolab.com.au](http://www.envirolab.com.au)

## SAMPLE RECEIPT ADVICE

| Client Details   |  |
|------------------|--|
| <b>Client</b>    | Douglas Partners Pty Ltd                   |
| <b>Attention</b> | Paul Gorman, Konrad Schultz, Jeremie Young |

| Sample Login Details                        |                      |
|---|----------------------|
| <b>Your reference</b>                       | 86397.00, Double Bay |
| <b>Envirolab Reference</b>                  | 194329-A             |
| <b>Date Sample Received</b>                 | 19/06/2018           |
| <b>Date Instructions Received</b>           | 25/06/2018           |
| <b>Date Results Expected to be Reported</b> | 02/07/2018           |

| Sample Condition  |          |
|---|----------|
| <b>Samples received in appropriate condition for analysis</b> | YES      |
| <b>No. of Samples Provided</b>                                | 12 SOIL  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 2.2      |
| <b>Cooling Method</b>   | Ice      |
| <b>Sampling Date Provided</b>                                 | YES      |

| Comments |
|----------|
| Nil      |

Please direct any queries to:

| Aileen Hie                          | Jacinta Hurst                         |
|-------------------------------------|---------------------------------------|
| <b>Phone:</b> 02 9910 6200          | <b>Phone:</b> 02 9910 6200            |
| <b>Fax:</b> 02 9910 6201            | <b>Fax:</b> 02 9910 6201              |
| <b>Email:</b> ahie@envirolab.com.au | <b>Email:</b> jhurst@envirolab.com.au |

*Analysis Underway, details on the following page:*

| Sample ID      | Chromium Suite | On Hold |
|----------------|----------------|---------|
| BH1-1.9-2      |                | ✓       |
| BH1-2.4-2.5    |                | ✓       |
| BH1-2.9-3      |                | ✓       |
| BH1-4.4-4.5    | ✓              |         |
| BH2-1.9-2      |                | ✓       |
| BH2-2.4-2.5    |                | ✓       |
| BH2-3.9-4.0    |                | ✓       |
| BH2-5.4-5.5    | ✓              |         |
| BH3-3.0-3.1    |                | ✓       |
| BH3-4.0-4.1    |                | ✓       |
| BH3-5.5-5.6    |                | ✓       |
| BH3-10.0-10.45 |                | ✓       |

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.

## CERTIFICATE OF ANALYSIS 194751

### Client Details

|                  |                                       |
|------------------|---------------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd              |
| <b>Attention</b> | Paul Gorman, Joel James-Hall          |
| <b>Address</b>   | 96 Hermitage Rd, West Ryde, NSW, 2114 |

### Sample Details

|   |                                    |
|---|------------------------------------|
| <b>Your Reference</b>                       | <b><u>86397.00, Double Bay</u></b> |
| <b>Number of Samples</b>                    | 4 Water                            |
| <b>Date samples received</b>                | 25/06/2018                         |
| <b>Date completed instructions received</b> | 25/06/2018                         |

### Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.  
 Samples were analysed as received from the client. Results relate specifically to the samples as received.  
 Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

### Report Details

|   |            |
|---|------------|
| <b>Date results requested by</b>  | 02/07/2018 |
| <b>Date of Issue</b>  | 02/07/2018 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full.                       |            |
| Accredited for compliance with ISO/IEC 17025 - Testing. <b>Tests not covered by NATA are denoted with *</b> |            |

#### Results Approved By

Dragana Tomas, Senior Chemist  
 Jeremy Faircloth, Organics Supervisor  
 Long Pham, Team Leader, Metals  
 Priya Samarawickrama, Senior Chemist  
 Steven Luong, Senior Chemist

#### Authorised By



Jacinta Hurst, Laboratory Manager



| VOCs in water             |       |            |            |            |
|---------------------------|-------|------------|------------|------------|
| Our Reference             | UNITS | 194751-1   | 194751-2   | 194751-3   |
| Your Reference            |       | BH1        | BH2        | BH3        |
| Date Sampled              |       | 22/06/2018 | 22/06/2018 | 22/06/2018 |
| Type of sample            |       | Water      | Water      | Water      |
| Date extracted            | -     | 26/06/2018 | 26/06/2018 | 26/06/2018 |
| Date analysed             | -     | 28/06/2018 | 28/06/2018 | 28/06/2018 |
| Dichlorodifluoromethane   | µg/L  | <10        | <10        | <10        |
| Chloromethane             | µg/L  | <10        | <10        | <10        |
| Vinyl Chloride            | µg/L  | <10        | <10        | <10        |
| Bromomethane              | µg/L  | <10        | <10        | <10        |
| Chloroethane              | µg/L  | <10        | <10        | <10        |
| Trichlorofluoromethane    | µg/L  | <10        | <10        | <10        |
| 1,1-Dichloroethene        | µg/L  | <1         | <1         | <1         |
| Trans-1,2-dichloroethene  | µg/L  | <1         | <1         | <1         |
| 1,1-dichloroethane        | µg/L  | <1         | <1         | <1         |
| Cis-1,2-dichloroethene    | µg/L  | <1         | <1         | <1         |
| Bromochloromethane        | µg/L  | <1         | <1         | <1         |
| Chloroform                | µg/L  | <1         | 2          | 3          |
| 2,2-dichloropropane       | µg/L  | <1         | <1         | <1         |
| 1,2-dichloroethane        | µg/L  | <1         | <1         | <1         |
| 1,1,1-trichloroethane     | µg/L  | <1         | <1         | <1         |
| 1,1-dichloropropene       | µg/L  | <1         | <1         | <1         |
| Cyclohexane               | µg/L  | <1         | <1         | <1         |
| Carbon tetrachloride      | µg/L  | <1         | <1         | <1         |
| Benzene                   | µg/L  | <1         | <1         | <1         |
| Dibromomethane            | µg/L  | <1         | <1         | <1         |
| 1,2-dichloropropane       | µg/L  | <1         | <1         | <1         |
| Trichloroethene           | µg/L  | <1         | <1         | <1         |
| Bromodichloromethane      | µg/L  | <1         | <1         | <1         |
| trans-1,3-dichloropropene | µg/L  | <1         | <1         | <1         |
| cis-1,3-dichloropropene   | µg/L  | <1         | <1         | <1         |
| 1,1,2-trichloroethane     | µg/L  | <1         | <1         | <1         |
| Toluene                   | µg/L  | <1         | 1          | <1         |
| 1,3-dichloropropane       | µg/L  | <1         | <1         | <1         |
| Dibromochloromethane      | µg/L  | <1         | <1         | <1         |
| 1,2-dibromoethane         | µg/L  | <1         | <1         | <1         |
| Tetrachloroethene         | µg/L  | <1         | <1         | <1         |
| 1,1,1,2-tetrachloroethane | µg/L  | <1         | <1         | <1         |
| Chlorobenzene             | µg/L  | <1         | <1         | <1         |
| Ethylbenzene              | µg/L  | <1         | <1         | <1         |
| Bromoform                 | µg/L  | <1         | <1         | <1         |

| VOCs in water                  |       |            |            |            |
|--------------------------------|-------|------------|------------|------------|
| Our Reference                  |       | 194751-1   | 194751-2   | 194751-3   |
| Your Reference                 | UNITS | BH1        | BH2        | BH3        |
| Date Sampled                   |       | 22/06/2018 | 22/06/2018 | 22/06/2018 |
| Type of sample                 |       | Water      | Water      | Water      |
| m+p-xylene                     | µg/L  | <2         | 7          | <2         |
| Styrene                        | µg/L  | <1         | <1         | <1         |
| 1,1,2,2-tetrachloroethane      | µg/L  | <1         | <1         | <1         |
| o-xylene                       | µg/L  | <1         | 2          | <1         |
| 1,2,3-trichloropropane         | µg/L  | <1         | <1         | <1         |
| Isopropylbenzene               | µg/L  | <1         | <1         | <1         |
| Bromobenzene                   | µg/L  | <1         | <1         | <1         |
| n-propyl benzene               | µg/L  | <1         | <1         | <1         |
| 2-chlorotoluene                | µg/L  | <1         | <1         | <1         |
| 4-chlorotoluene                | µg/L  | <1         | <1         | <1         |
| 1,3,5-trimethyl benzene        | µg/L  | <1         | 2          | <1         |
| Tert-butyl benzene             | µg/L  | <1         | <1         | <1         |
| 1,2,4-trimethyl benzene        | µg/L  | <1         | 5          | <1         |
| 1,3-dichlorobenzene            | µg/L  | <1         | <1         | <1         |
| Sec-butyl benzene              | µg/L  | <1         | 4          | <1         |
| 1,4-dichlorobenzene            | µg/L  | <1         | <1         | <1         |
| 4-isopropyl toluene            | µg/L  | <1         | <1         | <1         |
| 1,2-dichlorobenzene            | µg/L  | <1         | <1         | <1         |
| n-butyl benzene                | µg/L  | <1         | <1         | <1         |
| 1,2-dibromo-3-chloropropane    | µg/L  | <1         | <1         | <1         |
| 1,2,4-trichlorobenzene         | µg/L  | <1         | <1         | <1         |
| Hexachlorobutadiene            | µg/L  | <1         | <1         | <1         |
| 1,2,3-trichlorobenzene         | µg/L  | <1         | <1         | <1         |
| Surrogate Dibromofluoromethane | %     | 113        | 113        | 111        |
| Surrogate toluene-d8           | %     | 96         | 97         | 95         |
| Surrogate 4-BFB                | %     | 90         | 98         | 90         |

| vTRH(C6-C10)/BTEXN in Water                         |       |            |            |            |              |
|---|-------|------------|------------|------------|--------------|
| Our Reference                                       |       | 194751-1   | 194751-2   | 194751-3   | 194751-4     |
| Your Reference                                      | UNITS | BH1        | BH2        | BH3        | BD1/20180622 |
| Date Sampled  |       | 22/06/2018 | 22/06/2018 | 22/06/2018 | 22/06/2018   |
| Type of sample                                      |       | Water      | Water      | Water      | Water        |
| Date extracted                                      | -     | 26/06/2018 | 26/06/2018 | 26/06/2018 | 26/06/2018   |
| Date analysed                                       | -     | 28/06/2018 | 28/06/2018 | 28/06/2018 | 28/06/2018   |
| TRH C <sub>6</sub> - C <sub>9</sub>                 | µg/L  | <10        | 31         | <10        | 29           |
| TRH C <sub>6</sub> - C <sub>10</sub>                | µg/L  | <10        | 66         | <10        | 66           |
| TRH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1) | µg/L  | <10        | 55         | <10        | 56           |
| Benzene   | µg/L  | <1         | <1         | <1         | <1           |
| Toluene   | µg/L  | <1         | 1          | <1         | 1            |
| Ethylbenzene  | µg/L  | <1         | <1         | <1         | <1           |
| m+p-xylene  | µg/L  | <2         | 7          | <2         | 7            |
| o-xylene  | µg/L  | <1         | 2          | <1         | 2            |
| Naphthalene   | µg/L  | <1         | <1         | <1         | <1           |
| Surrogate Dibromofluoromethane                      | %     | 113        | 113        | 111        | 113          |
| Surrogate toluene-d8                                | %     | 96         | 97         | 95         | 97           |
| Surrogate 4-BFB                                     | %     | 90         | 98         | 90         | 99           |

| svTRH (C10-C40) in Water                                     |       |            |            |            |              |
|--|-------|------------|------------|------------|--------------|
| Our Reference  |       | 194751-1   | 194751-2   | 194751-3   | 194751-4     |
| Your Reference   | UNITS | BH1        | BH2        | BH3        | BD1/20180622 |
| Date Sampled   |       | 22/06/2018 | 22/06/2018 | 22/06/2018 | 22/06/2018   |
| Type of sample   |       | Water      | Water      | Water      | Water        |
| Date extracted   | -     | 26/06/2018 | 26/06/2018 | 26/06/2018 | 26/06/2018   |
| Date analysed  | -     | 28/06/2018 | 28/06/2018 | 28/06/2018 | 28/06/2018   |
| TRH C <sub>10</sub> - C <sub>14</sub>                        | µg/L  | <50        | 130        | <50        | 120          |
| TRH C <sub>15</sub> - C <sub>28</sub>                        | µg/L  | <100       | <100       | <100       | <100         |
| TRH C <sub>29</sub> - C <sub>36</sub>                        | µg/L  | <100       | <100       | <100       | <100         |
| TRH >C <sub>10</sub> - C <sub>16</sub>                       | µg/L  | <50        | 57         | <50        | 63           |
| TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2) | µg/L  | <50        | 57         | <50        | 63           |
| TRH >C <sub>16</sub> - C <sub>34</sub>                       | µg/L  | <100       | <100       | <100       | <100         |
| TRH >C <sub>34</sub> - C <sub>40</sub>                       | µg/L  | <100       | <100       | <100       | <100         |
| Surrogate o-Terphenyl  | %     | 130        | 97         | 118        | 116          |

