



ENVIRONMENTAL - REMEDIATION - GEOTECHNICAL ENGINEERING - WORK HEALTH & SAFETY - LABORATORIES - DRILLING

# DETAILED SITE INVESTIGATION

**122-128 Crescent Road &  
55-57 The Avenue, Newport NSW**

*Prepared for*

**Essex Develop Pty Ltd**

6<sup>th</sup> October 2022

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## ABBREVIATIONS

ADWG	Australian Drinking Water Guidelines
ANZECC	Australian and New Zealand Environment and Conservation Council
AST	Aboveground Storage Tank
BGL	Below Ground Level
BTEX	Benzene, Toluene, Ethyl benzene and Xylene
COC	Contaminants of Concern
DLWC	Department of Land & Water Conservation
DNR	Department of Natural Resources
DQOs	Data Quality Objectives
POEO	Protection of the Environment Operations
DSI	Detailed Site Investigation
EPA	Environment Protection Authority
ESA	Environmental Site Assessment
HIL	Health-Based Soil Investigation Level
LGA	Local Government Area
NEHF	National Environmental Health Forum
NEPC	National Environmental Protection Council
NEPM	National Environmental Protection Measure
NHMRC	National Health and Medical Research Council
OCF	Organochlorine Pesticides
OPP	Organophosphate Pesticides
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PID	Photo Ionisation Detector
PQL	Practical Quantitation Limit
PSH	Phase Separated Hydrocarbon
PSI	Preliminary Site Investigation
QA/QC	Quality Assurance / Quality Control
RAC	Remediation Acceptance Criteria
RAP	Site Remediation Plan
RPD	Relative Percentage Difference
SAC	Site Assessment Criteria
SCID	Stored Chemical Information Database
SEPP	State Environment Planning Policy
SMP	Site Management Plan
SVC	Site Validation Criteria
TCLP	Toxicity Characteristics Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TRH	Total Recoverable Hydrocarbons
UCL	Upper Confidence Limit
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
VHC	Volatile Halogenated Compounds

## EXECUTIVE SUMMARY

Aargus Pty Ltd ('Aargus') was appointed by Essex Develop Pty Ltd (the 'client') to undertake a Detailed Site Investigation (DSI) within the properties located at 122-128 Crescent Road and 55-57 The Avenue, Newport NSW (the 'site'). It is understood that the site is proposed for the demolition of existing buildings and redevelopment into nine residential lots with internal roads.

A site visit was carried out on Thursday 7<sup>th</sup> September 2022 by the Aargus field scientist to inspect the site for any potential sources of contamination and document any observations made regarding the current site conditions. The site consisted of 4 residential buildings, a commercial building, a workshop, a marina, 3 metallic containers, a garage and a parking lot. The sealed surfaces within the marina, and the sealed surface of the bitumen car park was observed to be in a good condition.

The desktop review revealed that the site was initially owned by private individuals through to various periods between the 1960s and 1980s, thereafter the site was acquired by various businesses. The current site owner, 57 The Avenue Pty Ltd, acquired all the lots in 2022. Aerial photography suggested that the northern and central eastern portion of the site were occupied with residential dwellings from 1948 to 2002. Buildings were noted in the south western portion of the site from 1948 to the present, with the lands directly to the north and east on site occupied originally with dense vegetation which has been cleared over the year to make way for open areas and car parking areas. The general land use of the northern, eastern and southern adjoining lands has been occupied by residential properties, whilst the property to the west has been occupied by a Marina and then the local waterway. The land is not affected by one of the matters prescribed by Section 59 (2) of the Contaminated Land Management Act 1997.

The desktop study identified some areas of potential environmental concern, in relation to imported fill of unknown origin, pesticide use, current site uses, leaks of motor vehicles, metal degradation, leaks and spills of chemical substances, and the potential presence of hazardous materials in current or past building structures, which may pose risks to human and environmental receptors.



The soil assessment revealed the following:

- All the heavy metals concentrations from the soil samples analysed were below the Health Investigation Level (HIL) for a residential development, that being the HIL 'A', with the exception of:
  - A Lead concentration of 330mg/kg in the sample BH2 (0-0.1m) which exceeded the HIL 'A' of 300mg/kg.
  - A Lead concentration of 470mg/kg in the sample BH7 (0-0.1m) which exceeded the HIL 'A' of 300mg/kg.
- The heavy metals concentrations from the soil samples analysed were below the site derived EILs, with the exception of:
  - A Copper concentration of 400mg/kg in the sample BH6 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
  - A Copper concentration of 530mg/kg in the sample BH12 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
  - A Copper concentration of 210mg/kg in the sample BH16 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
- The TRH, BTEX and/or naphthalene concentrations from the samples were below the HSL 'A&B', ESLs and/or the Management Limits
- The benzo(a)pyrene (as TEQ), Total PAH, OCP and Phenols concentrations were below the HIL 'A', EILs and/or ESLs.
- Laboratory analysis revealed that asbestos was not detected in the recovered soil samples analysed with the exception of BH7 where Chrysotile Asbestos was detected below the adjusted assessment criteria, those being the residential with soil access.

Reference should be made to Figure 7 in Appendix A for a copy of the hotspot location plan.

Based on the CSM, the following data gaps were identified with respect to the pollution linkages identified:

- The vertical and/or lateral extent of the impacted soils at locations BH2, BH6, BH7, BH12 & BH16.
- No investigation was conducted within the existing building footprints across the site.

Based on the results of this investigation it is considered that the risks to human health and the environment associated with soil contamination at the site are low within the context of the proposed use of the site for a residential development.

The site is therefore considered to be rendered suitable for the proposed use, subject to the following:

- An appropriate remedial / management strategy is developed, culminating in preparation of a Remedial Action Plan (RAP) in accordance with EPA guidelines, in regard to addressing for the data gaps across the site, in particular the contaminated topsoil materials in the proposed development area.
- Any soils requiring removal from the site, as part of future site works, should be classified in accordance with the “Waste Classification Guidelines, Part 1: Classifying Waste” NSW EPA (2014).

# **1 INTRODUCTION**

## **1.1 Background**

Aargus Pty Ltd ('Aargus') was appointed by Essex Develop Pty Ltd (the 'client') to undertake a Detailed Site Investigation (DSI) within the properties located at 122-128 Crescent Road and 55-57 The Avenue, Newport NSW (the 'site'). The location of the site is presented in Figure 1 of Appendix A.

It is understood that the site is proposed for the demolition of existing buildings and redevelopment into nine residential lots with internal roads. The proposed development plans can be found in Appendix B.

## **1.2 Objective**

The primary objectives of this DSI are as follows:

- Identify potential areas where contamination may have occurred from current and historical activities;
- Identify potential contaminants associated with potentially contaminating activities;
- Assess the potential for soils to have been impacted by current and historical activities; and
- Assess the suitability of the site for redevelopment into nine residential lots with internal roads based on its current condition and the findings of this investigation.

### 1.3 Scope of Works

The scope of work for this DSI includes:

- Review of the physical site setting and site conditions based on a site inspection, including research of the location of sewers, drains, holding tanks and pits, spills, patches of discoloured vegetation, etc. (where applicable);
- Research and review of the information available, including previous environmental investigations, current and historical titles information, review of aerial photographs, groundwater bore searches, EPA notices, Council records, SafeWork NSW records, anecdotal evidence, site survey and site records on waste management practices;
- Development of a preliminary Conceptual Site Model (CSM) to demonstrate the interactions between potential sources of contamination, exposure pathways and human/ecological receptors identified;
- A targeted soil boring/sampling investigative study – formulating and conducting a sampling plan and borehole investigation;
- Laboratory analysis and results from sample analysis – findings and comparison to regulatory guidelines;
- Field and laboratory Quality Assurance/Quality Control (QA/QC); and
- Recommendations for additional investigations should any data gaps be identified or possible strategies for the management of the site, where relevant.

This report was prepared with reference to the NSW Environment Protection Authority (EPA) "*Guidelines for Consultants Reporting on Contaminated Sites*" (2020).

## 2 SITE IDENTIFICATION AND DESCRIPTION

### 2.1 Site Identification

Site identification information and land use are summarised in the table below.

**Table 1: Site Identification**

<b>Lot and DP Number (Address)</b>	Lot 2 in DP 210342 (55 The Avenue, Newport NSW) Lot 21 in DP 545339 (57 The Avenue, Newport NSW) Lots 111 & 112 in DP 556902 (122 Crescent Road, Newport NSW) Lot 1 in DP 503390 (126 Crescent Road, Newport NSW) Lot 3 in DP 210342 (128 Crescent Road, Newport NSW)
<b>Coordinates (SE corner) *</b>	NE: Latitude: -33.664265, Longitude: 151.311025 NW: Latitude: -33.664812, Longitude: 151.309641 SE: Latitude: -33.664988, Longitude: 151.311202 SW: Latitude: -33.665221, Longitude: 151.309732
<b>Approx. Site Area</b>	6,423.7m <sup>2</sup>
<b>Local Government Area</b>	Northern Beaches
<b>Parish</b>	Narrabeen
<b>County</b>	Cumberland
<b>Current Land Zoning**</b>	E4: Environmental Living
<b>Proposed Land Use</b>	Residential and Commercial
<b>Current Site Owner</b>	57 The Avenue Pty Ltd
<b>Site End Users</b>	Residents (adults and children) and visitors

Notes: \* refer to <http://maps.six.nsw.gov.au/>

\*\* refer to 10.7 Planning Certificate in Appendix G – Zone Environmental Living is referred to C4 in ePlanning Spatial Viewer - NSW Planning Portal

[http://www.legislation.nsw.gov.au/map/5200\\_COM\\_LZN\\_004\\_010\\_20131016.pdf?id=b0025a54-2fc2-6a60-cd0d-c7b306182be9](http://www.legislation.nsw.gov.au/map/5200_COM_LZN_004_010_20131016.pdf?id=b0025a54-2fc2-6a60-cd0d-c7b306182be9)

The site boundary and Lot and DP numbers are presented in Figure 2 of Appendix A. A survey plan provided by the client is included in Appendix B.

## 2.2 Site Inspection

A site visit was carried out on Thursday 7<sup>th</sup> September 2022 by the Aargus field scientist to inspect the site for any potential sources of contamination and document any observations made regarding the current site conditions. At the time of the site inspection, the following observations were made:

- The site consisted of four residential properties and buildings (office and workshop) associated with the adjacent Marina.
- No. 57 The Avenue comprised of a brick & timber house with a tile roof, a concrete & bitumen driveway, a concrete block shed, a metal container, and grass & tree landscaping areas.
- No. 55 The Avenue comprised of a weatherboard house with a metal roof, two gravel & dirt driveways, and grass & tree landscaping areas.
- No. 128 Crescent Road comprised of a brick house with a metal roof, a gravel & dirt driveway, a concrete driveway, and grass & tree landscaping areas.
- No. 126 Crescent Road comprised of a fibro house with a metal roof, a fibro garage with a metal roof, a concrete driveway, and grass & tree landscaping areas.
- No. 122 Crescent Road (central portion) comprised of a bitumen driveway leading to an open area covered in gravel & bitumen, with three metal shipping containers stored.
- No. 122 Crescent Road (southern & western portions) comprised of a bitumen carpark, a two-storey rendered commercial building with a metal roof, a clad workshop with a metal roof & a concrete floor, and an open concrete covered area.
- No surface standing water was observed at the site.
- The metal shipping containers were used as storage for equipment used in the workshop and the adjacent Marina.
- The sealed surfaces of the bitumen car park and open concrete covered area were observed to be in a good condition.

The site features are presented in Figure 3 of Appendix A. Site photographs are included in Appendix C.

## 2.3 Topography and Surface Water Drainage

The following observations were made during the site inspection carried out on the 7<sup>th</sup> September 2022:

- The site topography slopes towards the south west.
- Stormwater runoff from the site is expected to flow in a south westerly direction towards Winji Jimmi Bay.
- The Avenue slopes towards the west, whilst Crescent Road slopes to the south.

Copies of the topographical survey provided by the client, including existing and proposed stormwater and sewer drainage plans can be found in Appendix B.

## 2.4 Surrounding Land Uses

The surrounding identified land uses are described in the table below:

**Table 2: Surrounding Land Uses**

Orientation	Description
North	The Avenue then low-density residential buildings
East	Crescent Road then low-density residential buildings
South	Low-density residential buildings
West	Sirsi Marina and then Winji Jimmi Bay

### 3 SITE HISTORY

#### 3.1 Land Titles

A review of historical documents held at the NSW Department of Lands offices was undertaken to identify the current and previous landowners, and potential land uses. The results of the title search are summarised in the following table:

**Table 3: Land Title Information**

<b>Year</b>	<b>Lot 2 DP210342</b>
May 2022 - Current	57 The Avenue Pty Ltd
2008 - 2022	Bitova Pty Ltd
1987 - 2008	Fermentation Industries Pty Ltd
1986 - 1987	How Joseph and Janet Joseph
1982 - 1987	Bamalot Enterprise Pty. Ltd
1977 - 1982	John Granville Suckling and Inese Sandra Suckling
1975 - 1977	Bernard Arthur Lavou
1971 - 1975	Jeremy Nicolas Latton
1968 - 1975	William Gruml Schaveder and Helen Schaveder
1963 - 1968	Albert Edward Norman
Before 1963	William Alfred Pennet
<b>Year</b>	<b>Lot 3 DP210342</b>
May 2022 - Current	57 The Avenue Pty Ltd
2008 - 2022	Bitova Pty Ltd
1987 - 2008	Fermentation Industries Pty Ltd
1968 - 1987	Rduict Blain
1963 - 1968	Albert Edward Norman
Before 1968	William Alfred Pennet
<b>Year</b>	<b>Lot 21 DP545339</b>
May 2022 - Current	57 The Avenue Pty Ltd
2008 - 2022	Bitova Pty Ltd
1987 - 2008	Fermentation Industries Pty Ltd
1980 - 1987	Samalot Enterprises Pty Ltd
1968 - 1980	Peter William John Dawson
1963 - 1968	Albert Edward Norman
Before 1963	William Alfred Pennet



<b>Year</b>	<b>Lot 21 DP545339</b>
May 2022 - Current	57 The Avenue Pty Ltd
2008 - 2022	Bitova Pty Ltd
1981 - 2008	Fermentation Industries Pty Ltd
1976 - 1981	Paul John Clarke and Merryl Lynette Clarke
1974 - 1976	Newport Yacht Basin Pty Ltd
1973 - 1974	Rebasid Pty Ltd
1971 - 1973	Catherine Clarisse
Before 1963	John Victor George Miles
<b>Year</b>	<b>Lot 111 DP556902</b>
May 2022 - Current	57 The Avenue Pty Ltd
2012 - 2022	Bitova Pty Ltd
2008 - 2012	Laura Jane Kearley\ Angela Ryan Kearley
1979 - 2008	Fermentation Industries Pty Ltd
1978 - 1979	Bill Rowells Newport Marina Pty Ltd
1974 - 1978	Newport Yacht Basin Pty Ltd
1973 - 1974	Rebasid Pty Ltd
1970 - 1973	Newport Yacht Basin Pty Ltd
1969 - 1970	Peter William
1966 - 1969	Plano Robert Fuderus
1964 - 1966	Alfred Graham Wychillf
Before 1964	John Victor George Miles
<b>Year</b>	<b>Lot 112 DP 556902</b>
May 2022 - Current	57 The Avenue Pty Ltd
2012 - 2022	Bitova Pty Ltd
2008 - 2012	Laura Jane Kearley
1979 - 2008	Fermentation Industries Pty Ltd
1978 - 1979	Bill Rowells Newport Marina Pty Ltd
1969 - 1978	Newport Yacht Basin Pty Ltd
1964 - 1969	Jeabella Mary and Henry Clude Hickin
Before 1964	John Victor George Miles

In summary, the land title information provided suggested that the site was initially owned by private individuals through to various periods between the 1960s and 1980s, thereafter the site was acquired by various businesses. The current site owner, 57 The Avenue Pty Ltd, acquired all the lots in 2022.

A summary of the various companies and their potential use is summarised below:

- Bitova Pty Ltd – Private marina offering berths and moorings for boat
- Fermentation Industries Pty Ltd – Meat and processed food distributor
- Bamalot Enterprise Pty Ltd – No information found
- Samalot Enterprises Pty Ltd – No information found
- Newport Yacht Basin Pty Ltd – Private marina offering berths and moorings for boat
- Rebasid Pty Ltd – Financial services investments
- Bill Rowells Newport Marina Pty Ltd – Private marina offering berths and moorings for boat

A copy of the land title information obtained by Aargus can be found in Appendix D.

### 3.2 Aerial Photographs

Selected aerial photographs obtained from the NSW Department of Lands were reviewed to describe the site features and surrounding areas at various timelines. A summary of the review is presented in the table below.

**Table 4: Summary of Historical Aerial Photos**

Year	Site	Surrounding areas
1948	The site was occupied by buildings along the northern boundary, the central eastern portion and the south western corner. The rest of the site is covered by vegetation.	N: Road then residential and vacant tree covered lands. S: Residential and vacant tree covered lands. E: Road then residential and vacant tree covered lands. W: Tree covered area with docks (Marina) leading into the bay
1955	The site layout appeared to be similar to that observed in the 1948 photo.	No significant changes were observed, with the exception of increased residential buildings to the north, east and south, and extension of the Marina to the west.
1965	The site layout appeared to be similar to that observed in the 1955 photo,	No significant changes were observed

Year	Site	Surrounding areas
1975	The site layout appeared to be similar to that observed in the 1955 photo, with the central western portion cleared of vegetation.	No significant changes were observed, with the exception of further development to the Marina to the west.
1982	The site layout appeared to be similar to that observed in the 1975 photo however, a car park area was observed in the south eastern portion of the site. Some further vegetation was cleared on site.	No significant changes were observed.
1991	The site layout appeared to be similar to that observed in 1982.	No significant changes were observed.
2005	The site layout appeared to be similar to that observed in 1991.	No significant changes were observed.
2022	The site layout appeared to be similar to that observed in 2005.	No significant changes were observed.

In summary, the northern and central eastern portion of the site were occupied with residential dwellings from 1948 to 2002. Buildings were noted in the south western portion of the site from 1948 to the present, with the lands directly to the north and east on site occupied originally with dense vegetation which has been cleared over the year to make way for open areas and car parking areas.

The general land use of the northern, eastern and southern adjoining lands have been occupied by residential properties, whilst the property to the west has been occupied by a Marina and then the local waterway.

Copies of current and historical aerial photographs are presented in Appendix E.

### **3.3 EPA Records**

#### **3.3.1 Section 58, CLM Act 1997**

The NSW EPA publishes records of contaminated sites under Section 58 of the Contaminated Land Management (CLM) Act 1997. The notices relate to the investigation and/or remediation of site contamination considered to pose a significant risk of harm under the definition in the CLM Act. However, it should be noted that the EPA record of Notices for Contaminated Land does not provide a record of all contaminated land in NSW.

A search of the EPA database revealed that the subject site is not listed.

Copies of the EPA records are included in Appendix F.

#### **3.3.2 Section 60, CLM Act**

The NSW EPA also published records of the sites notified under Section 60 of the CLM Act. The published document as of September 2022 revealed that the subject site was not listed. However, two other properties were listed within the suburb of Newport. The listed properties were situated more than 500 away from the site, and the contamination was not significant to regulate under the CLM Act thus, the notified sites were not considered to pose an adverse impact on the site.

Copies of the EPA records are included in Appendix F.

#### **3.3.3 POEO Register**

The NSW EPA also has a public register under section 308 of the Protection of the Environment Operations Act 1997 (the POEO Act) that contains the licensed premises.

A search of the POEO Register revealed that any site was not listed within the vicinity of the site. A copy of the POEO register search is included in Appendix F.

### **3.3.4 Unlicensed Premises Regulated by the NSW EPA**

The NSW Environment Protection Authority (EPA) maintains records of the premises where the NSW EPA is still the Appropriate Regulatory Authority (ARA) that are no longer required to be licensed under the Protection of the Environment Operations Act 1997 (POEO Act). A search of the NSW EPA Records revealed that the site was not listed.

### **3.4 NSW Government PFAS Investigation Program**

A search of the EPA database revealed that the site is not listed on the NSW Government PFAS Investigation Program and/or the Contaminated Land Database. Copies of the EPA database are attached in Appendix F.

### **3.5 Unexploded Ordnance**

A review of the Department of Defence website for Unexploded Ordnance showed no records for the site. Copies of the Department of Defence website are attached in Appendix F.

### **3.6 Naturally Occurring Asbestos**

A review of the SafeWork NSW website showed that the site was not located in an area where naturally occurring asbestos might be located. Copies of the SafeWork NSW website are attached in Appendix F.

### **3.7 Council Search Records**

A request to Council was submitted on the 19<sup>th</sup> September 2022 with no information available at the time of writing this report. When the Council information is provided, an addendum letter will be provided.

### 3.8 Planning 10.7 Certificates

The Planning 10.7 Certificate – Section 149 (2) of the Environmental Planning & Assessment Act 1979 for the site (Lots 111 & 112, Lot 111 in DP 556902, Lot 1 in DP5233390 and, Lots 2 & 3 in DP210342) was obtained by the client and provided to Aargus for review.

A summary of the information pertaining to the site is provided below:

- The site is zoned E4 – Environmental living under the provision of the *Pittwater 21 Development Control Plan*.
- Complying with Developments under the Housing Alteration Code, General Development Code, General Commercial and Industrial Code, Subdivision Code and Demolition Code and Fire Safety code may be carried out.
- The land does not include or comprise conservation areas, or environmental heritage items.
- The property is not affected by a road widening or road realignment under the Roads Act.
- The land is not affected by the operation of Section 38 or 39 of the *Coastal Protection Act 1979*.
- The land is not within a proclaimed mine subsidence district.
- The land is not affected by a policy that restricts the development of the land because of the likelihood of landslip, bush fire, tidal inundation, subsidence or flooding.
- The land is not affected by a policy that restricts the development of the land because of the likelihood of acid sulphate soils.
- The residential dwellings have not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.
- The land is not affected by one of the matters prescribed by Section 59 (2) of the *Contaminated Land Management Act 1997*.

Copies of the certificates are included in Appendix G.

### **3.9 SafeWork NSW Records**

A request for a SafeWork search was submitted on 19<sup>th</sup> September 2022. The search did not locate any records pertaining to the site 55 – 57 The Avenue, Newport. However, for 122-128 Crescent Road, no information was available at the time of writing this report. An addendum letter will be provided as soon as the information is available.

Copies of the SafeWork NSW records are attached in Appendix G.

### **3.10 Industrial Processes and Products Manufactured**

Based on the historical and land titles review, it is unlikely that these activities occurred at the site.

### **3.11 Former Chemical Storage and Transfer Areas**

A review of the former chemical storage and transfer areas and/or products manufactured at the site was conducted, and it is unlikely that these activities occurred at the site.

### **3.12 Product Spill & Loss History**

It was indicated by the client, that to their knowledge no serious land or water contamination had occurred.

The majority of the site is currently either occupied by building/s and/ or sealed surfaces. At the time of the inspections, the sealed surfaces of the concrete slabs and/or bitumen were in generally good condition with only minor cracks observed. However, the cracks were seen to be sealed properly at the time of inspection. In addition, there were no visible signs of oil and/or chemical staining, indicating that any surface spills (if they did occur at all) were cleaned up immediately and did not appear to penetrate the existing slabs / surfaces.

### **3.13 Discharges to Land, Water and Air**

No major sign of discharge to the land, water and air was observed at the time of our inspection.

### **3.14 Complaint History**

No complaints were registered for the site as advised by our client to the best of their knowledge.

### **3.15 Historical Use of Adjacent Land**

It was indicated by the client that to their knowledge, the adjacent lands to the north, east and south of the site have been primarily used for residential purposes, whilst the land to the west has been occupied by a Marina.

### **3.16 Discussion and Summary of Site History**

Based on available information, the site historical usage is summarised as follows:

- The land title information provided suggested that the site was initially owned by private individuals through to various periods between the 1960s and 1980s, thereafter the site was acquired by various businesses. The current site owner, 57 The Avenue Pty Ltd, acquired all the lots in 2022.
- Aerial photography suggested that the northern and central eastern portion of the site were occupied with residential dwellings from 1948 to 2002. Buildings were noted in the south western portion of the site from 1948 to the present, with the lands directly to the north and east on site occupied originally with dense vegetation which has been cleared over the year to make way for open areas and car parking areas.
- The general land use of the northern, eastern and southern adjoining lands have been occupied by residential properties, whilst the property to the west has been occupied by a Marina and then the local waterway.



- There were no records for the site listed on the NSW EPA database.
- The POEO register had no licence issued to the site.
- The land is not affected by one of the matters prescribed by Section 59 (2) of the Contaminated Land Management Act 1997.
- The land is not affected by a policy that restricts the development of the land because of the likelihood of acid sulphate soils.
- The residential dwellings have not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

## **4 ENVIRONMENTAL SETTING**

### **4.1 Sensitive Environmental Receptors**

The nearest sensitive environmental receptors are:

- Winji Jimmi Bay is approximately 10m to the west.
- Crescent Reserve is approximately 190m to the northeast.
- Yachtsman's Park is approximately 140m to the south.

### **4.2 Soil**

The Geological Map of Sydney (Geological Series Sheet 9130, Scale 1:100,000, 1983), published by the Department of Mineral Resources indicates the residual soils within the site to be underlain by Quaternary Age soils consisting of medium to fine-grained “marine” sand with podsols.

### **4.3 Geology**

The Geological Map of Sydney (Geological Series Sheet 9130, Scale 1:100,000, 1983), published by the Department of Mineral Resources indicates the residual soils within the site to be underlain by Hawkesbury Sandstone comprising medium to coarse-grained quartz sandstone, very minor shale and laminite lenses.

### **4.4 Acid Sulfate Soils**

To determine whether there is a potential for acid sulfate soils to be present at the site, reference was made to the NSW Department of Land & Water Conservation (DLWC) *Acid Sulfate Soil Risk Maps* (Edition Two, December 1997, Scale 1:250,000), specifically Map No. #89”. A review of the map indicated that there is “no probability” of occurrence of acid sulfate soil materials at the site, and the presence of acid sulfate soils was considered to be unlikely.

Also, with reference to the Pittwater Local Environmental Plan 2014 (pub. 30-5-2014), Acid Sulfate Soil Map (Sheet\_017) the subject land fits within the Class 5 of Acid Sulfate Soil category.

EI Australia prepared an Acid Sulphate Soil Assessment and Management Plan (Ref: E25561.E14\_Rev0, dated 6<sup>th</sup> April 2022) for the property located at 122 Crescent Road, Newport which was occupied by Sirsi Marina to assess the presence of ASS within the site. Two boreholes were drilled by hand augers on 15<sup>th</sup> March 2022 at a depth of 1.2 m limited by the refusal on sandstone. The report concluded that slow acting, unoxidised sulphur compounds were present in the clay sediments. However these materials were relatively weak acid generators.

#### 4.5 Hydrogeology

Based on available information, our desktop study indicates that the inferred groundwater flow direction would be towards the Winji Jimmi Bay (west of the site), as shown in Figure 4 in Appendix A.

A search of the Department of Natural Resources (DNR) borehole database information revealed two (2) groundwater bores within a 600 m radius of the site.

A summary of the relevant information provided by the registered groundwater bore record search is provided in the following table:

**Table 5: Summary of Registered Groundwater Bore Records**

GW Bore ID	Approximate Location	Intended Purpose	Depth (m bgl)	Standing Water Level (m bgl)	Water Bearing Zones	Salinity (µS/cm)
GW018908	600m NW	Waste Disposal	46	10	Sandstone	-
GW018908	600m NW	Waste Disposal	46	30.4	Gravel	-

GW019148	600 m NW	Waste Disposal	60.9	24.3	Shale Sandy	-
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The registered groundwater bores within a 1km radius of the site were used for waste disposal purposes and were unlikely to be used for human consumption since the site is not located within the SEPP boundary for the Sydney Drinking Water Catchment.

A copy of the groundwater bore search records can be found in Appendix H.

#### 4.6 Summary of Local Meteorology

The monthly rainfall of the local area can be represented by the data collected by the Bureau of Meteorology (BOM) from the rainfall gauge located in Mona Vale Golf Club, which is located approximately 500 m south of the site. Records indicate that the mean annual rainfall is 1154.1.

Reference can be made to Appendix I – Local Meteorology.

## 5 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Based on the site inspection, site history, previous reports and review of available information from the desktop study, the potential Areas of Environmental Concern (AEC) and their associated Contaminants of Concern (CoC) for the site were identified. These are summarised in the following table.

**Table 6: Summary of Potential Areas and Contaminants of Concern**

Potential AEC	Potentially contaminating activity	Potential CoCs	Potentially Impacted Medium	Likelihood of Site Impact	Justification
Entire site	Importation of fill material from unknown origin	Metals, TPH, BTEX, PAH, OCP, PCB, Phenols, Cyanides, Asbestos	Soil	Low	Based on the site observations and site topography, the presence of imported fill material is likely to be minimal.
	Potential for pesticides to have been sprayed or injected on or underneath concrete slabs	OCP	Soil	Low	If use of OCPs has occurred, the impact is likely to have been localised and limited to the topsoil layer.
Vehicle parking	Leaks from vehicles	Metals, TPH, BTEX, PAH	Soil	Low	No Staining was observed during the site inspection.
Workshop	Repairs to boats, leaks from engines, storage of chemicals	Metals, TPH, BTEX, PAH, Phenols	Soil	Low	The concrete surface in the workshop was in a good condition with no staining observed.
Metal features	Metal degradation.	Metals	Soil	Low	If present, likely within the near surface soils only.
Building Structures	Potential Asbestos/Fibro Features	Asbestos	Soil	Low	If present, these will be removed by licensed contractors.

## **6 DATA QUALITY OBJECTIVES**

### **6.1 Step 1 – State the Problem**

#### **6.1.1 Problem Statement**

The site is proposed to be developed into nine residential lots with internal roads. As part of the DA application, it is a Council requirement that a site investigation report be prepared by a consultant to assess whether the site is suitable for the proposed development.

However, the desktop study identified some areas of potential environmental concern, in relation to imported fill of unknown origin, pesticide use, metal degradation, leaks of motor vehicles, current site uses, leaks and spills of chemical substances, and the potential presence of hazardous materials in current or past building structures, which may pose risks to human and environmental receptors.

#### **6.1.2 Objectives**

The objectives of the DSI are:

- To assess the potential for the soils to have been impacted by current and historically contaminating activities.
- To assess the suitability of the site for redevelopment into nine residential lots with internal roads as part of the Council's requirements for the DA.

#### **6.1.3 Project Team**

The nominated core project team and their responsibilities are listed in the table below.

**Table 7: Project Team and Responsibilities**

Project Team Member	Responsibilities
Mark Kelly – National Environmental Manager	Project Manager
Ilia Rostami – Principal Consultant	Report review
Divyansh Kumar – Environmental Engineer	Field Representative
Sagar Koirala – Environmental Scientist	Field Representative / Report Author

### 6.1.4 Preliminary Conceptual Site Model

**Table 8 Conceptual Site Model**

Potential Sources	Potential Receptor	Potential Exposure Pathways	Complete Linkages	Risk	Justification
Fill materials	Site users or the general public	Dermal contact, inhalation or ingestion of exposed impacted soils	Limited (Current)	Low	The site has sealed and open areas.
Pesticide use			No (Future)	Negligible	If present, contaminated soils are likely to be remediated and removed for off-site disposal.
Car parking					
Metal degradation	The aquatic ecosystems at the nearby waterway	Migration of impacted groundwater and surface water run-off	Yes (Current)	Low	No obvious sources of contamination were observed on site that could migrate off site with surface water run-off.
Workshop: Repairs to boats, leaks from engines, storage of chemicals			No (Future)	Negligible	Any sources of contamination will be removed.
	Underlying Aquifer	Leaching and migration of contaminants through groundwater infiltration	Limited (Current)	Low	Leachability of metals and other inorganics vertical migration of contaminants is likely to be limited.
			No (Future)	Negligible	If present, contaminated soils are likely to be remediated.
Asbestos in current buildings	Site user or visitors	Inhalation of airborne fibres	Limited (Current)	Low	If present, they are likely to be in a bonded form.
			No (Future)	Negligible	If present they will be removed by a licensed contractor.

## **6.2 Step 2 - Identify the Decisions of the Study**

The decisions required to address the contamination problem are as follows:

- Is soil contamination present within the areas of potential environmental concern identified?
- Is soil contamination likely to present an unacceptable risk of harm to humans or the environment?
- Is the site currently suitable for the proposed land use being residential with garden soil access?
- Is there a potential for onsite/offsite migration issues?
- If not, does the site require further investigation and/or remediation works?

## **6.3 Step 3 - Identify Information Inputs**

The following information is required for input into the decisions identified in Step 2:

- Identification of potential areas and contaminants of concern as detailed in Section 5 of this report;
- Selection of soil assessment criteria from appropriate guidelines as detailed in Section 8 of this report;
- Collection of soil, and samples from the site;
- Headspace analysis for screening of VOCs present within soils using a PID; and
- Comparison and interpretation of results against the adopted soil criteria.



## 6.4 Step 4 – Define the Study Boundaries

The spatial and temporal aspects of the investigation area that the data must represent to support the decisions identified in Step 2 are as follows:

- The lateral extent of the study boundary is defined by the site boundaries as shown in the Site Location Plans (refer to Figure 1).
- The vertical extent of the study boundary is defined by the depth of the natural soils in borehole BH1 located at approximately 1 meter below the ground surface.

## 6.5 Step 5 – Develop the Analytical Approach

The acceptable limits for laboratory QA/QC parameters are shown in the table below and are based upon the laboratory reported acceptable limits and those stated within the NEPM 2013 Guidelines.

**Table 9: Acceptable Limits for QC Samples**

Type of QC Sample	Control Limit
<b>FIELD</b>	
Rinsate Blanks	Analytes <LOR
Intra-Laboratory Duplicates	RPD's <50%
Inter-Laboratory Duplicates	RPD's <50%
Trip Blanks	Volatiles <LOR
Trip Spike Recovery	>70%
<b>LABORATORY</b>	
Method Blanks	< Laboratory LOR
Matrix Spike	Recovery targets: <ul style="list-style-type: none"> <li>• Metals: 70% to 130%</li> <li>• Organics: 60% to 140%</li> </ul>
Laboratory Duplicate	RPD's <30%
Laboratory Control Samples	Recovery targets: 60% to 140%
Surrogate Spike	Recovery targets: 60% to 140%

The following conditions should be adopted:

- If the control limits are exceeded, then an assessment of the significance of the results should be carried out;
- If the results of the DQI assessment indicate that the data set is reliable, then the data set will be deemed to be acceptable for the purposes of the investigation; and
- If the measured concentrations of soil and groundwater samples analysed meet their respective validation criteria, then no additional assessment is required.

## 6.6 Step 6 - Specify Limits on Decision Errors

There are two types of decision errors:

- **Sampling errors**, which occur when the samples collected are not representative of the conditions within the investigation area; and
- **Measurement errors**, which occur during sample collection, handling, preparation, analysis and data reduction.

These errors may lead to the following (null hypothesis):

- Deciding that the site is not suitable for the proposed development when it actually is (Type I error);
- Deciding that the site is suitable for the proposed development when it is actually not (Type II error);

A 5% significance level has been selected for Type I errors on the basis that 95% of the data set will satisfy the DQIs. Therefore, the acceptable limit of the decision errors is based on a 5% probability of the hypothesis being incorrect.

An assessment will be made as to the likelihood of a decision error being made based on:

- The acceptable limits for inter/intra laboratory duplicate sample comparisons as specified in Step 5 of the DQOs; and
- The acceptable limits for laboratory QA/QC parameters are based upon the laboratory reported acceptable limits and those stated within the NEPM Guidelines.

If the concentration of a particular contaminant of concern exceeds its assessment criteria, then a further assessment is required to address the significance of the result. Statistical analysis based on 95% UCL may be used to assess the significance of the data provided the following conditions are met:

- the arithmetic mean of the data set must be less than its respective threshold level; that is, it is acceptable for individual results to exceed its respective threshold level, but the cumulative mean of the data set of soil sample results must not exceed the threshold level;
- the standard deviation of the data set is less than 50% of the relevant threshold level; and
- no individual sample result should be greater than 250% of the relevant threshold level.

Ecological data is not included in this assessment process as ecological results cannot be statistically interpreted.

## **6.7 Step 7 - Optimise the Design for Obtaining Data**

The optimum design for obtaining data in order to achieve the Data Quality Objectives is as follows:

- Only NATA-accredited environmental testing laboratories will be commissioned to analyse soil samples and will implement a quality control plan conforming to the NEPM (Assessment of Site Contamination) Measure Schedule B(3) Guidelines for Analysis of Potentially Contaminated Soils;
- An assessment of the Data Quality Indicators to determine if the field procedures and laboratory analytical results are reliable;
- The investigation will be carried out by an experienced and qualified Environmental Scientist who is trained in sampling at contaminated sites in accordance with Aargus protocols based on best practice industry standards;
- Collection of QA/QC samples at frequencies prescribed in the NEPM Guidelines; and
- In accordance with the NSW EPA “Sampling Design Guidelines” (September 1995), a minimum of seventeen (17) sampling points for a site area of 6,400m<sup>2</sup> will be adopted to provide general site coverage. However, additional sampling points may be incorporated to target specific areas of potential environmental concern identified above.

## 7 DATA QUALITY INDICATORS

### 7.1 General

The five Data Quality Indicators (DQIs), comprising completeness; comparability; representativeness; precision and accuracy provide an assessment of the reliability of field procedures and laboratory analytical results in accordance with the NEPM 2013 Schedule B2 Guidelines on Site Characterisation, Appendix C – Assessment of data quality. These are addressed in the following sub-sections.

### 7.2 Completeness

Data Completeness is a measure of the amount of usable data (expressed as %) from a data collection activity. The completeness is equal to the percentage of valid quality assurance and quality control results.

The assessment should address the following:

**Table 10: Data Completeness**

Field	Laboratory
<ul style="list-style-type: none"> <li>All critical locations are sampled;</li> <li>All samples collected from critical grids and depths;</li> <li>Consistency in the use of standard operating procedures, equipment, and sampler;</li> <li>Completion and correctness of field documentation.</li> </ul>	<ul style="list-style-type: none"> <li>All critical samples and analytes are analysed in accordance with the DQOs;</li> <li>Appropriateness of laboratory methods and PQLs.</li> </ul>

The minimum target frequency for each type of QA/QC sample should be carried out in accordance with the following table:

**Table 11: QA/QC Requirements**

Field QA/QC Sample	Frequency
Intra-Laboratory Duplicate	1 in 20 samples
Inter-Laboratory Duplicate	1 in 20 samples
Field Blanks	1 per day (rinsate)
Trip Blank	1 per sample batch
Trip Spike	1 per sample batch

Where any of the above objectives are not achieved for particular samples, steps will be taken to rectify the non-conformance, if possible. Alternatively, data qualifiers detailing the nature of the quality problem will be documented in the report and attached to relevant data in the result summary tables.

The target for overall completeness for each data set is a minimum of 95%. A data completeness of less than 95% may be accepted where it can be justified that the non-conformance does not have a significant effect on the outcome of the results.

### 7.3 Comparability

Data Comparability is the confidence (expressed qualitatively) that data may be considered to be equivalent for each sampling and analytical event.

The qualitative assessment should address the following:

**Table 12: Data Comparability**

Field	Laboratory
<ul style="list-style-type: none"> <li>Consistency in the use of standard operating procedures, equipment, sampler</li> <li>Consistency in the method of sample collection for each media</li> <li>Quantification of influence by climatic conditions</li> </ul>	<ul style="list-style-type: none"> <li>Consistency of analytical methods and limits of reporting (LOR) for each analyte</li> <li>Whether laboratory limits of reporting are set at &lt; 20% of the adopted site criteria value for each analyte</li> <li>Consistent use of one primary and one secondary laboratory</li> </ul>

## 7.4 Representativeness

Data Representativeness is the confidence (expressed qualitatively) that data are representative of each media present on the site.

The qualitative assessment should address the following:

**Table 13: Data Representativeness**

Field	Laboratory
<ul style="list-style-type: none"> <li>Samples are collected in accordance with the DQOs</li> <li>Receipt of samples within holding times</li> <li>Receipt of intact samples</li> <li>Receipt of adequately preserved samples</li> </ul>	<ul style="list-style-type: none"> <li>All samples are extracted and analysed within their respective holding times</li> </ul>

## 7.5 Precision

Data Precision is a quantitative measure of the variability (or reproducibility) of data.

Intra-laboratory or Inter-laboratory Duplicate Samples (B) results are compared with Primary Sample (A) results using Relative Percentage Differences (RPDs) according to the following formula:

$$\%RPD = \frac{|A - B|}{A + B} \times 200$$

Duplicate sampling rates for this assessment for each separate sample batch are to be tested for all the same analytes as the primary sample:

**Table 14: Data Precision**

Type of QC Sample	Control Limit
Field Intra-Laboratory Duplicate (Blind)	RPD < +/- 50%
Field Inter-Laboratory Duplicate (Split)	RPD < +/- 50%

Where the laboratory has reported results for a particular analyte below the limit of reporting for either the primary sample or a duplicate sample, the RPD is reported as 'Not Calculable' or NC. A discussion should be made as to which sample should be adopted and compared against the relevant assessment criteria. However, no discussion is required where both the primary sample and the duplicate sample for a particular analyte are below the limit of reporting.

## 7.6 Accuracy

Data Accuracy is a quantitative measure of the closeness of reported data to the true value. Laboratory measured recovery of analytes in lab control samples with known concentrations. Laboratory QA/QC testing is to include:

**Table 15: Data Accuracy**

Laboratory QA/QC Sample	Frequency
Method Blank	1 per 20 samples
Matrix Spike	1 per 20 samples
Laboratory Duplicate	Laboratory defined
Laboratory Control	Laboratory defined
Surrogate Spike	All organic samples



## 8 SITE INVESTIGATION AND SCREENING LEVELS

### 8.1 General

The selection of appropriate human health and ecological site assessment criteria were based on the “National Environmental Protection (Assessment of Site Contamination) Amendment Measure 2013 (No.1)”, NEPC (2013).

Full details of the site investigation and screening levels for each potential contaminant of concern in soils identified in Section 5 are presented in Appendix K.

### 8.2 Soils Investigation and Screening Levels

#### 8.2.1 Health Investigation Levels (HILs)

The NEPM presents Tier 1 Health Investigation Levels (HILs) for a broad range of chemicals such as metals, inorganics, PAHs, phenols, pesticides and other organics. The HILs are applicable to generic land uses such as residential, commercial/industrial or public open space and all soil types, generally within the first 3 metres of soil below ground level. The HILs have been applied to assess human health risks via all relevant pathways of exposure.