| PAHs in Water                     |       |            |            |            |
|-----------------------------------|-------|------------|------------|------------|
| Our Reference                     |       | 194751-1   | 194751-2   | 194751-3   |
| Your Reference                    | UNITS | BH1        | BH2        | BH3        |
| Date Sampled                      |       | 22/06/2018 | 22/06/2018 | 22/06/2018 |
| Type of sample                    |       | Water      | Water      | Water      |
| Date extracted                    | -     | 27/06/2018 | 27/06/2018 | 27/06/2018 |
| Date analysed                     | -     | 28/06/2018 | 28/06/2018 | 28/06/2018 |
| Naphthalene                       | µg/L  | <1         | <1         | <1         |
| Acenaphthylene                    | µg/L  | <1         | <1         | <1         |
| Acenaphthene                      | µg/L  | <1         | <1         | <1         |
| Fluorene                          | µg/L  | <1         | <1         | <1         |
| Phenanthrene                      | µg/L  | <1         | <1         | <1         |
| Anthracene                        | µg/L  | <1         | <1         | <1         |
| Fluoranthene                      | µg/L  | <1         | <1         | <1         |
| Pyrene                            | µg/L  | <1         | <1         | <1         |
| Benzo(a)anthracene                | µg/L  | <1         | <1         | <1         |
| Chrysene                          | µg/L  | <1         | <1         | <1         |
| Benzo(b,j+k)fluoranthene          | µg/L  | <2         | <2         | <2         |
| Benzo(a)pyrene                    | µg/L  | <1         | <1         | <1         |
| Indeno(1,2,3-c,d)pyrene           | µg/L  | <1         | <1         | <1         |
| Dibenzo(a,h)anthracene            | µg/L  | <1         | <1         | <1         |
| Benzo(g,h,i)perylene              | µg/L  | <1         | <1         | <1         |
| Benzo(a)pyrene TEQ                | µg/L  | <5         | <5         | <5         |
| Total +ve PAH's                   | µg/L  | NIL (+)VE  | NIL (+)VE  | NIL (+)VE  |
| Surrogate <i>p</i> -Terphenyl-d14 | %     | 97         | 76         | 95         |

| OCP in water        |       |            |            |            |
|---------------------|-------|------------|------------|------------|
| Our Reference       |       | 194751-1   | 194751-2   | 194751-3   |
| Your Reference      | UNITS | BH1        | BH2        | BH3        |
| Date Sampled        |       | 22/06/2018 | 22/06/2018 | 22/06/2018 |
| Type of sample      |       | Water      | Water      | Water      |
| Date extracted      | -     | 26/06/2018 | 26/06/2018 | 26/06/2018 |
| Date analysed       | -     | 27/06/2018 | 27/06/2018 | 28/06/2018 |
| HCB                 | µg/L  | <0.2       | <0.2       | <0.2       |
| alpha-BHC           | µg/L  | <0.2       | <0.2       | <0.2       |
| gamma-BHC           | µg/L  | <0.2       | <0.2       | <0.2       |
| beta-BHC            | µg/L  | <0.2       | <0.2       | <0.2       |
| Heptachlor          | µg/L  | <0.2       | <0.2       | <0.2       |
| delta-BHC           | µg/L  | <0.2       | <0.2       | <0.2       |
| Aldrin              | µg/L  | <0.2       | <0.2       | <0.2       |
| Heptachlor Epoxide  | µg/L  | <0.2       | <0.2       | <0.2       |
| gamma-Chlordane     | µg/L  | <0.2       | <0.2       | <0.2       |
| alpha-Chlordane     | µg/L  | <0.2       | <0.2       | <0.2       |
| Endosulfan I        | µg/L  | <0.2       | <0.2       | <0.2       |
| pp-DDE              | µg/L  | <0.2       | <0.2       | <0.2       |
| Dieldrin            | µg/L  | <0.2       | <0.2       | <0.2       |
| Endrin              | µg/L  | <0.2       | <0.2       | <0.2       |
| pp-DDD              | µg/L  | <0.2       | <0.2       | <0.2       |
| Endosulfan II       | µg/L  | <0.2       | <0.2       | <0.2       |
| pp-DDT              | µg/L  | <0.2       | <0.2       | <0.2       |
| Endrin Aldehyde     | µg/L  | <0.2       | <0.2       | <0.2       |
| Endosulfan Sulphate | µg/L  | <0.2       | <0.2       | <0.2       |
| Methoxychlor        | µg/L  | <0.2       | <0.2       | <0.2       |
| Surrogate TCMX      | %     | 101        | 94         | 90         |

| OP Pesticides in water    |       |            |            |            |
|---------------------------|-------|------------|------------|------------|
| Our Reference             |       | 194751-1   | 194751-2   | 194751-3   |
| Your Reference            | UNITS | BH1        | BH2        | BH3        |
| Date Sampled              |       | 22/06/2018 | 22/06/2018 | 22/06/2018 |
| Type of sample            |       | Water      | Water      | Water      |
| Date extracted            | -     | 26/06/2018 | 26/06/2018 | 26/06/2018 |
| Date analysed             | -     | 27/06/2018 | 27/06/2018 | 28/06/2018 |
| Azinphos-methyl (Guthion) | µg/L  | <0.2       | <0.2       | <0.2       |
| Bromophos ethyl           | µg/L  | <0.2       | <0.2       | <0.2       |
| Chlorpyrifos              | µg/L  | <0.2       | <0.2       | <0.2       |
| Chlorpyrifos-methyl       | µg/L  | <0.2       | <0.2       | <0.2       |
| Diazinon                  | µg/L  | <0.2       | <0.2       | <0.2       |
| Dichlorvos                | µg/L  | <0.2       | <0.2       | <0.2       |
| Dimethoate                | µg/L  | <0.2       | <0.2       | <0.2       |
| Ethion                    | µg/L  | <0.2       | <0.2       | <0.2       |
| Fenitrothion              | µg/L  | <0.2       | <0.2       | <0.2       |
| Malathion                 | µg/L  | <0.2       | <0.2       | <0.2       |
| Parathion                 | µg/L  | <0.2       | <0.2       | <0.2       |
| Ronnel                    | µg/L  | <0.2       | <0.2       | <0.2       |
| Surrogate TCMX            | %     | 101        | 94         | 90         |



| HM in water - dissolved |       |            |            |            |              |
|-------------------------|-------|------------|------------|------------|--------------|
| Our Reference           |       | 194751-1   | 194751-2   | 194751-3   | 194751-4     |
| Your Reference          | UNITS | BH1        | BH2        | BH3        | BD1/20180622 |
| Date Sampled            |       | 22/06/2018 | 22/06/2018 | 22/06/2018 | 22/06/2018   |
| Type of sample          |       | Water      | Water      | Water      | Water        |
| Date prepared           | -     | 28/06/2018 | 28/06/2018 | 28/06/2018 | 28/06/2018   |
| Date analysed           | -     | 28/06/2018 | 28/06/2018 | 28/06/2018 | 28/06/2018   |
| Arsenic-Dissolved       | µg/L  | 5          | <1         | 1          | <1           |
| Cadmium-Dissolved       | µg/L  | <0.1       | <0.1       | <0.1       | <0.1         |
| Chromium-Dissolved      | µg/L  | <1         | <1         | <1         | <1           |
| Copper-Dissolved        | µg/L  | 1          | <1         | 5          | 1            |
| Lead-Dissolved          | µg/L  | <1         | <1         | <1         | <1           |
| Mercury-Dissolved       | µg/L  | <0.05      | <0.05      | <0.05      | <0.05        |
| Nickel-Dissolved        | µg/L  | <1         | <1         | <1         | <1           |
| Zinc-Dissolved          | µg/L  | 8          | 7          | 160        | 7            |

| Total Phenolics in Water    |       |            |            |            |
|-----------------------------|-------|------------|------------|------------|
| Our Reference               |       | 194751-1   | 194751-2   | 194751-3   |
| Your Reference              | UNITS | BH1        | BH2        | BH3        |
| Date Sampled                |       | 22/06/2018 | 22/06/2018 | 22/06/2018 |
| Type of sample              |       | Water      | Water      | Water      |
| Date extracted              | -     | 26/06/2018 | 26/06/2018 | 26/06/2018 |
| Date analysed               | -     | 26/06/2018 | 26/06/2018 | 26/06/2018 |
| Total Phenolics (as Phenol) | mg/L  | <0.05      | <0.05      | <0.05      |

| Method ID         | Methodology Summary  |
|-------------------|--|
| <b>Inorg-031</b>  | Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.  |
| <b>Metals-021</b> | Determination of Mercury by Cold Vapour AAS.   |
| <b>Metals-022</b> | Determination of various metals by ICP-MS.   |
| <b>Org-003</b>    | 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. |
| <b>Org-005</b>    | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.  |
| <b>Org-008</b>    | Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.  |
| <b>Org-012</b>    | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.  |
| <b>Org-013</b>    | Water samples are analysed directly by purge and trap GC-MS.   |
| <b>Org-016</b>    | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.                                |

**Client Reference: 86397.00, Double Bay**

| QUALITY CONTROL: VOCs in water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|--------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description               | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                 | -     |     |         | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| Date analysed                  | -     |     |         | 28/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 28/06/2018 | [NT] |
| Dichlorodifluoromethane        | µg/L  | 10  | Org-013 | <10        | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chloromethane                  | µg/L  | 10  | Org-013 | <10        | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Vinyl Chloride                 | µg/L  | 10  | Org-013 | <10        | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Bromomethane                   | µg/L  | 10  | Org-013 | <10        | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chloroethane                   | µg/L  | 10  | Org-013 | <10        | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Trichlorofluoromethane         | µg/L  | 10  | Org-013 | <10        | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1-Dichloroethene             | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Trans-1,2-dichloroethene       | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1-dichloroethane             | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| Cis-1,2-dichloroethene         | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Bromochloromethane             | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chloroform                     | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| 2,2-dichloropropane            | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,2-dichloroethane             | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 90         | [NT] |
| 1,1,1-trichloroethane          | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 96         | [NT] |
| 1,1-dichloropropene            | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Cyclohexane                    | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Carbon tetrachloride           | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzene                        | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibromomethane                 | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,2-dichloropropane            | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Trichloroethene                | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 129        | [NT] |
| Bromodichloromethane           | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| trans-1,3-dichloropropene      | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| cis-1,3-dichloropropene        | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1,2-trichloroethane          | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Toluene                        | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,3-dichloropropane            | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibromochloromethane           | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 90         | [NT] |
| 1,2-dibromoethane              | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Tetrachloroethene              | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | 90         | [NT] |
| 1,1,1,2-tetrachloroethane      | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chlorobenzene                  | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Ethylbenzene                   | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Bromoform                      | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| m+p-xylene                     | µg/L  | 2   | Org-013 | <2         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Styrene                        | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| 1,1,2,2-tetrachloroethane      | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| o-xylene                       | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |

| QUALITY CONTROL: VOCs in water |       |     |         |       | Duplicate |      |      | Spike Recovery % |        |      |
|--------------------------------|-------|-----|---------|-------|-----------|------|------|------------------|--------|------|
| Test Description               | Units | PQL | Method  | Blank | #         | Base | Dup. | RPD              | LCS-W1 | [NT] |
| 1,2,3-trichloropropane         | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| Isopropylbenzene               | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| Bromobenzene                   | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| n-propyl benzene               | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 2-chlorotoluene                | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 4-chlorotoluene                | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,3,5-trimethyl benzene        | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| Tert-butyl benzene             | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,2,4-trimethyl benzene        | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,3-dichlorobenzene            | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| Sec-butyl benzene              | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,4-dichlorobenzene            | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 4-isopropyl toluene            | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,2-dichlorobenzene            | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| n-butyl benzene                | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,2-dibromo-3-chloropropane    | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,2,4-trichlorobenzene         | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| Hexachlorobutadiene            | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| 1,2,3-trichlorobenzene         | µg/L  | 1   | Org-013 | <1    | [NT]      | [NT] | [NT] | [NT]             | [NT]   | [NT] |
| Surrogate Dibromofluoromethane | %     |     | Org-013 | 103   | [NT]      | [NT] | [NT] | [NT]             | 97     | [NT] |
| Surrogate toluene-d8           | %     |     | Org-013 | 97    | [NT]      | [NT] | [NT] | [NT]             | 99     | [NT] |
| Surrogate 4-BFB                | %     |     | Org-013 | 91    | [NT]      | [NT] | [NT] | [NT]             | 102    | [NT] |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|--|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                             | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                               | -     |     |         | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| Date analysed                                | -     |     |         | 28/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 28/06/2018 | [NT] |
| TRH C <sub>6</sub> - C <sub>9</sub>          | µg/L  | 10  | Org-016 | <10        | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| TRH C <sub>6</sub> - C <sub>10</sub>         | µg/L  | 10  | Org-016 | <10        | [NT]      | [NT] | [NT] | [NT]             | 93         | [NT] |
| Benzene                                      | µg/L  | 1   | Org-016 | <1         | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| Toluene                                      | µg/L  | 1   | Org-016 | <1         | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| Ethylbenzene                                 | µg/L  | 1   | Org-016 | <1         | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| m+p-xylene                                   | µg/L  | 2   | Org-016 | <2         | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| o-xylene                                     | µg/L  | 1   | Org-016 | <1         | [NT]      | [NT] | [NT] | [NT]             | 94         | [NT] |
| Naphthalene                                  | µg/L  | 1   | Org-013 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate Dibromofluoromethane               | %     |     | Org-016 | 103        | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| Surrogate toluene-d8                         | %     |     | Org-016 | 97         | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| Surrogate 4-BFB                              | %     |     | Org-016 | 91         | [NT]      | [NT] | [NT] | [NT]             | 102        | [NT] |