Based on the proposed development, soil investigation results within the site will be assessed against the **HIL ‘A’** - *Residential use with gardens/accessible soils, including children’s day-care centres, preschools and primary schools.*

#### 8.2.2 Health Screening Levels (HSLs)

The NEPM presents Tier 1 Health Screening Levels (HSLs) for the following petroleum compounds and fractions:

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX);
- Naphthalene; and
- TPH C6-C10 and TPH >C10-C16 fractions

The HSLs are applicable to generic land uses such as residential, commercial/industrial or recreational/public open space and different soil types between the ground surface and soils >4 metres below ground level. The HILs have been applied to assess human health risks via the inhalation and direct contact pathways of exposure.

### 8.2.3 Ecological Investigation Levels (EILs)

The NEPM presents Ecological Investigation Levels (Interim EILs) for As, Cu, CrIII, Ni, Pb, Zn, DDT and naphthalene.

The EILs are applicable to generic land uses such as areas of ecological significance, urban residential areas and public open space, and commercial/industrial land uses. The EILs have been applied to assess risks to terrestrial ecosystems, generally, within the top 2 metres of soil at the final surface/ground level.

Site specific EILs for Copper, Zinc, Nickel and Chromium III can be derived by adding the Ambient Background Concentration (ABC) to the Added Contaminant Limits (ACL), as per the following formula  $EIL = ABC + ACL$ .

The ABC of a contaminant is the soil concentration in a specified locality that is the sum of the naturally occurring background level and the contaminant levels that have been introduced from diffuse or non-point sources by generating anthropogenic activity not attributed to industrial, commercial, or agricultural activities.

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 are required. ACLs are based on the soil characteristics of pH, CEC and clay content. Different soil types / profiles will have different contaminant EILs rather than a single generic EIL for each contaminant. ACLs apply chromium III (CrIII), copper (Cu), nickel (Ni) and zinc (Zn) for site-specific EIL determination.

The soil properties to be measured for the site-specific derivation of ACLs for CrIII, Cu, Ni and Zn are summarised below:

- pH - Cu
- CEC - Cu, Ni, Zn
- % clay - CrIII

*Note – the lowest concentration of copper that is derived from the pH or the CEC calculation is to be used for the ACL.*

Insufficient data was available to derive ACLs for As, Pb, DDT and naphthalene. As a result, the derived EILs are generic to all soils and are presented as total soil contaminant concentrations in Tables 1(B)4 and 1(B)5.

#### **8.2.4 Ecological Screening Levels (ESLs)**

Table 1B (6) of the NEPM presents Ecological Screening Levels (ESLs) for TPH C6-C40 fractions, BTEX and benzo(a)pyrene.

The ESLs are applicable to generic land uses such as areas of ecological significance, urban residential areas and public open space, and commercial/industrial land uses. The ESLs have been applied to assess risks to terrestrial ecosystems, generally, within the top 2 metres of coarse or fine soil at the final surface/ground level.

#### **8.2.5 Petroleum Hydrocarbon Management Limits**

Table 1B (7) of the NEPM presents petroleum hydrocarbon management limits for application to TPH fractions C<sub>6</sub>-C<sub>10</sub>, >C<sub>10</sub>-C<sub>16</sub>, >C<sub>16</sub>-C<sub>34</sub> and >C<sub>34</sub>-C<sub>40</sub>. The management limits are applicable for coarse or fine soils in residential, parkland, public open space or commercial/industrial land uses following consideration of relevant ESLs and HSLs.

**Based on the proposed development, soil investigation results within the site will be assessed against the ‘Residential, parkland and public open space’.**

### 8.2.6 Asbestos

Health screening for asbestos in soil, which are based on scenario-specific likely exposure levels, is adapted from the WA DoH guidelines and are referred to in Table 7 in Schedule B1.

**Table 16: Health screening levels for asbestos contamination in soil**

Form of asbestos	Health Screening Level (w/w)			
	Residential A <sup>1</sup>	Residential B <sup>2</sup>	Recreational C <sup>3</sup>	Commercial/Industrial D <sup>4</sup>
Bonded ACM	0.01%	0.04%	0.02%	0.05%
FA and AF <sup>5</sup> (friable asbestos)	0.001%			
All forms of asbestos	No visible asbestos for surface soil			

1. Residential A with garden/accessible soil also includes children's daycare centres, preschools and primary schools.
2. Residential B with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high-rise buildings and apartments.
3. Recreational C includes public open spaces such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and unpaved footpaths.
4. Commercial/industrial D includes premises such as shops, offices, factories and industrial sites.
5. The screening level of 0.001% w/w asbestos in soil for FA and AF (i.e. non-bonded/friable asbestos) only applies where the FA and AF are able to be quantified by gravimetric procedures (refer to Section 4.10). This screening level is not applicable to free fibres.

### 8.3 Export of Waste

To assess the waste classification of materials to be disposed of off-site, the NSW EPA refers to the NSW EPA (2014) "*Waste Classification Guidelines, Part 1: Classifying Waste*".

## **9 SOIL INVESTIGATION**

### **9.1 General Methodology**

The soil investigation was carried out on the 7<sup>th</sup> September 2022 and was designed to meet the Data Quality Objectives. The fieldwork procedures adopted were carried out in general accordance with the Aargus fieldwork protocols, which are based on the industry-standard practice as prescribed in the NEPM.

Prior to the commencement of the intrusive investigation, a Dial-Before-You-Dig (DBYD) search was carried out and a professional services locator was engaged to clear the proposed sampling locations for underground services. A copy of the DBYD search obtained by Aargus can be found in Appendix Q.

Upon clearance of the proposed sampling locations, concrete surfaces at each borehole location (where present) were cored by using a 200mm diameter diatube. Each borehole was drilled using a hand auger with extension if it was required. The boreholes were backfilled with clean spoil or clean sand/gravel.

A description of sub-surface conditions observed during drilling are presented in borehole logs included in Appendix J.

### **9.2 Sampling Design Rationale**

Seventeen boreholes (BH1 to BH17) were drilled by adopting a systematic grid sampling pattern across the site to provide general site coverage with consideration given to accessibility, site features and the proposed development zones.

It is considered that the number of sampling points adopted meets the minimum requirements of the NSW EPA “Sampling Design Guidelines” (1995) for a site area of 6,400m<sup>2</sup> and to detect a hotspot diameter of 23.9m. The borehole locations are shown in Figure 5 of Appendix A.

### 9.3 Sampling Density and Sampling Depth

Boreholes were advanced through topsoil material and terminated at least 0.5m into natural soils to allow for the collection of at least one soil sample from topsoil material and one from natural soils.

### 9.4 Sampling Methodology

Soil sampling was carried out in general accordance with Aargus Fieldwork Protocols. In summary:

- Soil samples were collected using a hand auger from each soil type or change in lithology and approximately every 1-metre depth where no change in the material was apparent. However, additional samples were collected where there was visual evidence of contamination.
- Samples were transferred into a clean chilled laboratory supplied containers using a hand trowel.
- In general, each soil sample was divided into two sub-samples. One of the sub-samples was placed into a laboratory-supplied container and a second sub-sample was placed in a separate zip-lock bag for field headspace screening using a PID.

Sampling of asbestos was undertaken as follows:

- One wetted 500ml sample from each sampling location.

## **9.5 Field Tests**

A calibrated Photo-Ionisation Detector (PID) meter was used to obtain the following field measurements:

- Background concentrations of ionisable volatile organic compounds (VOCs) in the ambient air taken approximately 5 to 10 metres upwind of the general work area; and
- Headspace analysis of bagged soil samples collected to detect the presence of ionisable VOCs.

The PID readings were observed before and after each measurement of a sample to ensure that the PID was operating correctly. The procedures followed in performing field headspace on soil samples can be found in the Aargus Field Protocols.

Readings of PID maximums, fluctuations and general comments of observation were recorded in Aargus field record forms included in Appendix L. The PID calibration certificate can be found in Appendix L.

## **9.6 Soil Laboratory Analysis**

Soil samples were submitted to their respective laboratories as specified in Section 10.2. The schedules of analysis for each sampling batch are presented in Appendix O.

## 10 QUALITY ASSURANCE / QUALITY CONTROL

### 10.1 Field QA/QC

#### 10.1.1 General

The frequency required for each field quality assurance / quality control (QA/QC) sample is presented in the table below.

**Table 17: QA/QC Sampling Frequency**

	Intra-Lab Duplicates	Inter-Lab Duplicates	Rinsates	Trip Blanks	Trip Spikes
<b>Sampling Frequency</b>	1 in 20 primary samples	1 in 20 primary samples	1 / Day	1 / Day	1 / Day

#### 10.1.2 Field Duplicates

Duplicates of primary samples were collected to enable the assessment of variability in analyte concentrations between samples collected from the same sampling point. The table below list the duplicate soil samples collected with their corresponding primary samples.

**Table 18: Soil Field Duplicate Samples**

Primary Sample ID	Sample Depth (m bgl)	Blind Duplicate ID	Split Duplicate ID	Date Sampled
BH5	0-0.1	D2	SS2	07.09.2022
BH14	0-0.1	D1	SS1	07.09.2022

#### 10.1.3 Rinsates

Rinsate samples recovered for each day in which sampling took place to identify possible cross contamination between the sampling locations are listed in the table below.

**Table 19: Rinsate Samples**

Sample ID	Equipment Type	Sample Media	Date Collected
R1	Hand Trowel	Soil	07.09.2019



#### 10.1.4 Trip Blanks / Spikes

Trip spike and trip blank samples were collected to assess the effect of sample handling on volatile concentrations in the samples collected and are listed in the table below.

**Table 20: Trip Blank/Trip Spikes**

Sample ID	QC Sample Type	Media	Date Collected
Tripblank	Trip Blank	Soil	07.09.2022
Tripspike	Trip Spike	Soil	07.09.2022

#### 10.1.5 Sample Handling, Storage and Transport

The following sampling handling, storage and transport procedures were adopted to ensure sample integrity:

- Samples were collected in laboratory supplied containers. A list of sample preservation methods and the types of sample containers used are attached in Appendix M.
- Soil sample containers were placed immediately into a chilled cooler box and dispatched to their respective analytical laboratories on the same day. If this was not possible, samples were temporarily held overnight in the Aargus office refrigerator at a temperature of no greater than 4 °C and dispatched the following day.
- A Chain of Custody (COC) form was completed for all samples collected and included with the samples for transport to their respective laboratories for chemical analysis. Copies of COCs are included in Appendix N.
- All glass jars were individually bubble wrapped for protection and insulated containers/coolers were used for sample shipment.
- Disposable nitrile gloves were used for OH&S purposes and were changed between every sample location.

### **10.1.6 Decontamination Procedures**

The decontamination of non-dedicated sampling equipment was achieved by washing with a phosphate-free detergent and tap water, followed by a final rinse with distilled water. Decontamination was conducted after the collection of samples at each sample location. A clean pair of disposable gloves were used when handling each sample.

The hand augers were decontaminated between sampling locations by physically removing soil material between boreholes, washing the augers with Decon 90 and rinsing them with water.

### **10.1.7 Calibration of Equipment**

The 10.6eV lamp of the PID was calibrated with isobutylene gas at 100ppm prior to the commencement of fieldwork and prior to the commencement of each day's fieldwork. The battery in the PID unit was recharged after every day's use in the field.

Copies of calibration records for each relevant item of equipment used can be found in Appendix L.

## **10.2 Laboratory QA/QC**

### **10.2.1 Laboratories Used**

The following NATA-accredited laboratories were commissioned to carry out laboratory analysis of soil samples collected:

- Primary Laboratory –Eurofins MGT (Sydney)
- Secondary Laboratory – ALS Environmental
- ASET Environmental - conducted asbestos analysis on selected primary soil samples

These laboratories also operate Quality Systems that are designed to comply with ISO/IEC 17025. All primary samples, blind duplicates, rinsate samples, and trip blank/spikes were dispatched to the primary laboratory. All split samples were dispatched to the secondary laboratory. Laboratory Certificates of Analysis are included in Appendix N.

### 10.2.2 Holding Times

The holding times for chemicals analysed are presented in Appendix M and were based on USEPA methods, Standard Methods for the Examination of Water and Wastewater (APHA).

### 10.2.3 Test Methods and Practical Quantitation Limits

The test methods adopted by the laboratories are listed in Appendix M and the Practical Quantitation Limits (PQLs) adopted are specified within the Laboratory Certificates of Analysis included in Appendix N.

The methods used by the laboratories generally comply with those listed in the NEPM such as Standards Australia and International standards (US EPA SW-846, APHA 2005, ASTM 2008). Alternate methods may be used by the laboratories; however, the alternative method must be at least as rigorous and reliable as the reference method, and either that:

- It has been validated against an appropriate Certified Reference Material (CRM) on the range of soil types and concentrations most likely to be analysed. This requires adequate recovery of analytes using CRMs during method validation, as well as regular participation in national proficiency trials by bodies such as the National Measurement Institute (NMI) or Proficiency Testing Australia (PTA) or other accredited provider; and / or
- It has been verified against quantitative data generated by a laboratory that is accredited for the reference method to ISO 17025 by NATA or one of its mutual recognition agreement partners.

The laboratory should document the method of performance verification and make the data available for an independent audit.

### 10.3 QA/QC Data Evaluation

A full evaluation of the Data Quality Indicators (DQIs) for both fieldwork and laboratory procedures is presented in Appendix P. These were assessed with reference to Appendix V of the NEPM and Guidelines for the NSW Site Auditor Scheme (3<sup>rd</sup> ed.), 2017.

In summary, the findings of the QA/QC evaluation indicated the following:

- Data Completeness – The data set is considered to be adequately complete.
- Data Comparability – The data set is considered to be adequately comparable. However, the following minor non-conformances were identified:
  - The analytical methods used for each analyte within each laboratory were the same but differed between the primary and the secondary laboratories. However, all analytical methods used were endorsed by NATA and were unlikely to affect the outcome of the results.
  - Sample PQL's were the same within each laboratory, but different between primary and secondary laboratories. In addition, a raised PQL was present in BH15 & D1 for OCP due to matrix interference.
  - However, the PQLs used were below the assessment criteria and hence will not affect the assessment outcome.
- Data Representativeness – The data set is considered to be adequately representative.
- Data Precision – The data set is considered to be adequately precise. However, the following minor non-conformances were identified:
  - All field duplicate results were within the control limit of <50% with the exception of Chromium, copper & lead in BH5/D1, Lead, mercury & zinc in BH14/D2, Chromium, copper & lead in BH5/SS1 and Lead & zinc in BH14/SS2. Due to sample heterogeneity and/or low concentrations detected. The exceedances were considered not to affect the adequacy of the sample results since the collected data is above 95% accuracy.
  - Based on the laboratory's acceptance criteria, all RPDs of the laboratory duplicates were within control limits except for Arsenic, Copper, Lead, Mercury, Zinc &/or TRH. The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause. The RPD reported passes Eurofins Environment Testing's QC -

Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

- Data Accuracy – The data set is considered to be adequately accurate. However, the following minor non-conformances were identified:
  - The matrix spike recoveries were within control limits, with the exception of Chlordane's-Total in 921905-W. The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.

The sampling methods (including sample preservation, transport and decontamination procedures) and laboratory methods followed during this investigation works were consistent with Aargus protocols and were found to meet the DQOs for this project.

It is therefore considered that the data is sufficiently reliable and that the results can be used for the purpose of this project.

## 11 FIELD OBSERVATIONS

### 11.1 Geology

Based on surface and sub-surface conditions observed during the intrusive investigation, the surface and sub-surface profiles across the site are summarised in the table below.

**Table 21: Summary of Geological Observations**

Geological Unit	Lithological Description	Depth Ranges: Top to Base (m bgl)
NA	Concrete / Bitumen / Pavers / Pavement	BH13, BH14, BH15, BH16, BH17
Topsoil	Sandy clay, silty gravelly clay, clayey sand	Ground level to 0.8m (BH1)
Natural Soils	Silty CLAY, CLAY	0.3m (BH17) to 1m (BH1)

The following additional observations were made:

- No hydrocarbon staining was observed within any of the borehole locations.
- No hydrocarbon odours were encountered within any of the borehole locations.
- No fibre-containing fragments were observed in any of the borehole samples.

We recommend that this section be read in conjunction with Figure 5 (Sample Location Plan) in Appendix A, the Daily Work Sheets in Appendix L and the borehole logs in Appendix J.

### 11.2 Field Headspace Results

Ionisable VOC detections in PID readings taken from soil samples subjected to field headspace analysis were all less than 1ppm. The PID field record forms can be found in Appendix L.

The PID field record forms can be found in Appendix L.

## 12 LABORATORY RESULTS

### 12.1 General

A comparison of soil laboratory results against their respective assessment criteria (as specified in Section 8) are presented in the summary tables in Appendix O. Certificates of laboratory analysis are attached in Appendix N. A discussion of the results is presented in the following sub-sections.

### 12.2 Soil Results

#### 12.2.1 Heavy Metals

##### 12.2.1.1 Health Investigation Levels (HILs)

As indicated in Table A1, the concentrations of the discrete heavy metals were below the Health Investigation Level (HIL) for a residential development, that being the HIL 'A', with the exception of:

- A Lead concentration of 330mg/kg in the sample BH2 (0-0.1m) which exceeded the HIL 'A' of 300mg/kg.
- A Lead concentration of 470mg/kg in the sample BH7 (0-0.1m) which exceeded the HIL 'A' of 300mg/kg.

##### 12.2.1.2 Ecological Investigation Levels (EILs)

As indicated in Table A1, the arsenic concentrations were below the Ecological Investigation Level (EIL) for urban residential and public open space.

The EILs for Copper, Zinc and Nickel were derived by adding the Ambient Background Concentration (ABC) to the Added Contaminant Limits (ACL), as per the following formula  
 $EIL = ABC + ACL$ .

The ABC for the site has been determined by recovering a sample from an appropriate reference point, that being borehole BH7 (0.8-0.9m) sampled from the area at the rear of a residential building that is observed to be unaffected by any site activities.

The ABC concentrations are summarised in Table A3.

The results of pH and CEC for the natural soil samples are summarised in Table A2. Based on the results in Table A2, the site ACLs for CrIII, Cu, Ni, and Zn have been derived and are provided in Table A3.

The calculated EIL for Cu, Pb, Ni and Zn, after appropriate rounding, have been summarised in Table A3.

Therefore, as shown in Table A4, the Cu, Pb, Ni and Zn concentrations from all the sampling locations were below the site-derived EILs, with the exception of:

- A Copper concentration of 400mg/kg in the sample BH6 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
- A Copper concentration of 530mg/kg in the sample BH12 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
- A Copper concentration of 210mg/kg in the sample BH16 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.

## **12.2.2 TRH, BTEX, NAPHTHALENE &/OR BENZO(a)PYRENE**

### **12.2.2.1 Health Screening Levels (HSLs)**

As indicated in Tables B1-1 & B1-2, the F1 (C<sub>6</sub>-C<sub>10</sub>), F2 (>C<sub>10</sub>-C<sub>16</sub>), benzene, toluene, ethyl benzene, xylenes and naphthalene concentrations were below the HSL 'A' & HSL 'B' for a sand and clay soil profile with a source depth of "0m to <1m".



### **12.2.2.2 Ecological Screening Levels (ESLs)**

As indicated in Tables B2-1 & B2-2, the F1 (C<sub>6</sub>-C<sub>10</sub>), F2 (>C<sub>10</sub>-C<sub>16</sub>), F3 (C<sub>16</sub>-C<sub>34</sub>), F4 (C<sub>34</sub>-C<sub>40</sub>), benzene, toluene, ethyl benzene, xylenes and benzo(a)pyrene concentrations were below the ESL for a coarse and fine-grained soil texture in an urban residential and public open space” environment.

### **12.2.2.3 Management Limits**

As indicated in Tables B3-1 & B3-2, the F1 (C<sub>6</sub>-C<sub>10</sub>), F2 (>C<sub>10</sub>-C<sub>16</sub>), F3 (C<sub>16</sub>-C<sub>34</sub>) and F4 (C<sub>34</sub>-C<sub>40</sub>) concentrations were below the Management Limits for a coarse / fine grained soil texture in an “residential parkland and public open space” environment.

## **12.2.3 PAH, OCP, Phenols**

### **12.2.3.1 Health Investigation Levels (HILs)**

As indicated in Table C, the concentrations of the benzo(a)pyrene (as TEQ), Total PAH, OCP and/or Phenols were below the Health Investigation Level (HIL) for a residential development, that being the HIL ‘A’.

### **12.2.3.2 Ecological Investigation Levels (EILs)**

As indicated in Table C, the concentrations of naphthalene and DDT/DDE/DDD were below the Ecological Investigation Level (EIL) for urban residential and public open space.

### **12.2.3.3 Ecological Screening Levels (ESLs)**

As indicated in Table C, the benzo(a)pyrene concentrations were below the ESL for a coarse grained soil texture in an “urban residential and public open space” environment.

#### **12.2.4 Asbestos**

As indicated in Table D, no asbestos was detected in any of the samples analysed, with the exception of borehole BH7 (0-0.1m).

Laboratory analysis revealed that the concentration of Chrysotile Asbestos fibres within underlying soils was 0.00003% w/w, which was below the adjusted assessment criteria, those being the HIL 'A'.

## 13 DISCUSSION OF RESULTS

### 13.1 Soil Quality

The soil assessment revealed the following:

- All the heavy metals concentrations from the soil samples analysed were below the Health Investigation Level (HIL) for a residential development, that being the HIL 'A', with the exception of:
  - A Lead concentration of 330mg/kg in the sample BH2 (0-0.1m) which exceeded the HIL 'A' of 300mg/kg.
  - A Lead concentration of 470mg/kg in the sample BH7 (0-0.1m) which exceeded the HIL 'A' of 300mg/kg.
- The heavy metals concentrations from the soil samples analysed were below the site derived EILs, with the exception of:
  - A Copper concentration of 400mg/kg in the sample BH6 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
  - A Copper concentration of 530mg/kg in the sample BH12 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
  - A Copper concentration of 210mg/kg in the sample BH16 (0-0.1m) which exceeded the site derived EIL of 200mg/kg.
- The TRH, BTEX and/or naphthalene concentrations from the samples were below the HSL 'A&B', ESLs and/or the Management Limits
- The benzo(a)pyrene (as TEQ), Total PAH, OCP and Phenols concentrations were below the HIL 'A', EILs and/or ESLs.
- Laboratory analysis revealed that asbestos was not detected in the recovered soil samples analysed with the exception of BH7 where Chrysotile Asbestos was detected below the adjusted assessment criteria, those being the residential with soil access.

Reference should be made to Figure 7 in Appendix A for a copy of the hotspot location plan.

## 14 CONCEPTUAL SITE MODEL

### 14.1 Conceptual Site Model

The refined Conceptual Site Model (CSM) presented in the table below provides a representation of the potential risks associated with the linkages between the following elements:

- Potential contamination sources and their associated contaminants of concern are identified in Section 4. Only potential areas of concern with a significance rating of low to high were included;
- Potential human receptors that may be impacted by site contamination are current and future end-users, construction workers and the general public within the immediate vicinity;
- Potential environmental receptors identified in Section 4;
- Potential exposure pathways; and
- Whether each source-pathway-receptor pollution linkage is complete, limited or not present, based on current and future site conditions.

**Table 22: Conceptual Site Model**

Potential Sources	Potential Receptor	Potential Exposure Pathways	Complete Linkages	Risk	Justification
Lead in BH2 & BH7	Site users or the general public	Dermal contact, inhalation or ingestion of exposed impacted soils	Limited (Current)	Low	Direct contact with impacted soils is limited to the grassed areas and/or sealed surfaces.
Copper in BH6, BH12 & BH16			No (Future)	Negligible	The soils will be removed as part of future remediation works.

## 14.2 Data Gaps

Based on the CSM, the following data gaps were identified with respect to the pollution linkages identified:

- The vertical and/or lateral extent of the impacted soils at locations BH2, BH6, BH7, BH12 & BH16.
- No investigation was conducted within the existing building footprints across the site.

## 15 CONCLUSION AND RECOMMENDATIONS

Based on the results of this investigation it is considered that the risks to human health and the environment associated with soil contamination at the site are low within the context of the proposed use of the site for a residential development.

Based on the CSM, the following data gaps were identified with respect to the pollution linkages identified:

- The vertical and/or lateral extent of the impacted soils at locations BH2, BH6, BH7, BH12 & BH16.
- No investigation was conducted within the existing building footprints across the site.

The site is therefore considered to be rendered suitable for the proposed use, subject to the following:

- An appropriate remedial / management strategy is developed, culminating in preparation of a Remedial Action Plan (RAP) in accordance with EPA guidelines, in regard to addressing for the data gaps across the site, in particular the contaminated topsoil materials in the proposed development area.
- Any soils requiring removal from the site, as part of future site works, should be classified in accordance with the “Waste Classification Guidelines, Part 1: Classifying Waste” NSW EPA (2014).

If during the remaining site works, significant odours and / or evidence of gross contamination not previously detected are encountered, or any other significant unexpected occurrence, site works should cease in that area, at least temporarily, and the environmental consultant should be notified immediately to set up a response to this unexpected occurrence.

Thank you for the opportunity to undertake this work. We would be pleased to provide further information on any aspects of this report.

For and on behalf of

**Aargus Pty Ltd**

**Written by:**

*Sagar Koirala*

**Sagar Koirala**

Environmental Scientist

**Reviewed By:**

*Rostami Ilia*

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## LIMITATIONS

The Aargus assessment is based on the result of limited site investigations and sample testing. Neither Aargus, nor any other reputable consultant, can provide unqualified warranties, nor does Aargus assume any liability for site conditions not observed or accessible during the time of the investigations.

Despite all reasonable care and diligence, the materials encountered and concentrations of contaminants measured may not be representative of conditions between the locations sampled and investigated. There is always some disparity in subsurface conditions across a site that cannot be fully defined by investigation. Hence it is unlikely that measurements and values obtained from sampling and testing during environmental works carried out at a site will characterise the extremes of conditions that exist within the site. In addition, site characteristics may change at any time in response to variations in natural conditions, chemical reactions, truck movement or contractor movement of soils and other events, e.g. groundwater movement and or spillages of contaminating substances. These changes may occur subsequent to Aargus investigations and assessment.

This report and associated documentation and the information herein have been prepared solely for the use of the client at the time of writing the report and is valid (for the purposes of management or transport of material) for a period of one month only from the date of issue. Any other reliance assumed by third parties on this report shall be at such parties' own risk. Any ensuing liability resulting from the use of the report by third parties cannot be transferred to Aargus.

Whilst this report provides a review of site conditions encountered at sampling locations within the investigation, it should be noted that if materials are proposed to be moved from the site - Part 5.6, Section 143 of the Protection of the Environment Operations (POEO) Act 1997 states that is an offence for waste to be transported to a place that cannot lawfully be used as a facility to accept that waste. It is the duty of the owner and transporter of the waste to ensure that all material removed from a site must be accompanied by an appropriate waste classification report and that materials are disposed of appropriately. An environmental or validation report does not constitute a waste classification report and results are treated



differently. Aargus accepts no liability for the unlawful disposal of waste materials from any site. Aargus does not accept any responsibility for the material tracking, loading, management, transport or disposal of waste from the site. If material is to be removed from a site, before disposal of any material to a licensed landfill is undertaken, the site owner must ensure an appropriate waste classification exists for all materials on the site planning to be removed, the waste producer will need to obtain prior consent from the licensed landfill/recycler. The receiving site should check to ensure that the material received matches the description provided in the report.

Opinions are judgements, which are based on our understanding and interpretation of current regulatory standards, and should not be construed as legal opinions.

Appendix R – Important information about your environmental site report should also be read in conjunction with this report.

## REFERENCES

This report was prepared with reference to the following guiding documents:

- NSW Department of Planning and Environment (2022) – The State Environmental Planning Policy (Resilience and Hazards) 2021: “Chapter 4 – Remediation of Land”.
- National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No.1).
- NSW DEC “Guidelines for the NSW Site Auditor Scheme” (2017, 3<sup>rd</sup> edition). NSW Environment Protection Authority, Sydney.
- NSW EPA (2014) – “Waste Classification Guidelines, Part 1: Classifying Waste”.
- NSW EPA “Guidelines for Consultants Reporting on Contaminated Sites” (2020). NSW Environment Protection Authority, Sydney.
- NSW EPA “Sampling Design Guidelines” (2022). NSW Environment Protection Authority, Sydney.
- EI Australia (2022) - Acid Sulphate Soil Assessment and Management Plan, 122 Crescent Road, Newport, NSW 2106 (Ref: E25561.E14\_Rev0, dated 6<sup>th</sup> April 2022).

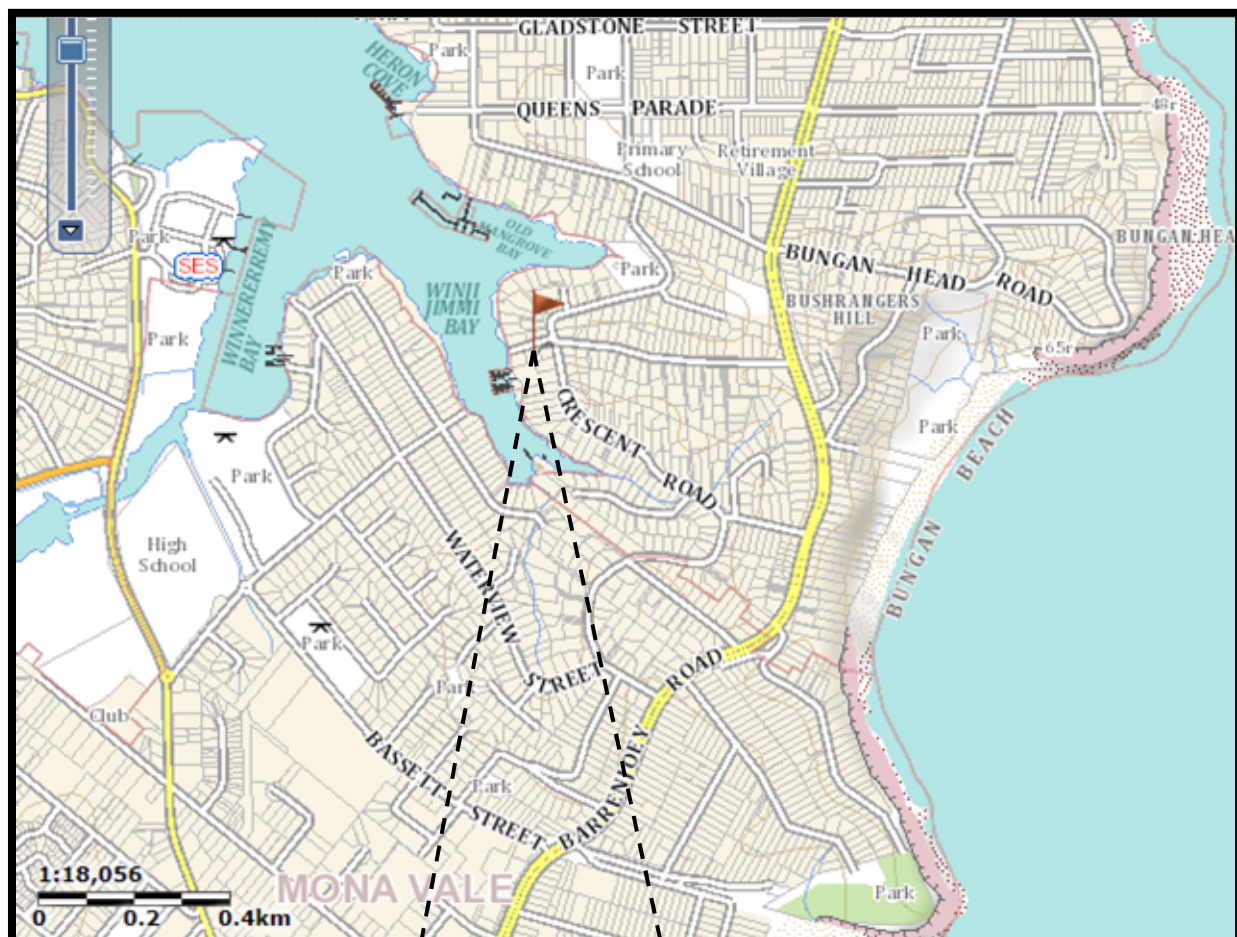
# APPENDIX A

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## SITE PLANS



# SITE LOCALITY MAP



## 12 PROJECT DETAILS

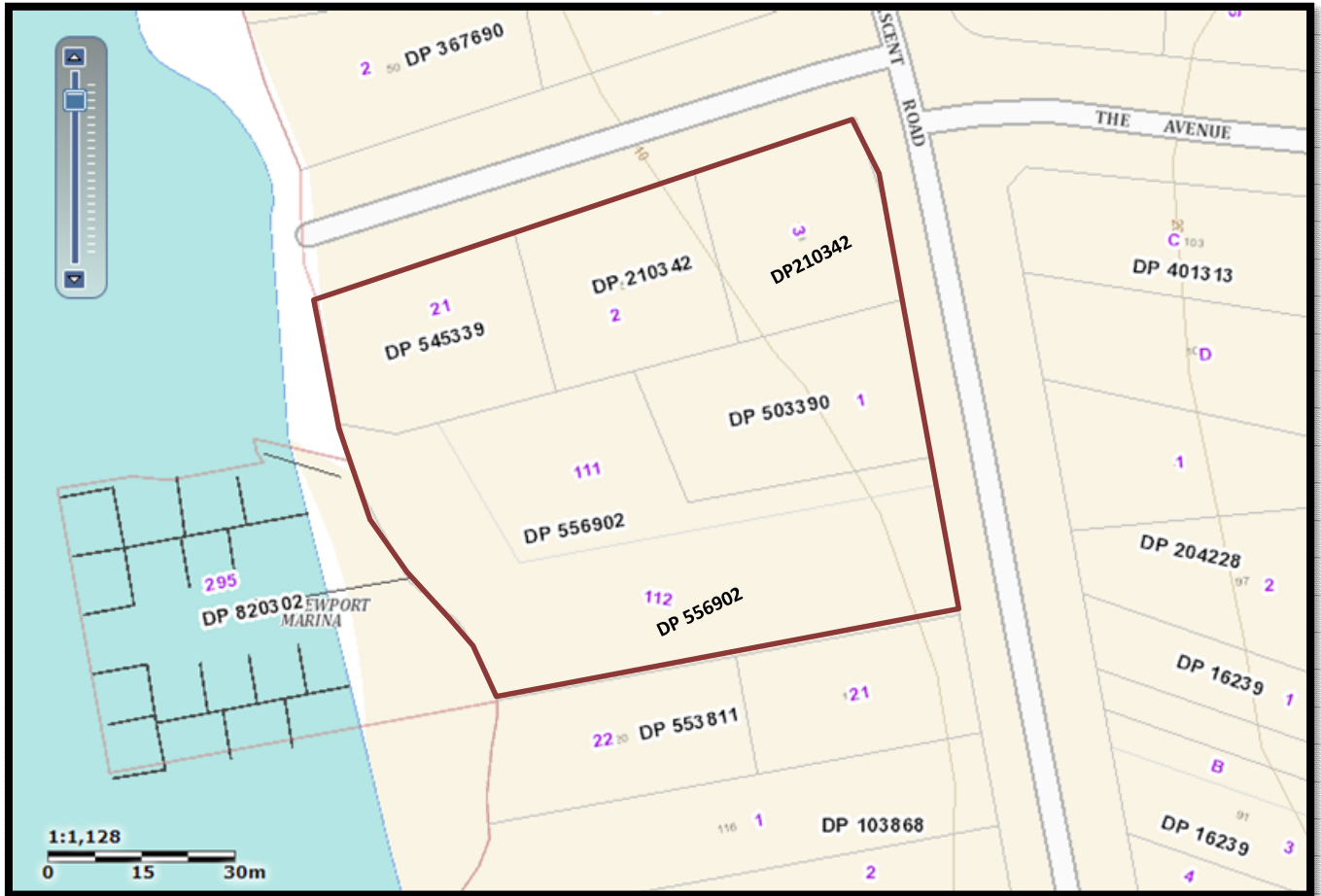
Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport, NSW



## DRAWING DETAILS

Figure No.	1	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	05.09.2022
Approved by	MK	Date	06.10.2022

# SITE PLAN – LOT & DEPOSITED PLAN



## PROJECT DETAILS

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport, NSW



## DRAWING DETAILS

Figure No.	2	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	05.09.2022
Approved by	MK	Date	06.10.2022



# SITE FEATURES



## SITE FEATURES - LEGEND

1. 57 The Avenue - brick and timber house with a tile roof
2. Concrete and bitumen driveway
3. Concrete block shed and metal container
4. 55 The Avenue - weatherboard house with a metal roof
5. Gravel / dirt driveway
6. 128 Crescent Road - brick house with a metal roof
7. Concrete driveway
8. 126 Crescent Road - fibro house with a metal roof
9. Fibro garage with metal roof and concrete driveway
10. Bitumen driveway
11. Open, gravel and bitumen covered area
12. Metal shipping containers
13. Bitumen car park
14. 122 Crescent Road - two-storey rendered commercial building with metal roof
15. Cladded Workshop with metal roof and concrete floor
16. Concrete covered area

## PROJECT DETAILS

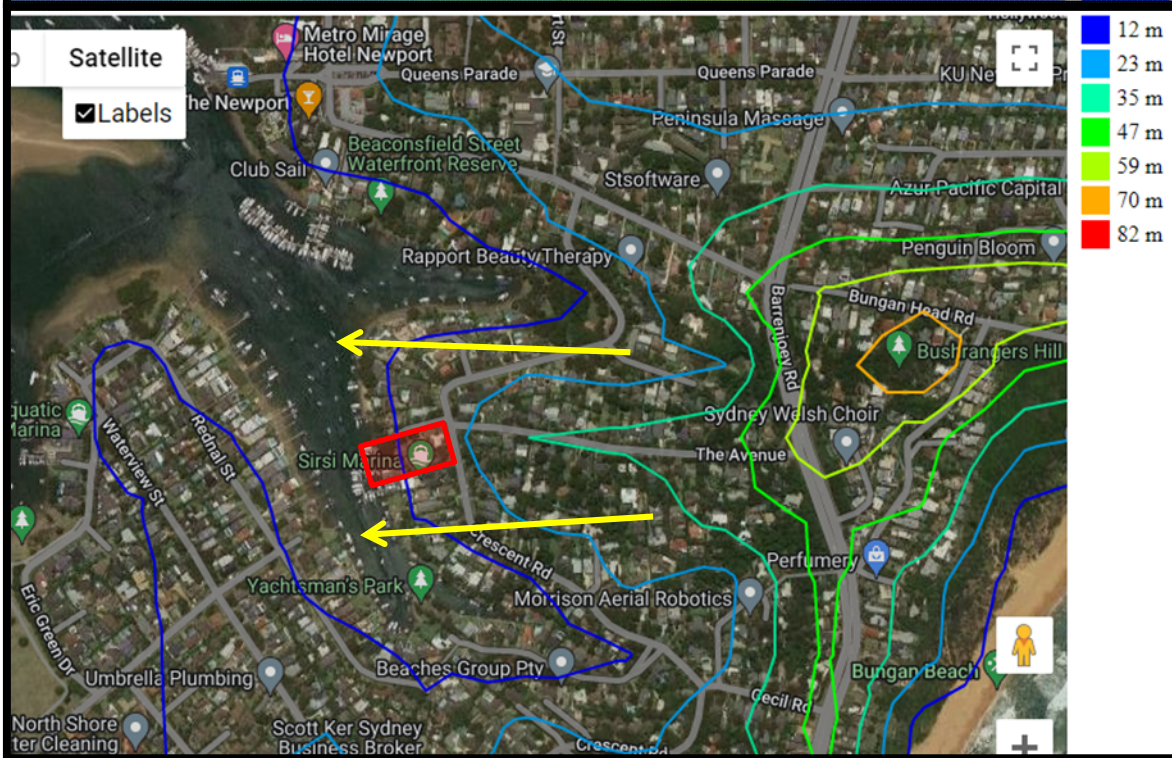
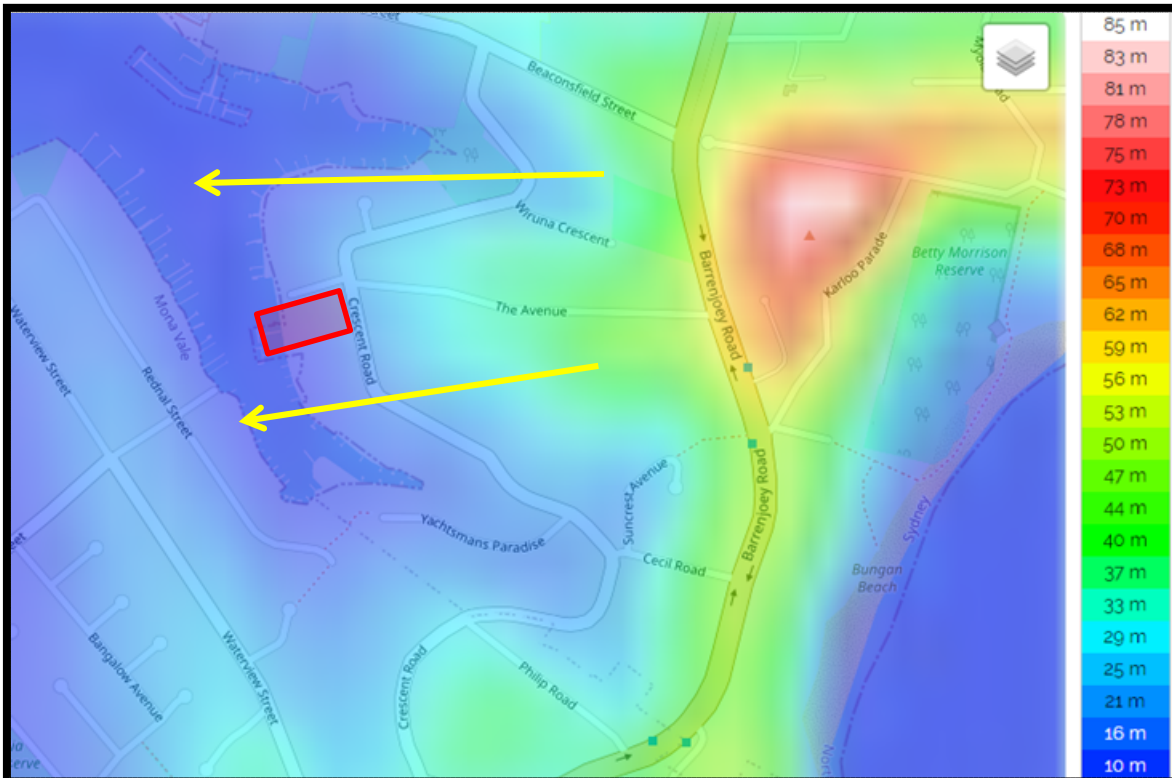
Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW



## DRAWING DETAILS

Figure No.	3	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	05.09.2022
Approved by	MK	Date	06.10.2022

# INFERRED GROUNDWATER FLOW DIRECTION



## SITE FEATURES - LEGEND

- Inferred Groundwater Flow Direction
- Site Boundary

## PROJECT DETAILS

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW



## DRAWING DETAILS


Figure No.	4	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	05.09.2022
Approved by	MK	Date	06.10.2022



SAMPLING LOCATION PLAN ON AERIAL VIEW



LEGEND

 Borehole locations

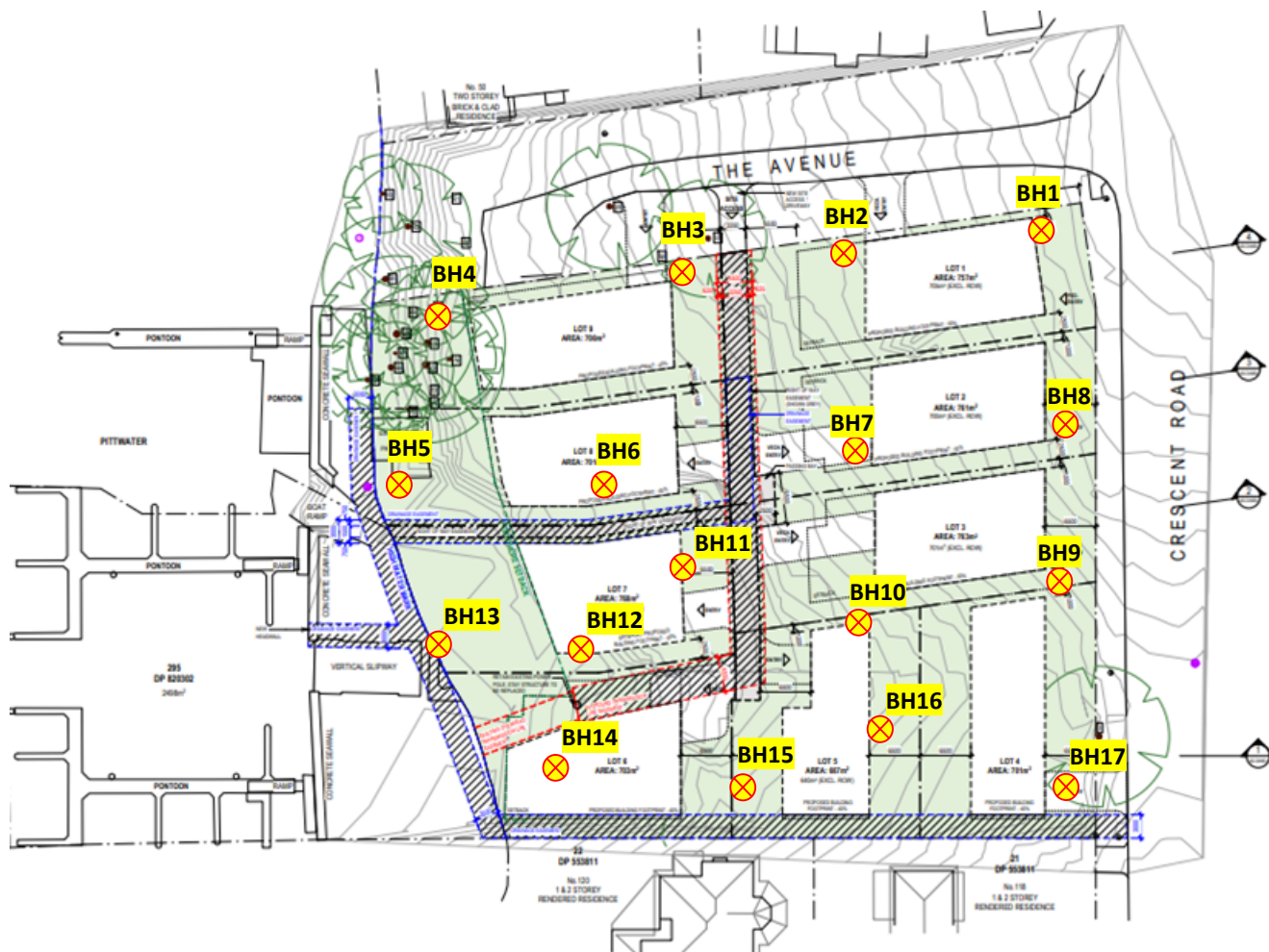
PROJECT DETAILS	
Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW



DRAWING DETAILS			
Figure No.	5	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	05.09.2022
Approved by	MK	Date	06.10.2022





# BOREHOLE LOCATIONS ON PROPOSED DEVELOPMENT LAYOUT



Source: Scott Carver

## Legend:

	Site Boundary
	Environmental Borehole Locations

## PROJECT DETAILS

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW



## DRAWING DETAILS

Figure No.	6	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	05.09.2022
Approved by	MK	Date	06.10.2022

# HOTSPOT LOCATIONS



## LEGEND

 Hotspot locations

## PROJECT DETAILS

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW



## DRAWING DETAILS

Figure No.	7	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	05.10.2022
Approved by	MK	Date	06.10.2022

# **APPENDIX B**

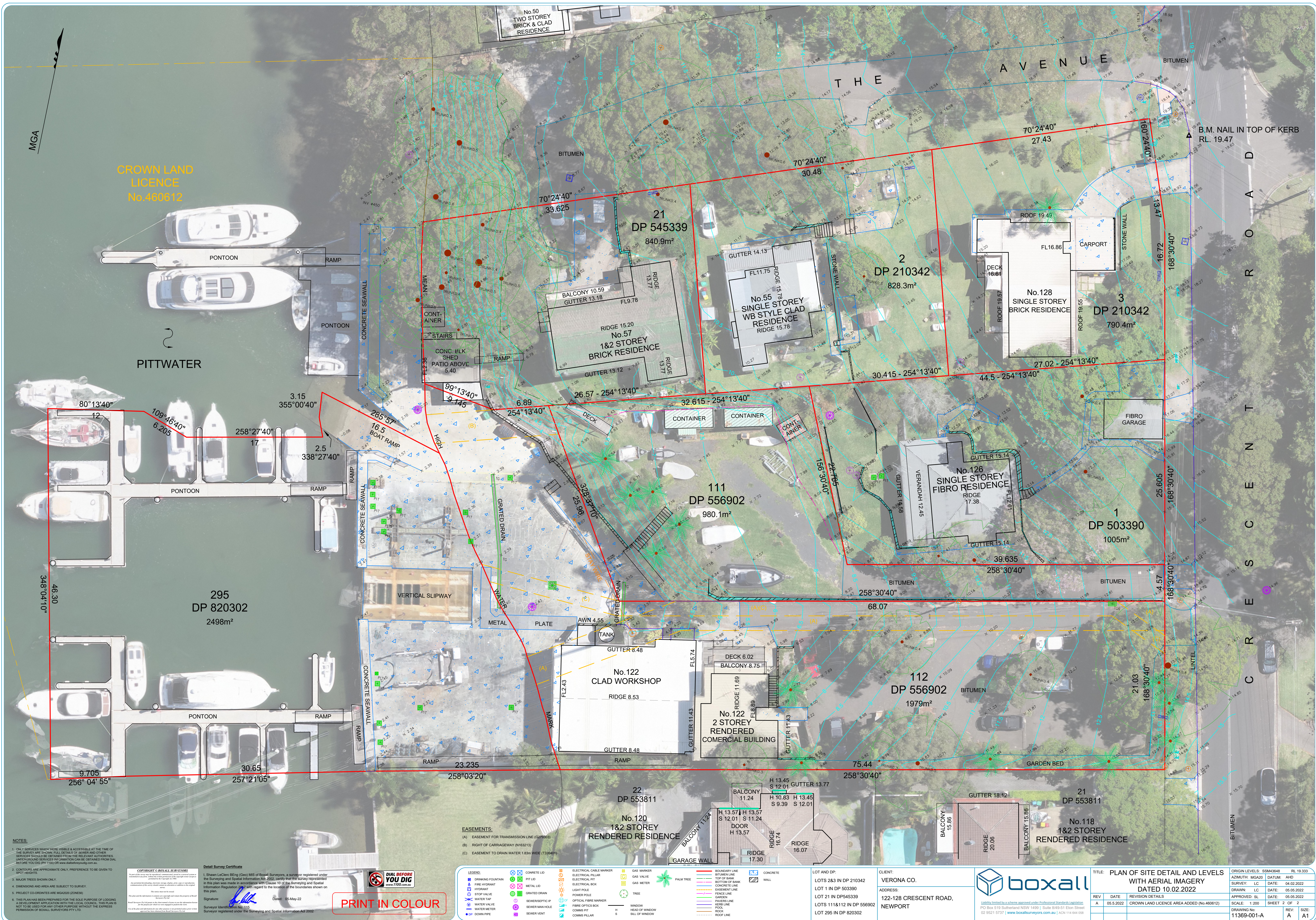
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## **PROPOSED DEVELOPMENT PLANS SITE SURVEY PLANS**











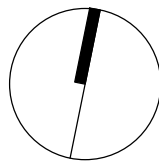


**LEGEND**

- BOUNDARY LINE
- HIGH WATER MARK
- FORESHORE SETBACK
- RIGHT OF WAY
- DRAINAGE EASEMENTS  
REFER TO SITEWORKS AND  
DRAINAGE PLAN FROM BG&E
- UNDERGROUND CABLE EASEMENT  
REFER TO PROPOSED UNDERGROUND  
SERVICES PLAN FROM IGS
- INDICATIVE BUILDING FOOTPRINT  
SUBJECT TO FUTURE DWELLING DA
- INDICATIVE LANDSCAPED AREA
- BUILDING SETBACK
- TREE TO REMAIN

FOR DETAILED ARBORIST REPORT  
REFER TO REPORT 6322 BY RAINTREE  
CONSULTING - DATED 25.05.2022

BASED ON SURVEY BY BOXALL DATED  
05.05.2022 - DRAWING NO. 11369-001-A







[Status]	PRELIMINARY	
[Nom. Architect]	DOUG SOUTHWELL /7362	
[File]		
[Print Date]	26/05/2022 2:05:16 PM	
History		
[Rev#]	[Description]	[Date]dd.mm.yy
A	DRAFT SUBDIVISION	28.04.2022
B	DRAFT SUBDIVISION	03.05.2022
C	DRAFT SUBDIVISION	19.05.2022
D	DRAFT SUBDIVISION	26.05.2022

LEGEND	
	BOUNDARY LINE
	DEMOLITION
	HIGH WATER MARK
	FORESHORE SETBACK
	INDICATIVE BUILDING FOOTPRINT
	BUILDING SETBACK
	INDICATIVE LANDSCAPED AREA
	EASEMENT
	RIGHT OF WAY
EXISTING EASEMENTS	
A. TRANSMISSION LINE	
B. RIGHT OF CARRIAGEWAY	
C. DRAIN WATER (1.83M WIDE)	
NEW EASEMENTS	
TBC	







BASED ON SURVEY BY BOXALL DATED  
10.02.2022 - DRAWING NO. 11369-001





[Status]	PRELIMINARY
[Nom. Architect]	DOUG SOUTHWELL /7362
[File]	
[Print Date]	8/06/2022 10:24:53 AM
	History
[Rev#] [Description]	[Date]dd.mm.yy
1 SUBDIVISION DA	07.06.2022

## LEGEND

	BOUNDARY LINE
	HIGH WATER MARK
	FORESHORE SETBACK
	RIGHT OF WAY
	DRAINAGE EASEMENTS REFER TO SITEWORKS AND DRAINAGE PLAN FROM BG&E
	UNDERGROUND CABLE EASEMENT REFER TO PROPOSED UNDERGROUND SERVICES PLAN FROM IGS

BASED ON SURVEY BY BOXALL DATED  
05.05.2022 - DRAWING NO. 11369-001-A



# APPENDIX C

---

## SITE PHOTOGRAPHS



## SITE PHOTOGRAPHS

Client	Essex Develop Pty Ltd
Project	Detailed Site Investigation
Location	122-128 Crescent Road and 55-57 The Avenue, Newport NSW
Job No.	ES8577
Taken by	SK



Photograph N° 1



View of: Frontage of the single-storey residential dwelling comprising brick walls and metal roof.  
Inspected on 07.09.2022

Photograph N° 2



View of: Rear of the residential dwelling comprising an open terrace  
Inspected on 07.09.2022

Photograph N° 3



View of: General site condition of the bottom of slope, Borehole Location BH12  
Inspected on 07.09.2022

Photograph N° 4



View of: Metal SHIPPING Containers used for storage of equipments.  
Inspected on 07.09.2022

Photograph N° 5



View of: Entrance to Sirsi Marina  
Inspected on 07.09.2022

Photograph N° 6



View of: General site condition around the metal shipping containers  
Inspected on 07.09.2022

## SITE PHOTOGRAPHS

Client	Essex Develop Pty Ltd
Project	Detailed Site Investigation
Location	122-128 Crescent Road and 55-57 The Avenue, Newport NSW
Job No.	ES8577
Taken by	SK



Photograph N° 7



View of: Bitumen car park for the marina  
Inspected on 07.09.2022

Photograph N° 8



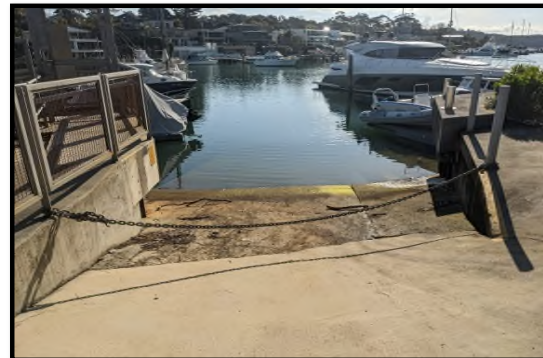
View of: General site condition of concreted area adjacent to the workshop.  
Inspected on 07.09.2022

Photograph N° 9



View of : Topsoil and Natural soil found within the borehole BH12  
Inspected on 07.09.2022

Photograph N° 10



View of: General site condition around boat ramp.  
Inspected on 07.09.2022

Photograph N° 11



View of : Double-storey brick residence with roof tiles.  
Inspected on 07.09.2022

Photograph N° 12



View of: General site boundary condition along Crescent Avenue .  
Inspected on 07.09.2022

# APPENDIX D

---

## LAND TITLE INFORMATION







19/08/2022 03:17 PM

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Form: 01T  
Release: 3.4  
www.lands.nsw.gov.au

①

## TRANSFER

New South Wales  
Real Property Act 1900



AD866777X

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

### STAMP DUTY

Office of State Revenue use only

NEW SOUTH WALES DUTY

02-04-2008

0004915695-003

SECTION 18(2)

DUTY

\$ \*\*\*\*\*2.00

(A) **FOLIO OF THE REGISTER**

Folio Identifier 1/503390

(B) **LODGED BY**

Document  
Collection  
Box

128V

Name, Address or DX, Telephone, and LLPN if any

123065C

Gilbert + Tobin

DX 10348 SSE

Telephone: 9296 4183

Reference: KXV:AAH:1004127

CODES

T

TW

(Sheriff)

(C) **TRANSFEROR**

FERMENTATION INDUSTRIES (AUST) PTY LTD ACN 001 564 245

(D) **CONSIDERATION**

The transferor acknowledges receipt of the consideration of \$ 1,008,000.00 and as regards

(E) **ESTATE**

the above folio of the Register transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFeree**

BITOVA PTY LIMITED ACN 071 155 818

(I) **TENANCY:**

DATE DD NOT DATE

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: FERMENTATION INDUSTRIES (AUST) PTY LIMITED

Authority: S122 CORPORATION'S Act 2001

Signature of authorised person:

Name of authorised person:

Office held:

JULIE AXELSON  
DIRECTOR

Signature of authorised person:

Name of authorised person:

Office held:

CHAD AXELSON  
DIRECTOR

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

Signature:

Amanda Anne Hempel

Signatory's name:

Signatory's capacity:

AMANDA ANNE HEMPEL  
TRANSFeree'S SOLICITOR



19/08/2022 03:21 PM

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09451229

M

NEW SOUTH WALES

(For Grant and title reference prior to first edition see Deposited Plan.)

FICATE OF TITLE

RTY ACT, 1900, as amended.



Vol. 9451 Fol. 229

1st Edition issued 6-6-1963.

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.

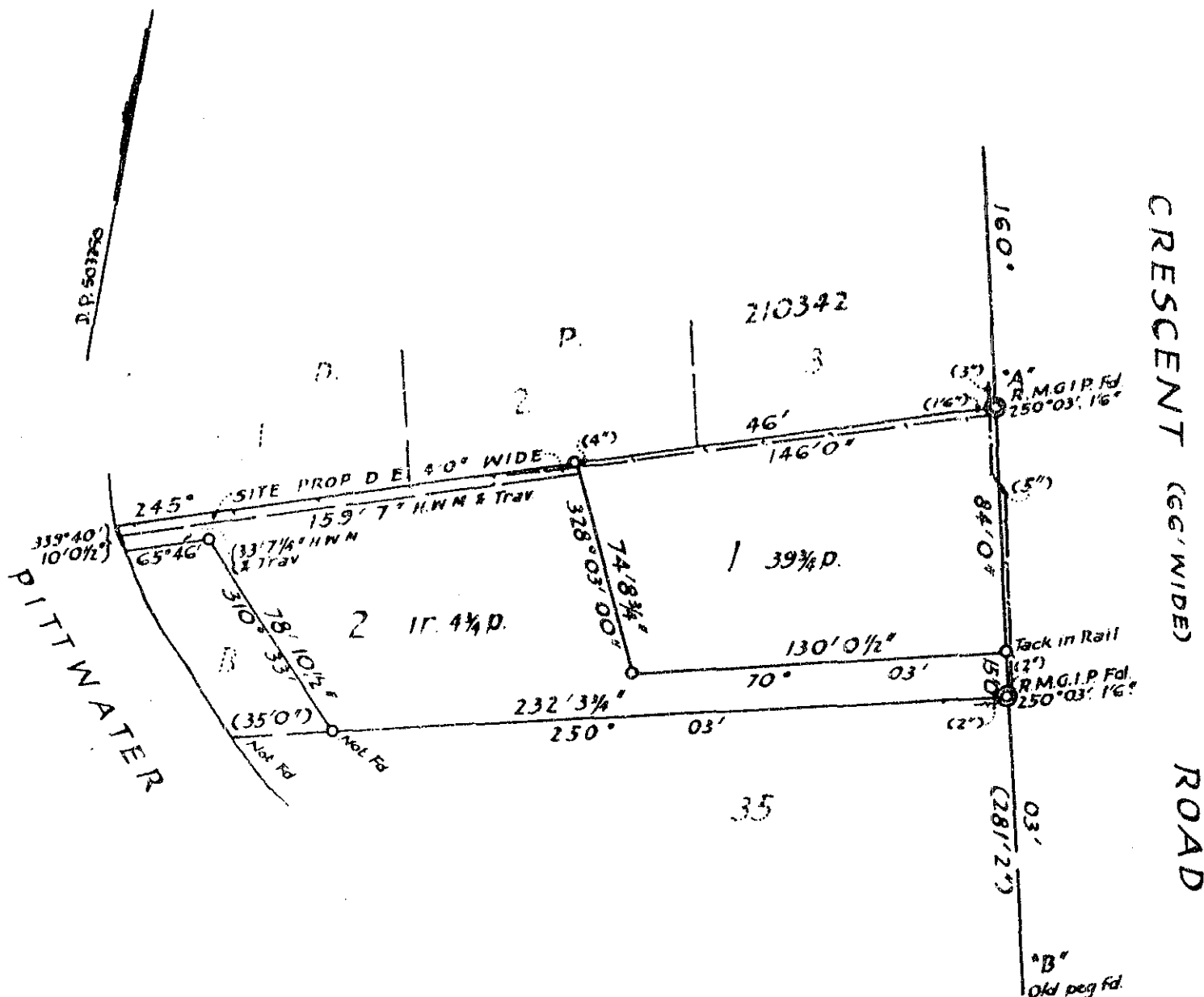
Witness

*B. Bailey*

Registrar-General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO.

Estate in Fee Simple in Lot 1 in Deposited Plan 503390 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (Continued overleaf)

~~JOHN VICTOR GEORGE MILES, of Newport, Boat Builder and Motor Boat Proprietor.~~

*J. J. J. J.*  
Registrar General.

SECOND SCHEDULE (Continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.

*J. J. J. J.*  
Registrar General.



FIRST SCHEDULE (continued)					
REGISTERED PROPRIETOR		INSTRUMENT		ENTERED	Signature of Registrar-General
		NATURE	NUMBER	DATE	
Catherine Clarke, Wife of a Proprietor		Transmission	N382735	13-7-1977	18-8-1977
Rebeccid Pty. Limited.		Transfer	N154582	6-5-1975	2-4-1975
Newport Yeakley Pty. Limited.		Transfer	N663945	4.1.1974	23.1.1974
Paul John Clarke of Newport, Instrument Technician and Merryl Lynette Clarke his wife, as joint tenants		Transfer	P642194		24-3-1976
Fermentation Industries (Aust.) Pty. Limited by Transfer S677654. Registered 9-9-1981					

SECOND SCHEDULE (continued)					
PARTICULARS		ENTERED	Signature of Registrar-General	CANCELLATION	
NATURE	INSTRUMENT NUMBER	DATE			
Mortgage	N663946	4.1.1974	to Glass Fibre Developments Pty. Limited.	Discharged	N772879
Mortgage	N874442	15-3-1974	to Bank of New South Wales	Discharged	P642193
Charge	P328839			Withdrawn	P642192
Mortgage	P642195		to N.S.W. Permanent Building Society Limited	Discharged	S677653
W896556 Mortgage to Commonwealth Bank of Australia. Registered 27.5.1987.					

RECEIVED  
19 AUG 1977  
REGISTRAR GENERAL

**Title Search**

28/09/2022 07:06 PM

Client Reference: DI-ES8577

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/503390

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2022	7:05 PM	3	5/9/2022

LAND

LOT 1 IN DEPOSITED PLAN 503390

AT NEWPORT

LOCAL GOVERNMENT AREA NORTHERN BEACHES

PARISH OF NARRABEEN COUNTY OF CUMBERLAND

TITLE DIAGRAM DP503390

FIRST SCHEDULE

57 THE AVENUE PTY LTD (T AS445037)

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 AS445038 MORTGAGE TO CENTRAL REAL CAPITAL PTY LTD
- 3 AS445039 MORTGAGE TO MC PARRAMATTA PTY LTD

NOTATIONS

UNREGISTERED DEALINGS: NIL

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



DI-ES8577

PRINTED ON 28/9/2022

\* 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.

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## Historical Search

19/08/2022 03:11 PM

Client Reference: DI-ES8577

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

SEARCH DATE

19/8/2022 3:11PM

FOLIO: 1/503390

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

Prior Title(s): VOL 9451 FOL 229

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED
		FOLIO NOT CREATED	
16/6/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED
		CT NOT ISSUED	
30/9/1994		AMENDMENT: LOCAL GOVT AREA	
30/11/2007	AD602437	DISCHARGE OF MORTGAGE	EDITION 1
3/4/2008	AD866777	TRANSFER	EDITION 2

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



DI-ES8577

PRINTED ON 19/8/2022

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19/08/2022 01:26 PM

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Form: 01T  
Release: 3.4  
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# TRANSFER

New South Wales  
Real Property Act 1900



AD866775C

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

**STAMP DUTY**

Office of State Revenue use only

NEW SOUTH WALES DUTY

02-04-2008

0004915695-005

SECTION 18(2)

DUTY

\$ \*\*\*\*\*2.00

(A) **FOLIO OF THE REGISTER**

Folio Identifier 2/210342

(B) **LODGED BY**

Document  
Collection  
Box  
  
128V

Name, Address or DX, Telephone, and LLPN if any

1230654

Gilbert + Tobin  
DX 10348 SSE  
Telephone: 9296 4183

Reference: KXV:AAH:1004127

**CODES**

T

TW

(Sheriff)

(C) **TRANSFEROR**

FERMENTATION INDUSTRIES (AUST) PTY LIMITED ACN 001 564 245

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of \$ 1,008,000.00 and as regards

(E) **ESTATE** the above folio of the Register transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFeree**

BITOVA PTY LIMITED ACN 071 155 818

(I) **TENANCY:**

DATE DO NOT DATE

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: FERMENTATION INDUSTRIES (AUST) PTY LIMITED

Authority: S127 CORPORATIONS ACT 2001

Signature of authorised person: Julie b. Axelson

Signature of authorised person: Clifford Axelson

Name of authorised person: JULIE AXELSON

Name of authorised person: CLIFFORD AXELSON

Office held: DIRECTOR

Office held: DIRECTOR

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

Signature:

Amanda Anne Hempel

Signatory's name:

AMANDA ANNE HEMPEL

Signatory's capacity:

TRANSFEE'S SOLICITOR



19/08/2022 01:42 PM

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9185 228  
Fol. 9185 228  
(Page 1) Vol.

M  
NEW SOUTH WALES  
(For Grant and title reference  
prior to first edition see  
Deposited Plan.)



09185228

Vol. 9185 Fol. 228

1st Edition issued 23-5-1962.

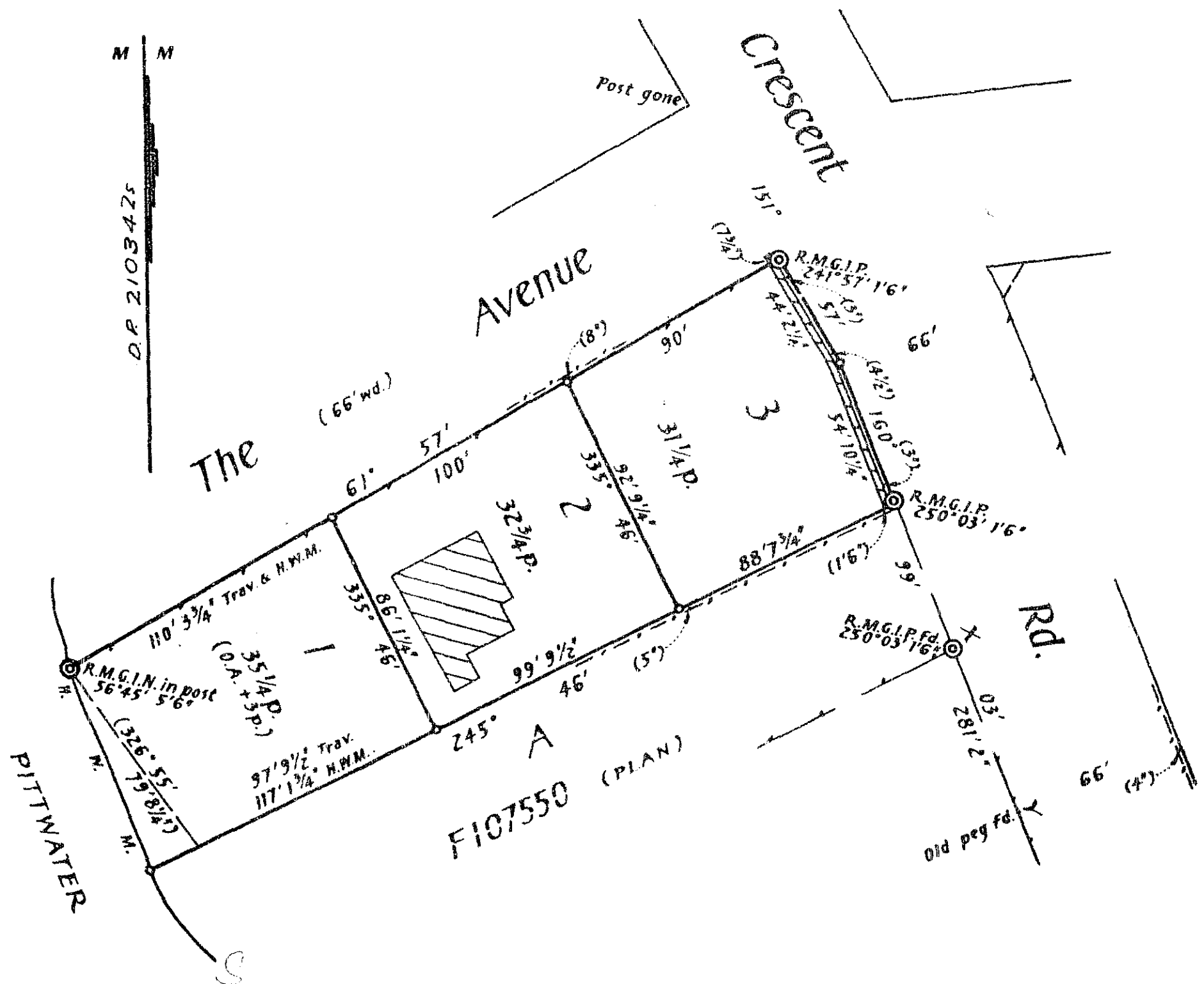
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

Witness  
*R. Brown*

**CANCELLED**  
*Jawatson*  
Registrar-General.



PLAN SHOWING LOCATION OF LAND  
**SEE AUTO FOLIO**



ESTATE AND LAND REFERRED TO.

Estate in Fee Simple in Lot 2 in Deposited Plan 210342s at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (Continued overleaf)

~~WILLIAM ALFRED PENNELL, of Vaucluse, Gentleman:~~

*Jawatson*  
Registrar General.


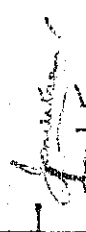
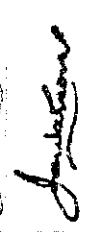




SECOND SCHEDULE (Continued overleaf)


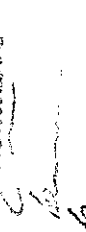






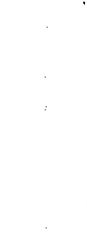

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.

*Jawatson*  
Registrar General.

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

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

FIRST SCHEDULE (continued)				
REGISTERED PROPRIETOR		INSTRUMENT		Signature of Registrar-General
NATURE	NUMBER	DATE	ENTERED	
William James Williams of Newport, Newport Editor	Transfer	15-11-1963	25-4-1968	
William James Williams of Newport, Estate Agent and Helen	Transfer	13-11-1968	26-11-1968	
John Nicholas Lottin of Newport, Naval Officer	Transfer	18-11-1971	20-12-1971	
Bernard Arthur Lavau of Newport, Corporate Planner and Laurie Lavau, his wife as joint tenants.	Transfer	23-12-1974	31-1-1975	
John Cronville Suckling of Dee Why, Entertainer and Inese Sandra Suckling his wife as joint tenants	Transfer	Q362281	9-9-1977	
Samlot Enterprises Pty. Limited by Transfer T9404. Registered 21-8-1982.				
Huw Joseph and Janet Joseph as joint tenants by Transfer W450479. Registered 21-8-1986				
Russell Bruce Farr by Transfer W913874. Registered 9-6-1987				
Fermentation Industries (Aust.) Pty. Limited by Transfer X95044 Registered 24-9-1987				

SECOND SCHEDULE (continued)				
PARTICULARS		ENTERED	Signature of Registrar-General	CANCELLATION
NATURE	INSTRUMENT NUMBER	DATE		
Mortgage	MS 34623	10-11-1971		Discharged
Mortgage	P132956	23-12-1974		Discharged
Mortgage	P375158	31-1-1975		Discharged
Mortgage	Q362282	9-9-1977		Discharged
T9405 Mortgage to F.C.A. Finance Pty. Limited. Registered 21-4-1982.				Discharged
V650666 Mortgage to Commonwealth Trading Bank of Australia Registered 11-4-1985				Discharged
W450480 Mortgage to National Australia Savings Bank Limited. Registered 21-8-1986				Discharged
W540436 Mortgage to Commonwealth Bank of Australia. Registered 31-10-1986				Discharged
W913875 Mortgage to Commonwealth Bank of Australia. Registered 9-6-1987				Discharged
X950451 Mortgage to Commonwealth Bank of Australia Registered 24-9-1987				Discharged
ME				

CANCELLED

SEE AUTO FOLIO

**Title Search**

28/09/2022 06:59 PM

Client Reference: DI-ES8577

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 2/210342

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2022	6:59 PM	3	5/9/2022

LAND

LOT 2 IN DEPOSITED PLAN 210342

AT NEWPORT

LOCAL GOVERNMENT AREA NORTHERN BEACHES

PARISH OF NARRABEEN COUNTY OF CUMBERLAND

TITLE DIAGRAM DP210342

FIRST SCHEDULE

57 THE AVENUE PTY LTD (T AS445037)

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND CONDITIONS IN FAVOUR OF THE CROWN - SEE CROWN GRANT(S)
- 2 AS445038 MORTGAGE TO CENTRAL REAL CAPITAL PTY LTD
- 3 AS445039 MORTGAGE TO MC PARRAMATTA PTY LTD

NOTATIONS

UNREGISTERED DEALINGS: NIL

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



DI-ES8577

PRINTED ON 28/9/2022

\* 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.

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## Historical Search

19/08/2022 01:21 PM

Client Reference: DI-ES8577

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

SEARCH DATE

19/8/2022 1:21PM

FOLIO: 2/210342

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

Prior Title(s): VOL 9185 FOL 228

Recorded	Number	Type of Instrument	C.T. Issue
4/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
2/6/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
28/9/1994		AMENDMENT: LOCAL GOVT AREA	
30/11/2007	AD602436	DISCHARGE OF MORTGAGE	EDITION 1
3/4/2008	AD866775	TRANSFER	EDITION 2

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



DI-ES8577

PRINTED ON 19/8/2022

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19/08/2022 02:02 PM

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Form: 01T  
Release: 3.4  
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(1)

## TRANSFER

New South Wales  
Real Property Act 1900



AD866776A

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### STAMP DUTY

Office of State Revenue use only

NEW SOUTH WALES DUTY

02-04-2008

0004915695-004

SECTION 18(2)

DUTY

\$ \*\*\*\*\*2.00

(A) **FOLIO OF THE REGISTER**

Folio Identifier 3/210342

(B) **LODGED BY**

Document  
Collection  
Box

128V

Name, Address or DX, Telephone, and LLPN if any

123 0654

Gilbert + Tobin  
DX 10348 SSE  
Telephone: 9296 4183

Reference: KXV:AAH:1004127

CODES

T

TW

(Sheriff)

(C) **TRANSFEROR**

FERMENTATION INDUSTRIES (AUST) PTY LIMITED ACN 001 564 245

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of \$ 1,008,000.00 and as regards

(E) **ESTATE** the above folio of the Register transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFeree**

BITOVA PTY LIMITED ACN 071 155 818

(I) **TENANCY:**

DATE DO NOT DATE

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: FERMENTATION INDUSTRIES (AUST) PTY LIMITED

Authority: SILT CORPORATION'S ACT 2001

Signature of authorised person: Julie A. Axelsen

Signature of authorised person: Clifford Axelsen

Name of authorised person: JULIE AXELSEN

Name of authorised person: CLIFFORD AXELSEN

Office held: DIRECTOR

Office held: DIRECTOR

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

Signature:

Amanda Anne Hempel

Signatory's name:

AMANDA ANNE HEMPEL

Signatory's capacity:

TRANSFEEE'S SOLICITOR





19/08/2022 02:08 PM

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09185229

M

NEW SOUTH WALES

(For Grant and title reference  
prior to first edition see  
Deposited Plan.)

CERTIFICATE OF TITLE

PROPERTY ACT, 1900, as amended.



Vol. 9185 Fol. 229

1st Edition issued 23-5-1962.

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

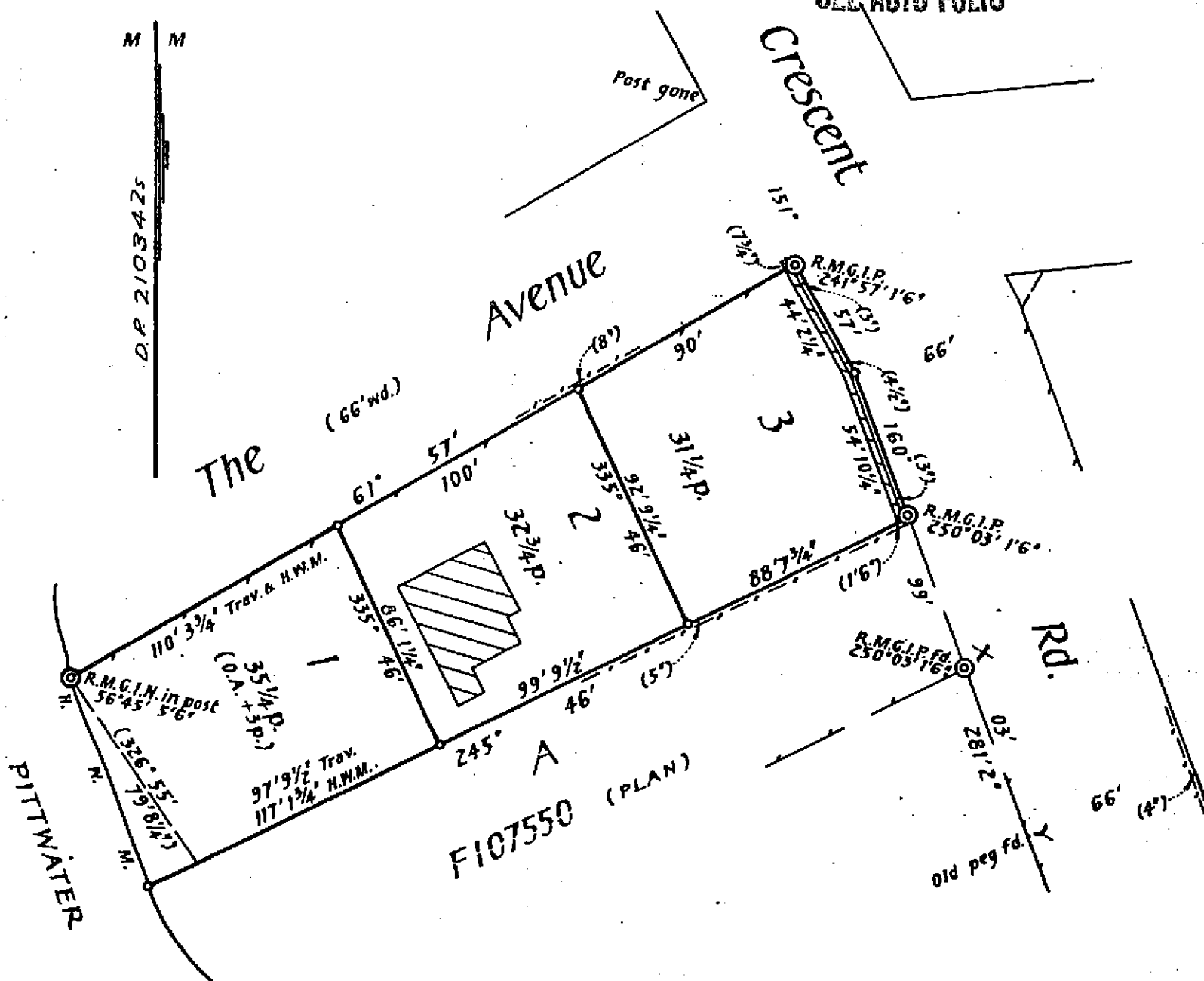
*R. Brown*

**CANCELLED**  
Registrar-General.



PLAN SHOWING LOCATION OF LAND

SEE AUTO FOLIO



ESTATE AND LAND REFERRED TO.

Estate in Fee Simple in Lot 3 in Deposited Plan 2103425 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (Continued overleaf)

~~WILLIAM ALFRED PENNELL, of Yaucluse, Gentleman.~~

*Jawatson*  
Registrar General.

CRY

SECOND SCHEDULE (Continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.

*Jawatson*  
Registrar General.


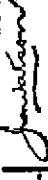
NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR-GENERAL ARE CANCELLED.

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

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

70929 1 62 ST 1609 V. C, N BLUHT. GOVERNMENT PRINTER

**FIRST SCHEDULE (continued)**[illegible]**SECOND SCHEDULE (continued)**

NATURE	INSTRUMENT NUMBER	DATE	PARTICULARS	ENTERED	Signature of Registrar-General	Discharged	CANCELLATION
Chattel Mortgage	1255641	22-11-1963	<p>Re. Brook &amp; New South Wales Springs Bricks Limited</p> <p style="text-align: center;"><b>CANCELLED</b></p> <p style="text-align: center;">SEE AUTO FOLIO</p>	 22-11-1963	 	Discharged	V745501

FORM No. 184A

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

**Title Search**

28/09/2022 07:01 PM

Client Reference: DI-ES8577

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 3/210342

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2022	7:01 PM	4	5/9/2022

LAND

LOT 3 IN DEPOSITED PLAN 210342

AT NEWPORT

LOCAL GOVERNMENT AREA NORTHERN BEACHES

PARISH OF NARRABEEN COUNTY OF CUMBERLAND

TITLE DIAGRAM DP210342

FIRST SCHEDULE

57 THE AVENUE PTY LTD (T AS445037)

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 AS445038 MORTGAGE TO CENTRAL REAL CAPITAL PTY LTD
- 3 AS445039 MORTGAGE TO MC PARRAMATTA PTY LTD

NOTATIONS

UNREGISTERED DEALINGS: NIL

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



DI-ES8577

PRINTED ON 28/9/2022

\* 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.