| QUALITY CONTROL: svTRH (C10-C40) in Water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|---|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                          | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W2     | [NT] |
| Date extracted                            | -     |     |         | 27/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 27/06/2018 | [NT] |
| Date analysed                             | -     |     |         | 27/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 27/06/2018 | [NT] |
| TRH C <sub>10</sub> - C <sub>14</sub>     | µg/L  | 50  | Org-003 | <50        | [NT]      | [NT] | [NT] | [NT]             | 124        | [NT] |
| TRH C <sub>15</sub> - C <sub>28</sub>     | µg/L  | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 113        | [NT] |
| TRH C <sub>29</sub> - C <sub>36</sub>     | µg/L  | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 100        | [NT] |
| TRH >C <sub>10</sub> - C <sub>16</sub>    | µg/L  | 50  | Org-003 | <50        | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| TRH >C <sub>16</sub> - C <sub>34</sub>    | µg/L  | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 113        | [NT] |
| TRH >C <sub>34</sub> - C <sub>40</sub>    | µg/L  | 100 | Org-003 | <100       | [NT]      | [NT] | [NT] | [NT]             | 100        | [NT] |
| Surrogate o-Terphenyl                     | %     |     | Org-003 | 104        | [NT]      | [NT] | [NT] | [NT]             | 118        | [NT] |



| QUALITY CONTROL: PAHs in Water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|--------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description               | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                 | -     |     |         | 27/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 27/06/2018 | [NT] |
| Date analysed                  | -     |     |         | 28/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 28/06/2018 | [NT] |
| Naphthalene                    | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | 73         | [NT] |
| Acenaphthylene                 | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Acenaphthene                   | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluorene                       | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | 88         | [NT] |
| Phenanthrene                   | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | 91         | [NT] |
| Anthracene                     | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Fluoranthene                   | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | 95         | [NT] |
| Pyrene                         | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | 101        | [NT] |
| Benzo(a)anthracene             | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chrysene                       | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | 89         | [NT] |
| Benzo(b,j+k)fluoranthene       | µg/L  | 2   | Org-012 | <2         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(a)pyrene                 | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | 86         | [NT] |
| Indeno(1,2,3-c,d)pyrene        | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dibenzo(a,h)anthracene         | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Benzo(g,h,i)perylene           | µg/L  | 1   | Org-012 | <1         | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate p-Terphenyl-d14      | %     |     | Org-012 | 101        | [NT]      | [NT] | [NT] | [NT]             | 101        | [NT] |

| QUALITY CONTROL: OCP in water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|-------------------------------|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description              | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                | -     |     |         | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| Date analysed                 | -     |     |         | 28/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 27/06/2018 | [NT] |
| HCB                           | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| alpha-BHC                     | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 99         | [NT] |
| gamma-BHC                     | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| beta-BHC                      | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 100        | [NT] |
| Heptachlor                    | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 106        | [NT] |
| delta-BHC                     | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Aldrin                        | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 110        | [NT] |
| Heptachlor Epoxide            | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 107        | [NT] |
| gamma-Chlordane               | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| alpha-Chlordane               | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endosulfan I                  | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| pp-DDE                        | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 119        | [NT] |
| Dieldrin                      | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 127        | [NT] |
| Endrin                        | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 111        | [NT] |
| pp-DDD                        | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 117        | [NT] |
| Endosulfan II                 | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| pp-DDT                        | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endrin Aldehyde               | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Endosulfan Sulphate           | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 124        | [NT] |
| Methoxychlor                  | µg/L  | 0.2 | Org-005 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Surrogate TCMX                | %     |     | Org-005 | 109        | [NT]      | [NT] | [NT] | [NT]             | 102        | [NT] |

| QUALITY CONTROL: OP Pesticides in water |       |     |         |            | Duplicate |      |      | Spike Recovery % |            |      |
|---|-------|-----|---------|------------|-----------|------|------|------------------|------------|------|
| Test Description                        | Units | PQL | Method  | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                          | -     |     |         | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| Date analysed                           | -     |     |         | 28/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 27/06/2018 | [NT] |
| Azinphos-methyl (Guthion)               | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Bromophos ethyl                         | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Chlorpyrifos                            | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 85         | [NT] |
| Chlorpyrifos-methyl                     | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Diazinon                                | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Dichlorvos                              | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 83         | [NT] |
| Dimethoate                              | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | [NT]       | [NT] |
| Ethion                                  | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 97         | [NT] |
| Fenitrothion                            | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 91         | [NT] |
| Malathion                               | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 103        | [NT] |
| Parathion                               | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 101        | [NT] |
| Ronnel                                  | µg/L  | 0.2 | Org-008 | <0.2       | [NT]      | [NT] | [NT] | [NT]             | 92         | [NT] |
| Surrogate TCMX                          | %     |     | Org-008 | 109        | [NT]      | [NT] | [NT] | [NT]             | 98         | [NT] |

**Client Reference: 86397.00, Double Bay**

| QUALITY CONTROL: HM in water - dissolved |       |      |            |            |   | Duplicate  |            |     | Spike Recovery % |            |
|--|-------|------|------------|------------|---|------------|------------|-----|------------------|------------|
| Test Description                         | Units | PQL  | Method     | Blank      | # | Base       | Dup.       | RPD | LCS-W4           | 194751-2   |
| Date prepared                            | -     |      |            | 28/06/2018 | 1 | 28/06/2018 | 28/06/2018 |     | 28/06/2018       | 28/06/2018 |
| Date analysed                            | -     |      |            | 28/06/2018 | 1 | 28/06/2018 | 28/06/2018 |     | 28/06/2018       | 28/06/2018 |
| Arsenic-Dissolved                        | µg/L  | 1    | Metals-022 | <1         | 1 | 5          | [NT]       |     | 94               | [NT]       |
| Cadmium-Dissolved                        | µg/L  | 0.1  | Metals-022 | <0.1       | 1 | <0.1       | [NT]       |     | 96               | [NT]       |
| Chromium-Dissolved                       | µg/L  | 1    | Metals-022 | <1         | 1 | <1         | [NT]       |     | 93               | [NT]       |
| Copper-Dissolved                         | µg/L  | 1    | Metals-022 | <1         | 1 | 1          | [NT]       |     | 90               | [NT]       |
| Lead-Dissolved                           | µg/L  | 1    | Metals-022 | <1         | 1 | <1         | [NT]       |     | 98               | [NT]       |
| Mercury-Dissolved                        | µg/L  | 0.05 | Metals-021 | <0.05      | 1 | <0.05      | <0.05      | 0   | 89               | 78         |
| Nickel-Dissolved                         | µg/L  | 1    | Metals-022 | <1         | 1 | <1         | [NT]       |     | 92               | [NT]       |
| Zinc-Dissolved                           | µg/L  | 1    | Metals-022 | <1         | 1 | 8          | [NT]       |     | 95               | [NT]       |

Client Reference: 86397.00, Double Bay

| QUALITY CONTROL: Total Phenolics in Water |       |      |           |            | Duplicate |      |      | Spike Recovery % |            |      |
|---|-------|------|-----------|------------|-----------|------|------|------------------|------------|------|
| Test Description                          | Units | PQL  | Method    | Blank      | #         | Base | Dup. | RPD              | LCS-W1     | [NT] |
| Date extracted                            | -     |      |           | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| Date analysed                             | -     |      |           | 26/06/2018 | [NT]      | [NT] | [NT] | [NT]             | 26/06/2018 | [NT] |
| Total Phenolics (as Phenol)               | mg/L  | 0.05 | Inorg-031 | <0.05      | [NT]      | [NT] | [NT] | [NT]             | 100        | [NT] |

| Result Definitions |   |
|--------------------|---|
| <b>NT</b>          | Not tested                                |
| <b>NA</b>          | Test not required                         |
| <b>INS</b>         | Insufficient sample for this test         |
| <b>PQL</b>         | Practical Quantitation Limit              |
| <b>&lt;</b>        | Less than                                 |
| <b>&gt;</b>        | Greater than                              |
| <b>RPD</b>         | Relative Percent Difference               |
| <b>LCS</b>         | Laboratory Control Sample                 |
| <b>NS</b>          | Not specified                             |
| <b>NEPM</b>        | National Environmental Protection Measure |
| <b>NR</b>          | Not Reported                              |

| Quality Control Definitions  |  |
|--|--|
| <b>Blank</b>   | 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.           |
| <b>Duplicate</b>   | 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.   |
| <b>Matrix Spike</b>  | 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. |
| <b>LCS (Laboratory Control Sample)</b>   | 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.                                |
| <b>Surrogate Spike</b>   | 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: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.



FPM - ENVID/Form COC 02

## SAMPLE RECEIPT ADVICE

### Client Details

|                  |                              |
|------------------|------------------------------|
| <b>Client</b>    | Douglas Partners Pty Ltd     |
| <b>Attention</b> | Paul Gorman, Joel James-Hall |

### Sample Login Details

|   |                      |
|---|----------------------|
| <b>Your reference</b>                       | 86397.00, Double Bay |
| <b>Envirolab Reference</b>                  | 194751               |
| <b>Date Sample Received</b>                 | 25/06/2018           |
| <b>Date Instructions Received</b>           | 25/06/2018           |
| <b>Date Results Expected to be Reported</b> | 02/07/2018           |

### Sample Condition

|   |          |
|---|----------|
| <b>Samples received in appropriate condition for analysis</b> | YES      |
| <b>No. of Samples Provided</b>                                | 4 Water  |
| <b>Turnaround Time Requested</b>                              | Standard |
| <b>Temperature on Receipt (°C)</b>                            | 8.9      |
| <b>Cooling Method</b>   | Ice Pack |
| <b>Sampling Date Provided</b>                                 | YES      |

### Comments

Nil

Please direct any queries to:

| <b>Aileen Hie</b>                   | <b>Jacinta Hurst</b>                  |
|-------------------------------------|---------------------------------------|
| <b>Phone:</b> 02 9910 6200          | <b>Phone:</b> 02 9910 6200            |
| <b>Fax:</b> 02 9910 6201            | <b>Fax:</b> 02 9910 6201              |
| <b>Email:</b> ahie@envirolab.com.au | <b>Email:</b> jhurst@envirolab.com.au |

*Analysis Underway, details on the following page:*

| Sample ID    | VOCs in water | VTRH(C6-C10)/BTEXN in Water | svTRH (C10-C40) in Water | PAHsin Water | OCP in water | OP Pesticides in water | HM in water - dissolved | Total Phenolicsin Water |
|--------------|---------------|-----------------------------|--------------------------|--------------|--------------|------------------------|-------------------------|-------------------------|
| BH1          | ✓             | ✓                           | ✓                        | ✓            | ✓            | ✓                      | ✓                       | ✓                       |
| BH2          | ✓             | ✓                           | ✓                        | ✓            | ✓            | ✓                      | ✓                       | ✓                       |
| BH3          | ✓             | ✓                           | ✓                        | ✓            | ✓            | ✓                      | ✓                       | ✓                       |
| BD1/20180622 |               | ✓                           | ✓                        |              |              |                        | ✓                       |                         |

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.