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## Historical Search

19/08/2022 01:57 PM

Client Reference: DI-ES8577

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

SEARCH DATE

19/8/2022 1:57PM

FOLIO: 3/210342

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

Prior Title(s): VOL 9185 FOL 229

Recorded	Number	Type of Instrument	C.T. Issue
4/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
18/7/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
6/12/1991	E109710	TRANSFER	
6/12/1991	E109711	MORTGAGE	EDITION 1
28/9/1994		AMENDMENT: LOCAL GOVT AREA	
30/11/2007	AD602432	DISCHARGE OF MORTGAGE	EDITION 2
3/4/2008	AD866776	TRANSFER	EDITION 3

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



DI-ES8577

PRINTED ON 19/8/2022

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06/09/2022 03:24 PM

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Form: 01T  
Release: 3.4  
www.lands.nsw.gov.au

# TRANSFER

New South Wales  
Real Property Act 1900



## AD866773G

NEW SOUTH WALES DUTY

### STAMP DUTY

Office of State Revenue use only

02-04-2008

0004915695-001

SECTION 18(2)

DUTY

\$ \*\*\*\*\*2.00

### (A) FOLIO OF THE REGISTER

Folio Identifier 111/556902

### (B) LODGED BY

Document  
Collection  
Box  
128V

Name, Address or DX, Telephone, and LLPN if any

123065G

Gilbert + Tobin  
DX 10348 SSE  
Telephone: 9296 4183

Reference: KXV:AAH:1004127

CODES

T

TW

(Sheriff)

### (C) TRANSFEROR

FERMENTATION INDUSTRIES (AUST) PTY LIMITED ACN 001 564 245

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of \$ 1,440,000.00 and as regards

(E) **ESTATE** the above folio of the Register transfers to the transferee an estate in fee simple

### (F) SHARE TRANSFERRED

(G) Encumbrances (if applicable): \_\_\_\_\_

### (H) TRANSFEE

BITOVA PTY LIMITED ACN 071 155 818 (AS TO 4/5 SHARE)  
ANGELA RYAN KEARLEY (AS TO 1/5 SHARE)

(I) **TENANCY:** Tenants in Common

DATE DO NOT DATE

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: FERMENTATION INDUSTRIES (AUST) PTY LIMITED

Authority: S127 CORPORATION'S ACT 2001

Signature of authorised person: Julie Axelsen

Signature of authorised person: \_\_\_\_\_

Name of authorised person: JULIE AXELSEN

Name of authorised person: Clifford Axelsen

Office held: DIRECTOR

Office held: CLIFFORD AXELSEN  
DIRECTOR

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

Signature: AM

Signatory's name: AMANDA ANNE HEMPEL  
Signatory's capacity: TRANSFEEE'S SOLICITOR



19/08/2022 03:47 PM

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Form: 01T  
Release: 6-0



# TRANSFER

New South Wales  
Real Property Act 1900



## AJ483845R

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

### STAMP DUTY

Office of State Revenue use only

NEW SOUTH WALES DUTY

08-05-2015

0008034288-001

TRANSFER

DUTIABLE AMOUNT \$ \*\*\*\*\*680,000.00

DUTY \$ \*\*\*\*\*26,000.00

### (A) TORRENS TITLE

111/556902, 112/556902

### (B) LODGED BY

Document  
Collection  
Box

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

Gilbert + tobin Lawyers

2 Park Street, Sydney NSW 2000

128V

Reference: AAH: 1004127

1230656

CODES

T

TW

### (C) TRANSFEROR

Laura Jane KEARLEY

### (D) CONSIDERATION

The transferor acknowledges receipt of the consideration of \$ 300,000.00 and as regards

### (E) ESTATE

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

### (F) SHARE TRANSFERRED

### (G)

Encumbrances (if applicable):

### (H) TRANSFEE

Bitova Pty Limited ACN 071 155 818

### (I)

TENANCY:

DATE 29 June 2012

- (J) I certify I am an eligible witness and that the transferor signed this dealing in my presence.  
[See note\* below]

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

Signature of witness:

Signature of transferor:

Name of witness:

Address of witness:

Stephen James Lynch

Level 2, 65 Berry Street, North  
Sydney NSW 2060

AG 79509  
AG 98116

RELODGED

19 MAY 2015

TIME: 3:20

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

Signature:

Signatory's name:

Signatory's capacity:

JOANNE BAYES

Transferee's solicitor

- (K) The transferee's solicitor certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [ ] Full name: [ ] Signature: [ ]

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



19/08/2022 04:05 PM

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# CERTIFICATE OF TITLE

PROPERTY ACT, 1900



11918197

NEW SOUTH WALES

Appln.No.12674

Prior Title Vol.11488 Fol.242

Vol. 11918 Fol. 197

Edition issued 7-9-1972.



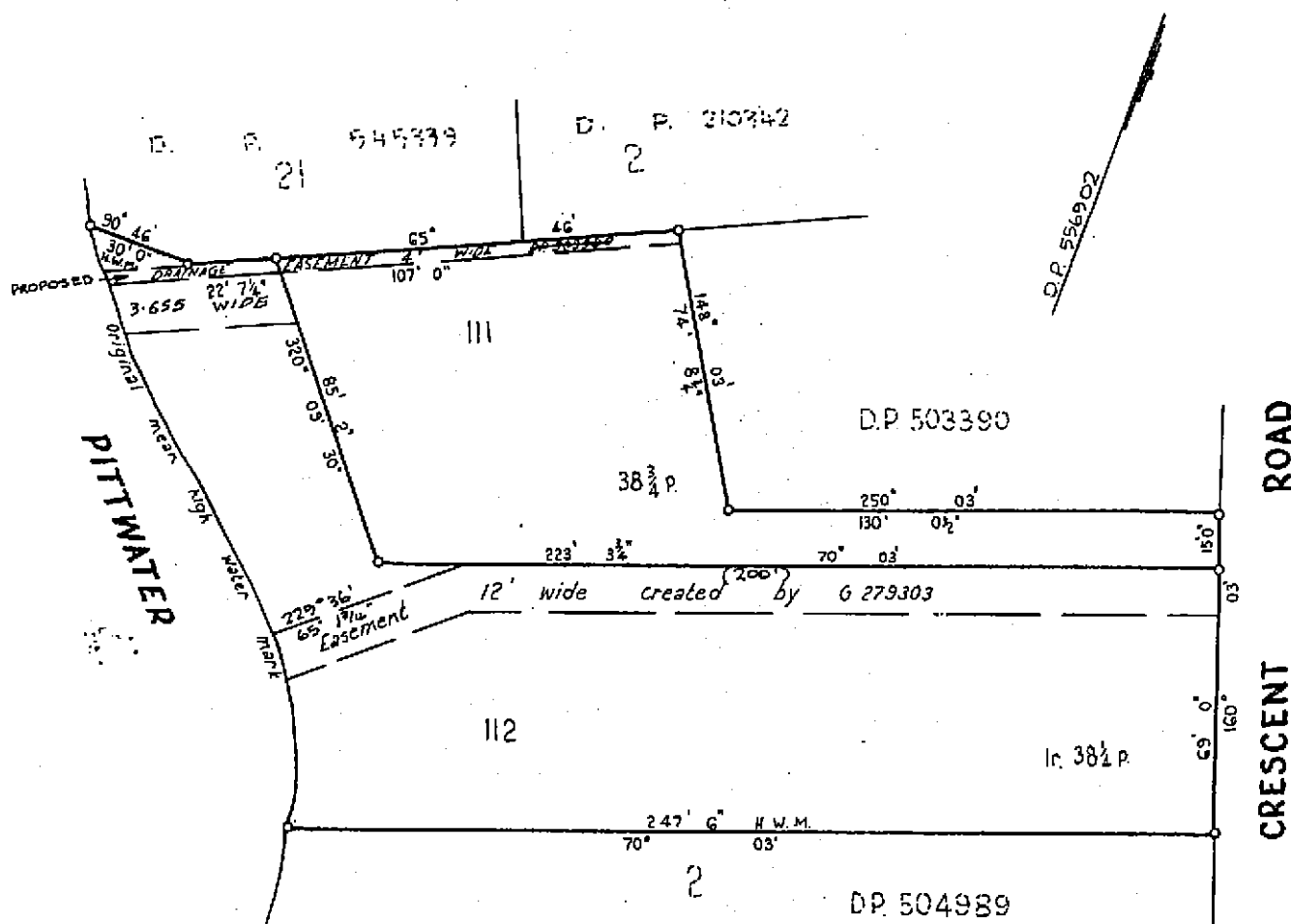
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

**CANCELLED**

*Jawatson*  
**SEE AUTO FOLIO**  
Registrar General.



## PLAN SHOWING LOCATION OF LAND



### ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 111 in Deposited Plan 556902 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland being part of Portion 17 granted to Robert Campbell on 31-8-1819.

### FIRST SCHEDULE

~~NEWPORT YACHT BASIN PTY. LIMITED.~~

### SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Covenant created by Transfer No.J794974.
3. Mortgage No.M654093 to Finance Corporation of Australia Limited.



Registered 28-3-1972. *Discharged N163212*

*Jawatson*  
Registrar General

**FIRST SCHEDULE (continued)**

	REGISTERED PROPRIETOR	INSTRUMENT		ENTERED	Signature of Registrar General
		NATURE	NUMBER DATE		
Newport Yacht Basin Pty. Limited.	(Stamp)	Transfer	M689450 N1762213	13-3-1973 19-6-1973	J. J. [Signature]
Bell Rowell's Newport Marina Pty. Limited.	(Stamp)	Transfer	R157060	4-1-1974 3-1-1978	[Signature]
Fermentation Industries (Aust.) Pty. Limited.		Transfer		9-4-1979	[Signature]
CANCELLED					
SEE AUTO FOLIO					

**CANCELLED**

SEE AUTO FOLIO 01704

## SECOND SCHEDULE (continued)

INSTRUMENT		PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION
NATURE	NUMBER				
Transfer	N163213	Grant of temporary easement to the land and another easement of light to the piece of land shown as "3655" with "unit" lot 112 in the plan shown comprised with N163213.	13-3-1973		
Deed	N657166	Deed of Mortgage of Title Deeds 1918 (Vol 198)	3-1-1974		
Mortgage	N685159	to Commercial & General Acceptance Limited.	4-1-1974		
Deed	Q294566	by Bill Rowells Newport News Pty. Limited			
Mortgage	Q294980	to Commercial & General Acceptance Limited.			
Mortgage	Q642309	to Associated Group Insurance Limited.			
Mortgage	R157061	to Midland Credit Limited.			
Mortgage	R474453	to Australian Mutual Provident Society			
R474453	Mortgage	now A.M.P. Superannuation Limited Registered by Transfer T944201 Registered	18-10-1979		
R474453	Mortgage	variation Registered 3-2-1984	3-2-1984		
V314570	Mortgage	to Commonwealth Trading Bank of Australia. Registered 11.9.1984			
V343161	Mortgage	to Commonwealth Savings Bank of Australia. Registered 25.10.1984			
R474453	Mortgage	transfer of Mortgage to Chase AMP Bank Limited Registered 18-2-1988			

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



19/08/2022 04:56 PM

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NEW SOUTH WALES

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



11488242

Appln No.12674  
Prior Titles Vol.9185 Fol.227  
Vol.9829 Fol.244

Vol. 11488 Fol. 242

Edition issued 18-12-1970



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*

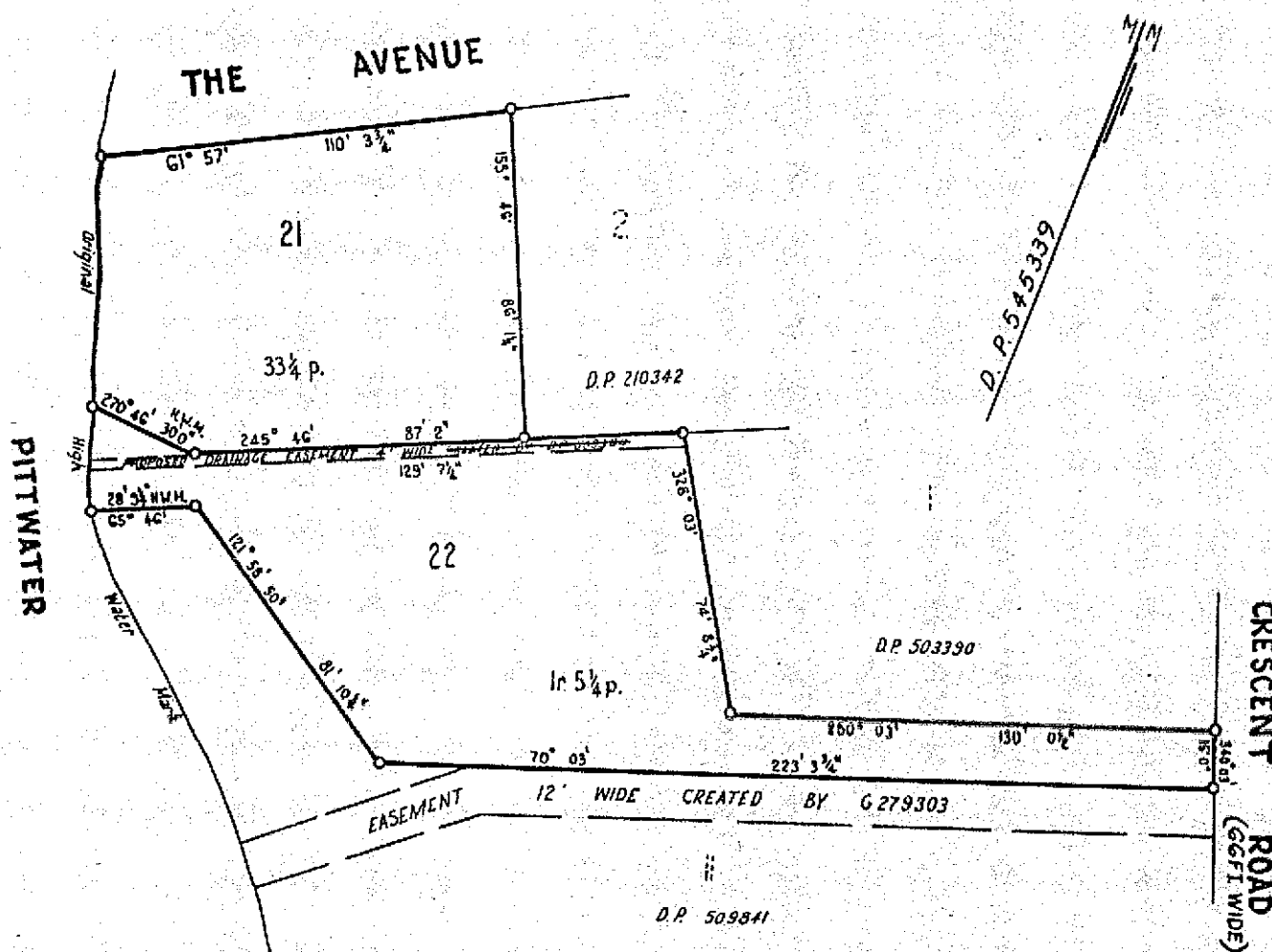
*Jawatson*

Registrar General.



PLAN SHOWING LOCATION OF LAND

**CANCELLED**



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 22 in Deposited Plan 545339 at Newport in the Shire of Warringah Parish of Narrabeen County of Cumberland being part of Portion 17 granted to Robert Campbell on 31-8-1819.

FIRST SCHEDULE

~~PETER WILLIAM JOHN DAWSON of Newport, System Operator as to the part of the land above described formerly comprised in Certificate of Title Vol.9185 Fol.227 and PETER WILLIAM JOHN DAWSON of Newport, Systems Operator and LOIS (MRS) DAWSON his wife as Joint Tenants as to the part formerly comprised in Certificate of Title Vol.9829 Fol.244.~~

SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Covenant created by Transfer No.J794974 affecting part.
3. ~~Mortgage No.L151620 of the part of the land above described formerly comprised in Certificate of Title Vol.9185 Fol.227 to The Electricity Commission Employees Co-operative Building Society No.8 Limited. Entered 29-8-1968.DISCARGED M228001~~
4. ~~Mortgage No.L151621 of the part of the land above described formerly comprised in Certificate of Title Vol.9185 Fol.227 to The Electricity and General Permanent Co-operative Building and Investment Society Limited. Entered 29-8-1968.DISCARGED M228000~~
5. ~~Mortgage No.M32584 of the part of the land above described formerly comprised in Certificate of Title Vol.9829 Fol.244 to The Commercial Banking Company of Sydney Limited. Entered 22-10-1970.DISCARGED M228002~~

*Jawatson*

Registrar General

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

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

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

11488 Fol. 242

(Page 1) Vol.



REGISTERED PROPRIETOR

Newport yacht Basin Pty Limited

This deed is cancelled as to Shirley White

New Certificates of Title have issued on 7-9-1978

for lots in 2004 Plan No. 556902 as follows:-

Lots 111 & 112 Vol. 11918 Fols 197<sup>a</sup> respectively.

69

*Sanatoga*  
REGISTRAR GENERAL

Vol.

88711

242 Fol

**SECOND SCHEDULE (continued)**

INSTRUMENT		PARTICULARS	ENTERED	Signature of Registrar-General	CANCELLATION	
NATURE	NUMBER				DATE	
Mortgage	M654093	13.3.1972	11.12.1970			
Mortgage	M654093	13.3.1972	13.3.1972			
</						

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



19/08/2022 05:04 PM

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09829244

NEW SOUTH WALES

CERTIFICATE OF TITLE

PROPERTY ACT, 1900, as amended.

Application No. 12674 230  
Prior Titles Volume 9451 Folio 230  
Volume 9513 Folio 212 A,B & C.

Vol. 9829 Fol. 244

ID

1st Edition issued 8-10-1964



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.

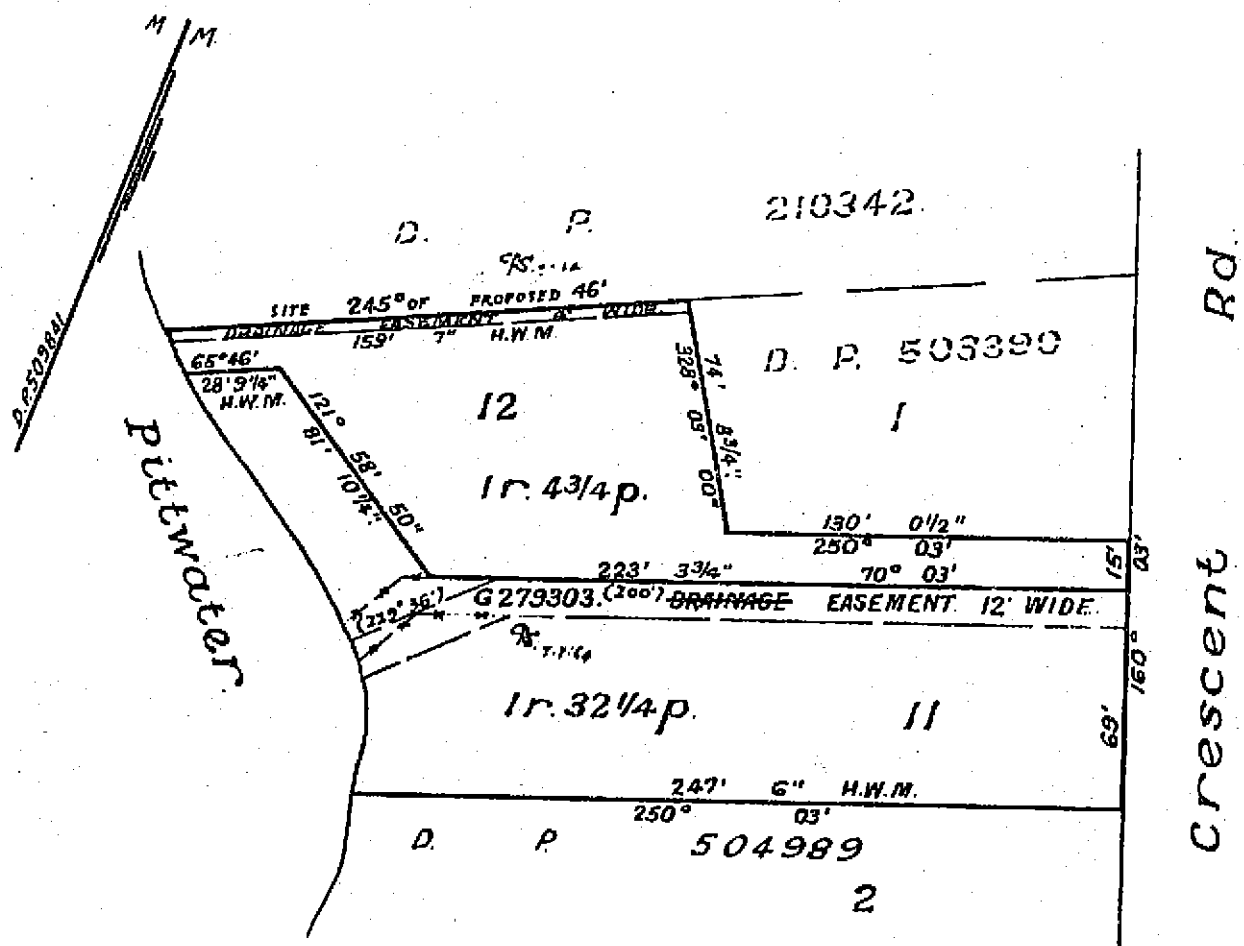
Witness

*Edgar*

*Jawatson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 12 in Deposited Plan 509841 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland being part of Portion 17 granted to Robert Campbell on 31-8-1819.

FIRST SCHEDULE (continued overleaf)

~~JOHN VICTOR GEORGE MILES, of Newport, Boat Builder and Motor Boat Proprietor, as to that part of the land above described formerly comprised in Certificate of Title Volume 9451 Folio 230 and HENRY CLYDE HICKIN, of Newport, Boatshed Proprietor, MARJORIE HICKIN, his wife, and ISABELLA MARY BLACK, of Newport, Widow, as Tenants in Common as to that part formerly comprised in Certificates of Title Volume 9513 Folios 212A, 212B and 212C respectively.~~

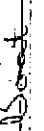

*Jawatson*  
Registrar General

SECOND SCHEDULE (continued overleaf)


1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Mortgage No. J410795 of that part of the land above described formerly comprised in Certificates of Title Volume 9513 Folios 212A, 212B and 212C to Mercantile Credits Limited Entered 9-10-1963. Discharged K23827

*Jawatson*  
Registrar General

**FIRST SCHEDULE (continued)**

REGISTERED PROPRIETOR	INSTRUMENT		ENTERED	Signature of Registrar General
	NATURE	NUMBER		
DATE				
John Victor George Miles of  Port, Boat Builder and Motor Boat Repairer	Transfer	5770355	17.5.1969	Jordan
Alfred Stephen Waylife Jarriffe of Bellmore Hill, Engineer	Transfer	5794974	29.9.1969	Jordan
Blane Robert Lunders of North Maryborough Contracting	Transfer	K330055	23.4.1968	Jordan
Peter William John Dawson of Seafort Beach, Mechanician and Lois June Dawson his wife as joint tenants This deed is cancelled as to the whole	Transfer	L508294	24.2.1969	Jordan
<p>New Certificates of Title have issued on <u>16.12.1970</u></p> <p>for lots in <u>Deposited</u> Plan No. <u>545339</u> as follows:-  <u>11483</u>  <u>11483</u> Vol. <u>21122</u> Fol. <u>241+242</u> respectively.</p> <p> Jordan</p>				

**SECOND SCHEDULE (continued)**

INSTRUMENT		PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION
NATURE	NUMBER				
Covenant	3794974	Created by transfer 3794974	9.8.1965	<i>[Signature]</i>	
Mortgage	K565680	to The National Bank of Australasia Limited	12.12.67	<i>[Signature]</i>	
Covenant	K477142		19.3.1968	<i>[Signature]</i>	LS08294 All before LS08294
Mortgage	N132584	to The Commercial Banking Company of Sydney Limited	23.10.1970	<i>[Signature]</i>	



06/09/2022 03:34 PM

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09451230

M

NEW SOUTH WALES

(For Grant and title reference  
prior to first edition see  
Deposited Plan.)

CERTIFICATE OF TITLE

PROPERTY ACT, 1900, as amended.



Vol. 9451 Fol. 230

1st Edition issued: 6-6-1963

*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

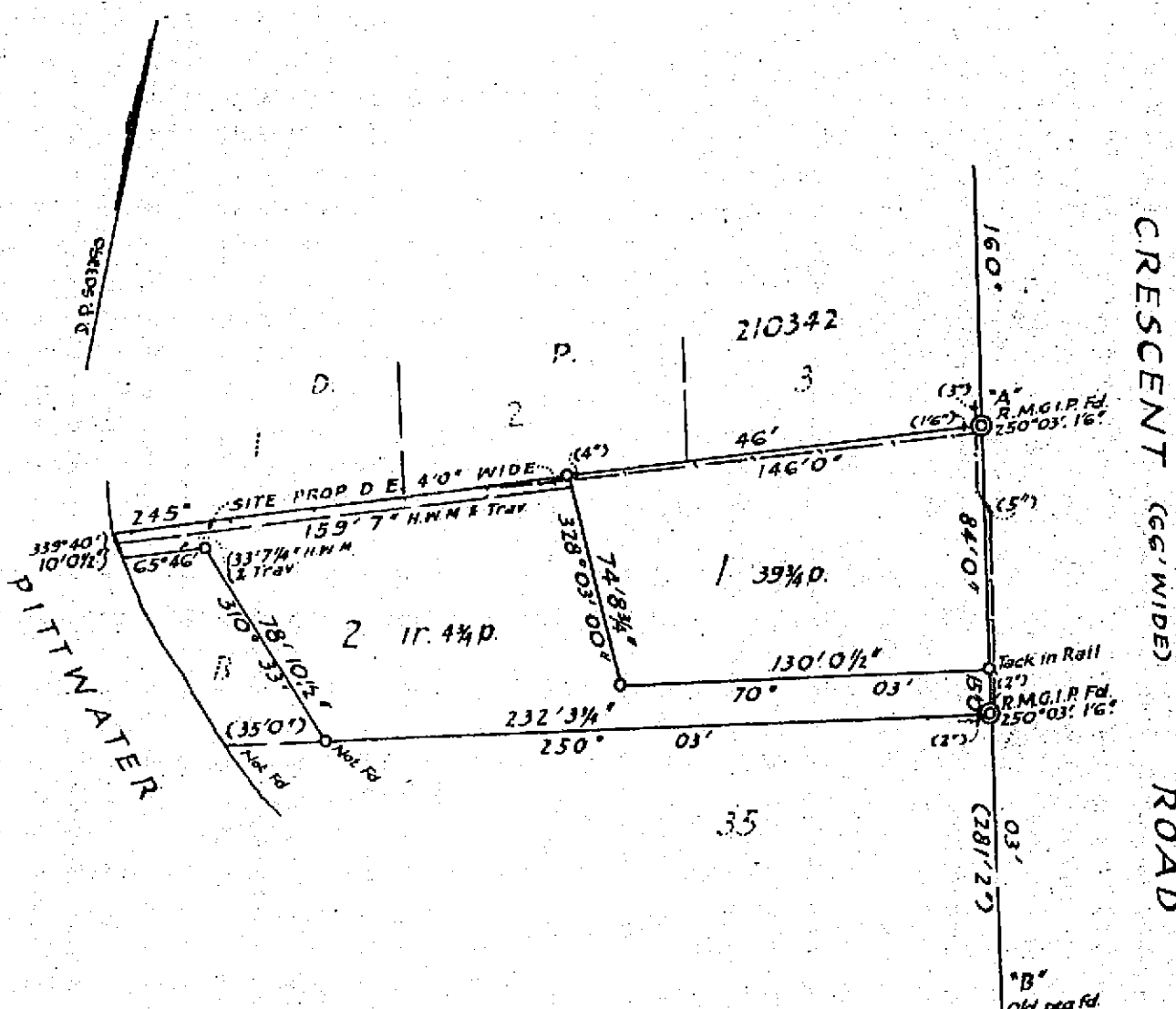
*B. Bailey*

*Jan Watson*

Registrar-General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO.

Estate in Fee Simple in Lot 2 in Deposited Plan 503390 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (Continued overleaf)

JOHN VICTOR GEORGE MILES, of Newport, Boat Builder and Motor Boat Proprietor.

*Jan Watson*

Registrar General.

SECOND SCHEDULE (Continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.

*Jan Watson*

Registrar General.

**REGISTERED PROPRIETOR**

Private City entering on 100 509 551 No. 464 King St. S. W. Wash. D. C.

New Certificates of Title have issued for lots in

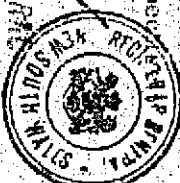
Deposited With No. 509841 as follows:-

Lots 11812 Vol. 9829 Pals 2438445 pgs

Vol. 9829... 1015 2438 2445  
Fols 2438 2445  
Fols 2438 2445



*James A. ...*  
REGISTRAR GENERAL



## SECOND SCHEDULE (continued)

[illegible]

FORM No. 184A

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



06/09/2022 03:47 PM

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09513212

M

NEW SOUTH WALES

(For Grant and title reference prior to first edition see Deposited Plan.)

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



Vol. **9513** Fol. **212 A**

MA 1st Edition issued 2-9-1963

*Cancelled*

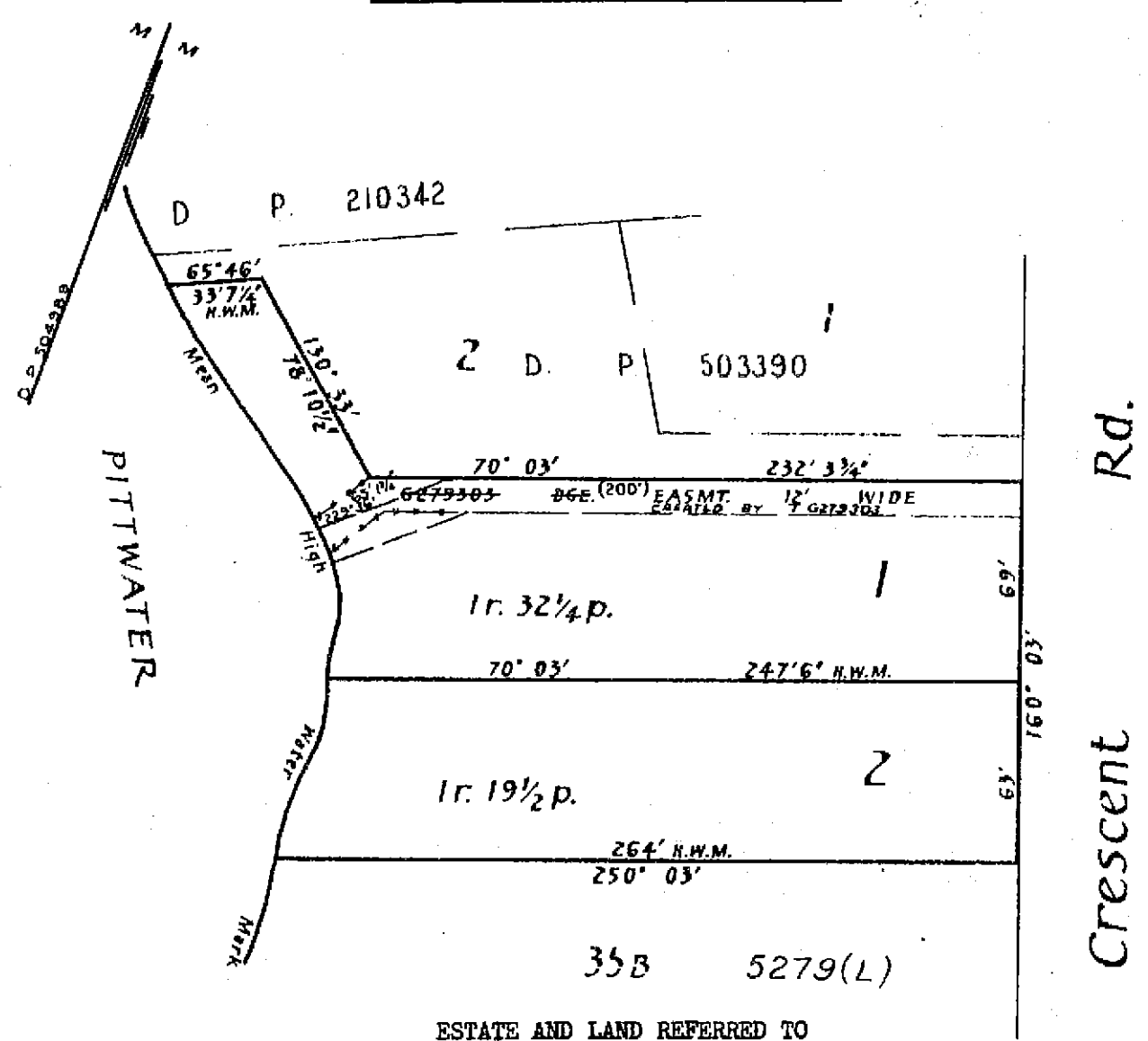
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

Witness *L. Heill*

*Janatson*  
Registrar-General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in an undivided one third share in Lot 1 in Deposited Plan 504989 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (continued overleaf)

HENRY CLYDE HICKIN, of Newport, Boatshed Proprietor.

*Janatson*  
Registrar General.

SECOND SCHEDULE (continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.
2. Easement created by Transfer No.G279303 affecting the piece of land shown as Easement 12 feet wide in plan hereon.

*Janatson*  
Registrar General.

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

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

**FIRST SCHEDULE (continued)**

REGISTERED PROPRIETOR	INSTRUMENT			ENTERED	Signature of Registrar-General
	NATURE	NUMBER	DATE		
<p><i>Spoke Chancery</i></p> <p>This deed is cancelled as to the whole</p> <p><i>Deposited</i></p> <p><i>Vol 9829</i></p> <p><i>11 &amp; 12</i></p>					

**SECOND SCHEDULE (continued)**[illegible]

FORM No. 134A

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

M  
NEW SOUTH WALES

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

TORRENS TITLE  
Register Book

(For Grant and title reference  
prior to first edition see  
Deposited Plan.)



Vol. 9513 Fol. 212B

MA 1st Edition issued 2-9-1963

*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

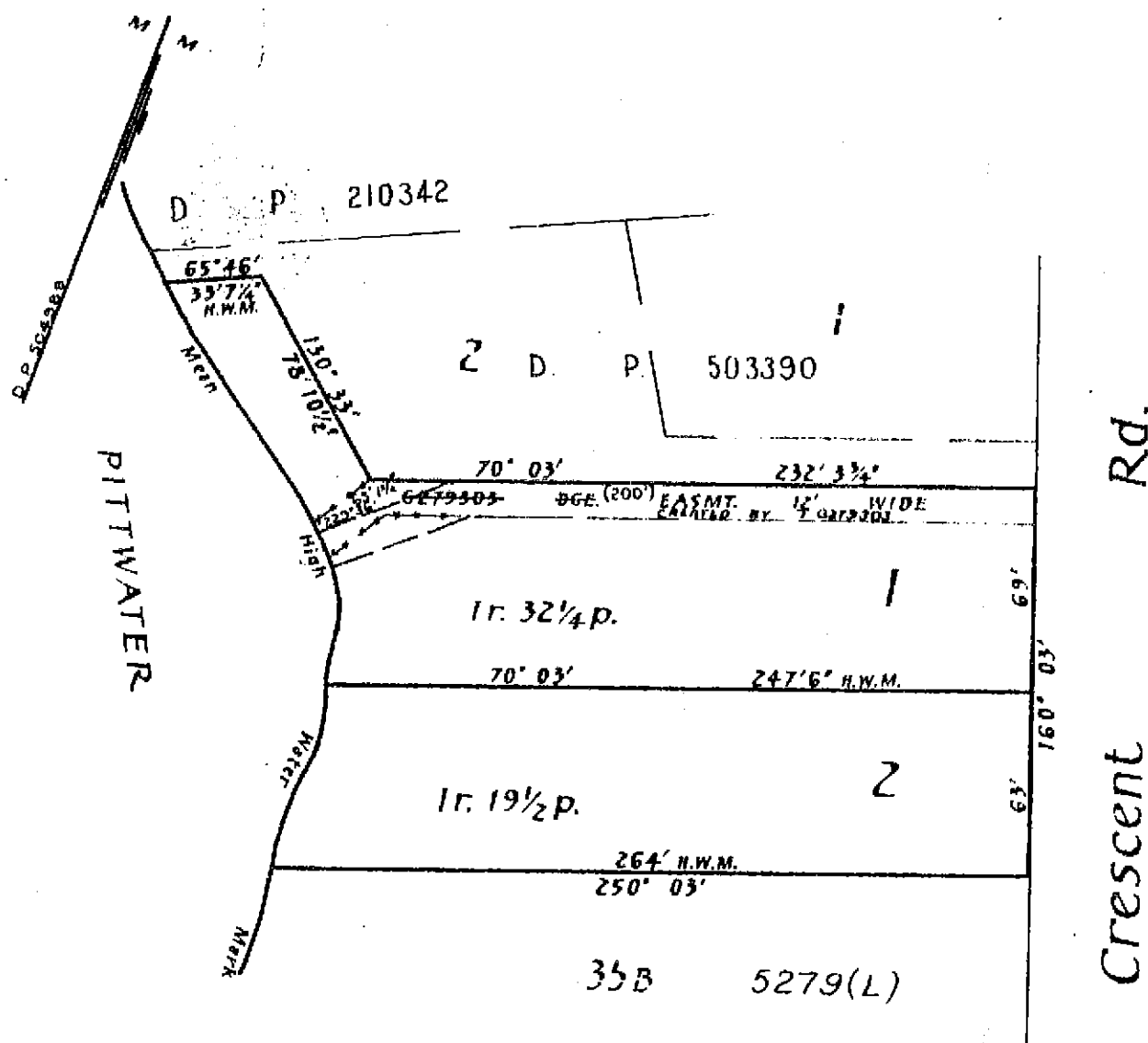
*L. O'Neill*

*J. Watkinson*

Registrar-General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in an undivided one third share in Lot 1 in Deposited Plan 504989 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (continued overleaf)

MARJORIE HICKIN, wife of Henry Clyde Hickin, of Newport, Boatshed Proprietor.

*J. Watkinson*

Registrar General.

SECOND SCHEDULE (continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.
2. Easement created by Transfer No.G279303 affecting the piece of land shown as Easement 12 feet wide in plan hereon.

*J. Watkinson*

Registrar General.

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

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

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



M

NEW SOUTH WALES

(For Grant and title reference  
prior to first edition see  
Deposited Plan.)

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

TORRENS TITLE  
Register Book

Vol. 9513 Fol. 212C

MA 1st Edition issued 2-9-1963



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

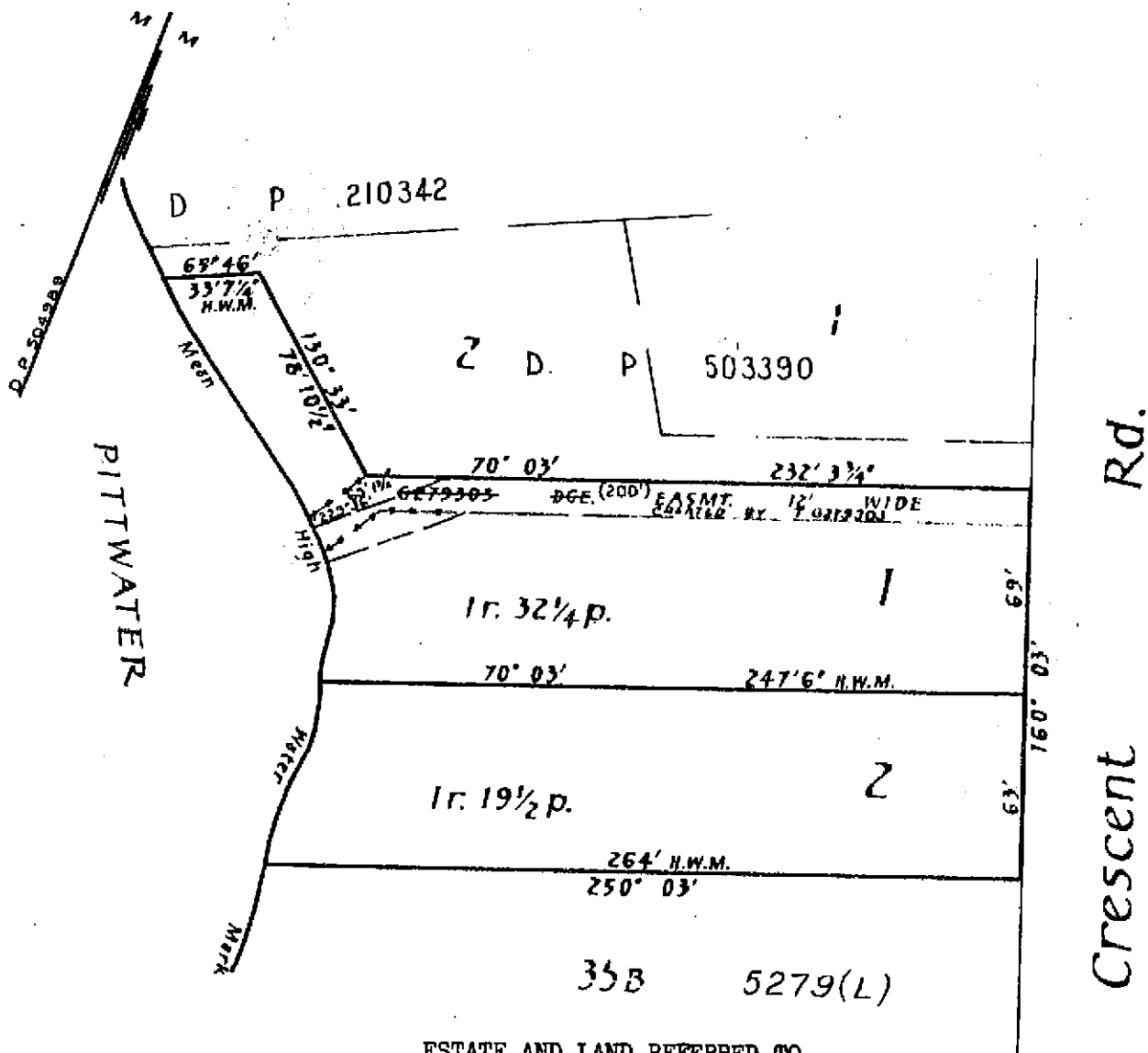
*L. O'Neill*

*J. J. J. J.*

Registrar-General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in an undivided one third share in Lot 1 in Deposited Plan 504989 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (continued overleaf)

ISABELLA MARY BLACK, of Newport, Widow.

*J. J. J. J.*

Registrar General.

SECOND SCHEDULE (continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.
2. Easement created by Transfer No.G279303 affecting the piece of land shown as Easement 12 feet wide in plan hereon.

*J. J. J. J.*

Registrar General.



**Title Search**

28/09/2022 07:08 PM

Client Reference: DI-ES8577

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 111/556902

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2022	7:08 PM	11	5/9/2022

LAND

LOT 111 IN DEPOSITED PLAN 556902

AT NEWPORT

LOCAL GOVERNMENT AREA NORTHERN BEACHES

PARISH OF NARRABEEN COUNTY OF CUMBERLAND

TITLE DIAGRAM DP556902

FIRST SCHEDULE

57 THE AVENUE PTY LTD (T AS445037)

SECOND SCHEDULE (5 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 J794974 COVENANT
- 3 N163213 RIGHT OF CARRIAGEWAY APPURTENANT TO THE LAND ABOVE  
DESCRIBED AFFECTING THE PIECE OF LAND SHOWN AS 3.655  
WIDE WITHIN LOT 112 IN THE PLAN WITH N163213
- 4 AS445038 MORTGAGE TO CENTRAL REAL CAPITAL PTY LTD
- 5 AS445039 MORTGAGE TO MC PARRAMATTA PTY LTD

NOTATIONS

UNREGISTERED DEALINGS: NIL

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



DI-ES8577

PRINTED ON 28/9/2022

\* 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.

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## Historical Search

09/09/2022 01:44 PM

Client Reference: DI-ES8577

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

SEARCH DATE

9/9/2022 1:43PM

FOLIO: 112/556902

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

Prior Title(s): VOL 11918 FOL 198

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED
		FOLIO NOT CREATED	
21/10/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED
		CT NOT ISSUED	
11/6/1991	Z691431	DISCHARGE OF MORTGAGE	EDITION 1
11/6/1991	Z691433	DISCHARGE OF MORTGAGE	
30/9/1994		AMENDMENT: LOCAL GOVT AREA	
30/11/2007	AD602435	DISCHARGE OF MORTGAGE	EDITION 2
3/4/2008	AD866778	TRANSFER	EDITION 3
2/6/2009	AE721139	CAVEAT	
3/8/2009	AE825931	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
3/8/2009	AE871747	WITHDRAWAL OF CAVEAT	
21/2/2011	AG79565	CAVEAT	
3/3/2011	AG98746	CAVEAT	
27/6/2012	AH76819	TRANSMISSION APPLICATION (EXECUTOR, ADMINISTRATOR, TRUSTEE)	EDITION 4
25/5/2015	AJ497455	WITHDRAWAL OF CAVEAT	
25/5/2015	AJ497468	WITHDRAWAL OF CAVEAT	
25/5/2015	AJ483845	TRANSFER	EDITION 5

19/6/2015 AJ578988 LEASE  
19/6/2015 AJ578989 LEASE EDITION 6

16/2/2016 AK224954 LEASE EDITION 7

30/11/2018 AN814885 REQUEST  
30/11/2018 AN876161 REQUEST EDITION 8

END OF PAGE 1 - CONTINUED OVER

DI-ES8577 PRINTED ON 9/9/2022

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

9/9/2022 1:43PM

FOLIO: 112/556902 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
29/3/2019	AP153865	LEASE	EDITION 9
27/4/2020	AQ63198	SURRENDER OF LEASE	EDITION 10
5/9/2022	AS445037	TRANSFER	
5/9/2022	AS445038	MORTGAGE	
5/9/2022	AS445039	MORTGAGE	EDITION 11

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



DI-ES8577

PRINTED ON 9/9/2022

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## Historical Search

19/08/2022 03:37 PM

Client Reference: DI-ES8577

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

SEARCH DATE

19/8/2022 3:37PM

FOLIO: 111/556902

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

Prior Title(s): VOL 11918 FOL 197

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED
		FOLIO NOT CREATED	
22/9/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED
		CT NOT ISSUED	
11/6/1991	Z691431	DISCHARGE OF MORTGAGE	EDITION 1
11/6/1991	Z691432	DISCHARGE OF MORTGAGE	
30/9/1994		AMENDMENT: LOCAL GOVT AREA	
30/11/2007	AD602434	DISCHARGE OF MORTGAGE	EDITION 2
3/4/2008	AD866773	TRANSFER	EDITION 3
2/6/2009	AE721138	CAVEAT	
3/8/2009	AE825930	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
3/8/2009	AE871748	WITHDRAWAL OF CAVEAT	
21/2/2011	AG79565	CAVEAT	
3/3/2011	AG98746	CAVEAT	
27/6/2012	AH76819	TRANSMISSION APPLICATION (EXECUTOR, ADMINISTRATOR, TRUSTEE)	EDITION 4
25/5/2015	AJ497455	WITHDRAWAL OF CAVEAT	
25/5/2015	AJ497468	WITHDRAWAL OF CAVEAT	
25/5/2015	AJ483845	TRANSFER	EDITION 5

19/6/2015 AJ578988 LEASE  
19/6/2015 AJ578989 LEASE EDITION 6  
  
16/2/2016 AK224954 LEASE EDITION 7  
  
30/11/2018 AN814885 REQUEST  
30/11/2018 AN876161 REQUEST EDITION 8

END OF PAGE 1 - CONTINUED OVER

DI-ES8577 PRINTED ON 19/8/2022

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

19/8/2022 3:37PM

FOLIO: 111/556902 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
29/3/2019	AP153865	LEASE	EDITION 9
27/4/2020	AQ63198	SURRENDER OF LEASE	EDITION 10

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



DI-ES8577

PRINTED ON 19/8/2022

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09/09/2022 01:55 PM

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System Document Identification

Land Registry Document Identification

Form Number:01T-e  
Template Number:t\_nsw18  
ELN Document ID:1486016334  
ELN NOS ID:1486016336

TRANSFER  
New South Wales  
Real Property Act 1900

AS445037

Stamp Duty: 10423991-001

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

LODGED BY:

Responsible Subscriber: HWL EBSWORTH LAWYERS ABN 37246549189  
Address: FL 14, 264 George ST  
Sydney 2000  
Email: accounts\_payable@hwle.com.au  
ELNO Subscriber Number: 7943  
Customer Account Number: 501286H  
Document Collection Box: 1W  
Client Reference: Sirsi 57 The Av

LAND TITLE REFERENCE

3/210342  
111/556902  
21/545339  
112/556902  
1/503390  
2/210342

TRANSFEROR

BITOVA PTY LIMITED ACN 071155818  
Registered company

TRANSFeree

57 THE AVENUE PTY LTD ACN 659026847  
Registered company

Tenancy: Sole Proprietor

CONSIDERATION

The transferor acknowledges receipt of the consideration of \$28,500,000.00

ESTATE TRANSFERRED

FEE SIMPLE

The Transferor transfers to the Transferee the Estate specified in this Instrument and acknowledges receipt of any Consideration shown.

SIGNING FOR TRANSFEROR

I certify that:

1. The Certifier has taken reasonable steps to verify the identity of the transferor or his, her or its administrator or attorney.
2. The Certifier holds a properly completed Client Authorisation for the Conveyancing Transaction including this Registry Instrument or Document.
3. The Certifier has retained the evidence supporting this Registry Instrument or Document.
4. The Certifier has taken reasonable steps to ensure that this Registry Instrument or Document is correct and compliant with relevant legislation and any Prescribed Requirement.

Party Represented by Subscriber:

BITOVA PTY LIMITED

Signed By: Justin Simon Adam  
ELNO Signer Number: 55469

Signer Capacity: Practitioner Certifier  
Digital Signing Certificate Number:



**Signed for**  
**Subscriber:** JUSTIN ADAM ABN 61271165499  
JSA LEGAL

**Subscriber Capacity:**Representative Subscriber

**ELNO Subscriber Number:** 23283

**Customer Account Number:**502864

**Date:** 02/09/2022

## **SIGNING FOR TRANSFEREE**

I certify that:

1. The Certifier has taken reasonable steps to verify the identity of the transferee or his, her or its administrator or attorney.
2. The Certifier holds a properly completed Client Authorisation for the Conveyancing Transaction including this Registry Instrument or Document.
3. The Certifier has retained the evidence supporting this Registry Instrument or Document.
4. The Certifier has taken reasonable steps to ensure that this Registry Instrument or Document is correct and compliant with relevant legislation and any Prescribed Requirement.

### **Party Represented by Subscriber:**

57 THE AVENUE PTY LTD

**Signed By:** Nicole Leggat  
**ELNO Signer Number:** 65775

**Signer Capacity:**Practitioner Certifier  
**Digital Signing Certificate Number:**

**Signed for**  
**Subscriber:** NICOLE SALLY TERKASHER ABN 98518459799  
NICOLE SALLY TERKASHER  
NL LEGAL

**Subscriber Capacity:**Representative Subscriber

**ELNO Subscriber Number:** 25061

**Customer Account Number:**504137

**Date:** 02/09/2022



09/09/2022 02:14 PM

© Office of the Registrar-General 2022

Form: 01T  
Release: 6-0



# TRANSFER

New South Wales  
Real Property Act 1900



## AJ483845R

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

### STAMP DUTY

Office of State Revenue use only

NEW SOUTH WALES DUTY

08-05-2015

0008034288-001

TRANSFER

DUTIABLE AMOUNT \$ \*\*\*\*\*680,000.00

DUTY \$ \*\*\*\*\*26,000.00

### (A) TORRENS TITLE

111/556902, 112/556902

### (B) LODGED BY

Document  
Collection  
Box

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

Gilbert + tobin Lawyers

2 Park Street, Sydney NSW 2000

128V

Reference: AAT: 1004127

1230656

CODES

T

TW

### (C) TRANSFEROR

Laura Jane KEARLEY

### (D) CONSIDERATION

The transferor acknowledges receipt of the consideration of \$ 300,000.00 and as regards

### (E) ESTATE

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

### (F) SHARE TRANSFERRED

### (G) ENCUMBRANCES (if applicable):

### (H) TRANSFeree

Bitova Pty Limited ACN 071 155 818

### (I)

TENANCY:

DATE 29 June 2012

- (J) I certify I am an eligible witness and that the transferor signed this dealing in my presence.  
[See note\* below]

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

Signature of witness:

Signature of transferor:

Name of witness:

Address of witness:

Stephen James Lynch

Level 2, 65 Berry Street, North  
Sydney NSW 2060

AG 79505  
AG 98116

RELODGED

19 MAY 2015

TIME: 3:20

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

Signature:

Signatory's name:

Signatory's capacity:

JOANNE BAYES

Transferee's solicitor

- (K) The transferee's solicitor certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [ ] Full name: [ ] Signature: [ ]

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



09/09/2022 02:22 PM

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Form: 01T  
Release: 3.4  
www.lands.nsw.gov.au

①

# TRANSFER

New South Wales  
Real Property Act 1900



AD866778V

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

**STAMP DUTY**

Office of State Revenue use only

NEW SOUTH WALES DUTY

02-04-2008

0004915695-002

SECTION 18(2)

DUTY

\$ \*\*\*\*\*2.00

(A) **FOLIO OF THE REGISTER**

Folio Identifier 112/556902

(B) **LODGED BY**

Document  
Collection  
Box  
  
128V

Name, Address or DX, Telephone, and LLPN if any 1230654

Gilbert + Tobin  
DX 10348 SSE  
Telephone: 9296 4183

Reference: KXV:AAH:1004127

**CODES**

T

TW

(Sheriff)

(C) **TRANSFEROR**

FERMENTATION INDUSTRIES (AUST) PTY LIMITED ACN 001 564 245

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of \$ 6,480,000.00 and as regards

(E) **ESTATE** the above folio of the Register transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED**

(G) Encumbrances (if applicable):

(H) **TRANSFeree**

BITOVA PTY LIMITED ACN 071 155 818 (AS TO 4/5 SHARE)  
ANGELA RYAN KEARLEY (AS TO 1/5 SHARE)

(I) **TENANCY:** Tenants in Common

**DATE** DO NOT DATE

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: FERMENTATION INDUSTRIES (AUST) PTY LIMITED

Authority: S122 CORPORATION'S Act 2001

Signature of authorised person: Julie Axelsen

Signature of authorised person: Clifford Axelsen

Name of authorised person: JULIE AXELSEN

Name of authorised person: CLIFFORD AXELSEN

Office held: DIRECTOR

Office held: DIRECTOR

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

Signature:

Amanda Anne Hempel

Signatory's name:

AMANDA ANNE HEMPEL

Signatory's capacity:

TRANSFEREE'S SOLICITOR



09/09/2022 02:10 PM

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**REAL PROPERTY ACT, 1900**

First Title Old System

Prior Titles Vol. 9829 Fol. 243  
Vol. 11488 Fol. 242



Vol. 11918 Fol. 198

EDITION  
ISSUED 15 11 1984

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

**Registrar General.**

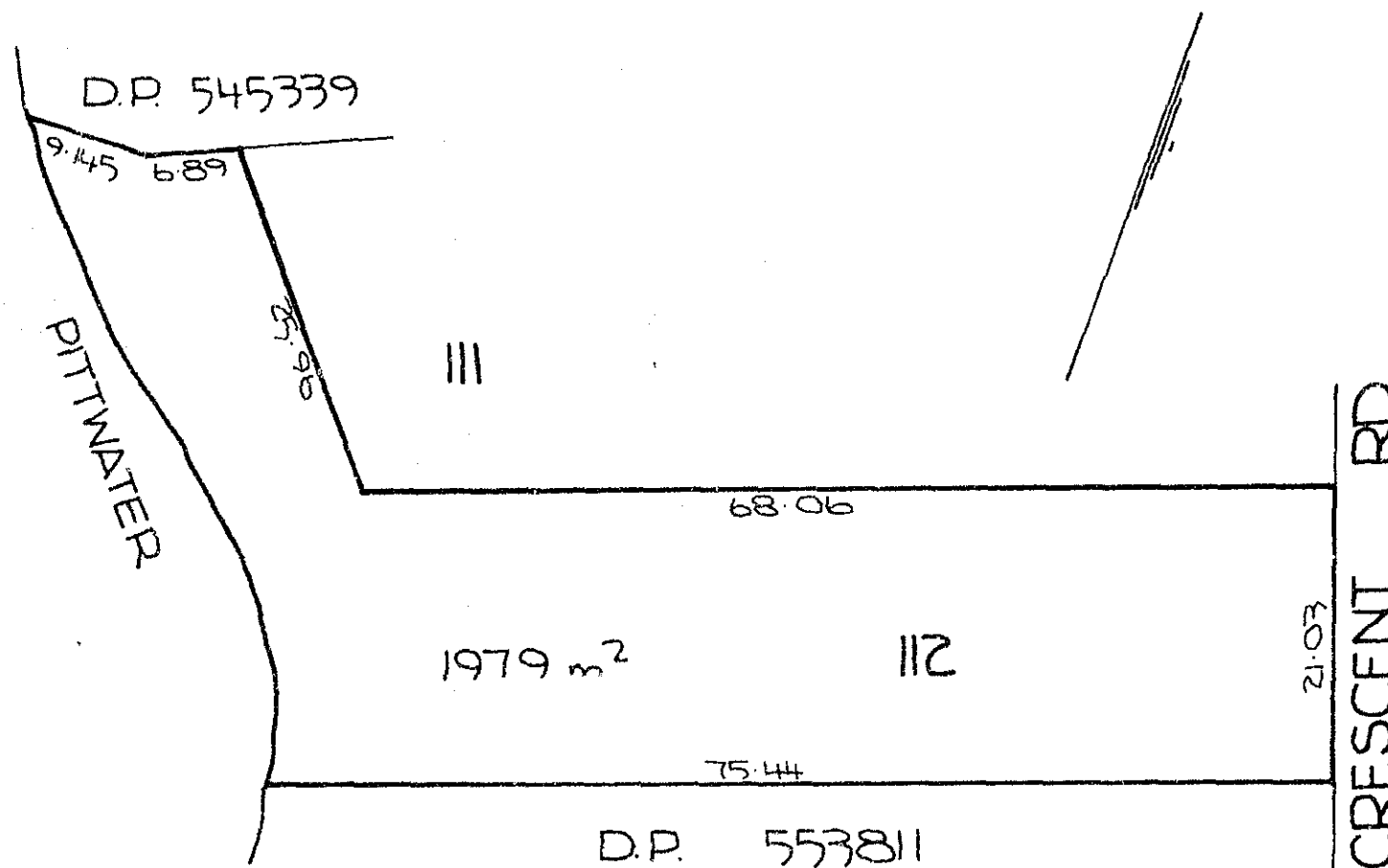


**CANCELLED**

PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES

SEE AUTO FOLIO



LAND REFERRED TO

Lot 112 in Deposited Plan 556902 at Newport in the Shire of Warringah Parish of Narrabeen County of Cumberland.

FIRST SCHEDULE

FERMENTATION INDUSTRIES (AUST.) PTY. LIMITED.


## SECOND SCHEDULE

- GRY 1. Reservations and conditions in the Crown grant.  
ET(SB) ET 2. G279303 Easement for transmission line affecting the part of the land within described shown as "Easement 3.655 metres wide" in Deposited Plan 556902.  
CY 3. J794974 Covenant affecting the part of the land within described shown so burdened in Deposited Plan 556902.  
RC 4. N163213 Right of carriageway affecting the part of the land within described shown as "Proposed right of carriageway 3.655 wide" in plan with Transfer N163213.  
AA 5. R474453 Mortgage. Mortgagee now A.M.P. Superannuation Limited by Transfer of mortgage T944201.  
M 6. R534103 Mortgage to Commonwealth Trading Bank of Australia.  
AD AB 7. T154569 Easement created by G279303 now vested in The Sydney County Council.  
EW 8. T326401 Easement to drain water affecting the part of the land within described shown as "Proposed drainage easement 1.83 m wide" in plan with Transfer T326401.  
U(AA) 9. R474453 Mortgage T944202 Variation.  
MC 10. V337000 Mortgage to Commonwealth Savings Bank of Australia.

40828-4036

FIRST SCHEDULE (continued)		
REGISTERED PROPRIETOR		Registrar General

SECOND SCHEDULE (continued)		
PARTICULARS	Registrar General	CANCELLATION
<p>474453 Mortgage X380177 Transfer of Mortgage to Chase AMP Bank Limited Registered 18-2-1988</p> <p><b>CANCELLED</b></p> <p><b>SEE AUTO FOLIO</b></p>		

NOTATIONS AND UNREGISTERED DEALINGS		



# CERTIFICATE OF TITLE

TORRENS TITLE  
Register

NEW SOUTH WALES

REAL PROPERTY ACT, 1900

Appln.No.12674

Vol. **11918** Fol. **198**

Prior Titles Vol. 9829 Fol.243  
Vol.11488 Fol.242



Edition issued 7-9-1972.  
**CANCELLED**

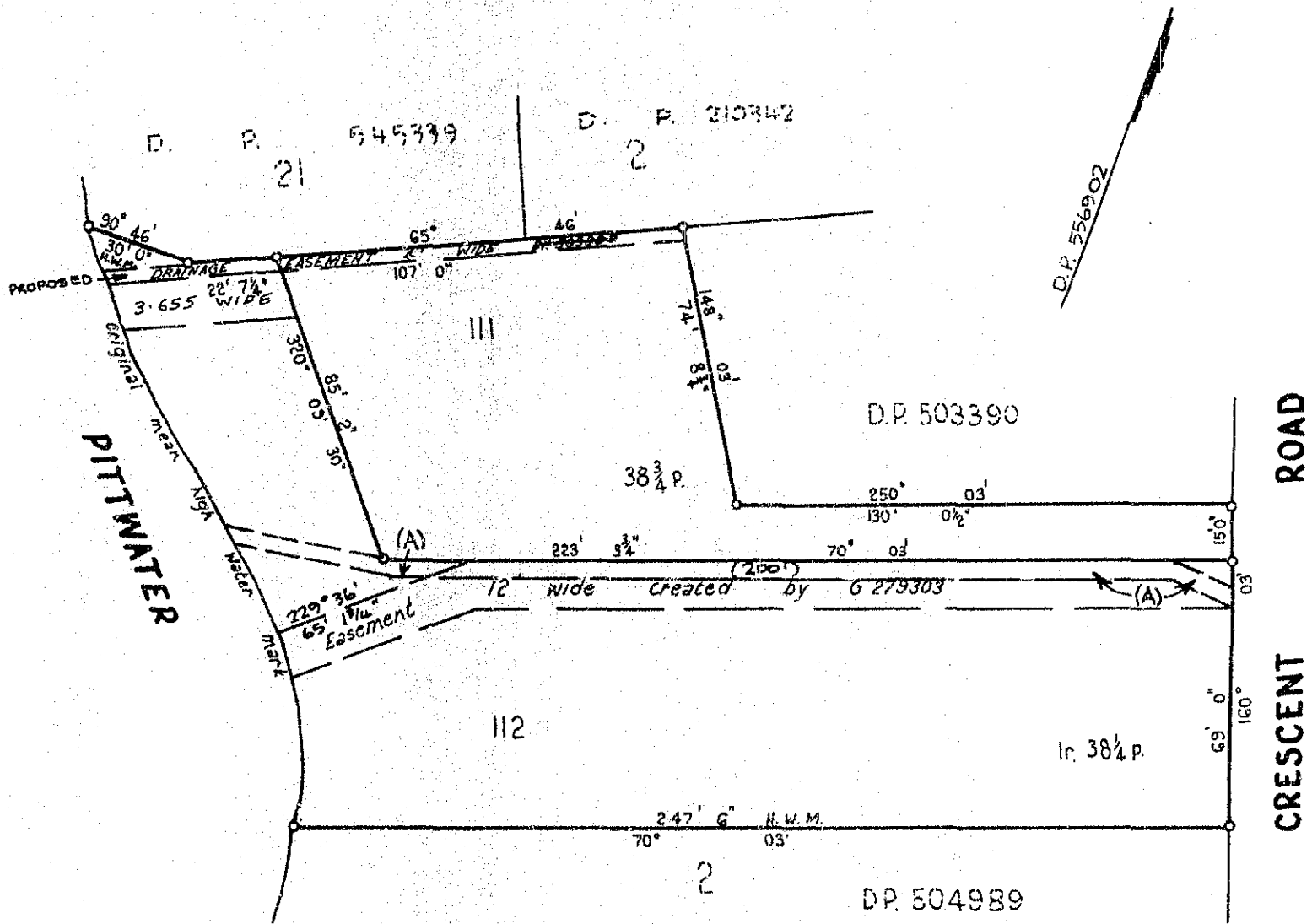
See new edition

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.

*Jawatson*  
Registrar General.



## PLAN SHOWING LOCATION OF LAND



(A) EASEMENT TO DRAIN WATER 1.83m WIDE - T326401

## ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 112 in Deposited Plan 556902 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland being part of Portion 17 granted to Robert Campbell on 31-8-1819.

## FIRST SCHEDULE

NEWPORT YACHT CLUB PTY. LIMITED.

## SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Easement for Transmission Line created by Transfer No.G279303 affecting the piece of land shown 12 feet wide in the plan hereon.
3. Covenant created by Transfer No.J794974 affecting part.
4. Mortgage No.M654093 of the part of land above described formerly comprised in Certificate of Title Volume 11488 Folio 242 to Finance Corporation of Australia Limited. Entered 28-3-1972. Discharged M92256
5. Mortgage No.M704049 of the part of land above described formerly comprised in Certificate of Title Volume 9829 Folio 243 to Mutual Acceptance Limited. Entered 9-5-1972. Discharged N685157

*Jawatson*  
Registrar General

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

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

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

11918 Fol. 198

(Page 1) Vol.

REGISTERED PROPRIETOR

~~Bill Rowell's Newport Marine Pty. Limited.~~  
~~Fermentation Industries (Aust.) Pty. Limited.~~

NATURE	INSTRUMENT		ENTERED	Signature of Registrar General
	NUMBER	DATE		
Transfer	Q294978		3-1-1978	<i>[Signature]</i>
Transfer	R157060		9-4-1979	<i>[Signature]</i>

CANCELLED  
5-17-84

See next column please

GENERAL

SECOND SCHEDULE (continued)

N163213 79  
N657167A  
N685155 ~ 16  
- 101st  
- 1st  
B294566 R<sub>2</sub>  
B294470 R<sub>2</sub>  
8 TE  
80M  
Bapang 4955  
CT 29/3/78  
P163213  
P662308A  
- 9 MA  
R1570583M.  
- 59 MA  
- 60 MA  
- 61 MA  
R174529M  
- 3 MA  
CT-7.11.79  
R53403MC  
C.T. 1.11.82  
T154569A  
T326407AC  
Rd  
T49048AP  
W163213 79



09/09/2022 02:28 PM

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09829243

NEW SOUTH WALES

CERTIFICATE OF TITLE

PROPERTY ACT, 1900, as amended.

Application No. 12674 230  
Prior Titles Volume 9451 Folio 230  
Volume 9513 Folio 212 A,B & C.

Vol. 9829 Fol. 243



ID

1st Edition issued 8-10-1964

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.

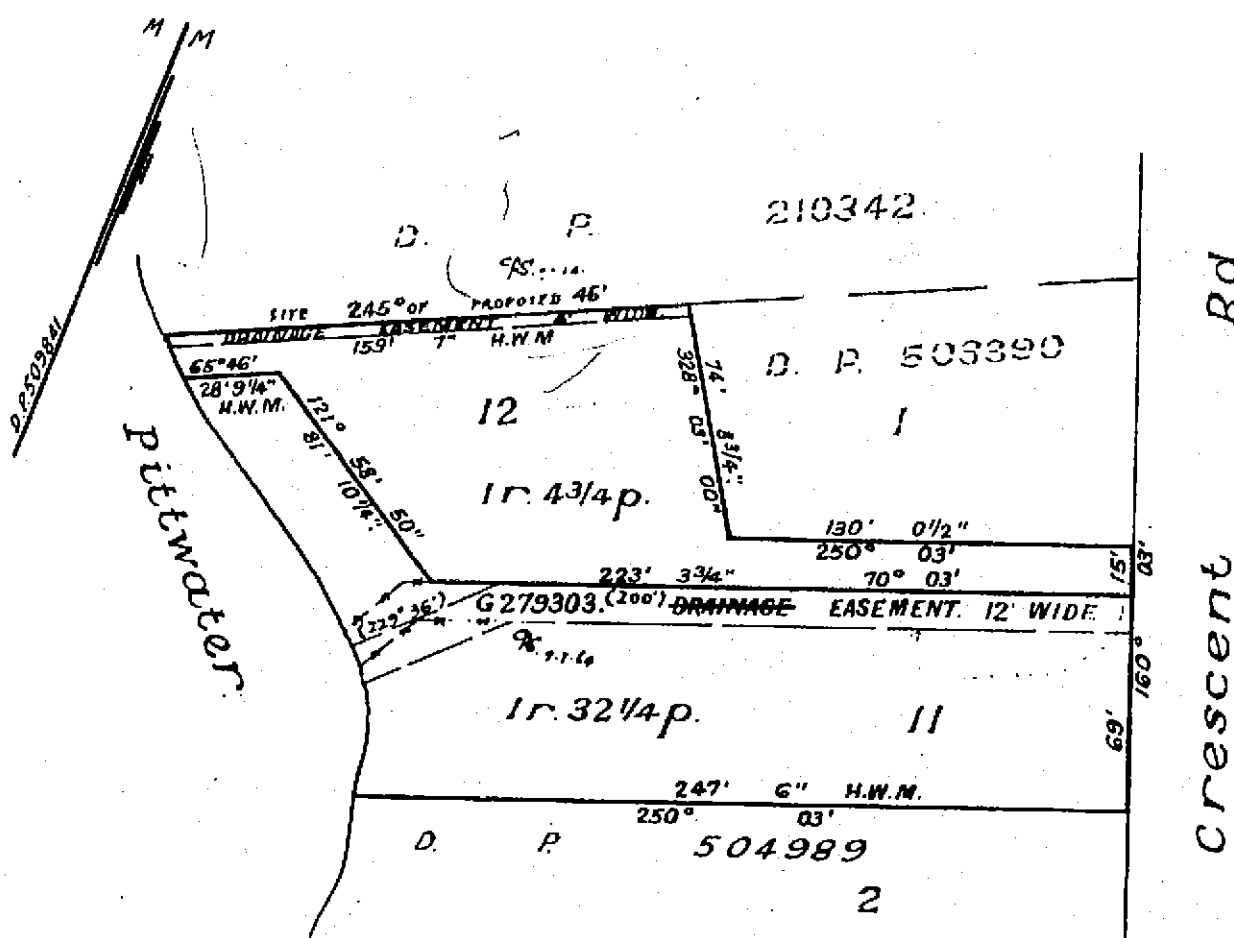
Witness

*Ed Labor*

*Jawatson*  
Registrar General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 11 in Deposited Plan 509841 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland being part of Portion 17 granted to Robert Campbell on 31-8-1819.

FIRST SCHEDULE (continued overleaf)

~~JOHN VICTOR GEORGE MILES, of Newport, Boat Builder, and Motor Boat Proprietor, as to that part of the land above described formerly comprised in Certificate of Title Volume 9451 Folio 230 and HENRY CLYDE HICKIN, of Newport, Boatshed Proprietor, MARJORIE HICKIN, his wife, and ISABELLA MARY BLACK, of Newport, Widow, as Tenants in Common as to that part formerly comprised in Certificates of Title Volume 9513 Folios 212A, 212B and 212C respectively.~~

*Jawatson*  
Registrar General

SECOND SCHEDULE (continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Easement created by Transfer No. G279303 affecting the piece of land shown as Easement 12 feet wide in the plan hereon.
3. Mortgage No. 1410795 of that part of the land above described formerly comprised in Certificates of Title Volume 9513 Folios 212A, 212B and 212C to Mercantile Credits Limited Entered 9-10-1963. *discharged K198389*

*Jawatson*  
Registrar General





06/09/2022 03:34 PM

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09451230

M

NEW SOUTH WALES

(For Grant and title reference  
prior to first edition see  
Deposited Plan.)

CERTIFICATE OF TITLE

PROPERTY ACT, 1900, as amended.



Vol. 9451 Fol. 230

1st Edition issued: 6-6-1963

*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

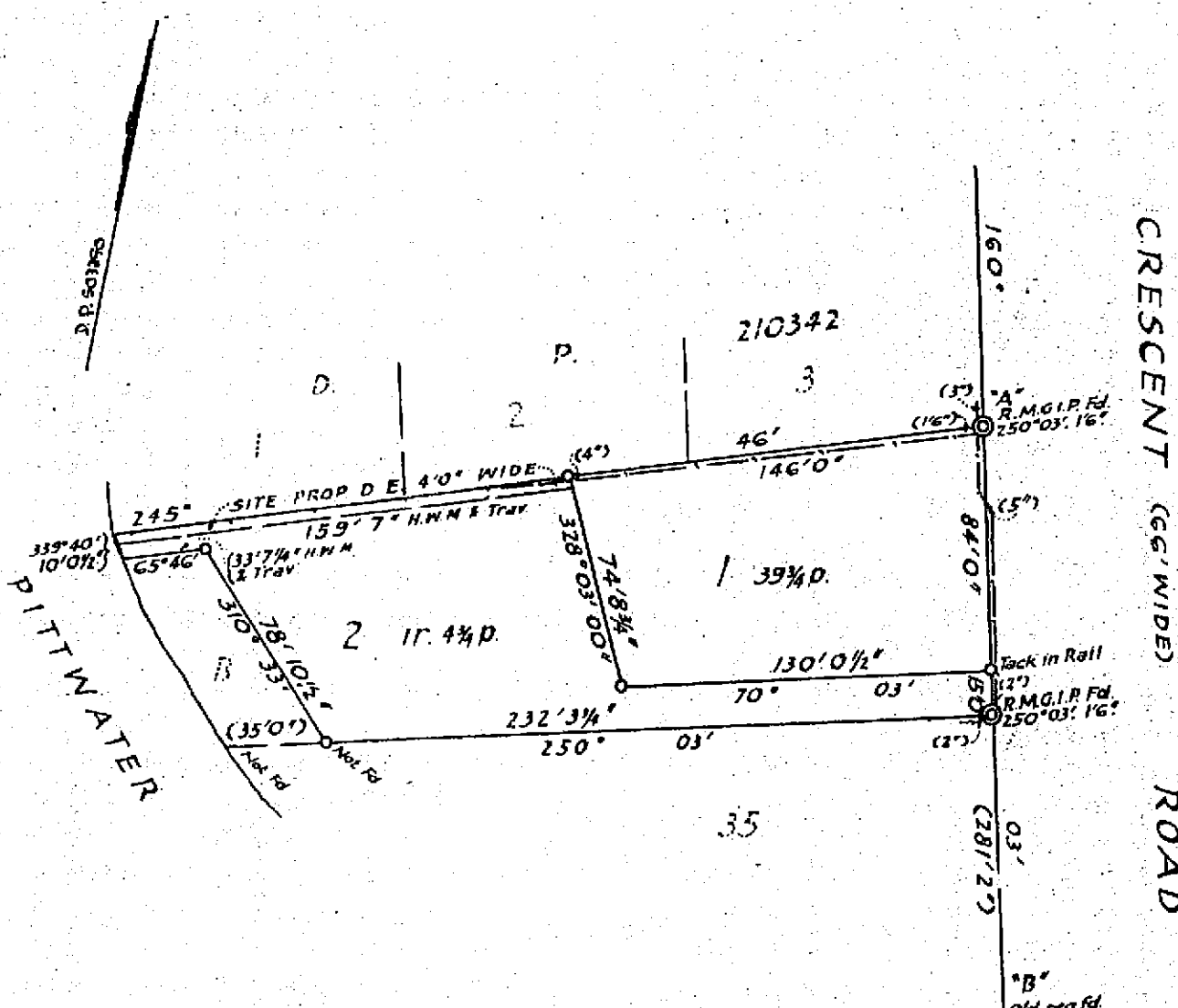
*B. Bailey*

*Jan Watson*

Registrar-General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO.

Estate in Fee Simple in Lot 2 in Deposited Plan 503390 at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (Continued overleaf)

JOHN VICTOR GEORGE MILES, of Newport, Boat Builder and Motor Boat Proprietor.

*Jan Watson*

Registrar General.

SECOND SCHEDULE (Continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.

*Jan Watson*

Registrar General.



**REGISTERED PROPRIETOR**

Private City entering on 100 509 551 No. 464 King St. No. 464  
This deed is cancelled as to the whole

New Certificates of Title have issued for lots in

Deposited With No. 509841 as follows:-

Lots 11 & 12 Vol. 9829 Nos. 2438 & 2445 pages

Vol. 9829 File 263844 Freney



REGISTRAR GENERAL

## SECOND SCHEDULE (continued)

[illegible]

FORM No. 184A

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



### Title Search

28/09/2022 07:09 PM

Client Reference: DI-ES8577

#### NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 112/556902

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2022	7:09 PM	11	5/9/2022

#### LAND

LOT 112 IN DEPOSITED PLAN 556902

AT NEWPORT

LOCAL GOVERNMENT AREA NORTHERN BEACHES

PARISH OF NARRABEEN COUNTY OF CUMBERLAND

TITLE DIAGRAM DP556902

#### FIRST SCHEDULE

57 THE AVENUE PTY LTD (T AS445037)

#### SECOND SCHEDULE (7 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 G279303 EASEMENT FOR TRANSMISSION LINE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM  
T154569 EASEMENT NOW VESTED IN THE SYDNEY COUNTY COUNCIL
- 3 J794974 COVENANT AFFECTING THE PART SHOWN SO BURDENED IN THE TITLE DIAGRAM.
- 4 N163213 RIGHT OF CARRIAGEWAY AFFECTING PART OF THE LAND WITHIN DESCRIBED SHOWN IN PLAN WITH N163213
- 5 T326401 EASEMENT TO DRAIN WATER AFFECTING PART OF THE LAND WITHIN DESCRIBED SHOWN AS DRAINAGE EASEMENT 1.83 M WIDE IN PLAN T326401
- 6 AS445038 MORTGAGE TO CENTRAL REAL CAPITAL PTY LTD
- 7 AS445039 MORTGAGE TO MC PARRAMATTA PTY LTD

#### NOTATIONS

UNREGISTERED DEALINGS: NIL

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



DI-ES8577

PRINTED ON 28/9/2022

\* 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.

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## Historical Search

09/09/2022 01:44 PM

Client Reference: DI-ES8577

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

SEARCH DATE

9/9/2022 1:43PM

FOLIO: 112/556902

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

Prior Title(s): VOL 11918 FOL 198

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED
		FOLIO NOT CREATED	
21/10/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED
		CT NOT ISSUED	
11/6/1991	Z691431	DISCHARGE OF MORTGAGE	EDITION 1
11/6/1991	Z691433	DISCHARGE OF MORTGAGE	
30/9/1994		AMENDMENT: LOCAL GOVT AREA	
30/11/2007	AD602435	DISCHARGE OF MORTGAGE	EDITION 2
3/4/2008	AD866778	TRANSFER	EDITION 3
2/6/2009	AE721139	CAVEAT	
3/8/2009	AE825931	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
3/8/2009	AE871747	WITHDRAWAL OF CAVEAT	
21/2/2011	AG79565	CAVEAT	
3/3/2011	AG98746	CAVEAT	
27/6/2012	AH76819	TRANSMISSION APPLICATION (EXECUTOR, ADMINISTRATOR, TRUSTEE)	EDITION 4
25/5/2015	AJ497455	WITHDRAWAL OF CAVEAT	
25/5/2015	AJ497468	WITHDRAWAL OF CAVEAT	
25/5/2015	AJ483845	TRANSFER	EDITION 5

19/6/2015 AJ578988 LEASE  
19/6/2015 AJ578989 LEASE EDITION 6  
  
16/2/2016 AK224954 LEASE EDITION 7  
  
30/11/2018 AN814885 REQUEST  
30/11/2018 AN876161 REQUEST EDITION 8

END OF PAGE 1 - CONTINUED OVER

DI-ES8577 PRINTED ON 9/9/2022

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

9/9/2022 1:43PM

FOLIO: 112/556902 PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
29/3/2019	AP153865	LEASE	EDITION 9
27/4/2020	AQ63198	SURRENDER OF LEASE	EDITION 10
5/9/2022	AS445037	TRANSFER	
5/9/2022	AS445038	MORTGAGE	
5/9/2022	AS445039	MORTGAGE	EDITION 11

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



DI-ES8577

PRINTED ON 9/9/2022

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19/08/2022 02:29 PM

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Form: 011  
Release: 3.4  
www.lands.nsw.gov.au

**TRANSFER**  
New South Wales  
Real Property Act 1900

Leave this space clear. Affix additional



**AD866774E**

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

**STAMP DUTY**

Office of State Revenue use only

NEW SOUTH WALES DUTY  
02-04-2008 0004915695-006  
SECTION 18(2)  
DUTY \$ \*\*\*\*\*2.00

**(A) FOLIO OF THE REGISTER**

Folio Identifier 21/545339

**(B) LODGED BY**

Document Collection Box  128V	Name, Address or DX, Telephone, and LLPN if any	1230656	CODES  T  TW (Sheriff)
	Gilbert + Tobin DX 10348 SSE Telephone: 9296 4183		
	Reference: KKV:AAH:1004127		

**(C) TRANSFEROR**

FERMENTATION INDUSTRIES (AUST) PTY LIMITED ACN 001 564 245

**(D) CONSIDERATION** The transferor acknowledges receipt of the consideration of \$ 3,456,000.00 and as regards

**(E) ESTATE** the above folio of the Register transfers to the transferee an estate in fee simple

**(F) SHARE TRANSFERRED**

**(G)** Encumbrances (if applicable):

**(H) TRANSFEREE**

BITOVA PTY LIMITED ACN 071 155 818

**(I) TENANCY:**

DATE DO NOT DATE

**(J)** Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: FERMENTATION INDUSTRIES (AUST) PTY LIMITED  
Authority: S127 CORPORATION ACT 2001

Signature of authorised person: Julie A. Axelson

Signature of authorised person: Clifford Axelson

Name of authorised person: JULIE AXELSON  
Office held: DIRECTOR

Name of authorised person: CLIFFORD AXELSON  
Office held: DIRECTOR

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

Signature:

AHempel

Signatory's name: AMANDA ANNE HEMPEL  
Signatory's capacity: TRANSFEREE'S SOLICITOR



19/08/2022 02:37 PM

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NEW SOUTH WALES

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



11488-241

Appln No.12674  
Prior Title Vol.9185 Fol.227

Vol. 11488 Fol. 241

Edition issued 18-12-1970



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*

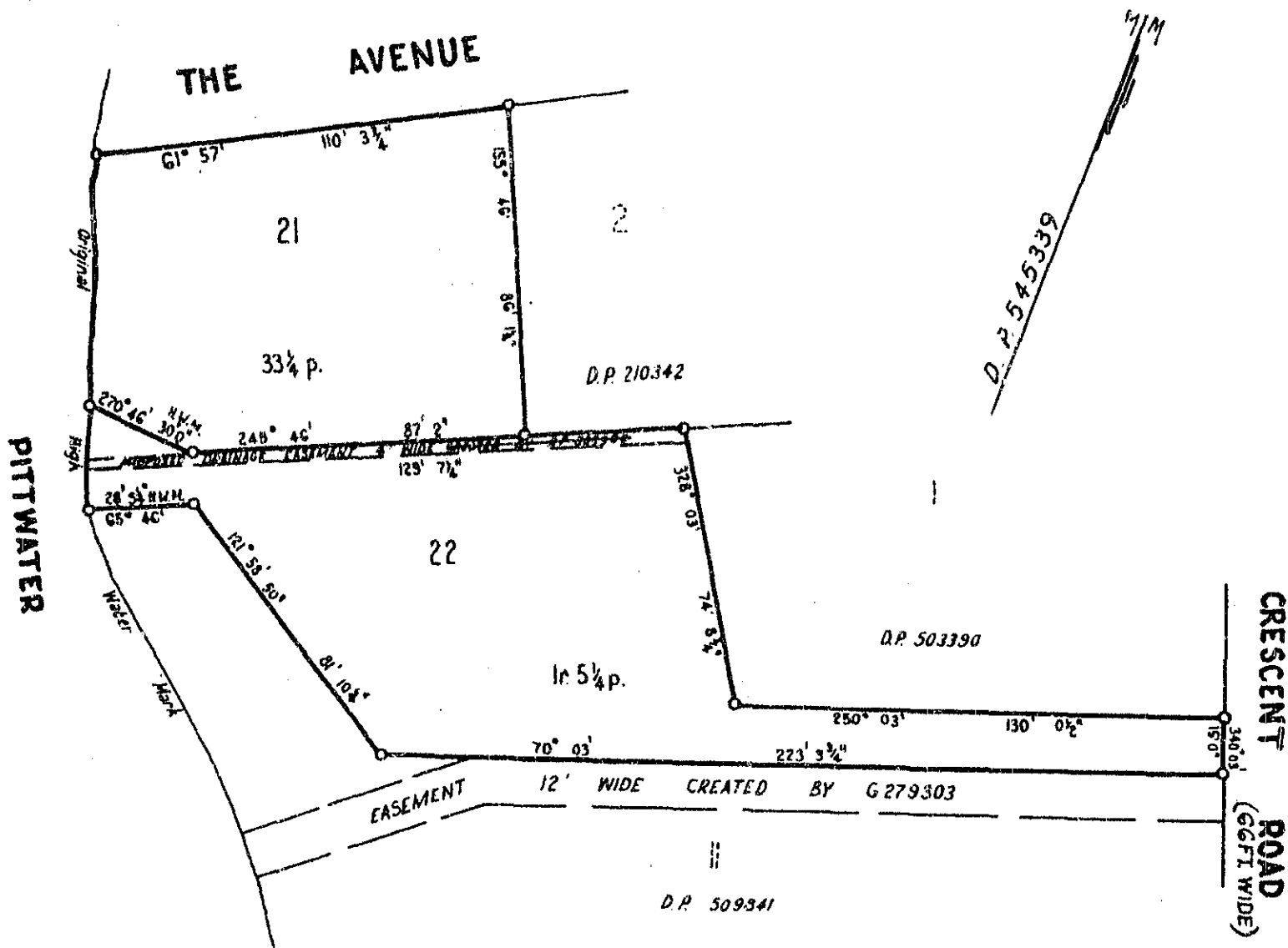
**CANCELLED**  
*Jawatson*



Registrar General.