---

## Appendix E

---

Groundwater Field Sheets

Explanatory Notes

Borehole Logs (BH1 to BH3)

## Groundwater Field Sheet

### Project and Bore Installation Details

|                             |                                  |
|-----------------------------|----------------------------------|
| Bore / Standpipe ID:        | BH1                              |
| Project Name:               | Proposed Residential Development |
| Project Number:             | 86397.00                         |
| Site Location:              | 19-27 Cross St. Double Bay       |
| Bore GPS Co-ord:            |                                  |
| Installation Date:          |                                  |
| GW Level (during drilling): | - m bgl                          |
| Well Depth:                 | m bgl                            |
| Screened Interval:          | m bgl                            |
| Contaminants/Comments:      | -                                |

$$\text{Bore Volume} = \text{casing volume} + \text{filter pack volume}$$

$$= \pi h_1 d_1^2 / 4 + \pi (h_2 d_2^2 / 4 - h_1 d_1^2 / 4)$$

Where:  $\pi = 3.14$

$n$  = porosity (0.3 for most filter pack material)

$h_1$  = height of water column

$d_1$  = diameter of annulus

$h_2$  = length of filter pack

$d_2$  = diameter of casing

Bore Vol Normally:  $7.2 * h$

### Bore Development Details

|                        |  |  |
|------------------------|--|--|
| Date/Time:             | 20.6.18  | 0800   |
| Purged By:             | SM   |  |
| GW Level (pre-purge):  | 1.22   | m bgl  |
| GW Level (post-purge): | 2.26   | m bgl  |
| PSH observed:          | Yes / No                                       | (interface / visual). Thickness if observed: |
| Observed Well Depth:   | 7.90   | m bgl  |
| Estimated Bore Volume: | 40.9   | L  |
| Total Volume Purged:   | (target: no drill mud, min 3 well vol. or dry) | 140 L  |
| Equipment:             | Twister pump, interface meter                  |  |

### Micropurge and Sampling Details

|                         |                                |  |
|-------------------------|--------------------------------|--|
| Date/Time:              | 22.6.18                        | 0730   |
| Sampled By:             | SM / LLN                       |  |
| Weather Conditions:     | clear                          |  |
| GW Level (pre-purge):   | 2.21                           | m bgl  |
| GW Level (post sample): | 2.27                           | m bgl  |
| PSH observed:           | Yes / No                       | (interface / visual). Thickness if observed: |
| Observed Well Depth:    | 7.88                           | m bgl  |
| Estimated Bore Volume:  | 40.2                           | L  |
| Total Volume Purged:    | 3                              | L  |
| Equipment:              | Peripump, interface meter, WQM |  |

### Water Quality Parameters

| Time / Volume                                | Temp (°C)    | DO (mg/L)           | EC (µS or mS/cm) | pH             | Turbidity      | Redox (mV)       |
|--|--------------|---------------------|------------------|----------------|----------------|------------------|
| <b>Stabilisation Criteria (3 readings)</b>   | <b>0.1°C</b> | <b>+/- 0.3 mg/L</b> | <b>+/- 3%</b>    | <b>+/- 0.1</b> | <b>+/- 10%</b> | <b>+/- 10 mV</b> |
| 07 44  | 11.4         | 1.85                | 582              | 5.16           | —              | 55               |
| 07 45  | 16.0         | 0.94                | 518              | 5.39           | —              | 24               |
| 07 46  | 19.3         | 0.74                | 499              | 5.60           | 78             | 11               |
| 07 47  | 20.2         | 0.53                | 494              | 5.41           | 63.4           | 1                |
| 07 48  | 20.6         | 0.50                | 492              | 5.43           | 50.7           | -10              |
| 07 49  | 20.7         | 0.45                | 492              | 5.45           | 46.3           | -16              |
| 07 50  | 20.8         | 0.40                | 492              | 5.46           | 45.1           | -21              |
| Additional Readings Following stabilisation: | DO % Sat     | SPC                 | TDS              |                |                |                  |

### Sample Details

|  |  |
|--|--|
| Sampling Depth (rationale):                        | 5 m bgl, middle of column  |
| Sample Appearance (e.g. colour, siltiness, odour): | light, pale yellow   |
| Sample ID:   | BH1  |
| QA/QC Samples:                                     |  |
| Sampling Containers and filtration:                | 1x Amber 1x purple 3x white<br>1x 500 mL Green 1x red (filtered) |
| Comments / Observations:                           |  |

## Groundwater Field Sheet

### Project and Bore Installation Details

|                             |                                  |
|-----------------------------|----------------------------------|
| Bore / Standpipe ID:        | BH2                              |
| Project Name:               | Proposed Residential Development |
| Project Number:             | 8639700                          |
| Site Location:              | 19-27 Cross St, Double Bay       |
| Bore GPS Co-ord:            |                                  |
| Installation Date:          |                                  |
| GW Level (during drilling): | - m bgl                          |
| Well Depth:                 | m bgl                            |
| Screened Interval:          | m bgl                            |
| Contaminants/Comments:      | -                                |

Bore Volume = casing volume + filter pack volume  
 $= \pi h_1 d_1^2 / 4 + n(\pi h_2 d_2^2 / 4 - \pi h_1 d_1^2 / 4)$   
 Where:  $\pi = 3.14$   
 $n$  = porosity (0.3 for most filter pack material)  
 $h_1$  = height of water column  
 $d_1$  = diameter of annulus  
 $h_2$  = length of filter pack  
 $d_2$  = diameter of casing  
 Bore Vol Normally:  $7.2 * h$

### Bore Development Details

|                        |   |
|------------------------|---|
| Date/Time:             | 20.6.18 0900  |
| Purged By:             | SSH   |
| GW Level (pre-purge):  | 2.32 m bgl  |
| GW Level (post-purge): | 2.35 m bgl  |
| PSH observed:          | Yes / No ( interface / (visual) ). Thickness if observed: |
| Observed Well Depth:   | 8.02 m bgl  |
| Estimated Bore Volume: | 41.0 L  |
| Total Volume Purged:   | (target: no drill mud, min 3 well vol. or dry) 140 L      |
| Equipment:             | Twister Pump, interface meter                             |

### Micropurge and Sampling Details

|                         |   |
|-------------------------|---|
| Date/Time:              | 27.6.18 0800  |
| Sampled By:             | SSH / CLN   |
| Weather Conditions:     | Clear   |
| GW Level (pre-purge):   | 2.32 m bgl  |
| GW Level (post sample): | 2.33 m bgl  |
| PSH observed:           | Yes / No ( interface / visual ). Thickness if observed: |
| Observed Well Depth:    | 8.05 m bgl  |
| Estimated Bore Volume:  | 413 L   |
| Total Volume Purged:    | 3 L   |
| Equipment:              | Pump, interface meter, WQM                              |

### Water Quality Parameters

| Time / Volume                                | Temp (°C)     | DO (mg/L)           | EC (µS or mS/cm) | pH             | Turbidity      | Redox (mV)       |
|--|---------------|---------------------|------------------|----------------|----------------|------------------|
| <b>Stabilisation Criteria (3 readings)</b>   | <b>0.1 °C</b> | <b>+/- 0.3 mg/L</b> | <b>+/- 3%</b>    | <b>+/- 0.1</b> | <b>+/- 10%</b> | <b>+/- 10 mV</b> |
| 0820   | 15.4          | 1.11                | 878              | 6.68           | -              | -81              |
| 0821   | 19.4          | 0.58                | 825              | 6.79           | 23             | -100             |
| 0822   | 20.1          | 0.33                | 816              | 6.84           | 299            | -111             |
| 0823   | 20.3          | 0.25                | 815              | 6.86           | 298            | -116             |
| 0824   | 20.5          | 0.19                | 813              | 6.88           | 278            | -120             |
| 0825   | 20.6          | 0.14                | 812              | 6.90           | 287            | -126             |
| 0826   | 20.6          | 0.13                | 811              | 6.91           | 288            | -126             |
|  |               |                     |                  |                |                |                  |
|  |               |                     |                  |                |                |                  |
|  |               |                     |                  |                |                |                  |
| Additional Readings Following stabilisation: | DO % Sat      | SPC                 | TDS              |                |                |                  |

### Sample Details

|  |  |
|--|--|
| Sampling Depth (rationale):                        | 5 m bgl, middle of column                                      |
| Sample Appearance (e.g. colour, siltiness, odour): | Very murky yellow/brown  |
| Sample ID:   | BH1  |
| QA/QC Samples:                                     | BD1 / 20180622   |
| Sampling Containers and filtration:                | 1 Amber 1 purple 3x vials<br>14 500 mL green 14 red (filtered) |
| Comments / Observations:                           |  |

## Groundwater Field Sheet

### Project and Bore Installation Details

|                             |                                  |
|-----------------------------|----------------------------------|
| Bore / Standpipe ID:        | BH3                              |
| Project Name:               | Proposed Residential Development |
| Project Number:             | 86397.00                         |
| Site Location:              | 19-27 Cross St, Double Bay       |
| Bore GPS Co-ord:            |                                  |
| Installation Date:          |                                  |
| GW Level (during drilling): | - m bgl                          |
| Well Depth:                 | m bgl                            |
| Screened Interval:          | m bgl                            |
| Contaminants/Comments:      | -                                |

$$\text{Bore Volume} = \text{casing volume} + \text{filter pack volume}$$

$$= \pi h_c d_c^2 / 4 + n(\pi h_f d_f^2 / 4 - \pi h_c d_c^2 / 4)$$

Where:  $\pi = 3.14$

$n$  = porosity (0.3 for most filter pack material)

$h_c$  = height of water column

$d_c$  = diameter of casing

$h_f$  = length of filter pack

$d_f$  = diameter of casing

Bore Vol Normally:  $7.2 \times h$

### Bore Development Details

|                        |  |
|------------------------|--|
| Date/Time:             | 22.6.18 1000   |
| Purged By:             | SSH  |
| GW Level (pre-purge):  | 2.18 m bgl   |
| GW Level (post-purge): | 2.20 m bgl   |
| PSH observed:          | Yes / (No) (interface / visual) Thickness if observed: |
| Observed Well Depth:   | 8.57 m bgl   |
| Estimated Bore Volume: | 46.0 L   |
| Total Volume Purged:   | (target: no drill mud, min 3 well vol. or dry) 140 L   |
| Equipment:             | Swivel pump, interface meter                           |

### Micropurge and Sampling Details

|                         |  |
|-------------------------|--|
| Date/Time:              | 22.6.18 0900   |
| Sampled By:             | SSH / CN   |
| Weather Conditions:     | clear  |
| GW Level (pre-purge):   | 2.19 m bgl   |
| GW Level (post sample): | 2.19 m bgl   |
| PSH observed:           | Yes / No (interface / visual) Thickness if observed: |
| Observed Well Depth:    | 8.52 m bgl   |
| Estimated Bore Volume:  | 45.6 L   |
| Total Volume Purged:    | 3 L  |
| Equipment:              | Peripump, interface meter, WQM                       |

### Water Quality Parameters

| Time / Volume                                | Temp (°C)     | DO (mg/L)           | EC (µS or mS/cm) | pH             | Turbidity      | Redox (mV)       |
|--|---------------|---------------------|------------------|----------------|----------------|------------------|
| <b>Stabilisation Criteria (3 readings)</b>   | <b>0.1 °C</b> | <b>+/- 0.3 mg/L</b> | <b>+/- 3%</b>    | <b>+/- 0.1</b> | <b>+/- 10%</b> | <b>+/- 10 mV</b> |
| 0913   | 13.1          | 2.21                | 476              | 6.08           | —              | 27               |
| 0914   | 17.3          | 1.23                | 436              | 6.64           | —              | -5               |
| 0915   | 19.0          | 0.84                | 419              | 6.74           | —              | -13              |
| 0916   | 19.6          | 0.62                | 399              | 6.81           | 403            | -12              |
| 0917   | 19.7          | 0.52                | 390              | 6.85           | 372            | -15              |
| 0918   | 19.7          | 0.45                | 384              | 6.90           | 338            | -18              |
| 0919   | 19.7          | 0.45                | 381              | 6.92           | 325            | -20              |
| Additional Readings Following stabilisation: | DO % Sat      | SPC                 | TDS              |                |                |                  |

### Sample Details

|  |   |
|--|---|
| Sampling Depth (rationale):                        | 5 m bgl, middle of column   |
| Sample Appearance (e.g. colour, siltiness, odour): | Very murky brown / yellow   |
| Sample ID:   | BH3   |
| QA/QC Samples:                                     |   |
| Sampling Containers and filtration:                | 1x Amber 1x 250-L Green 1x 250-L Green 1x red (filtered) 3x vials |
| Comments / Observations:                           |   |



## Sampling

Sampling is carried out during drilling or test pitting to allow engineering examination (and laboratory testing where required) of the soil or rock.

Disturbed samples taken during drilling provide information on colour, type, inclusions and, depending upon the degree of disturbance, some information on strength and structure.

Undisturbed samples are taken by pushing a thin-walled sample tube into the soil and withdrawing it to obtain a sample of the soil in a relatively undisturbed state. Such samples yield information on structure and strength, and are necessary for laboratory determination of shear strength and compressibility. Undisturbed sampling is generally effective only in cohesive soils.

## Test Pits

Test pits are usually excavated with a backhoe or an excavator, allowing close examination of the in-situ soil if it is safe to enter into the pit. The depth of excavation is limited to about 3 m for a backhoe and up to 6 m for a large excavator. A potential disadvantage of this investigation method is the larger area of disturbance to the site.

## Large Diameter Augers

Boreholes can be drilled using a rotating plate or short spiral auger, generally 300 mm or larger in diameter commonly mounted on a standard piling rig. The cuttings are returned to the surface at intervals (generally not more than 0.5 m) and are disturbed but usually unchanged in moisture content. Identification of soil strata is generally much more reliable than with continuous spiral flight augers, and is usually supplemented by occasional undisturbed tube samples.

## Continuous Spiral Flight Augers

The borehole is advanced using 90-115 mm diameter continuous spiral flight augers which are withdrawn at intervals to allow sampling or in-situ testing. This is a relatively economical means of drilling in clays and sands above the water table. Samples are returned to the surface, or may be collected after withdrawal of the auger flights, but they are disturbed and may be mixed with soils from the sides of the hole. Information from the drilling (as distinct from specific sampling by SPTs or undisturbed samples) is of relatively low

reliability, due to the remoulding, possible mixing or softening of samples by groundwater.

## Non-core Rotary Drilling

The borehole is advanced using a rotary bit, with water or drilling mud being pumped down the drill rods and returned up the annulus, carrying the drill cuttings. Only major changes in stratification can be determined from the cuttings, together with some information from the rate of penetration. Where drilling mud is used this can mask the cuttings and reliable identification is only possible from separate sampling such as SPTs.