PLAN SHOWING LOCATION OF LAND

**SEE AUTO FOLIO**



ESTATE AND LAND REFERRED TO

S Estate in Fee Simple in Lot 21 in Deposited Plan 545339 at Newport in the Shire of Warringah Parish of Narrabeen County of Cumberland being part of Portion 17 granted to Robert Campbell on 31-8-1819.

FIRST SCHEDULE

~~PETER WILLIAM JOHN DAWSON of Newport, System Operator.~~

SECOND SCHEDULE


GRY



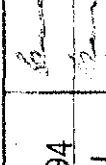
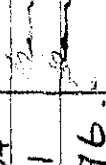
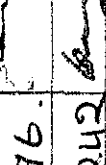
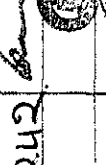

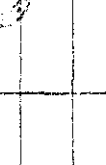
1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. ~~Mortgage No. L151620 to The Electricity Commission Employees Co-operative Building Society No.8 Limited. Entered 29-8-1968. Discharged R784792.~~
3. ~~Mortgage No. L151621 to The Electricity and General Permanent Co-operative Building and Investment Society Limited. Entered 29-8-1968. Discharged R784793.~~

*Jawatson*

Registrar General.

CT19/12/76  
PL65861M  
R784792  
-931  
-95  
R879307  
SAS-84  
PA  
T251111  
121  
T803966  
Mortgage T251  
19.7.8  
T1662421  
V650667M  
W114367M  
368 T  
369 T  
370 M  
W815018M  
-195  
-201

FIRST SCHEDULE (continued)				
REGISTERED PROPRIETOR		INSTRUMENT		
NATURE	NUMBER	DATE	ENTERED	Signature of Registrar-General
Transfer	R784795		6-5-1980	
Samalut Enterprises Pty. Limited				
John Philip Henry and Mary Elizabeth Eaton as tenants in common in equal shares by Transfers W14368, W14369. Registered 14.1.1986.				
Fermentation Industries (Aust) Pty. Limited by Transfer W815019. Registered 29-4-1987.				
CANCELLED				
SEE AUTO FOLIO				

SECOND SCHEDULE (continued)				
INSTRUMENT		PARTICULARS		
NATURE	NUMBER	DATE	ENTERED	Signature of Registrar-General
Mortgage	P665861		2-4-1976	
to The Commercial Banking Company of Sydney Limited.				
Mortgage	R879307		30-6-1980	
to Hunter Street Finance Limited				
S745784 Caveat by Tricontinental Corporation Limited. Registered 23-10-1981				
T25112 Mortgage to Tricontinental Corporation Limited. Registered 28-5-1982				
V650667 Mortgage to Commonwealth Trading Bank of Australia. Registered 11-4-1985				
W144370 Mortgage to Harnorm Trustees Pty. Limited. Registered 14.1.1986.				
W815020 Mortgage to John Philip Henry and Mary Elizabeth Henry as tenants in common. Registered 29-4-1987.				
CANCELLATION				
		Discharged	R784794	
		Discharged	T25111	
		Withdrawn	T80396	
		Discharged	T166242	
		Discharged	W114367	
		Discharged	W815018	

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19/08/2022 02:45 PM

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09185227

M  
NEW SOUTH WALES

(For Grant and title reference  
prior to first edition see  
Deposited Plan.)

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



Vol. 9185 Fol. 227

**CANCELLED**

1st Edition issued 23-5-1962.

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.

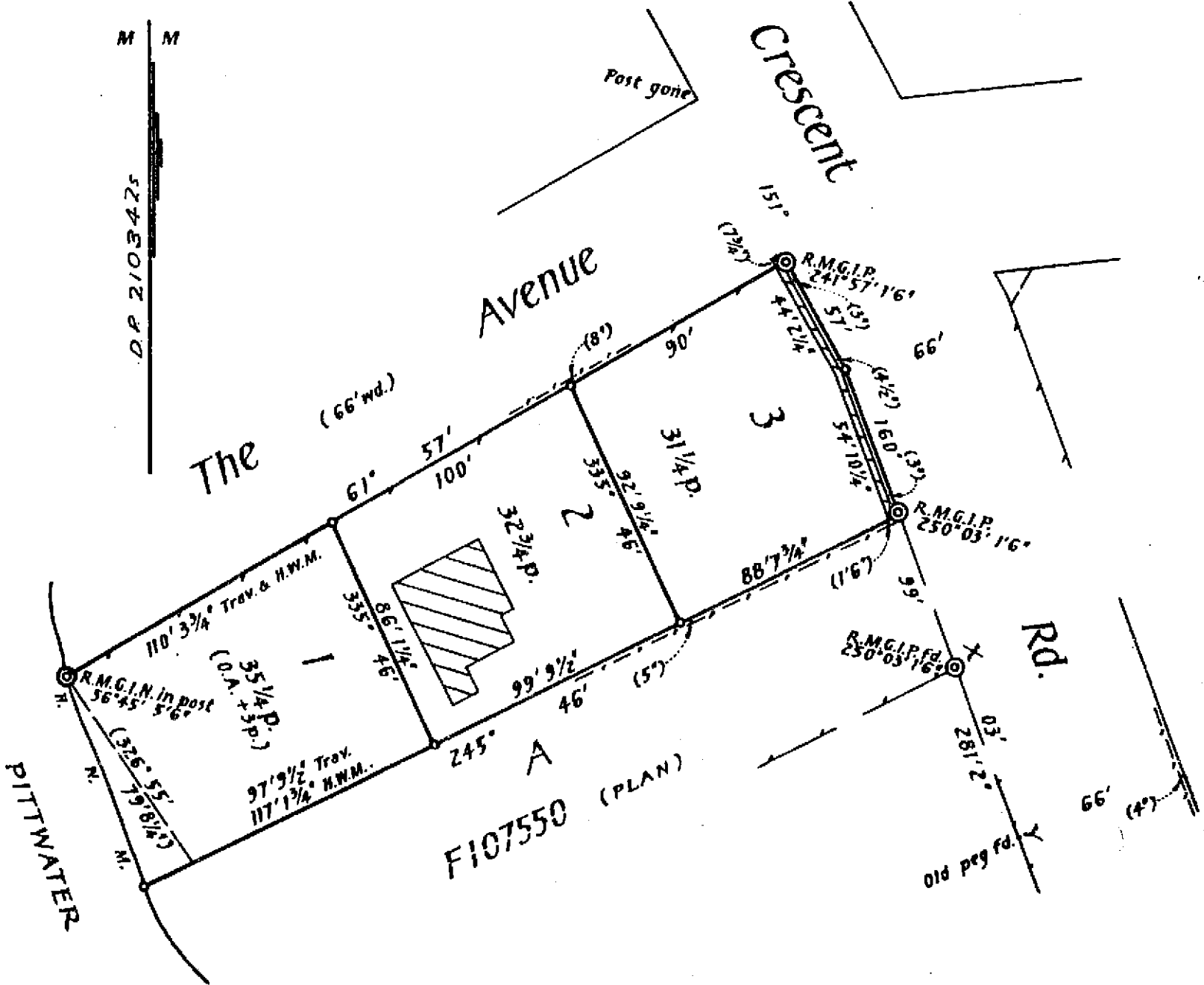
Witness

*R. Brown*

*Jawatson*  
Registrar-General.



PLAN SHOWING LOCATION OF LAND



ESTATE AND LAND REFERRED TO.

Estate in Fee Simple in Lot 1 in Deposited Plan 210342s at Newport in the Shire of Warringah Parish of Narrabeen and County of Cumberland.

FIRST SCHEDULE (Continued overleaf)

~~WILLIAM ALFRED PENNELL, of Vacluse, Gentleman.~~

*Jawatson*  
Registrar General.

SECOND SCHEDULE (Continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant(s) referred to in the said Deposited Plan.

*Jawatson*  
Registrar General.



REGISTERED PROPRIETOR

227

New Certificates of Title have issued on 13-137-1970

for lots in Deposited \_\_\_\_\_ Plan No. 45333 as follows:-

Lots 21-22 Vol. 114-22 Fol. 241-242 respectively.

*Handwritten signature*

REGISTRAR GENERAL

## PARTICULARS

4

FORM No. 181A

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

**Title Search**

28/09/2022 07:07 PM

Client Reference: DI-ES8577

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 21/545339

SEARCH DATE	TIME	EDITION NO	DATE
28/9/2022	7:06 PM	5	5/9/2022

LAND

LOT 21 IN DEPOSITED PLAN 545339

AT NEWPORT

LOCAL GOVERNMENT AREA NORTHERN BEACHES

PARISH OF NARRABEEN COUNTY OF CUMBERLAND

TITLE DIAGRAM DP545339

FIRST SCHEDULE

57 THE AVENUE PTY LTD (T AS445037)

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 AS445038 MORTGAGE TO CENTRAL REAL CAPITAL PTY LTD
- 3 AS445039 MORTGAGE TO MC PARRAMATTA PTY LTD

NOTATIONS

NOTE: THIS FOLIO MAY BE ASSOCIATED WITH A CROWN TENURE WHICH IS  
SUBJECT TO PAYMENT OF AN ANNUAL RENT. FOR FURTHER DETAILS CONTACT  
CROWN LANDS.

UNREGISTERED DEALINGS: NIL

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



DI-ES8577

PRINTED ON 28/9/2022

\* 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.

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## Historical Search

19/08/2022 02:22 PM

Client Reference: DI-ES8577

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

SEARCH DATE

19/8/2022 2:21PM

FOLIO: 21/545339

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

Prior Title(s): VOL 11488 FOL 241

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED
		FOLIO NOT CREATED	
18/7/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED
		CT NOT ISSUED	
30/9/1994		AMENDMENT: LOCAL GOVT AREA	
19/2/1996	O920971	REQUEST	
19/2/1996	O920972	DISCHARGE OF MORTGAGE	EDITION 1
19/6/1996	2239357	MORTGAGE	EDITION 2
11/7/2006	AC435711	DEPARTMENTAL DEALING	
30/11/2007	AD602433	DISCHARGE OF MORTGAGE	EDITION 3
3/4/2008	AD866774	TRANSFER	EDITION 4
4/8/2020	AQ294846	DEPARTMENTAL DEALING	

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



DI-ES8577

PRINTED ON 19/8/2022

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# **APPENDIX E**

---

## **CURRENT AND HISTORICAL AERIAL PHOTOGRAPHS**



# HISTORICAL AERIAL PHOTOGRAPHS - 1948



## LEGEND

 Site Boundary

## PROJECT DETAILS

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW




## DRAWING DETAILS


Figure No.	1	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	08.08.2022
Approved by	MK	Date	06.10.2022

# HISTORICAL AERIAL PHOTOGRAPHS - 1955



## LEGEND


 Site Boundary

PROJECT DETAILS			DRAWING DETAILS			
Project Title	Detailed Site Investigation		Figure No.	2	Rev No.	0
Project No.	ES8577		Scale	As above	Size	A4
Client	Essex Develop Pty Ltd		Drawn by	SK	Date	08.08.2022
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW		Approved by	MK	Date	06.10.2022

# HISTORICAL AERIAL PHOTOGRAPHS - 1965



**LEGEND**


 Site Boundary

PROJECT DETAILS			DRAWING DETAILS			
Project Title	Detailed Site Investigation		Figure No.	3	Rev No.	0
Project No.	ES8577		Scale	As above	Size	A4
Client	Essex Develop Pty Ltd		Drawn by	SK	Date	08.08.2022
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW		Approved by	MK	Date	06.10.2022

# HISTORICAL AERIAL PHOTOGRAPHS - 1975



LEGEND

 Site Boundary

PROJECT DETAILS	
Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW




DRAWING DETAILS			
Figure No.	4	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	08.08.2022
Approved by	MK	Date	06.10.2022

# HISTORICAL AERIAL PHOTOGRAPHS - 1982



## LEGEND

 Site Boundary

## PROJECT DETAILS

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW



## DRAWING DETAILS

Figure No.	5	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	08.08.2022
Approved by	MK	Date	06.10.2022

# HISTORICAL AERIAL PHOTOGRAPHS - 1991



LEGEND

 Site Boundary


PROJECT DETAILS			DRAWING DETAILS			
Project Title	Detailed Site Investigation		Figure No.	6	Rev No.	0
Project No.	ES8577		Scale	As above	Size	A4
Client	Essex Develop Pty Ltd		Drawn by	SK	Date	08.08.2022
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW		Approved by	MK	Date	06.10.2022



# HISTORICAL AERIAL PHOTOGRAPHS - 2005



## LEGEND

 Site Boundary

### PROJECT DETAILS

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW




### DRAWING DETAILS

Figure No.	7	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	08.08.2022
Approved by	MK	Date	06.10.2022

# HISTORICAL AERIAL PHOTOGRAPHS - 2022



**LEGEND**

 Site Boundary

**PROJECT DETAILS**

Project Title	Detailed Site Investigation
Project No.	ES8577
Client	Essex Develop Pty Ltd
Site Address	122-128 Crescent Road and 55-57 The Avenue, Newport NSW



**DRAWING DETAILS**

Figure No.	8	Rev No.	0
Scale	As above	Size	A4
Drawn by	SK	Date	08.08.2022
Approved by	MK	Date	06.10.2022

# **APPENDIX F**

---

## **NSW EPA RECORDS**

## Background

A strategy to systematically prioritise, assess and respond to notifications under Section 60 of the *Contaminated Land Management Act 1997* (CLM Act) has been developed by the EPA. This strategy acknowledges the EPA's obligations to make information available to the public under *Government Information (Public Access) Act 2009*.

When a site is notified to the EPA, it may be accompanied by detailed site reports where the owner has been proactive in addressing the contamination and its source. However, often there is minimal information on the nature or extent of the contamination.

After receiving a report, the first step is to confirm that the report does not relate to a pollution incident. The Protection of the Environment Operations Act 1997 (POEO Act) deals with pollution incidents, waste stockpiling or dumping. The EPA also has an incident management process to manage significant incidents (<https://www.epa.nsw.gov.au/reporting-and-incidents/incident-management>).

In many cases, the information indicates the contamination is securely immobilised within the site, such as under a building or carpark, and is not currently causing any significant risks for the community or environment. Such sites may still need to be cleaned up, but this can be done in conjunction with any subsequent building or redevelopment of the land. These sites do not require intervention under the CLM Act, and are dealt with through the planning and development consent process. In these cases, the EPA informs the local council or other planning authority, so that the information can be recorded and considered at the appropriate time (<https://www.epa.nsw.gov.au/your-environment/contaminated-land/managing-contaminated-land/role-of-planning-authorities>).

Where indications are that the contamination could cause actual harm to the environment or an unacceptable offsite impact (i.e. the land is 'significantly contaminated'), the EPA would apply the regulatory provisions of the CLM Act to have the responsible polluter and/or landowner investigate and remediate the site. If the reported contamination could present an immediate or long-term threat to human health NSW Health will be consulted. SafeWork NSW and Water NSW can also be consulted if there appear to be occupational health and safety risks or an impact on groundwater quality.

As such, the sites notified to the EPA and presented in the list of contaminated sites notified to the EPA are at various stages of the assessment and remediation process. Understanding the nature of the underlying contamination, its implications and implementing a remediation program where required, can take a considerable period of time. The list provides an indication, in relation to each nominated site, as to the management status of that particular site. Further detailed information may be available from the EPA or the person who notified the site.

The following questions and answers may assist those interested in this issue.

## Frequently asked questions

### Why does my land appear on the list of notified sites?

Your land may appear on the list because:

- the site owner and/or the polluter has notified the EPA under section 60 of the CLM Act
- the EPA has been notified via other means and is satisfied that the site is or was contaminated.

If a site is on the list, it does not necessarily mean the contamination is significant enough to regulate under the CLM Act.

**Does the list contain all contaminated sites in NSW?**

No. The list only contains contaminated sites that EPA is aware of. If a site is not on the list, it does not necessarily mean the site is not contaminated.

The EPA relies on responsible parties and the public to notify contaminated sites.

**How are notified contaminated sites managed by the EPA?**

There are different ways the EPA can manage notified contaminated sites. Options include:

- regulation under the CLM Act, POEO Act, or both
- notifying the relevant planning authority for management under the planning and development process
- managing the site under the Protection of the Environment Operation (Underground Petroleum Storage Systems) Regulation 2014.

There are specific cases where contamination is managed under a tailored program operated by another agency (for example, the Resources & Geoscience's Legacy Mines Program).

**What should I do if I am a potential buyer of a site that appears on the list?**

You should seek advice from the seller to understand the contamination issue. You may need to seek independent contamination or legal advice.

The information provided in the list is indicative only and a starting point for your own assessment. Land contamination from past site uses is common, mainly in urban environments. If the site is properly remediated or managed, it may not affect the intended future use of the site.

**Who can I contact if I need more information about a site?**

You can contact the Environment Line at any time by calling 131 555 or by emailing [info@environment.nsw.gov.au](mailto:info@environment.nsw.gov.au).

**List of NSW Contaminated Sites Notified to the EPA**

## Disclaimer

The EPA has taken all reasonable care to ensure that the information in the list of contaminated sites notified to the EPA (the list) is complete and correct. The EPA does not, however, warrant or represent that the list is free from errors or omissions or that it is exhaustive.

The EPA may, without notice, change any or all of the information in the list at any time.

You should obtain independent advice before you make any decision based on the information in the list.

The list is made available on the understanding that the EPA, its servants and agents, to the extent permitted by law, accept no responsibility for any damage, cost, loss or expense incurred by you as a result of:

1. any information in the list; or
2. any error, omission or misrepresentation in the list; or
3. any malfunction or failure to function of the list;
4. without limiting (2) or (3) above, any delay, failure or error in recording, displaying or updating information.

Site Status	Explanation
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or <i>Protection of the Environment Operations Act 1997</i> .
Under Preliminary Investigation Order	The EPA has issued a Preliminary Investigation Order under s10 of the <i>Contaminated Land Management Act 1997</i> , to obtain additional information needed to complete the assessment.
Regulation under CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the <i>Contaminated Land Management Act 1997</i> is not required.



Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the <i>Contaminated Land Management Act 1997</i> . A regulatory approach is being finalised.
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.
Contamination currently regulated under POEO Act	Contamination is currently regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA as the appropriate regulatory authority reasonably suspects that a pollution incident is occurring/ has occurred and that it requires regulation under the POEO Act. The EPA may use environment protection notices, such as clean up notices, to require clean up action to be taken. Such regulatory notices are available on the POEO public register.
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the <i>Environmental Planning and Assessment Act 1979</i> (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 formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the <i>Contaminated Land Management Act 1997</i> (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 <i>Protection of the Environment Operations Act 1997</i> (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 <i>Environmental Planning and Assessment Act 1979</i> (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.

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ABBOTSFORD	Former Gasworks	83 Wymston PARADE	Gasworks	Contamination formerly regulated under the CLM Act	-33.85288351	151.1265979
ABBOTSFORD	Former Gasworks	82, 83, 84 Wymston Pde, & 37, 39, 43, 45 St Albans STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.85288316	151.1267729
ABBOTSFORD	Former Gasworks	85 Wymston PARADE	Gasworks	Regulation under CLM Act not required	-33.85265214	151.1266277
ABBOTSFORD	Former Gasworks	80-81 Wymston Pde and 35 and 41 St Albans STREET	Gasworks	Regulation under CLM Act not required	-33.85306653	151.1268142
ABBOTSFORD	Former Gasworks	43 St Albans STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.85270604	151.126976
ABERDEEN	Former Transport Depot	87-89 St Andrew STREET	Other Industry	Regulation under CLM Act not required	-32.17160931	150.8972859
ALBION PARK	Caltex Albion Park Service Station	1 Calderwood ROAD	Service Station	Regulation under CLM Act not required	-34.57131362	150.7647971
ALBION PARK RAIL	Caltex Service Station	174 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.56134097	150.7953663
ALBION PARK RAIL	Caltex Service Station	31 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.55162786	150.7880626
ALBION PARK RAIL	Former Timber Storage Area	36 Rivulet CRESCENT	Other Industry	Regulation under CLM Act not required	-34.54872597	150.7899351
ALBURY	Xpress Service Station	616-624 Young STREET	Service Station	Contamination formerly regulated under the CLM Act	-36.0755401	146.9255668
ALBURY	Albury Plaza	Cnr Smollett Street and Townsend STREET	Other Industry	Regulation under CLM Act not required	-36.08112933	146.9135719
ALBURY	Caltex Service Station	Dean Street, Corner Creek STREET	Service Station	Regulation under CLM Act not required	-36.07978937	146.9110825
ALBURY	Coles Express Albury	465 Guinea STREET	Service Station	Regulation under CLM Act not required	-36.07513665	146.9213077
ALBURY	Former Caltex Service Station	842 David STREET	Service Station	Regulation under CLM Act not required	-36.06398743	146.9252143

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ALBURY	Former Gasworks and surrounding commercial land	441 Kiewa STREET	Gasworks	Contamination currently regulated under CLM Act	-36.08416926	146.9137704
ALBURY	Former Thales Australia site, Albury	161 Fallon STREET	Other Industry	Contamination formerly regulated under the CLM Act	-36.064966	146.9434831
ALBURY	Mobil Albury Aviation Fuel Depot	Hangar 8 (Albury Airport), Ogden PLACE	Other Petroleum	Regulation under CLM Act not required	-36.07178139	146.9530165
ALBURY	Mobil Depot, Railway Place Albury	1 Railway PLACE	Other Petroleum	Regulation under CLM Act not required	-36.08526805	146.9236999
ALBURY	SRA Land	448 and 452 Young STREET	Unclassified	Regulation under CLM Act not required	-36.08438605	146.9235454
ALBURY	SRA Land, 514 to 526 Young Street	514 to 526 Young STREET	Other Petroleum	Regulation under CLM Act not required	-36.08084123	146.9241682
ALBURY	Woolworths Petrol	515 Young STREET	Service Station	Regulation under CLM Act not required	-36.08073723	146.92351
ALEXANDRIA	205-225 Euston Road, Alexandria	205-225 Euston ROAD	Other Industry	Regulation under CLM Act not required	-33.9127872	151.1855565
ALEXANDRIA	566 Gardeners Road, Alexandria NSW	566 Gardeners ROAD	Unclassified	Under assessment	-33.91921186	151.1839188
ALEXANDRIA	6 - 8 Huntley Street, Alexandria NSW 2004	6 - 8 Huntley STREET	Metal Industry	Under assessment	-33.90982985	151.1924567
ALEXANDRIA	Alexandria Canal Sediments	Off Huntley STREET	Other Industry	Contamination currently regulated under CLM Act	-33.92204213	151.1770009
ALEXANDRIA	Alexandria Gardens	146-156 Wyndham Street & 146-156 Botany ROAD	Unclassified	Regulation under CLM Act not required	-33.89956961	151.1997377
ALEXANDRIA	Alexandria GoGas	562 Botany ROAD	Service Station	Regulation under CLM Act not required	-33.91577222	151.2000753
ALEXANDRIA	Australia Post	10-24 Ralph STREET	Other Industry	Contamination was addressed via the planning process (EP&A Act)	-33.91583041	151.197997
ALEXANDRIA	Australian Refined Alloys	202-212 Euston ROAD	Metal Industry	Regulation under CLM Act not required	-33.91505136	151.185872

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ALEXANDRIA	Caltex Alexandria Service Station	133 Wyndham St, cnr McEvoy STREET	Service Station	Regulation under CLM Act not required	-33.90220927	151.2000425
ALEXANDRIA	Former Cadbury Schweppes	49-59 O'Riordan STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.91406619	151.195067
ALEXANDRIA	Former Industrial Site (now Value Suites)	16 O'Riordan STREET	Other Industry	Regulation under CLM Act not required	-33.9069796	151.201902
ALEXANDRIA	Former Mobil Service Station	20 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.9075539	151.2014811
ALEXANDRIA	Formerly Gas N Go Alexandria (fully redeveloped into residential apartment as of September 2016)	10-20 Botany ROAD	Service Station	Regulation under CLM Act not required	-33.89536227	151.1987818
ALEXANDRIA	Mascot Developments	494-504 Gardeners ROAD	Other Industry	Regulation under CLM Act not required	-33.9198218	151.191282
ALEXANDRIA	Perry Park	1B Maddox STREET	Landfill	Regulation under CLM Act not required	-33.90809949	151.1962945
ALEXANDRIA	Sydney Park	Sydney Park ROAD	Landfill	Contamination currently regulated under CLM Act	-33.91031048	151.1844672
ALEXANDRIA	The Gentry Alexandria	31-41 William STREET	Unclassified	Regulation under CLM Act not required	-33.91258565	151.1981861
ALSTONVILLE	Caltex Service Station Alstonville	73 Main STREET	Service Station	Regulation under CLM Act not required	-28.84115994	153.4388699
AMBARVALE	Caltex Service Station	37 Woodhouse DRIVE	Service Station	Regulation under CLM Act not required	-34.08438034	150.8019168
ANNANDALE	7-Eleven (former Mobil) Annandale Service Station	198 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.88706434	151.1741135
ANNANDALE	Shell Coles Express Service Station	124-126 Johnston STREET	Service Station	Regulation under CLM Act not required	-33.88085651	151.1704805
APPIN	Elladale Creek Aqueduct Upper Canal	Macquariedale ROAD	Unclassified	Regulation under CLM Act not required	-34.18867067	150.7539597
APPIN	West Cliff Colliery	Wedderburn ROAD	Other Petroleum	Regulation under CLM Act not required	-34.21970612	150.8217522

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ARDLETHAN	Landmark Fertiliser Storage Facility	18 & 24-26 Arianh STREET	Chemical Industry	Regulation under CLM Act not required	-34.35696645	146.9007084
ARGENTON	NSW Mines Rescue Services - Argenton	533 Lake ROAD	Other Industry	Regulation under CLM Act not required	-32.93807208	151.6269664
ARMIDALE	Armidale Dumaresq Council Grafton Road Depot	15-25 Grafton ROAD	Other Petroleum	Regulation under CLM Act not required	-30.52058076	151.6815261
ARMIDALE	Caltex Armidale Girraween Service Station	6-8 Queen Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-30.50348872	151.6510748
ARMIDALE	Caltex North Hill Service Station	2-4 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.50320439	151.6727051
ARMIDALE	Caltex Service Station	146 Miller STREET	Service Station	Regulation under CLM Act not required	-30.51362759	151.6481123
ARMIDALE	Caltex Service Station	144 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51709925	151.6675802
ARMIDALE	Caltex Service Station	19/10541 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.53210764	151.6160492
ARMIDALE	Former Lot 3 Martin Street	89 Martin STREET	Other Industry	Regulation under CLM Act not required	-30.50664682	151.64542
ARMIDALE	Former Mobil Depot	132 Niagara STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.51115918	151.6490343
ARMIDALE	Former Shell Depot	134 Niagara STREET	Other Petroleum	Regulation under CLM Act not required	-30.51180178	151.6488634
ARMIDALE	Gasworks and portion of Harris Park	Corner of Beardy Street and Allingham STREET	Gasworks	Contamination currently regulated under CLM Act	-30.51157374	151.6623009
ARMIDALE	Martin Street Estate	Martin STREET	Other Industry	Regulation under CLM Act not required	-30.50559024	151.6431854
ARMIDALE	Martin Street, Crown Land	Martin STREET	Other Industry	Contamination formerly regulated under the CLM Act	-30.50414076	151.6429516
ARMIDALE	Mobil Armidale Service Station and Former Depot	10-12 McLennan STREET	Service Station	Regulation under CLM Act not required	-30.51107573	151.648242



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ARMIDALE	Parklands near the former gasworks	Beardy Street and Allingham STREET	Gasworks	Regulation under CLM Act not required	-30.51013465	151.6652722
ARMIDALE	RTA land adjoining Martin Street estate	Martin STREET	Other Industry	Contamination formerly regulated under the CLM Act	-30.50445941	151.6415415
ARMIDALE	Shell Service Station	93 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51299824	151.6697557
ARNCLIFFE	7-Eleven Arncliffe	28 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.93428397	151.1525438
ARNCLIFFE	Combined Projects Arncliffe	104-128 Princes HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.93783874	151.1494559
ARTARMON	7-Eleven (former Mobil) Artarmon Service Station	477 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.81053826	151.1774248
ASHBY	Ashby Dry Dock	via Clarence STREET	Other Industry	Contamination formerly regulated under the CLM Act	-29.44158377	153.1972304
ASHFIELD	7-Eleven Ashfield	132 Liverpool Road STREET	Service Station	Contamination currently regulated under CLM Act	-33.89057897	151.1295498
ASHFIELD	Vehicle Workshop	445-449 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88826829	151.1167477
ASQUITH	BP Service Station	462 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.68982678	151.106156
ATTUNGA	Attunga Limestone Mine (Waste Oil Site)	Garthowen ROAD	Other Industry	Regulation under CLM Act not required	-30.92920627	150.8579435
AUBURN	Commercial Premises	11-13 Percy STREET	Other Industry	Under assessment	-33.85021046	151.0410097
AUBURN	Department of Corrective Services land adjacent to the former Auburn Landfill	Jamieson STREET	Landfill	Contamination formerly regulated under the CLM Act	-33.82928257	151.0590653
AUBURN	DIC Australia	323 Chisholm ROAD	Other Industry	Regulation under CLM Act not required	-33.87228962	151.0157032
AUBURN	Former Ajax Chemical Factory	9 Short STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.83671601	151.0292071

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
AUBURN	Janyon	Manchester ROAD	Other Industry	Regulation under CLM Act not required	-33.84467826	151.020745
AUBURN	Maintrain Facility - Sydney Trains Auburn	Manchester ROAD	Other Industry	Regulation under CLM Act not required	-33.84410947	151.0242502
AWABA	Awaba Colliery	Wilton ROAD	Other Industry	Regulation under CLM Act not required	-33.02098186	151.5383612
BALGOWLAH	BP Service Station	Cnr Sydney Road and Maretimo STREET	Service Station	Regulation under CLM Act not required	-33.79546175	151.2559309
BALGOWLAH	Part of Manly Council Maintenance Depot	8-10 Roseberry STREET	Other Petroleum	Regulation under CLM Act not required	-33.78928907	151.2679557
BALGOWNIE	Fuel Power Plus	99 Balgownie ROAD	Service Station	Contamination currently regulated under POEO Act	-34.38925632	150.8808544
BALLINA	Ballina Mays Motors	River STREET	Other Petroleum	Regulation under CLM Act not required	-28.86935402	153.5585931
BALLINA	Ballina Shell	273 River STREET	Service Station	Regulation under CLM Act not required	-28.86809272	153.5552789
BALLINA	Former Mobil Service Station	37-41 Cherry STREET	Service Station	Regulation under CLM Act not required	-28.86952673	153.5624436
BALLINA	Woolworths Petrol	Kerr STREET	Service Station	Regulation under CLM Act not required	-28.85824461	153.5605439
BALRANALD	Caltex Service Station	Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-34.66747746	143.5662034
BANKSIA	Cooks Cove Development	Cooks Cove PARK	Landfill	Regulation under CLM Act not required	-33.94492759	151.1549947
BANKSIA	Woolworths Petrol Service Station Banksia	314 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.94567308	151.1416884
BANKSMEADOW	Caltex Terminal	1-3 Penrhyn ROAD	Other Petroleum	Contamination currently regulated under POEO Act	-33.96335328	151.2171062
BANKSMEADOW	Discovery Cove, Former Ampol Rail Terminal	1801 Botany ROAD	Other Petroleum	Regulation being finalised	-33.96162178	151.2184122

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BANKSMEADOW	Former Mobil Banksmeadow Terminal	Coal Pier ROAD	Other Petroleum	Regulation under CLM Act not required	-33.95405624	151.2142048
BANKSMEADOW	Former Pipeline	Corish CIRCLE	Other Petroleum	Regulation being finalised	-33.94705787	151.2209919
BANKSMEADOW	Orica Botany (Pre-2003 Regulation)	Denison STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.9516159	151.2195804
BANKSMEADOW	Orica Botany Groundwater Project	16-20 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.95526361	151.2152005
BANKSMEADOW	Orica Car Park Waste Encapsulation	Corish CIRCLE	Landfill	Contamination formerly regulated under the POEO Act	-33.94703665	151.22083
BANKSMEADOW	Orica Former Chlor Alkali Plant (same site as Orica Botany Groundwater Project)	Botany Industrial Park, off Denison STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.95664283	151.221685
BANKSMEADOW	Pacific National Rail Siding	1 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.95757712	151.2204974
BANKSMEADOW	Veolia Waste Transfer Terminal (former Keith Engineering site)	34-36 McPherson STREET	Other Industry	Regulation under CLM Act not required	-33.95811039	151.2195225
BANKSTOWN	7-Eleven Service Station	689 Henry Lawson DRIVE	Service Station	Regulation under CLM Act not required	-33.92749953	150.9804784
BANORA POINT	Caltex Service Station	Corner Leisure Drive and Darlington DRIVE	Service Station	Regulation under CLM Act not required	-28.21390712	153.5417434
BARGO	Tahmoor Colliery	Remembrance DRIVE	Other Industry	Regulation under CLM Act not required	-34.25090795	150.5793631
BARMEDMAN	Caltex - Barmedman	Corner Watson Street and Star STREET	Other Petroleum	Regulation under CLM Act not required	-34.14351302	147.3824934
BARRACK HEIGHTS	Caltex Service Station	332-336 Shellharbour ROAD	Service Station	Regulation under CLM Act not required	-34.56489171	150.8597814
BASS HILL	Woolworths Caltex Bass Hill	862 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.9008648	150.9991181
BATEAU BAY	Former landfill	The Entrance ROAD	Landfill	Contamination currently regulated under CLM Act	-33.3938305	151.4699046

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BATEAU BAY	Woolworths Service Station Bateau Bay	9 Bay Village ROAD	Service Station	Regulation under CLM Act not required	-33.37316432	151.4737125
BATEHAVEN	Caltex Service Station	264 Beach ROAD	Service Station	Regulation under CLM Act not required	-35.73255166	150.1997536
BATEHAVEN	Coles Express Service Station Batehaven	198 Beach ROAD	Service Station	Regulation under CLM Act not required	-35.72671807	150.1944931
BATEMANS BAY	Caltex Service Station	87-89 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.71940701	150.1762788
BATHURST	Bathurst - Former Caltex Depot	114 Howick STREET	Other Petroleum	Regulation under CLM Act not required	-33.42296963	149.5862574
BATHURST	Bathurst Rail Fabrication Centre	34 Alpha STREET	Other Industry	Regulation under CLM Act not required	-33.42805153	149.5829156
BATHURST	Caltex Bathurst Service Station	53 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41689545	149.5848527
BATHURST	Crago Mill site	Piper STREET	Other Industry	Regulation under CLM Act not required	-33.42777602	149.5809428
BATHURST	Former Devro Cattle Hide Processing Plant	46 Vale ROAD	Other Industry	Regulation under CLM Act not required	-33.43926137	149.5803563
BATHURST	Former Gasworks	71 Russell STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.42420302	149.5864517
BATHURST	Former Mobil Depot	1 Lambert STREET	Other Petroleum	Regulation under CLM Act not required	-33.42875534	149.5806344
BATHURST	Former Mobil Depot	Lower Russell STREET	Other Petroleum	Regulation under CLM Act not required	-33.42497876	149.585128
BATHURST	Former Police Station	Corner of William Street and Durham STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.41592424	149.5842233
BATHURST	Former Shell Depot Bathurst	56 Bant STREET	Other Petroleum	Regulation under CLM Act not required	-33.43471575	149.5774595
BATHURST	Shell Coles Express Bathurst Service Station	59 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41639415	149.5843243

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BATHURST	Shell Coles Express Service Station	(Cnr Stewart and Rocket Street) 298 Stewart STREET	Service Station	Regulation under CLM Act not required	-33.41910999	149.5677773
BATLOW	Crown Reserves	Mill ROAD	Other Industry	Regulation under CLM Act not required	-35.52355132	148.1505729
BAULKHAM HILLS	Caltex Baulkham Hills Service Station	117 Seven Hills ROAD	Service Station	Regulation under CLM Act not required	-33.76139872	150.9750767
BAULKHAM HILLS	Caltex Service Station	130 Seven Hills ROAD	Service Station	Regulation under CLM Act not required	-33.76180431	150.9746297
BAULKHAM HILLS	IBM Baulkham Hills Data Centre	3 Brookhollow AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.73252699	150.9680221
BAULKHAM HILLS	Shell Coles Express Service Station	363 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.7601819	150.9916224
BEACON HILL	Caltex Service Station	176 Warringah ROAD	Service Station	Contamination currently regulated under CLM Act	-33.75381485	151.2602617
BEACON HILL	Former 7-Eleven Service Station, Beacon Hill	312 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.75129647	151.2469656
BEACONSFIELD	63-85 Victoria St, Beaconsfield	63-85 Victoria STREET	Other Industry	Regulation under CLM Act not required	-33.9102929	151.2016275
BEGA	Caltex Service Station	36-40 Lagoon STREET	Service Station	Regulation under CLM Act not required	-36.66832965	149.8289048
BEGA	Coles Express (former Caltex) Service Station	2-6 Swan (Corner Carp) STREET	Service Station	Regulation under CLM Act not required	-36.67388263	149.838163
BEGA	Former Bega Gasworks	19-29 Upper STREET	Gasworks	Under preliminary investigation order	-36.67710613	149.8480253
BEGA	Former BP Service Station	100 - 102 Gipps STREET	Service Station	Regulation under CLM Act not required	-36.67563094	149.8433291
BEGA	Lands Adjoining the Former Bega Gasworks	Part of Upper, East, Gordon & Gloucester STREET	Gasworks	Under preliminary investigation order	-36.67704706	149.848425
BEGA	Spenco Site - owned by Bega Spotlight Property 2 Pty Ltd	53-65 Bega Street STREET	Other Industry	Regulation under CLM Act not required	-36.67135539	149.8450828

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BELMONT	Coles Express Belmont Service Station	502 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.03317155	151.6605194
BELMONT	Former Ampol Service Station	467-469 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.0299728	151.6613301
BELMONT NORTH	Belmont Bus Depot	2 Floraville ROAD	Other Petroleum	Regulation under CLM Act not required	-33.02476269	151.6606657
BELMONT NORTH	Caltex Belmont North Service Station	406 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02476876	151.6623655
BELMONT NORTH	Woolworths Service Station Belmont North	399 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02454211	151.6634893
BELMORE	7-Eleven Service Station	792-794 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92567992	151.0873469
BELMORE	SRA Land	348 Burwood ROAD	Unclassified	Regulation under CLM Act not required	-33.91753611	151.0859487
BELROSE	Caltex Service Station	157 Forest WAY	Service Station	Regulation under CLM Act not required	-33.7347675	151.2212004
BELROSE	Glenrose Shopping Centre	56-58 Glen STREET	Unclassified	Contamination currently regulated under CLM Act	-33.73917996	151.2101029
BELROSE	Woolworths Petrol	60 Glen STREET	Service Station	Regulation under CLM Act not required	-33.74009002	151.2091045
BENNETTS GREEN	Former Windale Wastewater Treatment Works	8 Templar PLACE	Other Industry	Regulation under CLM Act not required	-33.00317523	151.6936636
BERESFIELD	BP Beresfield Truckstop	2 Kinta Drive, corner John Renshaw DRIVE	Service Station	Regulation under CLM Act not required	-32.81122768	151.6393427
BERESFIELD	Former Koppers Timber Treatment Site	53 Weakleys DRIVE	Other Industry	Regulation under CLM Act not required	-32.79902937	151.6358846
BERKELEY VALE	Former Berkeley Vale Service Station	121-123 Lakedge AVENUE	Service Station	Regulation under CLM Act not required	-33.34899186	151.4423109
BERKSHIRE PARK	Shell Coles Express Berkshire Park	746 - 752 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.66508654	150.7990243



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BEROWRA	42 Berowra Waters Road	42 Berowra Waters ROAD	Unclassified	Regulation under CLM Act not required	-33.6203823	151.1481246
BEROWRA	7-Eleven Berowra Service Station	965-969 Pacific (Cnr Waratah Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-33.62673163	151.1479171
BEROWRA	Caltex Berowra Service Station	12-14 Berowra Waters ROAD	Service Station	Regulation under CLM Act not required	-33.6233827	151.1505554
BEROWRA	Shell Coles Express Berowra	955 Pacific (Cnr Yallambee Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-33.62818015	151.1475736
BERRIGAN	Caltex Service Station Berrigan	155-165 Chanter STREET	Service Station	Regulation under CLM Act not required	-35.6557616	145.8015557
BERRY	Berry Service Centre - Shell Branded	88 Queen STREET	Service Station	Regulation under CLM Act not required	-34.77571634	150.6961713
BERRY	BP branded service station Berry (Formerly Shell)	75 Queen STREET	Service Station	Contamination currently regulated under POEO Act	-34.77500516	150.695167
BEXLEY	7-Eleven (former Mobil) Service Station Bexley	613 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95539246	151.118447
BEXLEY	7-Eleven Bexley	474 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95160096	151.1252355
BILAMBIL HEIGHTS	Former Banana Plantation Land	38 McAllisters ROAD	Other Industry	Regulation under CLM Act not required	-28.21218056	153.4778762
BILLINUDGEL	Billinudgel General Store	2A Wilfred STREET	Service Station	Under assessment	-28.504353	153.527028
BILLINUDGEL	CSR Readymix	Mogo PLACE	Other Industry	Regulation under CLM Act not required	-28.50210255	153.5278161
BLACKMANS FLAT	Mount Piper Extension Development Site	2847 Boulder ROAD	Other Industry	Regulation under CLM Act not required	-33.35619968	150.0279881
BLACKMANS FLAT	Western Coal Services (former Lamberts Gully Mine)	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.36713827	150.0483236
BLACKTOWN	7-Eleven Service Station	60 Walters ROAD	Service Station	Regulation under CLM Act not required	-33.77599783	150.8948926

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BLACKTOWN	Former Caltex Service Station	131 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75866104	150.8962614
BLACKTOWN	Harpers Bush (Reserve 752)	Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.79119448	150.8967838
BLACKTOWN	Valspar Blacktown	4 Steel STREET	Chemical Industry	Regulation under CLM Act not required	-33.75425018	150.9127714
BLAKEHURST	The Bay Nursing Home	392 & 394 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.99030465	151.1140293
BLAKEHURST	Woolworths Service Station Blakehurst	390 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.99019694	151.1135663
BLAXLAND	7-Eleven (former Mobil) Service Station	137 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74627	150.6137669
BOAMBEE	BP-branded (former Mobil) Boambee Service Station	601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.33544287	153.0817266
BOAMBEE	Lindsay Bros transport depot site	542 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-30.33106848	153.0802985
BOBS FARM	Bob's Farm	15 Fenningham Island ROAD	Other Industry	Regulation under CLM Act not required	-32.74867207	152.0316217
BOGGABILLA	Former Caltex Service Station	90 Simpson Street, corner Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-28.60654029	150.3571056
BOGGABILLA	Lowes (Former Mobil) Depot	Newell HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-28.61023985	150.3529156
BOMADERRY	Bomaderry Works Depot	10 McIntyre WAY	Other Petroleum	Regulation under CLM Act not required	-34.84576748	150.6131411
BOMADERRY	Caltex Service Station	341 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.84561952	150.5946978
BOMADERRY	Caltex Service Station Bomaderry	246 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.83833824	150.5958799
BOMADERRY	Commercial Land	320 Princes HIGHWAY	Other Industry	Contamination currently regulated under CLM Act	-34.84424073	150.5958149