## Continuous Core Drilling

A continuous core sample can be obtained using a diamond tipped core barrel, usually with a 50 mm internal diameter. Provided full core recovery is achieved (which is not always possible in weak rocks and granular soils), this technique provides a very reliable method of investigation.

## Standard Penetration Tests

Standard penetration tests (SPT) are used as a means of estimating the density or strength of soils and also of obtaining a relatively undisturbed sample. The test procedure is described in Australian Standard 1289, Methods of Testing Soils for Engineering Purposes - Test 6.3.1.

The test is carried out in a borehole by driving a 50 mm diameter split sample tube under the impact of a 63 kg hammer with a free fall of 760 mm. It is normal for the tube to be driven in three successive 150 mm increments and the 'N' value is taken as the number of blows for the last 300 mm. In dense sands, very hard clays or weak rock, the full 450 mm penetration may not be practicable and the test is discontinued.

The test results are reported in the following form.

- In the case where full penetration is obtained with successive blow counts for each 150 mm of, say, 4, 6 and 7 as:  
4,6,7  
N=13
- In the case where the test is discontinued before the full penetration depth, say after 15 blows for the first 150 mm and 30 blows for the next 40 mm as:  
15, 30/40 mm



# *Sampling Methods*

The results of the SPT tests can be related empirically to the engineering properties of the soils.

## **Dynamic Cone Penetrometer Tests / Perth Sand Penetrometer Tests**

Dynamic penetrometer tests (DCP or PSP) are carried out by driving a steel rod into the ground using a standard weight of hammer falling a specified distance. As the rod penetrates the soil the number of blows required to penetrate each successive 150 mm depth are recorded. Normally there is a depth limitation of 1.2 m, but this may be extended in certain conditions by the use of extension rods. Two types of penetrometer are commonly used.

- Perth sand penetrometer - a 16 mm diameter flat ended rod is driven using a 9 kg hammer dropping 600 mm (AS 1289, Test 6.3.3). This test was developed for testing the density of sands and is mainly used in granular soils and filling.
- Cone penetrometer - a 16 mm diameter rod with a 20 mm diameter cone end is driven using a 9 kg hammer dropping 510 mm (AS 1289, Test 6.3.2). This test was developed initially for pavement subgrade investigations, and correlations of the test results with California Bearing Ratio have been published by various road authorities.



## Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are generally based on Australian Standard AS1726:2017, Geotechnical Site Investigations. In general, the descriptions include strength or density, colour, structure, soil or rock type and inclusions.

## Soil Types

Soil types are described according to the predominant particle size, qualified by the grading of other particles present:

| Type    | Particle size (mm) |
|---------|--------------------|
| Boulder | >200               |
| Cobble  | 63 - 200           |
| Gravel  | 2.36 - 63          |
| Sand    | 0.075 - 2.36       |
| Silt    | 0.002 - 0.075      |
| Clay    | <0.002             |

The sand and gravel sizes can be further subdivided as follows:

| Type          | Particle size (mm) |
|---------------|--------------------|
| Coarse gravel | 19 - 63            |
| Medium gravel | 6.7 - 19           |
| Fine gravel   | 2.36 - 6.7         |
| Coarse sand   | 0.6 - 2.36         |
| Medium sand   | 0.21 - 0.6         |
| Fine sand     | 0.075 - 0.21       |

Definitions of grading terms used are:

- Well graded - a good representation of all particle sizes
- Poorly graded - an excess or deficiency of particular sizes within the specified range
- Uniformly graded - an excess of a particular particle size
- Gap graded - a deficiency of a particular particle size with the range

The proportions of secondary constituents of soils are described as follows:

In fine grained soils (>35% fines)

| Term      | Proportion of sand or gravel | Example                   |
|-----------|------------------------------|---------------------------|
| And       | Specify                      | Clay (60%) and Sand (40%) |
| Adjective | >30%                         | Sandy Clay                |
| With      | 15 - 30%                     | Clay with sand            |
| Trace     | 0 - 15%                      | Clay with trace sand      |

In coarse grained soils (>65% coarse)

- with clays or silts

| Term      | Proportion of fines | Example                   |
|-----------|---------------------|---------------------------|
| And       | Specify             | Sand (70%) and Clay (30%) |
| Adjective | >12%                | Clayey Sand               |
| With      | 5 - 12%             | Sand with clay            |
| Trace     | 0 - 5%              | Sand with trace clay      |

In coarse grained soils (>65% coarse)

- with coarser fraction

| Term      | Proportion of coarser fraction | Example                     |
|-----------|--------------------------------|-----------------------------|
| And       | Specify                        | Sand (60%) and Gravel (40%) |
| Adjective | >30%                           | Gravelly Sand               |
| With      | 15 - 30%                       | Sand with gravel            |
| Trace     | 0 - 15%                        | Sand with trace gravel      |

The presence of cobbles and boulders shall be specifically noted by beginning the description with 'Mix of Soil and Cobbles/Boulders' with the word order indicating the dominant first and the proportion of cobbles and boulders described together.

# Soil Descriptions

## Cohesive Soils

Cohesive soils, such as clays, are classified on the basis of undrained shear strength. The strength may be measured by laboratory testing, or estimated by field tests or engineering examination. The strength terms are defined as follows:

| Description | Abbreviation | Undrained shear strength (kPa) |
|-------------|--------------|--------------------------------|
| Very soft   | VS           | <12                            |
| Soft        | S            | 12 - 25                        |
| Firm        | F            | 25 - 50                        |
| Stiff       | St           | 50 - 100                       |
| Very stiff  | VSt          | 100 - 200                      |
| Hard        | H            | >200                           |
| Friable     | Fr           | -                              |

## Cohesionless Soils

Cohesionless soils, such as clean sands, are classified on the basis of relative density, generally from the results of standard penetration tests (SPT), cone penetration tests (CPT) or dynamic penetrometers (PSP). The relative density terms are given below:

| Relative Density | Abbreviation | Density Index (%) |
|------------------|--------------|-------------------|
| Very loose       | VL           | <15               |
| Loose            | L            | 15-35             |
| Medium dense     | MD           | 35-65             |
| Dense            | D            | 65-85             |
| Very dense       | VD           | >85               |

## Soil Origin

It is often difficult to accurately determine the origin of a soil. Soils can generally be classified as:

- Residual soil - derived from in-situ weathering of the underlying rock;
- Extremely weathered material – formed from in-situ weathering of geological formations. Has soil strength but retains the structure or fabric of the parent rock;
- Alluvial soil – deposited by streams and rivers;

- Estuarine soil – deposited in coastal estuaries;
- Marine soil – deposited in a marine environment;
- Lacustrine soil – deposited in freshwater lakes;
- Aeolian soil – carried and deposited by wind;
- Colluvial soil – soil and rock debris transported down slopes by gravity;
- Topsoil – mantle of surface soil, often with high levels of organic material.
- Fill – any material which has been moved by man.

## Moisture Condition – Coarse Grained Soils

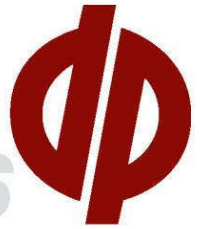
For coarse grained soils the moisture condition should be described by appearance and feel using the following terms:

- Dry (D) Non-cohesive and free-running.
- Moist (M) Soil feels cool, darkened in colour.  
Soil tends to stick together.  
Sand forms weak ball but breaks easily.
- Wet (W) Soil feels cool, darkened in colour.  
Soil tends to stick together, free water forms when handling.

## Moisture Condition – Fine Grained Soils

For fine grained soils the assessment of moisture content is relative to their plastic limit or liquid limit, as follows:

- 'Moist, dry of plastic limit' or 'w < PL' (i.e. hard and friable or powdery).
- 'Moist, near plastic limit' or 'w ≈ PL' (i.e. soil can be moulded at moisture content approximately equal to the plastic limit).
- 'Moist, wet of plastic limit' or 'w > PL' (i.e. soils usually weakened and free water forms on the hands when handling).
- 'Wet' or 'w ≈ LL' (i.e. near the liquid limit).
- 'Wet' or 'w > LL' (i.e. wet of the liquid limit).



## Rock Strength

Rock strength is defined by the Unconfined Compressive Strength and it refers to the strength of the rock substance and not the strength of the overall rock mass, which may be considerably weaker due to defects.

The Point Load Strength Index  $Is_{(50)}$  is commonly used to provide an estimate of the rock strength and site specific correlations should be developed to allow UCS values to be determined. The point load strength test procedure is described by Australian Standard AS4133.4.1-2007. The terms used to describe rock strength are as follows:

| Strength Term  | Abbreviation | Unconfined Compressive Strength MPa | Point Load Index * $Is_{(50)}$ MPa |
|----------------|--------------|-------------------------------------|------------------------------------|
| Very low       | VL           | 0.6 - 2                             | 0.03 - 0.1                         |
| Low            | L            | 2 - 6                               | 0.1 - 0.3                          |
| Medium         | M            | 6 - 20                              | 0.3 - 1.0                          |
| High           | H            | 20 - 60                             | 1 - 3                              |
| Very high      | VH           | 60 - 200                            | 3 - 10                             |
| Extremely high | EH           | >200                                | >10                                |

\* Assumes a ratio of 20:1 for UCS to  $Is_{(50)}$ . It should be noted that the UCS to  $Is_{(50)}$  ratio varies significantly for different rock types and specific ratios should be determined for each site.

## Degree of Weathering

The degree of weathering of rock is classified as follows:

| Term  | Abbreviation | Description   |
|---|--------------|---|
| Residual Soil   | RS           | Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are no longer visible, but the soil has not been significantly transported.  |
| Extremely weathered   | XW           | Material is weathered to such an extent that it has soil properties. Mass structure and material texture and fabric of original rock are still visible  |
| Highly weathered  | HW           | The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable. Rock strength is significantly changed by weathering. Some primary minerals have weathered to clay minerals. Porosity may be increased by leaching, or may be decreased due to deposition of weathering products in pores. |
| Moderately weathered  | MW           | The whole of the rock material is discoloured, usually by iron staining or bleaching to the extent that the colour of the original rock is not recognisable, but shows little or no change of strength from fresh rock.   |
| Slightly weathered  | SW           | Rock is partially discoloured with staining or bleaching along joints but shows little or no change of strength from fresh rock.  |
| Fresh   | FR           | No signs of decomposition or staining.  |
| <i>Note: If HW and MW cannot be differentiated use DW (see below)</i> |              |   |
| Distinctly weathered  | DW           | Rock strength usually changed by weathering. The rock may be highly discoloured, usually by iron staining. Porosity may be increased by leaching or may be decreased due to deposition of weathered products in pores.  |

# Rock Descriptions

## Degree of Fracturing

The following classification applies to the spacing of natural fractures in diamond drill cores. It includes bedding plane partings, joints and other defects, but excludes drilling breaks.

| Term               | Description   |
|--------------------|---|
| Fragmented         | Fragments of <20 mm   |
| Highly Fractured   | Core lengths of 20-40 mm with occasional fragments                      |
| Fractured          | Core lengths of 30-100 mm with occasional shorter and longer sections   |
| Slightly Fractured | Core lengths of 300 mm or longer with occasional sections of 100-300 mm |
| Unbroken           | Core contains very few fractures  |

## Rock Quality Designation

The quality of the cored rock can be measured using the Rock Quality Designation (RQD) index, defined as:

$$\text{RQD \%} = \frac{\text{cumulative length of 'sound' core sections} \geq 100 \text{ mm long}}{\text{total drilled length of section being assessed}}$$

where 'sound' rock is assessed to be rock of low strength or stronger. The RQD applies only to natural fractures. If the core is broken by drilling or handling (i.e. drilling breaks) then the broken pieces are fitted back together and are not included in the calculation of RQD.

## Stratification Spacing

For sedimentary rocks the following terms may be used to describe the spacing of bedding partings:

| Term                | Separation of Stratification Planes |
|---------------------|-------------------------------------|
| Thinly laminated    | < 6 mm                              |
| Laminated           | 6 mm to 20 mm                       |
| Very thinly bedded  | 20 mm to 60 mm                      |
| Thinly bedded       | 60 mm to 0.2 m                      |
| Medium bedded       | 0.2 m to 0.6 m                      |
| Thickly bedded      | 0.6 m to 2 m                        |
| Very thickly bedded | > 2 m                               |

# Symbols & Abbreviations

## Douglas Partners



### Introduction

These notes summarise abbreviations commonly used on borehole logs and test pit reports.

### Drilling or Excavation Methods

|      |                          |
|------|--------------------------|
| C    | Core drilling            |
| R    | Rotary drilling          |
| SFA  | Spiral flight augers     |
| NMLC | Diamond core - 52 mm dia |
| NQ   | Diamond core - 47 mm dia |
| HQ   | Diamond core - 63 mm dia |
| PQ   | Diamond core - 81 mm dia |

### Water

|   |             |
|---|-------------|
| ▷ | Water seep  |
| ▽ | Water level |

### Sampling and Testing

|                 |                                |
|-----------------|--------------------------------|
| A               | Auger sample                   |
| B               | Bulk sample                    |
| D               | Disturbed sample               |
| E               | Environmental sample           |
| U <sub>50</sub> | Undisturbed tube sample (50mm) |
| W               | Water sample                   |
| pp              | Pocket penetrometer (kPa)      |
| PID             | Photo ionisation detector      |
| PL              | Point load strength Is(50) MPa |
| S               | Standard Penetration Test      |
| V               | Shear vane (kPa)               |

### Description of Defects in Rock

The abbreviated descriptions of the defects should be in the following order: Depth, Type, Orientation, Coating, Shape, Roughness and Other. Drilling and handling breaks are not usually included on the logs.

### Defect Type

|     |                 |
|-----|-----------------|
| B   | Bedding plane   |
| Cs  | Clay seam       |
| Cv  | Cleavage        |
| Cz  | Crushed zone    |
| Ds  | Decomposed seam |
| F   | Fault           |
| J   | Joint           |
| Lam | Lamination      |
| Pt  | Parting         |
| Sz  | Sheared Zone    |
| V   | Vein            |

### Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

|    |                |
|----|----------------|
| h  | horizontal     |
| v  | vertical       |
| sh | sub-horizontal |
| sv | sub-vertical   |

### Coating or Infilling Term

|     |          |
|-----|----------|
| cln | clean    |
| co  | coating  |
| he  | healed   |
| inf | infilled |
| stn | stained  |
| ti  | tight    |
| vn  | veneer   |

### Coating Descriptor

|     |              |
|-----|--------------|
| ca  | calcite      |
| cbs | carbonaceous |
| cly | clay         |
| fe  | iron oxide   |
| mn  | manganese    |
| slt | silty        |

### Shape

|    |            |
|----|------------|
| cu | curved     |
| ir | irregular  |
| pl | planar     |
| st | stepped    |
| un | undulating |

### Roughness

|    |              |
|----|--------------|
| po | polished     |
| ro | rough        |
| sl | slickensided |
| sm | smooth       |
| vr | very rough   |



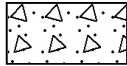

### Other

|     |            |
|-----|------------|
| fg  | fragmented |
| bnd | band       |
| qtz | quartz     |


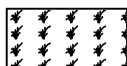
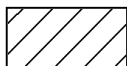
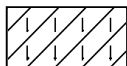


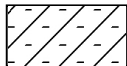

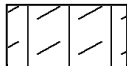
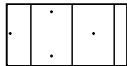
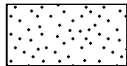
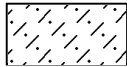
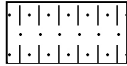




# Symbols & Abbreviations

## Graphic Symbols for Soil and Rock




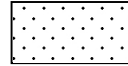

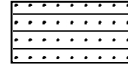
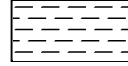

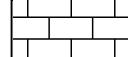
### General

|   |           |
|---|-----------|
|  | Asphalt   |
|  | Road base |
|  | Concrete  |
|  | Filling   |

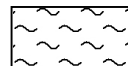
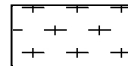
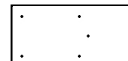
### Soils

|   |                   |
|---|-------------------|
|    | Topsoil           |
|    | Peat              |
|   | Clay              |
|  | Silty clay        |
|  | Sandy clay        |
|  | Gravelly clay     |
|  | Shaly clay        |
|  | Silt              |
|  | Clayey silt       |
|  | Sandy silt        |
|  | Sand              |
|  | Clayey sand       |
|  | Silty sand        |
|  | Gravel            |
|  | Sandy gravel      |
|  | Cobbles, boulders |
|  | Talus             |

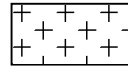
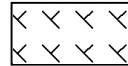
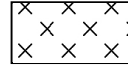
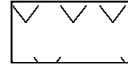

### Sedimentary Rocks

|   |                            |
|---|----------------------------|
|    | Boulder conglomerate       |
|    | Conglomerate               |
|    | Conglomeratic sandstone    |
|    | Sandstone                  |
|    | Siltstone                  |
|    | Laminite                   |
|    | Mudstone, claystone, shale |
|   | Coal                       |
|  | Limestone                  |

### Metamorphic Rocks

|   |                         |
|---|-------------------------|
|  | Slate, phyllite, schist |
|  | Gneiss                  |
|  | Quartzite               |

### Igneous Rocks

|   |                            |
|---|----------------------------|
|  | Granite                    |
|  | Dolerite, basalt, andesite |
|  | Dacite, epidote            |
|  | Tuff, breccia              |
|  | Porphyry                   |

# BOREHOLE LOG

**CLIENT:** Tri-Anta Pty Ltd  
**PROJECT:** Proposed Mixed Use Development  
**LOCATION:** 19-27 Cross Street, Double Bay

**SURFACE LEVEL:** 3.25 AHD  
**EASTING:** 337570  
**NORTHING:** 6250157  
**DIP/AZIMUTH:** 90°/--

**BORE No:** BH1  
**PROJECT No:** 86397.00  
**DATE:**  
**SHEET 1 OF 1**

[illegible]

**CASING:** HQ to 5.5m

**TYPE OF BORING:** Hand auger to 1.1m, SFA (110mm diam) to 5.5m, rotary drilling to 8.5m.

**WATER OBSERVATIONS:** Groundwater observed at 2.2m on 17/6/2018

**REMARKS:** Location coordinates are in MGA94 Zone 56. Well installed to 8.3m, Gatic cover/backfill to 0.2m, Bentonite to 0.7 then gravel. Screen 0.7-8.3m

| SAMPLING & IN SITU TESTING LEGEND |                      |                    |  |
|-----------------------------------|----------------------|--------------------|--|
| A                                 | Auger sample         | G                  | Gas sample                             |
| B                                 | Bulk sample          | P                  | Piston sample                          |
| BLK                               | Block sample         | U <sub>x</sub>     | Tube sample (x mm dia)                 |
| C                                 | Core drilling        | W <sub>x</sub>     | Water sample                           |
| D                                 | Disturbed sample     | W <sub>seep</sub>  | Water seep                             |
| E                                 | Environmental sample | W <sub>level</sub> | Water level                            |
|                                   |                      | PID                | Photo ionisation detector (ppm)        |
|                                   |                      | PL(A)              | Point load axial test ls(50) (MPa)     |
|                                   |                      | PL(D)              | Point load diametral test ls(50) (MPa) |
|                                   |                      | pp                 | Pocket penetrometer (kPa)              |
|                                   |                      | S                  | Standard penetration test              |
|                                   |                      | V                  | Shear vane (kPa)                       |



**Douglas Partners**  
Geotechnics | Environment | Groundwater



# BOREHOLE LOG

**CLIENT:** Tri-Anta Pty Ltd  
**PROJECT:** Proposed Mixed Use Development  
**LOCATION:** 19-27 Cross Street, Double Bay

**SURFACE LEVEL:** 3.25 AHD  
**EASTING:** 337564  
**NORTHING:** 6250166  
**DIP/AZIMUTH:** 90°/--

**BORE No:** BH2  
**PROJECT No:** 86397.00  
**DATE:**  
**SHEET 1 OF 1**

| RL   | Depth (m) | Description of Strata   | Graphic Log | Sampling & In Situ Testing |             |        |                    | Water    | Well Construction Details   |
|------|-----------|---|-------------|----------------------------|-------------|--------|--------------------|----------|---|
|      |           |   |             | Type                       | Depth       | Sample | Results & Comments |          |   |
| 3    |           | CONCRETE / TILE   |             |                            |             |        |                    |          | Gatic Cover & Cap<br>Backfill<br>Bentonite Seal<br>Blank PVC Pipe |
| 0.77 |           | SAND: medium dense, light grey, fine to medium grained sand. Damp |             | A                          | 1.0<br>1.1  |        |                    |          |   |
| 1    |           | -1.2 m, moist   |             |                            |             |        |                    |          |   |
| 2    |           | -2.1 m, grey brown, wet   |             | A                          | 1.9<br>2.0  |        |                    |          | Filter Sand   |
| 3    |           |   |             | A                          | 2.4<br>2.5  |        |                    | 17-06-18 |   |
| 4    |           | -4.0 m, trace black carbonaceous material                         |             | A                          | 3.9<br>4.0  |        |                    |          |   |
| 5    |           | -5.0 m, saturated   |             | A                          | 5.4<br>5.5  |        |                    |          | Slotted PVC Pipe  |
| 6    |           |   |             |                            |             |        |                    |          |   |
| 7    |           |   |             | A                          | 7.0<br>7.45 |        | 22.2<br>N = 4      |          |   |
| 8    |           |   |             |                            |             |        |                    |          |   |
| 8.5  |           |   |             | A                          | 8.5         |        | 1.2, 1<br>N = 3    |          | End Cap   |
| 8.95 |           | Bore discontinued at 8.95m  |             |                            | 8.95        |        |                    |          |   |
| 9    |           |   |             |                            |             |        |                    |          |   |
| 10   |           |   |             |                            |             |        |                    |          |   |

**RIG:** Bobcat

**DRILLER:** GM

**LOGGED:** JY

**CASING:** HQ to 5.5m

**TYPE OF BORING:** Hand auger to 1.16m, SFA (110mm diam) to 5.5m, rotary drilling to 8.5m.

**WATER OBSERVATIONS:** Groundwater observed at 2.1m on 17/6/2018

**REMARKS:** Location coordinates are in MGA94 Zone 56. Well installed to 8.5m, Gatic cover/backfill to 0.2m, Bentonite to 0.7 then gravel. Screen 1.0-8.5m

## SAMPLING & IN SITU TESTING LEGEND

|     |                      |                |                         |       |  |
|-----|----------------------|----------------|-------------------------|-------|--|
| A   | Auger sample         | G              | Gas sample              | PID   | Photo ionisation detector (ppm)        |
| B   | Bulk sample          | P              | Piston sample           | PL(A) | Point load axial test Is(50) (MPa)     |
| BLK | Block sample         | U <sub>x</sub> | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C   | Core drilling        | W              | Water sample            | pp    | Pocket penetrometer (kPa)              |
| D   | Disturbed sample     | ▷              | Water seep              | S     | Standard penetration test              |
| E   | Environmental sample | ≡              | Water level             | V     | Shear vane (kPa)                       |

# BOREHOLE LOG

**CLIENT:** Tri-Anta Pty Ltd  
**PROJECT:** Proposed Mixed Use Development  
**LOCATION:** 19-27 Cross Street, Double Bay

**SURFACE LEVEL:** 3.25 AHD  
**EASTING:** 337580  
**NORTHING:** 6250176  
**DIP/AZIMUTH:** 90°/--

**BORE No:** BH3  
**PROJECT No:** 86397.00  
**DATE:**  
**SHEET 1 OF 1**

| RL    | Depth (m) | Description of Strata   | Graphic Log | Sampling & In Situ Testing |       |        |                    | Water | Well Construction Details  |
|-------|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|----------------------------|
|       |           |   |             | Type                       | Depth | Sample | Results & Comments |       |                            |
| 3     | 0.16      | CONCRETE  |             | A                          | 0.2   |        |                    |       | Gatic Cover & Cap Backfill |
|       | 0.25      | FILLING: yellow brown, fine to medium grained sand. Damp          |             | A                          | 0.25  |        |                    |       | Bentonite Seal             |
|       |           | SAND: medium dense, grey brown, fine to medium grained sand. Damp |             | A                          | 0.5   |        |                    |       | Blank PVC Pipe             |
|       |           |   |             | A                          | 0.6   |        |                    |       |                            |
|       |           |   |             | A                          | 0.9   |        |                    |       |                            |
| 1     |           |   |             | A                          | 1.0   |        |                    |       |                            |
|       |           |   |             | A                          | 1.4   |        |                    |       |                            |
|       |           |   |             | A                          | 1.5   |        |                    |       |                            |
| 2     |           | 2.0 m, moist  |             | A                          | 2.0   |        |                    |       | Filter Sand                |
|       |           | 2.3 m, wet  |             | A                          | 2.1   |        |                    |       |                            |
|       |           | 2.6 m, very loose to loose  |             | A                          | 2.5   |        |                    |       |                            |
|       |           |   |             | A                          | 2.6   |        |                    |       |                            |
| 3     |           | 3.04 m, medium dense to dense                                     |             | A                          | 3.0   |        |                    |       |                            |
|       |           |   |             | A                          | 3.1   |        |                    |       |                            |
|       |           |   |             | A                          | 4.0   |        |                    |       |                            |
| 4     |           |   |             | A                          | 4.1   |        |                    |       |                            |
|       |           |   |             | A                          | 5.5   |        |                    |       |                            |
| 5     |           | 4.88 m, medium dense  |             | A                          | 5.6   |        |                    |       | Slotted PVC Pipe           |
|       |           |   |             | S                          | 7.0   |        | 21.2<br>N = 3      |       |                            |
|       |           |   |             | S                          | 7.45  |        |                    |       |                            |
|       |           |   |             | S                          | 8.5   |        | 12.2<br>N = 4      |       |                            |
|       |           |   |             | S                          | 8.95  |        |                    |       |                            |
|       |           |   |             | S                          | 10.0  |        | 20.0<br>N = 0      |       | End Cap                    |
| 10    |           | 10.0 m, grey  |             | S                          | 10.0  |        |                    |       |                            |
|       |           | 10.1 m, very loose to loose                                       |             |                            |       |        |                    |       |                            |
| 10.45 |           | Bore discontinued at 10.45m                                       |             |                            | 10.45 |        |                    |       |                            |