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BOMADERRY	Former Mobil Emoleum Depot	7 Victa WAY	Other Petroleum	Regulation under CLM Act not required	-34.84454618	150.6139462
BOMADERRY	Former Shell Depot	44 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-34.85193621	150.6117038
BOMADERRY	SRA Land	Lot 2 Meroo STREET	Unclassified	Regulation under CLM Act not required	-34.85314813	150.6099573
BOMBALA	Caltex Bombala Service Station	High Street corner Stephen STREET	Service Station	Regulation under CLM Act not required	-36.90447935	149.241292
BOMBALA	Caltex Service Station Bombala	159-161 Maybe STREET	Service Station	Regulation under CLM Act not required	-36.91234945	149.2374622
BOMBALA	Former Bright Street Timber Mill	Bright STREET	Other Industry	Regulation under CLM Act not required	-36.91547645	149.2302454
BOMBALA	Prime Pine site	Sandy LANE	Other Industry	Regulation under CLM Act not required	-36.9315425	149.2110959
BOMEN	Caltex Terminal	34 Lewington STREET	Other Petroleum	Regulation under CLM Act not required	-35.0700202	147.4121955
BOMEN	Enirgi Power Storage Recycling	509 Byrnes ROAD	Other Industry	Under assessment	-35.05985094	147.4283765
BONDI	BP-branded Service Station	185 Bondi ROAD	Service Station	Regulation under CLM Act not required	-33.89432208	151.2647671
BONDI	Caltex Service Station Bondi	51 Bondi ROAD	Service Station	Regulation under CLM Act not required	-33.8936307	151.260001
BONDI	Woolworths Metro	137-149 Bondi Road ROAD	Other Industry	Under assessment	-33.893963	151.263072
BONDI JUNCTION	Waverley Bus Depot	1-15 Oxford STREET	Other Industry	Regulation under CLM Act not required	-33.89165341	151.2421246
BONNY HILLS	Bonny View Store	923 Ocean DRIVE	Service Station	Regulation under CLM Act not required	-31.59075636	152.8392935
BONNYRIGG	Metro (Formerly United & AP SAVER) Service Station Bonnyrigg	709 Cabramatta (W) ROAD	Service Station	Regulation under CLM Act not required	-33.89297085	150.8925935

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BONNYRIGG HEIGHTS	BP-Branded Service Station Bonnyrigg	451 North Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.89416327	150.8578378
BOOLAROO	Bunnings Site - Pasminco Cockle Creek	13a Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94364503	151.6252316
BOOLAROO	Cardiff West Estate - Pasminco Cockle Creek	Adjacent to PCC Smelter at 13A Main ROAD	Metal Industry	Regulation under CLM Act not required	-32.93950137	151.6349183
BOOLAROO	Cockle Creek and Cockle Bay Sediments	Off Creek Reserve ROAD	Metal Industry	Contamination currently regulated under CLM Act	-32.96079541	151.6141327
BOOLAROO	Incitec Pivot	13 Main STREET	Other Industry	Contamination formerly regulated under the CLM Act	-32.94803538	151.6302187
BOOLAROO	Lake Macquarie Ciy Council Works Depot	Creek Reserve ROAD	Service Station	Regulation under CLM Act not required	-32.9524489	151.6164604
BOOLAROO	Lot 600 DP1228699 (formerly Part Lot 2 DP1127713 & proposed 'Lot D') - Pasminco Cockle Creek Smelter site	Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94440875	151.6264143
BOOLAROO	Part Lot 2 DP1127713 (proposed Lot G) - Pasminco Cockle Creek Smelter site	13a Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94404392	151.6267695
BOOLAROO	Pasminco Cockle Creek Smelter	Lake ROAD	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.94434593	151.6307345
BOOROWA	Boorowa Service Station	84 Marsden STREET	Service Station	Regulation under CLM Act not required	-34.44302227	148.7151026
BOOROWA	Former Mobil Depot	14-16 Brial STREET	Other Petroleum	Regulation under CLM Act not required	-34.43673234	148.7300821
BOOROWA	Mobil Service Station	63-69 Marsden STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.44157331	148.7162391
BOTANY	Allnex	49-61 Stephen ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.9524442	151.2106446
BOTANY	Botany, Underwood	14a Underwood AVENUE	Unclassified	Contamination being managed via the planning process (EP&A Act)	-33.94508532	151.1947626
BOTANY	Former Aerosols of Australia	1617 Botany ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9529386	151.2037468

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BOTANY	Former Industrial Site	28 Folkestone PARADE	Unclassified	Contamination being managed via the planning process (EP&A Act)	-33.95187539	151.1960537
BOTANY	Former Tannery	2 Daniel STREET	Other Industry	Regulation under CLM Act not required	-33.94126194	151.1991087
BOTANY	Roads and Maritime Service	5 - 9 Lord STREET	Other Industry	Regulation under CLM Act not required	-33.94100279	151.1968763
BOURKE	Ampol Bourke Service Station	82-86 Anson STREET	Service Station	Under assessment	-30.09500388	145.9414388
BOURKE	Former Shell Bourke Depot	94-106 Anson STREET	Service Station	Regulation under CLM Act not required	-30.09548497	145.9436745
BOWENFELS	Bowenfels Field Support Centre	9-13 Coorwull ROAD	Other Petroleum	Regulation under CLM Act not required	-33.47514572	150.1323899
BOWRAL	Former Gasworks	Merrigang STREET	Gasworks	Contamination currently regulated under CLM Act	-34.4783957	150.4255053
BOWRAL	Shell Coles Express Bowral Service Station	430 Bong Bong STREET	Service Station	Regulation under CLM Act not required	-34.48269596	150.417389
BOX HILL	Former Poultry Farm	27-33 Boundary ROAD	Other Industry	Regulation under CLM Act not required	-33.64866563	150.8815467
BOX HILL	Former Poultry Farm	19-25 Boundary ROAD	Other Industry	Regulation under CLM Act not required	-33.65038071	150.8813725
BOX HILL	Former Waste Management Facility	25 Terry ROAD	Landfill	Regulation under CLM Act not required	-33.65559259	150.8977986
BRANXTON	Branxton Wastewater Treatment Works	2151 New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.66069944	151.3625572
BRANXTON	Former Service Station Branxton	Part of 70 Maitland STREET	Service Station	Contamination currently regulated under CLM Act	-32.65631582	151.3516243
BREWARRINA	Dowell's Fuel	39 Doyle STREET	Service Station	Regulation under CLM Act not required	-29.96152786	146.8612561
BRIGHTON-LE-SANDS	Cook Park	General Holmes DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-33.9581072	151.1579572

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BRIGHTON-LE-SANDS	Shell Service Station Brighton Le Sands & adjacent land	2 General Holmes DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-33.95791132	151.1576486
BROADMEADOW	2 Georgetown Road, Broadmeadow NSW 2292	2 Georgetown ROAD	Metal Industry	Under assessment	-32.91229404	151.7322202
BROADMEADOW	Former Industrial Site	16 Broadmeadow ROAD	Service Station	Regulation under CLM Act not required	-32.91444096	151.7300112
BROADMEADOW	Nineways Broadmeadow Coles Express SS	Corner Brunker Road and Lambton ROAD	Service Station	Regulation under CLM Act not required	-32.92511185	151.7364247
BROKEN HEAD	South Byron Sewage Treatment Works	Broken Head ROAD	Other Industry	Regulation under CLM Act not required	-28.67233626	153.6148974
BROKEN HILL	Broken Hill Gas Turbines	76A Pinnacles ROAD	Unclassified	Under assessment	-33.43673058	148.358727
BROKEN HILL	Broken Hill Kanandah Road Refuelling Depot	Kanandah ROAD	Service Station	Under assessment	-31.98543706	141.4196
BROKEN HILL	Broken Hill Railway Yard	Crystal STREET	Landfill	Under assessment	-31.9690434	141.4563004
BROKEN HILL	Caltex Service Station	535 Argent STREET	Service Station	Regulation under CLM Act not required	-31.95311924	141.4745274
BROKEN HILL	Caltex Service Station	73-87 Oxide STREET	Service Station	Contamination formerly regulated under the CLM Act	-31.95519591	141.4658647
BROKEN HILL	Former Caltex Depot	3 Kanandah ROAD	Service Station	Regulation under CLM Act not required	-31.98341823	141.4332211
BROKEN HILL	Former Caltex Service Station	167-173 Argent STREET	Service Station	Regulation under CLM Act not required	-31.96066663	141.4624175
BROKEN HILL	Former Gasworks	Cornish STREET	Gasworks	Contamination formerly regulated under the CLM Act	-31.96330562	141.4470611
BROKEN HILL	Former Mobil Aviation Refuelling Facility, Broken Hill Airport	Airport ROAD	Other Petroleum	Regulation under CLM Act not required	-31.99928312	141.4685759
BROKEN HILL	Former Mobil Depot	Corner Of Talc Street and Gossan STREET	Other Petroleum	Regulation under CLM Act not required	-31.96018102	141.4514752



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BROKEN HILL	Tasco Petroleum (Former Mobil) Depot	5 Kanandah ROAD	Other Petroleum	Regulation under CLM Act not required	-31.9843986	141.4329127
BROOKLYN	Former Oyster Farm	139 Brooklyn (Off Government) ROAD	Unclassified	Regulation under CLM Act not required	-33.54716867	151.2229744
BROOKVALE	Brookvale Bus Depot	630-636 Pittwater ROAD	Other Petroleum	Regulation under CLM Act not required	-33.76641698	151.2705659
BROOKVALE	Caltex Service Station Brookvale	740-742 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76146721	151.2745358
BROOKVALE	Coles Express Service Station Brookvale	198 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.76332299	151.2794028
BROOKVALE	Harrison Manufacturing	75 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76497282	151.2637961
BROOKVALE	Littles Dry Cleaning	123 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76759121	151.2625932
BROOKVALE	Warringah Mall	Cnr Condamine Street, Old Pittwater Rd & Cross STREET	Other Industry	Regulation under CLM Act not required	-33.76729923	151.2657272
BROOKVALE	Woolworths Petrol Brookvale	756 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76170587	151.2762411
BROOMS HEAD	Former Brooms Head General Store and Service Station	92 Ocean ROAD	Service Station	Regulation under CLM Act not required	-29.60711599	153.3346312
BROWNSVILLE	Caltex Service Station	342 Kanahooka ROAD	Service Station	Regulation under CLM Act not required	-34.48591734	150.8064373
BRUNSWICK HEADS	Caltex Service Station	5 Tweed STREET	Service Station	Regulation under CLM Act not required	-28.5381619	153.5487135
BUDGEWOI	Colongra Power Station	Off Scenic DRIVE	Other Industry	Under assessment	-33.21463137	151.5529338
BULAHDELAH	BP-branded (former Mobil) Service Station	73-75 Bulahdelah WAY	Service Station	Regulation under CLM Act not required	-32.40971018	152.2105785
BULAHDELAH	Caltex Service Station	8 Red Gum Road, Corner Mahogany STREET	Service Station	Regulation under CLM Act not required	-32.39837094	152.2106015

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BULAHDELAH	Former Caltex Service Station	53-59 Bulahdelah WAY	Service Station	Regulation under CLM Act not required	-32.40721638	152.2110291
BULLABURRA	Former Burmah Bullaburra Service Station	367 - 369 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72482995	150.4124537
BULLI	Bulli Brickworks	Quilkey PLACE	Other Industry	Regulation under CLM Act not required	-34.33263113	150.9086247
BULLI	Scrap Yard	7 Molloy STREET	Other Industry	Contamination formerly regulated under the CLM Act	-34.33663195	150.9131154
BUNGALORA	Former landfill area	Part of 840 Terranora ROAD	Other Industry	Regulation under CLM Act not required	-28.2424318	153.4789209
BUNGENDORE	Bungendore former Station Masters Cottage	16 Majara STREET	Unclassified	Under assessment	-35.25494	149.446329
BUNGENDORE	Bungendore Railway Station and Rail Corridor	Bungendore STREET	Unclassified	Under assessment	-35.25397326	149.4470058
BUNGENDORE	Bungendore to Captains Flats – Rail Corridor	Lot 1 DP 189797 FORMATION	Unclassified	Under assessment	-35.58824	149.436673
BUNGENDORE	Former Timber Treatment Plant	Corner King Street and Butmaroo STREET	Other Industry	Contamination formerly regulated under the CLM Act	-35.26151273	149.4434907
BURONGA	Caltex Service Station	Sturt Hwy Cnr Silver City HIGHWAY	Service Station	Regulation under CLM Act not required	-34.17056496	142.1813847
BURWOOD	Burwood STA Depot	Cnr Shaftesbury and Parramatta ROADS	Other Industry	Contamination formerly regulated under the CLM Act	-33.86982934	151.1089057
BYRON BAY	Butler Street Reserve Byron Bay	Butler STREET	Landfill	Under assessment	-28.64340617	153.6099674
BYRON BAY	Residential Development	Lot 15 Seaview STREET	Unclassified	Regulation under CLM Act not required	-28.65214464	153.6165573
CABARITA	Dulux (Orica Australia)	Cabarita ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.84643972	151.1157115
CABARITA	Wellcome Soil Containment Cells Cabarita	47 and 48 Phillips STREET	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85250251	151.1176366

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CABRAMATTA	Cabramatta Creek	17 A and 19A Liverpool Street STREET	Unclassified	Regulation under CLM Act not required	-33.90284952	150.9415616
CABRAMATTA	Caltex (former Mobil) Lansvale Service Station	141 Hume HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.89442261	150.9571507
CABRAMATTA	Caltex Service Station Cabramatta	168 John STREET	Service Station	Regulation under CLM Act not required	-33.89422314	150.9279279
CABRAMATTA WEST	BP Lansvale	115-119 Hume HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.89373753	150.9587201
CABRAMURRA	Selwyn Snowfields / Selwyn Snow Resort	213A Kings Cross ROAD	Other Industry	Regulation under CLM Act not required	-35.90869221	148.4565678
CALGA	Former service station	101 Peats Ridge ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.37592138	151.2254951
CALLALA BEACH	Callala Beach General Store	(formerly 1 Quay Rd) 114A Quay ROAD	Service Station	Regulation under CLM Act not required	-35.0101817	150.6964322
CAMBRIDGE GARDENS	Caltex Cambridge Park	1 Boomerang PLACE	Service Station	Regulation under CLM Act not required	-33.74068794	150.717174
CAMDEN	Caltex Camden Service Station	21 Barsden STREET	Service Station	Regulation under CLM Act not required	-34.05808413	150.6914744
CAMDEN	Camden High School (former)	John STREET	Gasworks	Regulation under CLM Act not required	-34.05114079	150.6951285
CAMDEN SOUTH	Coles Express Service Station Camden South	273 Old Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08660995	150.6945444
CAMELLIA	Bitumen Manufacturer	12 Grand AVENUE	Other Industry	Contamination currently regulated under CLM Act	-33.82189695	151.0429251
CAMELLIA	Council Reserve	11B Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81850502	151.0302425
CAMELLIA	Former Asciano Properties	37A and 39 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.82056014	151.0443331
CAMELLIA	Former Shell Clyde Refinery	Durham STREET	Other Petroleum	Under assessment	-33.82804924	151.0378966

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAMELLIA	Hambear	14 Thackeray STREET	Metal Industry	Regulation under CLM Act not required	-33.81920482	151.0419394
CAMELLIA	Hymix Concrete	14 Grand AVENUE	Metal Industry	Contamination currently regulated under CLM Act	-33.82243454	151.044789
CAMELLIA	James Hardie Factory (former, eastern portion)	1 Grand AVENUE	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.81822448	151.0260958
CAMELLIA	Maritime Services Board	33A Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81836086	151.0401249
CAMELLIA	Mauri Foods	15 Grand AVENUE	Other Industry	Regulation being finalised	-33.81996985	151.0335725
CAMELLIA	Railway Land	27 Grand AVENUE	Other Industry	Regulation under CLM Act not required	-33.81910822	151.0382483
CAMELLIA	Sydney Water	41 Grand AVENUE	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.8217493	151.0453367
CAMELLIA	Veolia	37 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.81980027	151.0430689
CAMELLIA	Wrigg	13 Grand AVENUE	Metal Industry	Under preliminary investigation order	-33.81971361	151.0321525
CAMMERAY	Coles Express Cammeray	477-483 Miller STREET	Service Station	Regulation under CLM Act not required	-33.82141124	151.2108658
CAMMERAY	Tunks Park	Brothers AVENUE	Landfill	Contamination formerly regulated under the CLM Act	-33.81734704	151.2113338
CAMPBELLTOWN	BP Macarthur Service Station	Cnr Blaxland ROAD and Campbelltown ROAD	Service Station	Regulation under CLM Act not required	-34.05312872	150.8234349
CAMPBELLTOWN	Former vehicle wrecking yard	38 Blaxland ROAD	Other Industry	Regulation under CLM Act not required	-34.06055735	150.8130598
CAMPBELLTOWN	Mobil Service Station	96-98 Queen STREET	Service Station	Regulation under CLM Act not required	-34.06407588	150.8170082
CAMPERDOWN	Former Gee Graphics	27 Church STREET	Other Industry	Regulation under CLM Act not required	-33.88737747	151.1773616

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CAMPERDOWN	O'Dea Reserve	Salisbury LANE	Landfill	Contamination formerly regulated under the CLM Act	-33.89072786	151.1736948
CAMPERDOWN	The Spruce	12-14 Marsden STREET	Other Industry	Regulation under CLM Act not required	-33.88720632	151.1784514
CAMPSIE	Budget Petroleum and adjacent property	403 Canterbury Road and 1 Una STREET	Service Station	Contamination currently regulated under CLM Act	-33.91605617	151.1086596
CAMPSIE	Former Sunbeam factory	60 Charlotte STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.92254225	151.1025796
CANLEY HEIGHTS	Caltex Canley Heights Service Station	280-286 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88393501	150.9241656
CANLEY HEIGHTS	Former Caltex Canley Heights	368 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88271081	150.9154176
CANLEY VALE	Coles Express Lansvale	99 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.89295753	150.9606136
CANLEY VALE	Former Mobil Service Station	96 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88591573	150.9369801
CANOWINDRA	BP-branded Jasbe Service Station	76 Rodd STREET	Service Station	Regulation under CLM Act not required	-33.56131773	148.6682805
CANTERBURY	Metro Petroleum Service Station	13-19 Canterbury ROAD	Service Station	Contamination currently regulated under CLM Act	-33.90783455	151.125207
CAPTAINS FLAT	Captains Flat former Station Masters Cottage	2 Copper Creek ROAD	Other Industry	Under assessment	-35.59027127	149.4384122
CAPTAINS FLAT	Rail corridor adjacent to Lake George Mine	1 Copper Creek Road ROAD	Other Industry	Contamination currently regulated under CLM Act	-35.59038471	149.4382246
CARDIFF	7-Eleven Service Station	399 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93391137	151.6562111
CARDIFF	BP Service Station (Reliance Petroleum)	Corner Sturt and Main ROADS	Service Station	Regulation under CLM Act not required	-32.93792229	151.6569905
CARDIFF	Former Caltex Service Station	367 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93761223	151.6577781

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CARDIFF	Former Mobil Depot	7 Ranton STREET	Other Petroleum	Regulation under CLM Act not required	-32.94516764	151.6470387
CARDIFF	Maneela Oval	Main ROAD	Other Industry	Regulation under CLM Act not required	-32.93018443	151.6435559
CARDIFF	Woolworths (former Mobil) Cardiff Service Station	43 Macquarie ROAD	Service Station	Regulation under CLM Act not required	-32.94118246	151.6578195
CARINGBAH	7-Eleven Service Station	367 The KINGSWAY	Service Station	Regulation under CLM Act not required	-34.03948677	151.1203268
CARINGBAH	Adjacent to Spirent Australia	101-103 Cawarra ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-34.03360747	151.1245577
CARINGBAH	BP Service Station Caringbah	54 Captain Cook DRIVE	Service Station	Regulation under CLM Act not required	-34.032986	151.1250656
CARINGBAH	Caltex Lilli Pilli Service Station	477-481 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.05243807	151.1216353
CARINGBAH	Former Consumer Health Products Manufacturer	32-40 Cawarra ROAD	Other Industry	Regulation under CLM Act not required	-34.03024369	151.1277755
CARINGBAH	Spirent Australia	105 Cawarra ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-34.03425343	151.1245092
CARLINGFORD	Caltex Service Station	797 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.7757819	151.0516532
CARLINGFORD	Caltex Service Station Carlingford	131 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.78762398	151.0279422
CARLTON	Shell Coles Express Service Station	277 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.9748579	151.1272732
CARRINGTON	Carrington Coal Tar Pavements	Bourke Street to Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91441348	151.770271
CARRINGTON	Carrington redevelopment site	11 Howden STREET	Other Industry	Regulation under CLM Act not required	-32.91309509	151.7625341
CARRINGTON	Commercial Metals Company (CMC) Australia Pty Ltd	117-121 Bourke STREET	Other Industry	Regulation under CLM Act not required	-32.9148832	151.7677193



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CARRINGTON	Dyke Point Containment Cell	Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91763422	151.7727101
CARRINGTON	Forgacs Dockyard	81 Denison STREET	Other Industry	Regulation under CLM Act not required	-32.9207441	151.764816
CARRINGTON	NAT vacant land	Bourke STREET	Unclassified	Regulation under CLM Act not required	-32.91276029	151.7685894
CARRINGTON	Pasminco Ship Loader	Dyke Berth 2 (off Bourke Street) OTHER	Metal Industry	Regulation under CLM Act not required	-32.9148698	151.7716837
CARSS PARK	Kogarah War Memorial Pool	78 Carwar AVENUE	Other Industry	Under assessment	-33.9889195	151.1178227
CARSS PARK	Vacant Property	334 Princes HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.98628486	151.1133908
CARWELL	Cement Australia Carwell Creek Quarries	Quarry ROAD	Other Industry	Regulation under CLM Act not required	-32.85570277	149.9170908
CASINO	18 Beith Street, Casino	18 Beith STREET	Unclassified	Regulation under CLM Act not required	-28.84951426	153.0446585
CASINO	Caltex Service Station	96 Centre STREET	Service Station	Regulation under CLM Act not required	-28.86539567	153.0450654
CASINO	Caltex Service Station and Depot Casino	28 & 32 Dyraaba STREET	Service Station	Regulation under CLM Act not required	-28.85488567	153.044806
CASINO	Casino Roadhouse	86 Johnston STREET	Service Station	Contamination currently regulated under CLM Act	-28.85960698	153.0562429
CASINO	Corner Store	30 Barker STREET	Service Station	Regulation under CLM Act not required	-28.86316792	153.0389124
CASINO	Former Gasworks	134-136 North STREET	Gasworks	Regulation under CLM Act not required	-28.86080712	153.0526043
CASINO	Woolworths Service Station Casino	130 Canterbury STREET	Service Station	Regulation under CLM Act not required	-28.86231341	153.0464642
CASULA	Caltex Casula Service Station	646 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.95641262	150.8934783

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CATHERINE HILL BAY	Catherine Hill Bay Coal Handling and Preparation Plant	1A Keene STREET	Other Industry	Regulation under CLM Act not required	-33.16120556	151.6302456
CESSNOCK	Caltex Cessnock Service Station	103-105 Wollombi (Cnr James Street) ROAD	Service Station	Regulation under CLM Act not required	-32.83936243	151.3430078
CESSNOCK	Former Mobil Service Station	102 Wollombi ROAD	Service Station	Regulation under CLM Act not required	-32.83844074	151.3436022
CESSNOCK	Former Service Station	2-4 Allandale ROAD	Service Station	Regulation under CLM Act not required	-32.83118911	151.3560677
CESSNOCK	Lot 340 DP 755215	Old Maitland ROAD	Gasworks	Under assessment	-32.822092	151.379816
CHARBON	Charbon Colliery	Clarence ROAD	Other Industry	Regulation under CLM Act not required	-32.92390131	149.9839098
CHARLESTOWN	7-Eleven Charlestown	273 Charlestown ROAD	Service Station	Regulation under CLM Act not required	-32.95797076	151.6896275
CHARLESTOWN	Ausgrid Powell Street Depot	8 Powell STREET	Other Industry	Regulation under CLM Act not required	-32.95912375	151.6944136
CHARLESTOWN	Caltex Service Station	81 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-32.96715274	151.6955462
CHARLESTOWN	Caltex Woolworths (Former BP)	91-93 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-32.96631255	151.6959086
CHARMHAVEN	Caltex Charmhaven Service Station	13-15 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.21655768	151.5091452
CHATSWOOD	Auto Repairs	2 Devonshire STREET	Service Station	Regulation under CLM Act not required	-33.8015482	151.1859632
CHATSWOOD	Caltex Service Station Chatswood	572 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80381271	151.1789656
CHATSWOOD	Chatswood Toyota	728 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.79654247	151.1776136
CHATSWOOD	Coles Express Service Station Chatswood	877-879 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.79182176	151.1804867

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CHATSWOOD	Former Caltex Chatswood Service Station	607 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.80396472	151.1795766
CHATSWOOD	Woolworths Chatswood	364-366 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78667419	151.2010828
CHERRYBROOK	Caltex Service Station	67 Shepherds DRIVE	Service Station	Regulation under CLM Act not required	-33.72069183	151.0451415
CHESTER HILL	CMA RECYCLING AUSTRALIA PTY LIMITED 191 Miller Rd Chester Hill assessment (including 149 Orchard Rd).	191 Miller St & 149 Orchard Rd STREET	Chemical Industry	Under assessment	-33.884115	150.995039
CHESTER HILL	Former Orica, Chester Hill	127 Orchard ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.8869823	150.9952873
CHESTER HILL	Integrated Packaging	141 Miller STREET	Other Industry	Under assessment	-33.88471858	150.9948992
CHESTER HILL	Various industrial premises	191 Miller ROAD	Chemical Industry	Under assessment	-33.88412112	150.9947587
CHIPPENDALE	Cnr Regent Street & Wellington Street, Chippendale	Wellington STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.88668912	151.2015246
CHIPPING NORTON	Former ACR	85-107 Alfred STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.92226795	150.9586496
CHIPPING NORTON	Former Solchem (Mobil) Depot Chipping Norton	49-51 Riverside ROAD	Other Petroleum	Regulation under CLM Act not required	-33.91621314	150.9696948
CHISWICK	Former Sydney Wiremills (BHP) site	Blackwall Point ROAD	Other Industry	Regulation under CLM Act not required	-33.85131849	151.1369131
CHITTAWAY BAY	Former Caltex Chittaway Point	100 Chittaway ROAD	Service Station	Regulation under CLM Act not required	-33.32707555	151.4293546
CHULLORA	Chullora Railway Workshops	Worth STREET	Other Industry	Regulation under CLM Act not required	-33.88639388	151.0598201
CLANDULLA	Brogans Creek Quarry	Brogans Creek ROAD	Other Industry	Under assessment	-32.9851278	149.9587005
CLARENCE	Clarence Colliery	Chifley ROAD	Other Industry	Regulation under CLM Act not required	-33.46450217	150.2522729

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CLARENDON	Coles Express Clarendon Service Station	244 Hawkesbury Valley WAY	Service Station	Regulation under CLM Act not required	-33.6083729	150.7890956
CLEARFIELD	Former Pamplings Dip Site	Off Clearfield ROAD	Cattle Dip	Regulation under CLM Act not required	-29.16287185	152.882974
CLYBUCCA	BP Service Station	2171 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.93845014	152.9422791
CLYDE	4 Tennyson Street, Clyde NSW 2142	4 Tennyson STREET	Other Industry	Regulation under CLM Act not required	-33.83268843	151.0267361
CLYDE	7-Eleven Clyde	3 Parramatta Road, corner Harbord STREET	Service Station	Regulation under CLM Act not required	-33.83494433	151.0222628
COBAR	Caltex Service Station	Lot 10 Railway PARADE	Service Station	Regulation under CLM Act not required	-31.49350124	145.8442372
COBAR	Caltex Service Station Cobar	99 Marshall (formerly Cnr Barrier Highway and Bathurst Street) STREET	Service Station	Regulation under CLM Act not required	-31.49631924	145.8275727
COBAR	Former Caltex (Bogas) Service Station Cobar	56-58 Marshall STREET	Service Station	Regulation under CLM Act not required	-31.49793339	145.8346684
COBAR	Mckinnons Gold Mine	Cobar ROAD	Metal Industry	Regulation under CLM Act not required	-31.78179755	145.693
COFFS HARBOUR	Aussitel Backpackers Hostel	312 Harbour DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-30.30585731	153.131645
COFFS HARBOUR	BP Service Station	134-136 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-30.29187037	153.1182106
COFFS HARBOUR	Caltex Service Station	157 Orlando STREET	Service Station	Regulation under CLM Act not required	-30.28975334	153.1306354
COFFS HARBOUR	Coffs Harbour Slipway	38 Marina DRIVE	Other Industry	Regulation under CLM Act not required	-30.30325637	153.1441437
COFFS HARBOUR	Dan Murphy's Coffs Harbour	10 Elbow STREET	Service Station	Regulation under CLM Act not required	-30.29439262	153.115069
COFFS HARBOUR	Mobil Coffs Harbour Airport	Aviation DRIVE	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.313385	153.1175018

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COFFS HARBOUR	Mobil Service Station	314-316 Harbour DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-30.3056983	153.131966
COFFS HARBOUR	Woolworths Petrol	Park Beach Plaza, Arthur STREET	Service Station	Regulation under CLM Act not required	-30.28101154	153.132027
COLEAMBALLY	Former Mobil Coleambally Depot	19 Bencubbin AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.80279552	145.8945239
COLLARENEBRI	Former Shell Depot	Corner Narran Street and Queen STREET	Other Petroleum	Regulation under CLM Act not required	-29.54114772	148.5789365
COLONGRA	Endeavour Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLONGRA	Munmorah Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLYTON	Coles Express (former Ampol) Service Station	86-88 Great Western HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.77552363	150.7953105
CONCORD	Caltex Service Station	89 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.86785624	151.0993769
CONCORD WEST	Caltex Service Station - 369 -375 Concord Road, Concord West	369-375 Concord ROAD	Service Station	Regulation under CLM Act not required	-33.84113835	151.0888843
CONDOBOLIN	BP-Branded Service Station	38 Denison Street, corner Molong STREET	Service Station	Regulation under CLM Act not required	-33.08520378	147.1524976
CONDOBOLIN	Former Ampol Depot	Cnr Parkes Road and Goobang STREET	Service Station	Regulation under CLM Act not required	-33.08034753	147.1642436
CONDOBOLIN	Former Caltex Depot	Parkes ROAD	Service Station	Regulation under CLM Act not required	-33.08255593	147.1585922
CONDOBOLIN	Former Mobil Depot	6 Burnett STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.08010515	147.1642972
CONDOBOLIN	Mobil Condobolin Depot Railway Siding	Railway Siding behind 6 Burnett STREET	Other Petroleum	Regulation under CLM Act not required	-33.08058612	147.164225
CONSTITUTION HILL	Sydney Water Land	Caloola ROAD	Unclassified	Regulation under CLM Act not required	-33.79781738	150.9697436

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COOGEE	Caltex Coogee Service Station	146-148 Coogee Bay Road, corner Mount STREET	Service Station	Regulation under CLM Act not required	-33.91989232	151.2517454
COOKS HILL	Former Council Depot Cooks Hill	152 Bruce Street and 115 Corlette STREET	Other Industry	Regulation under CLM Act not required	-32.93525537	151.7641074
COOLAC	Coolac Service Station	Corner Hume Highway and Coleman STREET	Service Station	Regulation under CLM Act not required	-34.95435052	148.1595525
COOLAH	BP Depot (Reliance Petroleum)	72 (formerly 17-23) Cunningham STREET	Other Petroleum	Regulation under CLM Act not required	-31.82275896	149.7243171
COOLONGLOOK	Caltex Service Station	Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-32.21648325	152.322813
COOMA	Caltex Cooma Service Station	44 Sharp Street, corner Baron STREET	Service Station	Regulation under CLM Act not required	-36.23323489	149.1304134
COOMA	Former Caltex Cooma Depot	2 Short STREET	Service Station	Regulation under CLM Act not required	-36.2338672	149.1348862
COOMA	Former Mobil Cooma Depot	2 Commissioner STREET	Other Petroleum	Regulation under CLM Act not required	-36.23266081	149.1346674
COOMA	Former Shell Depot	48-50 Bradley STREET	Other Petroleum	Regulation under CLM Act not required	-36.23448955	149.1347987
COOMA	Former Shell Service Station	48-52 Sharp STREET	Service Station	Contamination formerly regulated under the CLM Act	-36.23350402	149.1299514
COOMA	Lowes Petroleum Cooma Depot and Service Station (Former BP Reliance Petroleum)	2-4 Sharp STREET	Other Petroleum	Regulation under CLM Act not required	-36.22819468	149.1357696
COOMA	Woolworths Caltex Cooma Service Station	Bombala Street Cnr Massie STREET	Service Station	Regulation under CLM Act not required	-36.23364626	149.1267469
COONABARABRAN	Caltex Service Station	Cnr Dawson & Drummond STREET	Service Station	Regulation under CLM Act not required	-31.26994941	149.28183
COONABARABRAN	Caltex Service Station	85-87 John STREET	Service Station	Regulation under CLM Act not required	-31.27231215	149.2771297
COONABARABRAN	Former Mobil Depot	49 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-31.27096226	149.2818461



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COONABARABRAN	Former Shell Coonabarabran CVRO	Corner Cowper St and Dawson St, formerly 51 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-31.27003745	149.281788
COONABARABRAN	Shell Coles Express Service Station	2-6 John STREET	Service Station	Regulation under CLM Act not required	-31.27706775	149.27836
COONAMBLE	Caltex Service Station	Quambone ROAD	Service Station	Regulation under CLM Act not required	-30.95410067	148.3792167
COONAMBLE	Former Shell Coonamble Depot	Corner Aberford Street and Quambone ROAD	Other Petroleum	Regulation under CLM Act not required	-30.95349182	148.3793432
COORANBONG	Avondale Auto Centre	679 Freemans DRIVE	Service Station	Regulation under CLM Act not required	-33.06968809	151.4636293
COORANBONG	Former Poultry Farm - 91 Alton Road, Cooranbong	64 - 98 Alton ROAD	Unclassified	Regulation under CLM Act not required	-33.06860138	151.4512156
COOTAMUNDRA	Caltex Service Station	26-34 Hovell STREET	Service Station	Regulation under CLM Act not required	-34.63624703	148.0347479
COOTAMUNDRA	Cootamundra Gasworks	140-146 Hovell STREET	Gasworks	Contamination currently regulated under CLM Act	-34.64572841	148.0255049
COOTAMUNDRA	Former Amoco Depot	68-72 Hovell STREET	Other Petroleum	Contamination currently regulated under CLM Act	-34.63871124	148.0321134
COOTAMUNDRA	Former Ampol Cootamundra Rail Siding	Back Brawlin ROAD	Other Petroleum	Regulation under CLM Act not required	-34.65326425	148.0143068
COOTAMUNDRA	Former Ampol Service Station	72 Parker STREET	Service Station	Regulation under CLM Act not required	-34.63471008	148.0296112
COOTAMUNDRA	Former BP Depot	1-5 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.62915841	148.0306962
COOTAMUNDRA	Former Caltex Depot	219 Sutton STREET	Other Petroleum	Regulation under CLM Act not required	-34.65126548	148.0145283
CORAMBA	Martin Street	End of Martin Street and adjacent car park OTHER	Service Station	Ongoing maintenance required to manage residual contamination (CLM Act)	-30.22125208	153.0156997
CORNWALLIS	532 Cornwallis Road, Cornwallis	532 Cornwallis ROAD	Other Industry	Regulation under CLM Act not required	-33.57473895	150.7792839

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COROWA	Cignall Corowa	280 Hume STREET	Service Station	Under preliminary investigation order	-36.00996015	146.3760437
COROWA	Corowa Shire Council Works Depot	24 Poseidon ROAD	Other Petroleum	Regulation under CLM Act not required	-35.98807923	146.3652266
COROWA	Former Ampol Corowa	10 Bow STREET	Service Station	Regulation under CLM Act not required	-35.99364786	146.3901259
CORRIMAL	7-Eleven Corrimal	138-146 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.36986818	150.8978241
CORRIMAL	Woolworths Petrol - Corrimal	275 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.37527426	150.8962637
COWRA	Cowra Residential Site	32 Brougham STREET	Landfill	Under assessment	-33.8389659	148.6963482
COWRA	Former Gasworks	30 Brougham STREET	Gasworks	Contamination currently regulated under CLM Act	-33.8389659	148.6963482
COWRA	Landmark Fertiliser Storage Facility	Corner Young Road & Waratah STREET	Chemical Industry	Regulation under CLM Act not required	-33.84321832	148.6722578
COWRA	Lowes Petroleum (former BP Cowra Depot)	12 Campbell STREET	Other Petroleum	Regulation under CLM Act not required	-33.83803706	148.6977873
COWRA	Shell Depot	34 Brougham STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.83913341	148.6973491
CRANGAN BAY	Former Service Station	555 and 565 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.17306517	151.6084446
CREMORNE	Shell Coles Express Service Station	225 Military ROAD	Service Station	Regulation under CLM Act not required	-33.83063306	151.226223
CRESTWOOD	Former BP Queanbeyan	64 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34646177	149.2246263
CRESTWOOD	Former Caltex Depot Queanbeyan	36 Kendall (Cnr Stephens Rd) AVENUE	Other Petroleum	Regulation under CLM Act not required	-35.34615546	149.207807
CROMER	Former Roche Products Dee Why Facility	100 South Creek ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.73893118	151.2870389

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CRONULLA	Breen Holdings	Bate Bay ROAD	Other Industry	Regulation under CLM Act not required	-34.03861737	151.1614114
CROWS NEST	Caltex Service Station	111-121 Falcon STREET	Service Station	Regulation under CLM Act not required	-33.82868236	151.2060317
CROYDON	BP Ashfield	584 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.87399409	151.1267296
CROYDON	Caltex Service Station	404-410 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88853994	151.115879
CROYDON PARK	Mobil Service Station	334 Georges River ROAD	Service Station	Regulation under CLM Act not required	-33.89771626	151.0999194
CULCAIRN	Caltex Service Station	2883 Olympic HIGHWAY	Service Station	Regulation under CLM Act not required	-35.67441635	147.0356845
CULLEN BULLEN	Baal Bone Colliery	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.27193875	150.0587194
CUNDELTOWN	Caltex Service Station (1 Manning River Drive)	Old Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-31.89329598	152.5068225
CURL CURL	John Fisher Park	Corner Harbord and Abbott ROADS	Landfill	Regulation under CLM Act not required	-33.76622613	151.2860705
DACEYVILLE	Astrolabe Park	Cook AVENUE	Landfill	Regulation under CLM Act not required	-33.92963704	151.221773
DAPTO	7-Eleven Dapto	125 Princes HIGHWAY	Service Station	Under assessment	-34.4983106	150.7912911
DAPTO	Nicheinvest Pty Ltd (Former service station)	133-139 Lakelands DRIVE	Service Station	Regulation under CLM Act not required	-28.504353	153.527028
DAPTO	RailCorp Dapto	(Rear of property) 12-14 Hamilton STREET	Other Industry	Regulation under CLM Act not required	-34.50045405	150.787353
DARLINGHURST	18-28 Neild Avenue, Darlinghurst	18-28 Neild AVENUE	Landfill	Regulation under CLM Act not required	-33.87876581	151.2276546
DARLINGHURST	Cross City Tunnel	Riley Street and William STREET	Service Station	Contamination was addressed via the planning process (EP&A Act)	-33.87424636	151.2158305

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DARLINGHURST	Proposed Retail Unit	139-155 Palmer STREET	Unclassified	Regulation under CLM Act not required	-33.87504688	151.2168106
DEE WHY	Caltex Service Station	793-797 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.74566596	151.2920719
DEE WHY	Dee Why Town Centre	Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.753169	151.2875805
DEE WHY	United Dee Why	148 Pacific Parade STREET	Service Station	Contamination currently regulated under CLM Act	-33.75569536	151.295963
DEE WHY	United Dee Why Pittwater	625 Pittwater (Cnr Mooramba Road) ROAD	Service Station	Under assessment	-33.7559565	151.2826053
DENHAM COURT	Denham Court Caravan Park and Service Station	505 Campbelltown ROAD	Service Station	Contamination currently regulated under CLM Act	-33.98208395	150.8459471
DENILIQUIN	BP Depot (Reliance Petroleum)	125 - 127 Hardinge STREET	Service Station	Regulation under CLM Act not required	-35.53222124	144.9517397
DENILIQUIN	Former Deniliquin Caltex Depot	116-118 Hardinge (Cnr Wood St) STREET	Service Station	Regulation under CLM Act not required	-35.53196985	144.9544597
DENILIQUIN	Former Deniliquin Gasworks	365, 369 and 329-331 George and 380 and 386 Charlotte STREET	Gasworks	Under assessment	-35.52670898	144.9634996
DENILIQUIN	Former Shell Depot	143-147 Napier STREET	Other Petroleum	Regulation under CLM Act not required	-35.5342355	144.953169
DENILIQUIN	Landmark Fertiliser Storage Facility	99-101 Davidson STREET	Chemical Industry	Regulation under CLM Act not required	-35.52534735	144.975142
DENILIQUIN	Previous Council depot site	392 - 394 Hay ROAD	Unclassified	Under assessment	-35.51888562	144.977968
DENILIQUIN	Shell Coles Express Service Station	336 Victoria STREET	Service Station	Contamination formerly regulated under the CLM Act	-35.52373613	144.9807345
DENMAN	Former Industrial Site	10 Fontana WAY	Metal Industry	Regulation under CLM Act not required	-32.37945456	150.6868239
DENMAN	Former Industrial Site	9 Fontana WAY	Metal Industry	Regulation under CLM Act not required	-32.37911159	150.6869866