**RIG:** Bobcat

**DRILLER:** GM

**LOGGED:** JY

**CASING:** HQ to 5.5m

**TYPE OF BORING:** Hand auger to 2.6m, SFA (110mm diam) to 5.5m, rotary drilling to 10.0m.

**WATER OBSERVATIONS:** Groundwater observed at 2.3m on 18/6/2018

**REMARKS:** Location coordinates are in MGA94 Zone 56. Well installed to 9.8m, Gatic cover/backfill to 0.3m, Bentonite to 0.7 then gravel. Screen 0.8-9.8m

## SAMPLING & IN SITU TESTING LEGEND

|     |                      |                |                         |       |  |
|-----|----------------------|----------------|-------------------------|-------|--|
| A   | Auger sample         | G              | Gas sample              | PID   | Photo ionisation detector (ppm)        |
| B   | Bulk sample          | P              | Piston sample           | PL(A) | Point load axial test Is(50) (MPa)     |
| BLK | Block sample         | U <sub>x</sub> | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C   | Core drilling        | W              | Water sample            | pp    | Pocket penetrometer (kPa)              |
| D   | Disturbed sample     | W <sub>s</sub> | Water seep              | S     | Standard penetration test              |
| E   | Environmental sample | W <sub>l</sub> | Water level             | V     | Shear vane (kPa)                       |

---

## Appendix F

---

Tables F1 and F2 (Summary of Laboratory Test Results)

Table F1: Summary of Soil Laboratory Results

| 8 metals in soil    |  |  |  |  |  |  |  |  |  | ESDAT Combined Compounds    |  |  |  |  |  |  |  |  |  | Moisture                             |  | OCs in Soil |  |  |  |  |  |  |  |                  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------|--|-------------|--|--|--|--|--|--|--|------------------|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|
| Asbestos ID - soils |  |  |  |  |  |  |  |  |  | Cyanide T Phenol 2.5g       |  |  |  |  |  |  |  |  |  | Moisture                             |  |             |  |  |  |  |  |  |  | OCs in Soil      |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |
| Asbestos fibres     |  |  |  |  |  |  |  |  |  | PAH (total, NSW Waste 2009) |  |  |  |  |  |  |  |  |  | Scheduled chemicals (NSW Waste 2009) |  |             |  |  |  |  |  |  |  | Adrin + Dieldrin |  |  |  |  |  |  |  |  |  | Carcinogenic PAHs (as Bap TEQ) |  |  |  |  |  |  |  |  |  | +10 - C36 (Sum of total) |  |  |  |  |  |  |  |  |  | Moisture |  |  |  |  |  |  |  |  |  | Chlordane (cis) |  |  |  |  |  |  |  |  |  | Chlordane (trans) |  |  |  |  |  |  |  |  |  | d-BHC |  |  |  |  |  |  |  |  |  | DDD   |  |  |  |  |  |  |  |  |  | DDT   |  |  |  |  |  |  |  |  |  | DDT+DDE+DDD |  |  |  |  |  |  |  |  |  | Dieldrin |  |  |  |  |  |  |  |  |  | Endosulfan I |  |  |  |  |  |  |  |  |  | Endosulfan II |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |
| Lead                |  |  |  |  |  |  |  |  |  | Copper                      |  |  |  |  |  |  |  |  |  | Chromium (III+VI)                    |  |             |  |  |  |  |  |  |  | Lead in TCLP     |  |  |  |  |  |  |  |  |  | Mercury                        |  |  |  |  |  |  |  |  |  | Nickel                   |  |  |  |  |  |  |  |  |  | Zinc     |  |  |  |  |  |  |  |  |  | Phenolics Total |  |  |  |  |  |  |  |  |  | mg/kg             |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg       |  |  |  |  |  |  |  |  |  | mg/kg    |  |  |  |  |  |  |  |  |  | mg/kg        |  |  |  |  |  |  |  |  |  | mg/kg         |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  | mg/kg |  |  |  |  |  |  |  |  |  |

Table F1: Summary of Soil Laboratory Results

[illegible]

Exceeds the CT1 for General Solid Waste

Exceeds the NEPM EIL for Residential/Open Space

Table F1: Summary of Soil Laboratory Results

|   |                    |                   |                    | PCBs in Soil |              |        |                |              |              |              |              |              |              | TRH Soil C10-C40 NEPM |                     |         |         |         |                |           |           |         |                          | VTRH & BTEXN in Soil NEPM |              |             |         |         |                |            |              |                       |        |       |       |  |  |  |
|---|--------------------|-------------------|--------------------|--------------|--------------|--------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------------|---------------------|---------|---------|---------|----------------|-----------|-----------|---------|--------------------------|---------------------------|--------------|-------------|---------|---------|----------------|------------|--------------|-----------------------|--------|-------|-------|--|--|--|
| Field ID  | Sample Depth Range | Sampled Date/Time | Matrix Description | Naphthalene  | Phenanthrene | Pyrene | Total +ve PAHs | Aroclor 1016 | Aroclor 1221 | Aroclor 1232 | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260          | PCBs (Sum of total) | C10-C16 | C16-C34 | C34-C40 | F2-NAPHTHALENE | C10 - C14 | C15 - C28 | C29-C36 | C10 - C40 (Sum of total) | Benzene                   | Ethylbenzene | Naphthalene | Toluene | C6 - C9 | Xylene (m & p) | Xylene (o) | Xylene Total | C6-C10 less BTEX (F1) | C6-C10 |       |       |  |  |  |
|   |                    |                   |                    | mg/kg        | mg/kg        | mg/kg  | mg/kg          | mg/kg        | mg/kg        | mg/kg        | mg/kg        | mg/kg        | mg/kg        | mg/kg                 | mg/kg               | mg/kg   | mg/kg   | mg/kg   | mg/kg          | mg/kg     | mg/kg     | mg/kg   | mg/kg                    | mg/kg                     | mg/kg        | mg/kg       | mg/kg   | mg/kg   | mg/kg          | mg/kg      | mg/kg        | mg/kg                 | mg/kg  | mg/kg | mg/kg |  |  |  |
| EQ1   |                    |                   |                    | 2200         |              |        |                |              |              |              |              |              |              |                       | 0.1                 | 50      | 100     | 100     | 50             | 50        | 100       | 100     | 50                       | 0.2                       | 1            | 1           | 0.5     | 25      | 2              | 1          | 1            | 25                    | 25     |       |       |  |  |  |
| GRC Care Direct Contact HSL-B   |                    |                   |                    | NL           |              |        |                |              |              |              |              |              |              |                       |                     | 4200    | 9800    | 8100    | NL             |           |           |         | 77                       | NL                        | NL           | NL          |         |         |                |            |              | NL                    |        | 5600  |       |  |  |  |
| Soil HSL Vapour / Sand 0-2m   |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         | 10                       | 600                       | 288          |             |         |         |                |            |              | 1000                  |        |       |       |  |  |  |
| GSW CT1 (No TCLP)   |                    |                   |                    |              |              |        | 200            |              |              |              |              |              |              |                       | 49.999              |         |         |         |                |           |           |         | 18                       | 1080                      | 518          |             |         | 650     |                |            |              | 1800                  |        |       |       |  |  |  |
| GSW SCC1 (using TCLP)   |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         | 40                       | 2400                      |              |             |         |         |                |            |              | 4000                  |        |       |       |  |  |  |
| RSW CT2 (No TCLP)   |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       | 49.999              |         |         |         |                |           |           |         | 72                       | 4320                      | 2073         |             |         | 2600    |                |            |              | 7200                  |        |       |       |  |  |  |
| RSW SCC2 (using TCLP)   |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          |                           |              |             |         |         |                |            |              |                       |        |       |       |  |  |  |
| Ozoway, 1995 Background soil concentrations, NSW Old Suburb, High Traffic |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          |                           |              | 170         |         |         |                |            |              |                       |        |       |       |  |  |  |
| ELs Res/Open Space Aged   |                    |                   |                    | 170          |              |        |                |              |              |              |              |              |              |                       | 1                   |         |         |         |                |           |           |         |                          | 0.5                       | 55           | 3           | 160     |         |                |            |              | 40                    | 45     |       |       |  |  |  |
| NEPM 2013 Table 1A(1) HSLs Res B Soil                                     |                    |                   |                    | 3            |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          | 50                        | 70           | 85          |         |         |                |            |              | 105                   | 180    |       |       |  |  |  |
| Res A/B Soil HSL for Vapour Intrusion, Sand 0-7m                          |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          |                           |              |             |         |         |                |            |              |                       |        |       |       |  |  |  |
| BSLs for Urban Res, Coarse Soil 0-2m                                      |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          |                           |              |             |         |         |                |            |              |                       |        |       |       |  |  |  |
| Field ID  | Sample Depth Range | Sampled Date/Time | Matrix Description |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          |                           |              |             |         |         |                |            |              |                       |        |       |       |  |  |  |
| BH1   | 0.3-0.4            | 5/17/2018         | Filling            | <0.1         | 0.5          | 1.7    | 10             | <0.1         | <0.1         | <0.1         | <0.1         | <0.1         | <0.1         | <0.1                  | <0.1                | <50     | <100    | <100    | <50            | <50       | <100      | <100    | <50                      | <0.2                      | <1           | <1          | <0.5    | <25     | <2             | <1         | <1           | <25                   | <25    |       |       |  |  |  |
| BH1   | 0.7-0.8            | 5/17/2018         | Natural            | <0.1         | <0.1         | <0.1   | <0.05          | -            | -            | -            | -            | -            | -            | -                     | -                   | <50     | <100    | <100    | <50            | <50       | <100      | <100    | <50                      | <0.2                      | <1           | <1          | <0.5    | <25     | <2             | <1         | <1           | <25                   | <25    |       |       |  |  |  |
| BH1   | Replicate sample   | 5/17/2018         | -                  | <0.1         | <0.1         | <0.1   | <0.05          | -            | -            | -            | -            | -            | -            | -                     | -                   | <50     | <100    | <100    | <50            | <50       | <100      | <100    | <50                      | <0.2                      | <1           | <1          | <0.5    | <25     | <2             | <1         | <1           | <25                   | <25    |       |       |  |  |  |
| BH2   | 1-1.1              | 5/18/2018         | Natural            | <0.1         | <0.1         | <0.1   | <0.05          | <0.1         | <0.1         | <0.1         | <0.1         | <0.1         | <0.1         | <0.1                  | <0.1                | <50     | <100    | <100    | <50            | <50       | <100      | <100    | <50                      | <0.2                      | <1           | <1          | <0.5    | <25     | <2             | <1         | <1           | <25                   | <25    |       |       |  |  |  |
| BH3   | 0.2-0.25           | 5/18/2018         | Filling            | <0.1         | <0.1         | <0.1   | <0.05          | <0.1         | <0.1         | <0.1         | <0.1         | <0.1         | <0.1         | <0.1                  | <0.1                | <50     | <100    | <100    | <50            | <50       | <100      | <100    | <50                      | <0.2                      | <1           | <1          | <0.5    | <25     | <2             | <1         | <1           | <25                   | <25    |       |       |  |  |  |
| BH3   | 0.5-0.6            | 5/18/2018         | Natural            | <0.1         | <0.1         | <0.1   | <0.05          | -            | -            | -            | -            | -            | -            | -                     | -                   | <50     | <100    | <100    | <50            | <50       | <100      | <100    | <50                      | <0.2                      | <1           | <1          | <0.5    | <25     | <2             | <1         | <1           | <25                   | <25    |       |       |  |  |  |
| BH3   | 1.4-1.5            | 5/18/2018         | Natural            | <0.1         | <0.1         | 0.2    | 0.4            | -            | -            | -            | -            | -            | -            | -                     | -                   | <50     | <100    | <100    | <50            | <50       | <100      | <100    | <50                      | <0.2                      | <1           | <1          | <0.5    | <25     | <2             | <1         | <1           | <25                   | <25    |       |       |  |  |  |
| Exceeds the CTI for General Solid Waste                                   |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          |                           |              |             |         |         |                |            |              |                       |        |       |       |  |  |  |
| Exceeds the NEPM EIL for Residential/Open Space                           |                    |                   |                    |              |              |        |                |              |              |              |              |              |              |                       |                     |         |         |         |                |           |           |         |                          |                           |              |             |         |         |                |            |              |                       |        |       |       |  |  |  |

| 8 HM in water - dissolved                    |                    |                    |                              |                   |                 |                    |                   |                 |         |        |        |        | OCP in water    |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
|--|--------------------|--------------------|------------------------------|-------------------|-----------------|--------------------|-------------------|-----------------|---------|--------|--------|--------|-----------------|-------------------|--------|--------|--------|----------|--------------|---------------|---------------------|--------|-----------------|-----------------|------------|--------------------|
|  | Arsenic (Filtered) | Cadmium (Filtered) | Chromium (III+VI) (Filtered) | Copper (Filtered) | Lead (Filtered) | Mercury (Filtered) | Nickel (Filtered) | Zinc (Filtered) | 4,4-DDE | a-BHC  | Aldrin | b-BHC  | Chlordane (cis) | Chlordane (trans) | d-BHC  | DDD    | DDT    | Dieldrin | Endosulfan I | Endosulfan II | Endosulfan sulphate | Endrin | Endrin aldehyde | γ-BHC (Lindane) | Heptachlor | Heptachlor epoxide |
| EQ1  | 0.001              | 0.0001             | 0.001                        | 0.001             | 0.001           | 0.00005            | 0.001             | 0.001           | 0.0002  | 0.0002 | 0.0002 | 0.0002 | 0.0002          | 0.0002            | 0.0002 | 0.0002 | 0.0002 | 0.0002   | 0.0002       | 0.0002        | 0.0002              | 0.0002 | 0.0002          | 0.0002          | 0.0002     | 0.0002             |
| HSL A & B GW for Vapour Intrusion, Sand 2-4m | 13                 | 0.0008             | 0.0004                       | 0.0014            | 0.0013          | 0.0006             | 0.043             | 0.031           |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
| GLS, Fresh Waters                            | 0.01               | 0.002              | 0.05                         | 2                 | 0.01            | 0.001              | 0.02              | 0.031           |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
| GLS, Drinking Water                          |                    |                    |                              |                   |                 |                    |                   |                 |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
| Field ID                                     | WellCode           | Sampled_Date/Time  |                              |                   |                 |                    |                   |                 |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
| BD1/20180622                                 |                    | 6/22/2018          |                              |                   |                 |                    |                   |                 |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
| BH1  |                    | 6/22/2018          |                              |                   |                 |                    |                   |                 |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
| BH2  |                    | 6/22/2018          |                              |                   |                 |                    |                   |                 |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |
| BH3  |                    | 6/22/2018          |                              |                   |                 |                    |                   |                 |         |        |        |        |                 |                   |        |        |        |          |              |               |                     |        |                 |                 |            |                    |

Exceeds the NEPM GLS for Fresh water

[illegible]

Exceeds the NEPM GILs for Fresh wa



|  |               |               |                | Phenols in Water | TRH Water(C10-C40) NEPM |             |             |                |              |             |             |                           |                       |                           |                       |                    |                     |                        |                        |                        |                        |                             |                   |                     |                    |                     |                        |                     |               |  |
|--|---------------|---------------|----------------|------------------|-------------------------|-------------|-------------|----------------|--------------|-------------|-------------|---------------------------|-----------------------|---------------------------|-----------------------|--------------------|---------------------|------------------------|------------------------|------------------------|------------------------|-----------------------------|-------------------|---------------------|--------------------|---------------------|------------------------|---------------------|---------------|--|
|  | Phenanthrene  | Pyrene        | Total 4ve PAHs | Phenolics Total  | C10-C16                 | C16-C34     | C34-C40     | P2-NAPHTHALENE | C10 - C14    | C15 - C28   | C29-C36     | 1,1,1,2-tetrachloroethane | 1,1,1-trichloroethane | 1,1,2,2-tetrachloroethane | 1,1,2-trichloroethane | 1,1-dichloroethene | 1,1-dichloropropene | 1,2,3-trichlorobenzene | 1,2,3-trichloropropene | 1,2,4-trichlorobenzene | 1,2,4-trimethylbenzene | 1,2-dibromo-3-chloropropene | 1,2-dibromoethane | 1,2-dichlorobenzene | 1,2-dichloroethane | 1,2-dichloropropane | 1,3,5-trimethylbenzene | 1,3-dichlorobenzene |               |  |
| EQCL   | mg/L<br>0.001 | mg/L<br>0.001 | µg/L<br>1      | mg/L<br>0.05     | mg/L<br>0.05            | mg/L<br>0.1 | mg/L<br>0.1 | mg/L<br>0.05   | mg/L<br>0.05 | mg/L<br>0.1 | mg/L<br>0.1 | mg/L<br>0.001             | mg/L<br>0.001         | mg/L<br>0.001             | mg/L<br>0.001         | mg/L<br>0.001      | mg/L<br>0.001       | mg/L<br>0.001          | mg/L<br>0.001          | mg/L<br>0.001          | mg/L<br>0.001          | mg/L<br>0.001               | mg/L<br>0.001     | mg/L<br>0.001       | mg/L<br>0.001      | mg/L<br>0.001       | mg/L<br>0.001          | mg/L<br>0.001       | mg/L<br>0.001 |  |
| HSL A & B GW for Vapour Intrusion, Sand 2-4m |               |               |                |                  |                         |             |             | 1              |              |             |             |                           |                       |                           |                       |                    |                     |                        |                        |                        |                        |                             |                   |                     |                    |                     |                        |                     |               |  |
| GILs, Fresh Waters                           |               |               |                |                  |                         |             |             |                |              |             |             |                           |                       |                           |                       |                    |                     |                        |                        |                        |                        |                             |                   |                     |                    |                     |                        |                     |               |  |
| GILs, Drinking Water                         |               |               |                |                  |                         |             |             |                |              |             |             |                           |                       |                           |                       | 6.5                | 0.03                | 0.01                   | 0.03                   | 0.170                  | 0.03                   | 0.16                        | 1.5               | 0.003               |                    |                     |                        |                     | 0.26          |  |

| Field_ID     | WellCode | Sampled_Date/Time |        |        |   |       |       |       |      |      |       |       |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--------------|----------|-------------------|--------|--------|---|-------|-------|-------|------|------|-------|-------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| B01/20180622 |          | 6/22/2018         | -      | -      | - | -     | -     | 0.063 | <0.1 | <0.1 | 0.063 | 0.12  | <0.1 | <0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | -      |
| BH1          |          | 6/22/2018         | <0.001 | <0.001 | 0 | <0.05 | <0.05 | <0.05 | <0.1 | <0.1 | <0.05 | <0.05 | <0.1 | <0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| BH2          |          | 6/22/2018         | <0.001 | <0.001 | 0 | <0.05 | <0.05 | 0.067 | <0.1 | <0.1 | 0.057 | 0.13  | <0.1 | <0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| BH3          |          | 6/22/2018         | <0.001 | <0.001 | 0 | <0.05 | <0.05 | >0.05 | <0.1 | <0.1 | <0.05 | <0.05 | <0.1 | <0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |

Exceeds the NEPM GILs for Fresh wa

VOCs in water

|  | 1,3-dichloropropane | 1,4-dichlorobenzene | 2,2-dichloropropane | 2-chlorotoluene | 1-chlorotoluene | benzene | Bromobenzene | Bromochloromethane | Bromodichloromethane | Bromoform | Bromomethane | Carbon tetrachloride | Chlorobenzene | Chlorodibromomethane | Chloroethane | Chloroform | Chloromethane | 1,1-dichloroethene | 1,2-dichloroethene | 1,3-dichloropropene | Cyclohexane | Dibromomethane | Dichlorodifluoromethane | Ethylbenzene | Hexachlorobutadiene | Isopropylbenzene | n-butylbenzene | n-propylbenzene | o-isopropyltoluene | sec-butylbenzene |
|--|---------------------|---------------------|---------------------|-----------------|-----------------|---------|--------------|--------------------|----------------------|-----------|--------------|----------------------|---------------|----------------------|--------------|------------|---------------|--------------------|--------------------|---------------------|-------------|----------------|-------------------------|--------------|---------------------|------------------|----------------|-----------------|--------------------|------------------|
|  | mg/L                | mg/L                | mg/L                | mg/L            | mg/L            | mg/L    | mg/L         | mg/L               | mg/L                 | mg/L      | mg/L         | mg/L                 | mg/L          | mg/L                 | mg/L         | mg/L       | mg/L          | mg/L               | mg/L               | mg/L                | mg/L        | mg/L           | mg/L                    | mg/L         | mg/L                | mg/L             | mg/L           | mg/L            | mg/L               | mg/L             |
| EOL  | 0.001               | 0.001               | 0.001               | 0.001           | 0.001           | 0.001   | 0.001        | 0.001              | 0.001                | 0.001     | 0.001        | 0.001                | 0.001         | 0.001                | 0.001        | 0.001      | 0.001         | 0.001              | 0.001              | 0.001               | 0.001       | 0.001          | 0.001                   | 0.001        | 0.001               | 0.001            | 0.001          | 0.001           | 0.001              | 0.001            |
| HSL A & B GW for Vapour Intrusion, Sand 2-4m |                     |                     |                     |                 |                 | 0.8     |              |                    |                      |           |              |                      |               |                      |              |            |               |                    |                    |                     |             |                |                         |              |                     |                  |                |                 |                    |                  |
| GLs, Fresh Waters                            |                     |                     |                     |                 |                 | 0.95    |              |                    |                      |           |              |                      |               |                      |              |            |               |                    |                    |                     |             |                |                         |              |                     |                  |                |                 |                    |                  |
| GLs, Drinking Water                          |                     | 0.06                |                     |                 |                 | 0.001   |              |                    |                      |           | 0.001        | 0.003                | 0.3           |                      |              |            |               |                    |                    |                     |             |                |                         |              |                     |                  |                |                 |                    |                  |
|  |                     | 0.04                |                     |                 |                 |         |              |                    |                      |           |              |                      |               |                      |              |            |               |                    |                    |                     |             |                |                         |              |                     |                  |                |                 |                    |                  |

Field\_ID WellCode Sampled\_Date/Time

|              |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|--|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BD1/20180622 |  | 6/22/2018 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH1          |  | 6/22/2018 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH2          |  | 6/22/2018 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH3          |  | 6/22/2018 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Exceeds the NEPM GLs for Fresh wa

| VTRH & BTEXW in Water NEPM                   |          |                   |                                    |                   |         |                          |                           |                        |                |                |            |         |              |             |         |         |                |            |                       |        |
|--|----------|-------------------|------------------------------------|-------------------|---------|--------------------------|---------------------------|------------------------|----------------|----------------|------------|---------|--------------|-------------|---------|---------|----------------|------------|-----------------------|--------|
|  | Styrene  | Trichloroethene   | tert-butylbenzene                  | Tetrachloroethene | Toluene | trans-1,2-dichloroethene | trans-1,3-dichloropropene | Trichlorofluoromethane | Vinyl chloride | Xylene (m & p) | Xylene (o) | Benzene | Ethylbenzene | Naphthalene | Toluene | C6 - C9 | Xylene (m & p) | Xylene (o) | C6-C10 less BTEX (F1) | C6-C10 |
|  | mg/L     | 0.001             | 0.001                              | 0.001             | 0.001   | 0.001                    | 0.001                     | 0.01                   | 0.01           | 0.002          | 0.001      | 0.001   | 0.001        | 0.001       | 0.001   | 0.01    | 0.002          | 0.001      | 0.01                  | 0.01   |
| EQCL   |          |                   |                                    |                   |         |                          |                           |                        |                |                |            | 0.8     | NI           | NI          | NI      | 0.8     | 0.2            | 0.35       | 1                     |        |
| HSI A & B GW for Vapour intrusion, Sand 2-4m |          |                   |                                    |                   |         |                          |                           |                        |                | 0.2            | 0.35       | 0.95    |              | 0.016       | 0.8     |         |                |            |                       |        |
| GILs, Fresh Waters                           |          |                   |                                    |                   |         |                          |                           |                        |                |                |            | 0.001   | 0.3          |             |         |         |                |            |                       |        |
| GILs, Drinking Water                         | 0.03     |                   |                                    | 0.05              | 0.8     |                          |                           |                        | 0.0003         |                |            |         |              |             |         |         |                |            |                       |        |
| Field ID                                     | WellCode | Sampled_Date-Time |                                    |                   |         |                          |                           |                        |                |                |            |         |              |             |         |         |                |            |                       |        |
| B01/20180622                                 |          | 6/22/2018         | -                                  | -                 | -       | -                        | -                         | -                      | -              | -              | -          | <0.001  | <0.001       | <0.001      | 0.001   | 0.029   | 0.007          | 0.002      | 0.056                 | 0.066  |
| BH1  |          | 6/22/2018         | <0.001                             | <0.001            | <0.001  | <0.001                   | <0.001                    | <0.01                  | <0.01          | <0.002         | <0.001     | <0.001  | <0.001       | <0.001      | <0.001  | <0.01   | <0.002         | <0.001     | <0.01                 | <0.01  |
| BH2  |          | 6/22/2018         | <0.001                             | <0.001            | <0.001  | <0.001                   | <0.001                    | <0.01                  | <0.01          | 0.002          | 0.002      | <0.001  | <0.001       | <0.001      | 0.001   | 0.031   | 0.007          | 0.002      | 0.055                 | 0.066  |
| BH3  |          | 6/22/2018         | <0.001                             | <0.001            | <0.001  | <0.001                   | <0.001                    | <0.01                  | <0.01          | <0.007         | <0.001     | <0.001  | <0.001       | <0.001      | <0.001  | <0.01   | <0.002         | <0.001     | <0.01                 | <0.01  |
|  |          |                   | Exceeds the NEPM GILs for Fresh wa |                   |         |                          |                           |                        |                |                |            |         |              |             |         |         |                |            |                       |        |