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DORA CREEK	Former Service Station	4 Doree PLACE	Service Station	Regulation under CLM Act not required	-33.08452746	151.502415
DOUBLE BAY	64 Suttie Road, Double Bay NSW 2028	64 Suttie ROAD	Other Industry	Regulation under CLM Act not required	-33.88449649	151.2472734
DOYALSON	Mannerling Colliery (formerly Wyee)	Rutleys ROAD	Other Industry	Regulation under CLM Act not required	-33.17179576	151.5419248
DOYALSON	Munmorah Power Station	(Central Coast Highway) Scenic DRIVE	Other Industry	Under assessment	-33.20678347	151.540795
DOYALSON	Part Lot 3 DP 259306	Off David STREET	Other Industry	Regulation under CLM Act not required	-33.20436131	151.5232558
DOYALSON NORTH	Caltex Service Station	235 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.18501024	151.5526114
DOYALSON NORTH	Shell Coles Express Service Station	260-270 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.18636608	151.5482399
DRUMMOYNE	Caltex Service Station	191-195 Lyons ROAD	Service Station	Regulation under CLM Act not required	-33.85699216	151.1460356
DRUMMOYNE	Coles Express Service Station Drummoyne (Eastbound)	36-46 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85576628	151.1593519
DRUMMOYNE	Coles Express Service Station Drummoyne South (Westbound)	39-45 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85606575	151.1589061
DRUMMOYNE	Former Dry Cleaners	225 Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.8507152	151.1537113
DUBBO	Ampol Service Station, Dubbo	Cnr Brisbane Street and Cobra STREET	Service Station	Contamination currently regulated under CLM Act	-32.25322183	148.603164
DUBBO	BP Reliance Petroleum Service Station (Former Mobil Depot)	107 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24441287	148.6111704
DUBBO	BP-Branded Service Station Dubbo West	51-63 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.24827657	148.5927084
DUBBO	Caltex Service Station	119 Bourke STREET	Service Station	Regulation under CLM Act not required	-32.24336464	148.6091931

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DUBBO	Caltex Service Station, Dubbo	60 Windsor PARADE	Service Station	Regulation under CLM Act not required	-32.25459322	148.6318
DUBBO	Dubbo Police Station	143 Brisbane STREET	Other Petroleum	Regulation under CLM Act not required	-32.24652288	148.6034702
DUBBO	Former Ambulance Station	165 Brisbane STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-32.24850755	148.6031749
DUBBO	Former Caltex Depot	Phillip (corner Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-32.24534863	148.6150144
DUBBO	Former Mobil depot	40-44 Morgan STREET	Other Petroleum	Regulation under CLM Act not required	-32.23912277	148.6182711
DUBBO	Inland Petroleum (Former Shell) Depot	109 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24470512	148.6124108
DUBBO	Lowes Petroleum (BP-Branded) Depot, Dubbo	105 Erskine STREET	Service Station	Regulation under CLM Act not required	-32.24423247	148.6101676
DUBBO	Shell Coles Express Service Station	131-133 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.25511317	148.6126147
DUBBO	Shell Coles Express Service Station	45-49 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.2474598	148.5932769
DUBBO	United (former Volume Plus) Service Station	219-223 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.2565155	148.6228586
DUDLEY	Dudley Public School	Cnr Ocean & Boundary STREET	Landfill	Under assessment	-32.98872	151.717627
DULWICH HILL	Denison Road Playground	194 Denison ROAD	Landfill	Regulation under CLM Act not required	-33.90121956	151.1404637
DULWICH HILL	Former Tyre Recapping	115-117 Constitution ROAD	Other Industry	Regulation under CLM Act not required	-33.90300876	151.1387724
DUNEDOO	Former Shell Depot Dunedoo	Cnr Bolaro and Redbank STREET	Other Petroleum	Regulation under CLM Act not required	-32.01565761	149.3922418
DUNGOO	Former HWC Maintenance Depot for Civil Engineering Works	86 Abelard STREET	Other Industry	Regulation under CLM Act not required	-32.40429396	151.7514073



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DUNGOG	Lot 54 Common Rd	54 Common ROAD	Unclassified	Regulation under CLM Act not required	-32.39490989	151.739821
DUNMORE	Equestrian Centre	71 Fig Hill LANE	Unclassified	Regulation under CLM Act not required	-34.62313393	150.8421544
DURAL	21 John Radley Avenue, Dural	21 John Radley AVENUE	Landfill	Under assessment	-33.71718718	151.0331317
DURAL	BP Dural Service Station	580 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69569985	151.0283357
DURAL	Caltex Dural Service Station	917-923 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.68312075	151.0287519
DURAL	Caltex Service Station	530 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69348472	151.0202716
DURAL	Woolworths Service Station	532 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69348472	151.0202716
DURI	Duri Store	13 Railway AVENUE	Service Station	Contamination currently regulated under CLM Act	-31.21710021	150.8183675
EAGLE VALE	BP Service Station	Corner Eagle Vale Drive and Gould ROAD	Service Station	Regulation under CLM Act not required	-34.03128043	150.816363
EARLWOOD	2, 4 & 6 Unwin Street Earwood	2, 4 & 6 Unwin STREET	Landfill	Regulation under CLM Act not required	-33.92683761	151.149505
EARLWOOD	RTA Land	3 Jackson PLACE	Unclassified	Contamination currently regulated under CLM Act	-33.92724512	151.1433382
EARLWOOD	Wolli Creek Aqueduct	Unwin STREET	Unclassified	Regulation under CLM Act not required	-33.92788788	151.1480807
EAST BALLINA	Caltex East Ballina Service Station	34 Links AVENUE	Service Station	Regulation under CLM Act not required	-28.85009113	153.5829246
EAST GOSFORD	Hylton Moore Park	Althrop STREET	Landfill	Contamination currently regulated under CLM Act	-33.4352203	151.3601193
EAST GOSFORD	Mobil Service Station	44 Victoria STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.43804781	151.353303

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EAST GOSFORD	Presbyterian Aged Care Facility	8-18 Enid CRESCENT	Landfill	Regulation under CLM Act not required	-33.4376675	151.3577947
EAST MAITLAND	Caltex East Maitland Service Station	Newcastle Road, Corner William STREET	Service Station	Regulation under CLM Act not required	-32.74883712	151.5829296
EAST MAITLAND	Former Gasworks Site	Corner Melbourne Street and Brisbane STREET	Gasworks	Regulation under CLM Act not required	-32.74939199	151.5788783
EAST MAITLAND	United Service Station East Maitland	164 (also known as 250) Newcastle STREET	Service Station	Regulation under CLM Act not required	-32.75245246	151.5869136
EAST MAITLAND	Woolworths Caltex Green Hills	14 Mitchell DRIVE	Service Station	Regulation under CLM Act not required	-32.76182386	151.5927863
EAST TAMWORTH	Caltex Service Station	350-362 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.11401974	150.9613327
EASTERN CREEK	Caltex Service Station	M4 (Eastbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.801607	150.8857989
EASTERN CREEK	Caltex Service Station M4 Motorway Westbound	M4 (Westbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.80255701	150.8829211
EASTERN CREEK	Fulton Hogan Industries (formerly Pioneer Road Services)	Honeycomb DRIVE	Other Industry	Regulation under CLM Act not required	-33.80231274	150.8288299
EASTGARDENS	130-150 Bunnerong Road Eastgardens	130 - 150 Bunnerong ROAD	Other Industry	Regulation under CLM Act not required	-33.94230414	151.2248138
EASTLAKES	73 Gardeners Road	73 Gardeners ROAD	Unclassified	Regulation under CLM Act not required	-33.92541594	151.2182856
EASTLAKES	Budget Petroleum Eastlakes	102 Maloney STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.93120382	151.2054267
EASTLAKES	Eastlakes Reserve	Evans AVENUE	Service Station	Contamination formerly regulated under the CLM Act	-33.92497291	151.2102725
EASTLAKES	Former Shell Rosebery service station and adjacent land	275-279 Gardeners ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92471289	151.2100772
EASTWOOD	Former Mobil Service Station Eastwood	3-5 Trelawney (Cnr Rutledge St) STREET	Service Station	Regulation under CLM Act not required	-33.79273381	151.079584

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EDEN	Caltex Service Station	159 Imlay STREET	Service Station	Regulation under CLM Act not required	-37.06324099	149.9044022
EDEN	Former Caltex Eden Depot	80-82 Imlay STREET	Service Station	Contamination currently regulated under CLM Act	-37.0570984	149.9038538
EDENSOR PARK	7-Eleven (former Mobil) Service Station	615-621 Cowpasture Road, corner Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.88326139	150.865591
EDENSOR PARK	Caltex Bonnyrigg Service Station, Edensor Park	549 Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.88840816	150.8822609
EDGECLIFF	BP-branded (former Coles Express) Service Station	73-85A New South Head ROAD	Service Station	Regulation under CLM Act not required	-33.8769602	151.2311617
EDGEWORTH	Caltex Service Station	662 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92566329	151.6278888
EDGEWORTH	Caltex-Woolworths Branded Service Station Edgeworth	738-742 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92455492	151.6202897
EMERALD BEACH	Shell Coles Express Woolgoolga Service Station	1850 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.16450856	153.1826673
EMERTON	7-Eleven Emerton	135-137 Popondetta ROAD	Service Station	Regulation under CLM Act not required	-33.74463908	150.8102251
EMPIRE BAY	Empire Bay Marina	168 Sorrento ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.49305196	151.3643119
EMU HEIGHTS	7-Eleven Service Station	126 Old Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.74299098	150.6547098
EMU HEIGHTS	Woolworths Service Station	132 Old Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.7429739	150.6559655
EMU PLAINS	Woolworths Service Station	283 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.75371349	150.6530165
ENGADINE	BP Branded Service Station	963 Old Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.06428454	151.0167121
ENGADINE	BP Service Station	1234 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.07735416	151.01121

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ENGADINE	Former Caltex Service Station	995 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.06413459	151.0155734
ENNGONIA	Clara Hart Village	17 Fourth AVENUE	Landfill	Under assessment	-29.3144908	145.8540308
EPPING	7-Eleven (former Mobil) Service Station	246 Beecroft ROAD	Service Station	Regulation under CLM Act not required	-33.77073552	151.080581
ERINA	7-Eleven Erina	214 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43494257	151.3879511
ERINA	7-Eleven Service Station	96 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43786868	151.3729331
ERINA	Caltex Service Station	155 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43824871	151.3801096
ERINA	Coles Express Service Station Erina	211 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43547804	151.3850522
ERINA	Jaycar Electronics Store	1 Aston ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-33.434878	151.3845431
ERMINGTON	Blue Star Ermington	700 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80859566	151.0660133
ERMINGTON	Caltex Service Station	562 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81392814	151.0547543
ERSKINE PARK	Western Sydney Service Centre	25-55 Templar ROAD	Other Industry	Regulation under CLM Act not required	-33.81897822	150.7937394
ERSKINEVILLE	Area B - Public Domain / The Roadway	1A Coulson STREET	Other Petroleum	Regulation under CLM Act not required	-33.90499999	151.1873028
ERSKINEVILLE	Department of Housing	52 John STREET	Other Industry	Regulation under CLM Act not required	-33.8982925	151.1840284
ERSKINEVILLE	Lot 4/1A Coulson Street	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90316549	151.1867963
ERSKINEVILLE	RailCorp land	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90483899	151.1838804

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ERSKINEVILLE	Redevelopment Site (Former Industrial Park) Erskineville	36/1A Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90325501	151.1855668
EUABALONG WEST	BP Euabalong West Depot (Reliance Petroleum)	12 Illewong STREET	Other Petroleum	Regulation under CLM Act not required	-33.05720426	146.3946386
EVANS HEAD	Bundjalung National Park	The Gap ROAD	Unclassified	Regulation under CLM Act not required	-29.24433977	153.3626472
EVANS HEAD	Evans Head Aerodrome	Memorial Airport DRIVE	Other Industry	Regulation under CLM Act not required	-29.10389976	153.4216791
EVANS HEAD	Evans Head Residential subdivision	Bounded by Currajong, Woodburn, Carrabeen Streets and Tuckeroo CRESCENT	Unclassified	Regulation under CLM Act not required	-29.1080969	153.4243577
EVELEIGH	Australian Technology Park	Henderson ROAD	Other Industry	Regulation under CLM Act not required	-33.89634136	151.1944915
EVELEIGH	Macdonaldtown Triangle	Burren STREET	Gasworks	Contamination being managed via the planning process (EP&A Act)	-33.89803492	151.186059
FAIRFIELD	Endeavour Energy Fairfield Zone Substation	22 Hedges STREET	Other Industry	Regulation under CLM Act not required	-33.86133019	150.9555899
FAIRFIELD EAST	Speedway-Branded Service Station Fairfield	251 The Horsley DRIVE	Service Station	Regulation under CLM Act not required	-33.8711661	150.9630077
FAIRFIELD HEIGHTS	7-Eleven Fairfield Heights	234 Hamilton (Cnr The Boulevard) ROAD	Service Station	Regulation under CLM Act not required	-33.87208474	150.9373134
FAIRY MEADOW	Caltex Fuel Depot and adjoining land	46 Montague STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.40050499	150.8953125
FAIRY MEADOW	Deynal (Seeman)	51-59 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39437085	150.8924666
FAIRY MEADOW	Woolworths Petrol Service Station	47 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39399705	150.8925369
FARLEY	Farley Wastewater Treatment Works	Owlpen LANE	Other Industry	Regulation under CLM Act not required	-32.74431314	151.5194217
FASSIFERN	Former Arsenic Smelter	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.99649819	151.5618283

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FASSIFERN	Newstan Colliery	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.97942521	151.5660046
FEDERAL	Federal General Store	3-6 Federal DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-28.65190728	153.4552976
FENNELL BAY	Fennell Bay Public School	2 Bay ROAD	Unclassified	Under assessment	-32.99152231	151.6014923
FERN BAY	Former service station	37 Fullerton (1006 Nelson Bay Road) STREET	Service Station	Regulation under CLM Act not required	-32.87245004	151.7939904
FIVE DOCK	7-Eleven Five Dock Service Station	231-235 Great North ROAD	Service Station	Regulation under CLM Act not required	-33.86488376	151.130002
FIVE DOCK	Caltex Five Dock Service Station	47 Ramsay Road, corner Fairlight STREET	Service Station	Regulation under CLM Act not required	-33.87002804	151.1301835
FORBES	BP (Former Mobil) Depot Forbes	3-15 Union STREET	Other Petroleum	Regulation under CLM Act not required	-33.37751977	148.0101422
FORBES	BP Service Station Forbes	29 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38121776	148.0100351
FORBES	Caltex Service Station Forbes	Parkes ROAD	Service Station	Regulation under CLM Act not required	-33.36333714	148.0223727
FORBES	Former Gasworks	24-26 Union STREET	Gasworks	Contamination currently regulated under CLM Act	-33.37752036	148.0090064
FORBES	Former Shell Depot	Stephen STREET	Other Petroleum	Regulation under CLM Act not required	-33.37704755	148.0103001
FORBES	Woolworths (Former Save on Fuel) Service Station	26 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38148764	148.0109845
FORESTVILLE	BP Service Station, Forestville	632 Warringah ROAD	Service Station	Contamination currently regulated under CLM Act	-33.75997969	151.2142944
FORESTVILLE	Shell Service Station	667 Warringah ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.76035336	151.2184929
FORRESTER'S BEACH	Caltex Service Station	The Entrance Rd Cnr Bellevue ROAD	Service Station	Regulation under CLM Act not required	-33.40057818	151.4687631



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FORSTER	Caltex Service Station	16-18 Lake STREET	Service Station	Regulation under CLM Act not required	-32.18306967	152.5162492
FORSTER	Enhance (Former Mobil) Service Station	86-88 Macintosh STREET	Service Station	Regulation under CLM Act not required	-32.19079468	152.5154847
FORSTER	Shell (Kneebone's) Service Station	2-6 The Lakes WAY	Service Station	Regulation under CLM Act not required	-32.1946108	152.5145662
FREDERICKTON	Former Service station	2-4 Great North ROAD	Service Station	Regulation under CLM Act not required	-31.03513998	152.8794105
FRENCHS FOREST	Former 7-Eleven / Mobil Beacon Hill Service Station, Frenchs Forest	312 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.75129647	151.2469656
FRENCHS FOREST	Former BP Service Station	Russell AVENUE	Service Station	Regulation under CLM Act not required	-33.75018093	151.2245005
FRESHWATER	Former Dry Cleaners	121 Wyndora AVENUE	Other Industry	Regulation under CLM Act not required	-33.77425321	151.2821553
FRESHWATER	Prime Service Station Freshwater	117 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.77286748	151.2794354
GATESHEAD	7-Eleven Gateshead	13-15 Pacific HIGHWAY	Service Station	Under assessment	-32.98743366	151.6923984
GEORGETOWN	Former Caltex Service Station	4 Georgetown ROAD	Service Station	Regulation under CLM Act not required	-32.91121105	151.7319693
GERRINGONG	Gerringong Cooperative	18 Belinda STREET	Other Petroleum	Regulation under CLM Act not required	-34.74518835	150.8181054
GILGANDRA	Caltex Service Station Gilgandra	6425 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-31.72545524	148.65281
GILGANDRA	Former Mobil Depot	2 Federation STREET	Other Petroleum	Regulation under CLM Act not required	-31.70937362	148.6522102
GILGANDRA	Former Mobil Depot	20 Federation STREET	Other Petroleum	Regulation under CLM Act not required	-31.70771744	148.6514198
GILGANDRA	United (Former Mobil) Service Station	13 Castlereagh STREET	Service Station	Regulation under CLM Act not required	-31.71715641	148.6581574

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GILLENBAH	Caltex (Former Mobil) Narrandera Service Station	16321 - 16335 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-34.76124219	146.5398604
GIRRAWEE	Caltex Pendle Hill Service Station Girraween	602 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80827518	150.9421511
GIRRAWEE	Industrial Galvanizers Girraween	20-22 Amax AVENUE	Metal Industry	Regulation being finalised	-33.80500693	150.9396743
GLADESVILLE	Caltex Service Station	287-295 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8285374	151.1268639
GLADESVILLE	Caltex Service Station	116 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.83575319	151.1277863
GLADESVILLE	Glade View Business Park	436-484 Victoria ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82382382	151.1223941
GLADESVILLE	Road Reserve	Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.81603924	151.1355085
GLADSTONE	Barbers Auto Port	52-53 Barnard STREET	Service Station	Under assessment	-31.02313668	152.9481617
GLEBE	The Hill and Jubilee Embankment	12 Maxwell ROAD	Other Industry	Regulation under CLM Act not required	-33.87573032	151.1776027
GLEN INNES	Ambulance Station	106 Bourke STREET	Unclassified	Regulation under CLM Act not required	-29.73805854	151.7313138
GLEN INNES	Caltex Glen Innes Paddock	9979 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-29.75608853	151.7344106
GLEN INNES	Caltex Glen Innes Service Station	Meade Street, corner Church STREET	Service Station	Regulation under CLM Act not required	-29.73699014	151.7379335
GLEN INNES	Caltex Service Station	Cnr Taylor Street & Church STREET	Service Station	Regulation under CLM Act not required	-29.73289036	151.739653
GLEN INNES	Council-owned Laneway	Lot 2 Lang STREET	Gasworks	Regulation under CLM Act not required	-29.74385432	151.7323049
GLEN INNES	Former Caltex Depot, Glen Innes	Lot 1 DP785636 Lambeth STREET	Other Petroleum	Regulation under CLM Act not required	-29.73525485	151.7279167

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GLEN INNES	Former Shell Depot	Lambeth STREET	Other Petroleum	Regulation under CLM Act not required	-29.7376309	151.7276309
GLEN INNES	Telstra Depot Glen Innes	126 Lambeth STREET	Unclassified	Regulation under CLM Act not required	-29.73565341	151.7278271
GLENBROOK	Caltex Service Station Glenbrook	78 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76545234	150.6215447
GLENDALE	Coles Express Glendale	593 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92709242	151.637946
GLENDALE	Former Service Station	334-342 Lake ROAD	Unclassified	Regulation under CLM Act not required	-32.92775076	151.6433463
GLENDALE	Settlement Pond	65 Glendale DRIVE	Unclassified	Regulation under CLM Act not required	-32.93411399	151.6483695
GLENDALE	Woolworths Service Station	Stockland DRIVE	Service Station	Regulation under CLM Act not required	-32.93250548	151.6404097
GLENDENNING	7-Eleven Plumpton Service Station Glendenning	1 Dublin Street, corner Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.73988232	150.8603323
GLENORIE	Caltex Glenorie Service Station	912 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.60550946	151.0126731
GLENTHORNE	Caltex Taree Service Station	Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.94415251	152.4703511
GLOUCESTER	Caltex Service Station	141 Church STREET	Service Station	Regulation under CLM Act not required	-32.01222514	151.9579521
GOOLMANGAR	Goolmangar General Store	851 Nimbin ROAD	Service Station	Regulation under CLM Act not required	-28.74694441	153.225401
GOONELLABAH	Former Invercauld Road Cattle Dip	161 Invercauld ROAD	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.83098216	153.3097337
GOSFORD	United (former Mobil) Depot	Corner Merinee Road and Bowen CRESCENT	Other Petroleum	Regulation under CLM Act not required	-33.41523225	151.3257069
GOULBURN	Caltex Depot	13 Sloane STREET	Other Petroleum	Regulation under CLM Act not required	-34.77423152	149.7088626

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GOULBURN	Caltex Service Station	72-74 Clinton STREET	Service Station	Regulation under CLM Act not required	-34.75728157	149.7135824
GOULBURN	Caltex Service Station	68 Goldsmith STREET	Service Station	Regulation under CLM Act not required	-34.75054432	149.7192098
GOULBURN	Caltex Service Station	315 Auburn, corner Bradley STREET	Service Station	Regulation under CLM Act not required	-34.74942293	149.7232692
GOULBURN	Coles Express Service Station	90 Cowper (Corner Clinton Street) STREET	Service Station	Regulation under CLM Act not required	-34.75566648	149.7107831
GOULBURN	Former Goulburn Gasworks	1 Blackshaw ROAD	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.75313166	149.725032
GOULBURN	Former Mobil Service Station Goulburn	422-426 Auburn STREET	Service Station	Regulation under CLM Act not required	-34.74869879	149.7229392
GOULBURN	Former Shell Autoport Service Station	Corner Bruce Street and Lagoon STREET	Service Station	Regulation under CLM Act not required	-34.74807885	149.7266246
GOULBURN	Goulburn JS Hollingworth & Wheat Siding Yards	Goulburn STREET	Other Industry	Under assessment	-34.7692435	149.7116195
GOULBURN	Goulburn Roundhouse	12 Braidwood ROAD	Other Industry	Under assessment	-34.77409903	149.7106462
GOULBURN	Goulburn Tannery	13 Gibson STREET	Other Industry	Regulation under CLM Act not required	-34.73756525	149.72059
GOULBURN	Metro Goulburn Depot	23 Braidwood ROAD	Other Petroleum	Regulation under CLM Act not required	-34.76217302	149.7170897
GOULBURN	Mobil Service Station	129 Lagoon STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.74618793	149.7330484
GRAFTON	BP Service Station (Reliance Petroleum)	14 Villiers (Cnr Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-29.69345456	152.9373123
GRAFTON	Caltex Service Station	Corner Villiers St and Fitzroy STREET	Service Station	Regulation under CLM Act not required	-29.69296308	152.9366431
GRAFTON	Caltex Service Station	179 Prince STREET	Service Station	Regulation under CLM Act not required	-29.68600117	152.9371093

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRAFTON	Former BP Service Station (Reliance Petroleum)	202 Queen STREET	Service Station	Regulation under CLM Act not required	-29.67645469	152.9423977
GRAFTON	Former General Store and Service Station Grafton	161 Turf STREET	Service Station	Regulation under CLM Act not required	-29.67412811	152.9336609
GRAFTON	Former Mobil Depot Grafton	2-16 Bruce STREET	Other Petroleum	Regulation under CLM Act not required	-29.68093591	152.9231289
GRAFTON	Former Shell Depot	2 Milton STREET	Other Petroleum	Regulation under CLM Act not required	-29.67723019	152.9205374
GRAFTON	Grafton Works Depot	26-28 Bruce STREET	Other Petroleum	Regulation under CLM Act not required	-29.67975507	152.9249357
GRAFTON	Lowes Petroleum (BP-Branded) Depot, Grafton	13 Orara STREET	Other Petroleum	Regulation under CLM Act not required	-29.67016421	152.918161
GRAFTON	Woolworths Petrol	75 - 77 Fitzroy Street Cnr of Duke STREET	Service Station	Regulation under CLM Act not required	-29.69221713	152.9343562
GRANVILLE	7-Eleven Service Station	154-160 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.83022685	151.0101322
GRANVILLE	A'Becketts Creek	Albert STREET	Unclassified	Contamination currently regulated under POEO Act	-33.82735776	151.0112255
GRANVILLE	Australand	15-17 Berry STREET	Other Industry	Regulation under CLM Act not required	-33.83600073	151.0211988
GRANVILLE	Caltex Service Station	144 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.83039605	151.0109216
GRANVILLE	Commercial Property	2B Factory STREET	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84173556	151.0165687
GRANVILLE	Old Granville Depot	23 Elizabeth STREET	Unclassified	Regulation under CLM Act not required	-33.83765925	151.008528
GRANVILLE	Woolworths Service Station Granville	158 Clyde STREET	Service Station	Regulation under CLM Act not required	-33.84623338	151.0124885
GREEN POINT	7-Eleven Green Point	388-390 Avoca DRIVE	Service Station	Under assessment	-33.46259832	151.3639376

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GREENACRE	7-Eleven (former Mobil) Service Station	301-305 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90524488	151.0419971
GREENACRE	Caltex Service Station	87 - 91 Roberts ROAD	Service Station	Regulation under CLM Act not required	-33.90461089	151.0648581
GREENACRE	Coles Greenacre	13-19 Boronia ROAD	Other Industry	Regulation under CLM Act not required	-33.9061123	151.0561759
GREENACRE	Former Plating Works	12 Claremont STREET	Unclassified	Regulation under CLM Act not required	-33.89992254	151.0386128
GREENWICH	Gore Creek Reserve - Drainage Line	St Vincents ROAD	Other Industry	Regulation under CLM Act not required	-33.82888693	151.1819101
GRENFELL	Former SRA Fuel Depot	Grafton STREET	Other Petroleum	Regulation under CLM Act not required	-33.89351237	148.1560188
GRENFELL	Grenfell Gasworks	Corner Gooloogong Road & Bourke STREET	Gasworks	Regulation under CLM Act not required	-33.89006016	148.1615443
GRETA	Coles Express Greta	122 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.67656357	151.3872818
GRETA	Former landfill	Hollingshed ROAD	Landfill	Regulation under CLM Act not required	-32.66705287	151.3923474
GRETA	redevelopment site	112-114 High STREET	Other Industry	Regulation under CLM Act not required	-32.67706709	151.3876682
GREYSTANES	Metro Branded (former Mobil) Service Station	73 Ettalong ROAD	Service Station	Regulation under CLM Act not required	-33.81822648	150.9513946
GRIFFITH	Belford Petroleum (former Mobil) Depot	30 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.29042827	146.0595497
GRIFFITH	Caltex Service Station and Depot	2-4 Mackay AVENUE	Service Station	Regulation under CLM Act not required	-34.2908766	146.0630815
GRIFFITH	Former Ampol Depot	32-34 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2933331	146.0679503
GRIFFITH	Former BP Service Station (Reliance Petroleum)	81 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.28851251	146.0540815

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRIFFITH	Former Landmark Fertiliser Storage Facility	2-8 Jensen ROAD	Chemical Industry	Regulation under CLM Act not required	-34.29365599	146.0536413
GRIFFITH	Former Murrumbidgee Irrigation Depot	55-77 Banna AVENUE	Other Industry	Regulation under CLM Act not required	-34.28858242	146.0567509
GRIFFITH	Liberty Depot (former Shell CVRO) Griffith	6-10 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2910045	146.063824
GRIFFITH	Mobil Depot - Griffith Airport	Off Remembrance DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.25618872	146.0620449
GUILDFORD	7-Eleven Service Station Guildford West	176 Fowler ROAD	Service Station	Regulation under CLM Act not required	-33.85149493	150.9722491
GULGONG	Lowes Petroleum (former BP) Depot Gulgong	6 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-32.35950625	149.5461499
GULGONG	The Oval Site	Queen STREET	Unclassified	Regulation under CLM Act not required	-32.36169815	149.531075
GULMARRAD	BP Service Station Maclean	3976 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-29.48537407	153.2004311
GUMLY GUMLY	Brick Kiln Reserve	Eunony Bridge ROAD	Landfill	Regulation under CLM Act not required	-35.12098411	147.4196309
GUMLY GUMLY	Caltex Service Station	3723 Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-35.13590309	147.4424551
GUNDAGAI	Former Mobil Depot	98 Mount STREET	Other Petroleum	Regulation under CLM Act not required	-35.08206783	148.096221
GUNNEDAH	Adjacent to Service Station	Intersection of Henry Street and Conadilly STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.98072588	150.2582802
GUNNEDAH	Ampol Australia Petroleum Pty Ltd (previously Caltex Australia)	21 Abbott STREET	Service Station	Regulation under CLM Act not required	-30.98021001	150.2561856
GUNNEDAH	BP Depot Gunnedah	103 Mathias ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-30.96665001	150.2326526
GUNNEDAH	BP Service Station	Corner Conadilly Street & Henry STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.98116266	150.2583066



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GUNNEDAH	Former Caltex Depot	61 Railway AVENUE	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.97953242	150.2494457
GUNNEDAH	Former Shell Depot Gunnedah	85-89 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97949284	150.2507401
GUNNEDAH	Former Telstra Line Depot	81 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97933809	150.2503121
GUNNEDAH	Mobil Gunnedah Depot	16-24 Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-30.98428725	150.260609
GUNNEDAH	Mobil Service Station	341 Conadilly STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.9807394	150.2578428
GUNNEDAH	Property NSW Site	35-37 Abbott STREET	Other Petroleum	Regulation under CLM Act not required	-30.9789841	150.25737
GUNNING	Gunning Motors	56 Yass STREET	Service Station	Regulation under CLM Act not required	-34.78159326	149.2684791
GUYRA	Caltex-branded Service Station	4352 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.20601937	151.6757291
GUYRA	Guyra Fourways Service Centre	87-89 Bradley STREET	Service Station	Regulation under CLM Act not required	-30.21728173	151.6722825
GUYRA	StateRail land leased to Incitec	Starr ROAD	Other Industry	Regulation under CLM Act not required	-30.23157011	151.6707135
GWANDALAN	Former Gwandalan Landfill	Kanangra DRIVE	Landfill	Regulation under CLM Act not required	-33.17497722	151.5917107
GWANDALAN	Metro Petroleum Gwandalan (Formerly Gwandalan Auto Care)	47 Orana ROAD	Service Station	Regulation under CLM Act not required	-33.13632941	151.5813396
GYMEA	7-Eleven (former Mobil) GyMEA Service Station	110 GyMEA Bay ROAD	Service Station	Regulation under CLM Act not required	-34.03745848	151.0848547
GYMEA	Coles Express Kirrawee	470 Princes (Cnr The Boulevard) HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.02735302	151.0845079
GYMEA	Former Shell Service Station GyMEA	GyMEA Bay ROAD	Service Station	Regulation under CLM Act not required	-34.04129676	151.0841328

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HABERFIELD	7-Eleven Haberfield	25-35 Parramatta ROAD	Service Station	Contamination currently regulated under CLM Act	-33.88794591	151.14287
HALEKULANI	Former Halekulani Landfill	Macleay DRIVE	Landfill	Regulation under CLM Act not required	-33.21446301	151.5527625
HAMILTON	Caltex Hamilton	59-63 Tudor STREET	Service Station	Regulation under CLM Act not required	-32.92498593	151.7509313
HAMILTON	Hamilton Bus Depot	Cnr Denison Street and Gordon AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.92687413	151.7501743
HAMILTON	Newcastle Toyota	65 Tudor STREET	Other Petroleum	Regulation under CLM Act not required	-32.925171	151.7504048
HAMILTON	SRA Land	10 Maitland ROAD	Unclassified	Regulation under CLM Act not required	-32.91994358	151.7512417
HAMILTON	Taxi Services	116 Tudor STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.92351606	151.7454742
HAMILTON NORTH	Former Black and Decker Site	56 Clyde STREET	Metal Industry	Contamination currently regulated under CLM Act	-32.91080413	151.7358236
HAMILTON NORTH	Former ELMA Site	54 Clyde STREET	Other Industry	Contamination currently regulated under CLM Act	-32.91145768	151.7367691
HAMILTON NORTH	Hamilton Gasworks	1 Chatham ROAD	Gasworks	Contamination currently regulated under CLM Act	-32.91362741	151.7406241
HAMILTON NORTH	Shell Newcastle Terminal	5 Chatham ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-32.91630469	151.7408712
HARDEN	South West Fuel Harden	294 Albury STREET	Service Station	Regulation under CLM Act not required	-34.55007021	148.3513821
HARDEN	SRA Site	31 Aurvill ROAD	Unclassified	Regulation under CLM Act not required	-34.54998656	148.3689577
HARDEN	SRA Site	51 Whitton LANE	Unclassified	Contamination formerly regulated under the CLM Act	-34.55396035	148.3713349
HAROLDS CROSS	Lot 59, Vernelly Road, Harolds Cross NSW 2622	Lot 59, Vernelly ROAD	Other Industry	Regulation under CLM Act not required	-35.55528436	149.5560649

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HARRIS PARK	Dalley Street Reserve	2A Dalley STREET	Other Industry	Regulation under CLM Act not required	-33.82749123	151.0097539
HARTLEY VALE	Former Shale Oil Refinery	Lot 52 Hartley Vale ROAD	Unclassified	Contamination currently regulated under CLM Act	-33.52766912	150.2417878
HASTINGS POINT	Coles Express Hastings Point	99 Tweed Coast ROAD	Service Station	Regulation under CLM Act not required	-28.36914103	153.5725676
HAY	Former Mobil Depot Hay	397-399 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50019184	144.8456578
HAY	Former Shell Hay Depot	391 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50028195	144.8463999
HAY	SRA Land	429, 431, 435, 437 & 439 Murray STREET	Other Industry	Regulation under CLM Act not required	-34.49965611	144.840976
HAY	SRA Land	443 Murray STREET	Other Industry	Contamination formerly regulated under the CLM Act	-34.49966753	144.8410778
HAY SOUTH	Caltex Service Station	429-431 Moama STREET	Service Station	Regulation under CLM Act not required	-34.52001427	144.8380121
HAZELBROOK	Caltex Service Station Hazelbrook	198 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72106175	150.4520976
HEATHCOTE	Caltex Service Station	1344 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08841066	151.0072048
HEATHCOTE	Caltex Service Station	1403 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.09059834	151.003752
HEATHCOTE	Shell Coles Express Service Station	1355 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08780042	151.0069741
HEATHERBRAE	Bogas (Former Caltex) Service Station	3 Speedy Lock LANE	Service Station	Regulation under CLM Act not required	-32.78057822	151.7372135
HEATHERBRAE	Shell Coles Express Motto Farm Service Station	2137 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-32.79835449	151.7176284
HEXHAM	14 Sparke St Hexham	14 Sparke STREET	Metal Industry	Under assessment	-32.85394328	151.6960863

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HEXHAM	BP Service Station (Reliance Petroleum)	Corner Pacific Highway and Old Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82756403	151.6846929
HEXHAM	Caltex Diesel Stop	360 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82844873	151.6851063
HEXHAM	Caltex-Bogas Warehouse	239 Old Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82899942	151.6861849
HEXHAM	Cummins Newcastle Facility Hexham	21 Galleghan STREET	Other Industry	Regulation under CLM Act not required	-32.83186739	151.686709
HEXHAM	Former Forgacs Site	21 Sparke STREET	Chemical Industry	Contamination currently regulated under CLM Act	-32.85464558	151.6988053
HEXHAM	Industrial Galvanizers	312 Pacific HIGHWAY	Metal Industry	Contamination currently regulated under POEO Act	-32.83457186	151.6884941
HEXHAM	QR National - Hexham Precinct	179 & 3/67 Maitland ROAD	Other Industry	Regulation under CLM Act not required	-32.83474038	151.6821895
HILLSTON	Former BP Depot Hillston	141-143 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-33.48823546	145.5381623
HOLBROOK	Caltex Truckstop	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-35.71332625	147.3207237
HOMEBUSH	Ausgrid Mason Park Substation	1 Underwood ROAD	Other Industry	Regulation under CLM Act not required	-33.85674677	151.0747044
HOMEBUSH BAY	SUEZ Waste Recycling Centre (WRC) and Cleanaway Liquid Waste Treatment Plant (LWTP)	Corner Pondage Link and Hill ROAD	Landfill	Regulation under CLM Act not required	-33.84359299	151.0593656
HOMEBUSH WEST	Caltex Service Station Homebush West	334-336 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.8581543	151.0681261
HOMEBUSH WEST	Former Ford Landfill and Adjacent Land	22 Mandemar AVENUE	Landfill	Regulation under CLM Act not required	-33.86142424	151.0625556
HORNSBY	Coles Express Hornsby	194- 206 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.7071993	151.0991452
HORNSBY	Hornsby Train Maintenance Centre	1B Stephen STREET	Other Industry	Regulation under CLM Act not required	-33.69370022	151.1035939

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HORNSBY	Midas Car Care Centre Hornsby	2A Linda STREET	Other Industry	Regulation under CLM Act not required	-33.70052215	151.1004786
HOXTON PARK	Endeavour Energy Hoxton Park	490 Hoxton Park ROAD	Other Industry	Regulation under CLM Act not required	-33.92766437	150.8689069
HUNTERS HILL	7, 9 and 11 Nelson Parade Hunters Hill	7, 9 and 11 Nelson PARADE	Other Industry	Regulation under CLM Act not required	-33.84220148	151.1649724
HUNTERS HILL	Coles Express Hunters Hill	4 Ryde ROAD	Service Station	Regulation under CLM Act not required	-33.8317985	151.141655
HUNTERS HILL	Foreshore Land	Rear of 7, 9 & 11 Nelson PARADE	Other Industry	Contamination currently regulated under CLM Act	-33.84248362	151.1649249
HURLSTONE PARK	7-Eleven Hurlstone Park	670 New Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90510388	151.1299825
HURLSTONE PARK	Former Speedway Petroleum Service Station	610 - 618 New Canterbury ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.90541228	151.1322009
HURLSTONE PARK	Former Telstra Depot	82 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90803171	151.1258121
HURSTVILLE GROVE	Moore Reserve	Morshead DRIVE	Landfill	Contamination currently regulated under CLM Act	-33.97920603	151.0873578
INGLEBURN	7-Eleven Ingleburn	72 Cumberland Road, corner Oxford ROAD	Service Station	Regulation under CLM Act not required	-34.00041505	150.8679742
INVERELL	Caltex Service Station	55-59 Ring STREET	Service Station	Regulation under CLM Act not required	-29.76204512	151.1141737
INVERELL	Former Caltex Depot Inverell	4 Edward STREET	Service Station	Regulation under CLM Act not required	-29.76123104	151.1147983
INVERELL	Former Caltex Service Station	141 Otho STREET	Service Station	Regulation under CLM Act not required	-29.77819403	151.1145699
INVERELL	Former Mobil Inverell Depot	29-33 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76135322	151.1171412
INVERELL	Former Mobil Service Station	Corner Otho Street and Henderson STREET	Service Station	Regulation under CLM Act not required	-29.7786926	151.1149921

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
INVERELL	Former Service Station	20 Oliver STREET	Service Station	Regulation under CLM Act not required	-29.77229743	151.1152692
INVERELL	Former Shell Depot	25 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76151684	151.1182033
ISLINGTON	Caltex Service Station	240 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.91138644	151.7457701
ISLINGTON	Shell Pipeline Easement (vacant land)	24 Fern STREET	Other Petroleum	Regulation under CLM Act not required	-32.91706254	151.7473809
JAMISONTOWN	7-Eleven Service Station	92 Mulgoa ROAD	Service Station	Contamination currently regulated under CLM Act	-33.7667231	150.6796488
JAMISONTOWN	BP Service Station Jamisontown	124 - 128 Mulgoa ROAD	Service Station	Regulation under CLM Act not required	-33.76978323	150.6764977
JAMISONTOWN	Former Caltex Jamisontown	229-231 Mulgoa ROAD	Service Station	Regulation under CLM Act not required	-33.76661447	150.6784735
JANNALI	Former IGA	541 Box ROAD	Other Industry	Regulation under CLM Act not required	-34.01602134	151.0660384
JANNALI	Former Mobil Service Station	121 Georges River ROAD	Service Station	Regulation under CLM Act not required	-34.01614613	151.0681921
JENNINGS	Jennings Former Arsenic Poison Factory	Duke Street, Manor Street, and Ballandean STREET	Chemical Industry	Contamination currently regulated under CLM Act	-28.929342	151.9298622
JENNINGS	United Jennings Service Station	1823 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-28.9323235	151.9260334
JESMOND	Caltex Service Station	27 Bluegum ROAD	Service Station	Regulation under CLM Act not required	-32.9029287	151.691164
JINDABYNE	BP Service Station (Reliance Petroleum)	8 Kosciuszko ROAD	Service Station	Regulation under CLM Act not required	-36.41478692	148.6178882
JINDABYNE	Caltex Service Station	50 Kosciuszko ROAD	Service Station	Regulation under CLM Act not required	-36.41395847	148.6225113
JINGELLIC	Former Jingellic School	3179 River ROAD	Other Industry	Regulation under CLM Act not required	-35.92649487	147.7010655

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
JUNEE	Junee Railway Workshops	92 Harold STREET	Other Industry	Under assessment	-34.88398375	147.5795301
JUNEE	Subdivision Proposal	5858 Gundagai ROAD	Unclassified	Regulation under CLM Act not required	-34.87783587	147.6067578
JUNEE	United Junee Service Station	No. 118-134 BROADWAY	Service Station	Regulation under CLM Act not required	-34.86808328	147.5834883
KANAHOOKA	Former Dapto Smelter Site, Kanahooka (redeveloped)	Off Kanahooka ROAD	Metal Industry	Regulation under CLM Act not required	-34.4941348	150.8224482
KANDOS	Cement Australia Kandos Cement Works	1 Jamison STREET	Other Industry	Regulation under CLM Act not required	-32.86399912	149.9779259
KANWAL	Former Bus and Truck Rental Yard	645-647 Pacific Highway HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.26233802	151.4825469
KANWAL	Kanwal General Store and Fuel Supplies and Adjacent Land	68 and part of 70 Craigie AVENUE	Service Station	Contamination currently regulated under CLM Act	-33.26310031	151.4817395
KARIONG	Caltex Service Station	Lot 2 Langford DRIVE	Service Station	Regulation under CLM Act not required	-33.43934827	151.2935447
KARIONG	Coles Express Kariong	6 Central Coast HIGHWAY	Service Station	Regulation under CLM Act not required	-33.43443192	151.2963401
KARUAH	BP Roadhouse Karuah	403 Tarean ROAD	Service Station	Regulation under CLM Act not required	-32.65371781	151.9629963
KATOOMBA	Aldi Stores	201 Katoomba STREET	Service Station	Regulation under CLM Act not required	-33.71756625	150.3101649
KATOOMBA	Former Katoomba/Laura Gasworks	Megalong STREET	Gasworks	Contamination currently regulated under CLM Act	-33.71304308	150.3194624
KELLYVILLE	BP Service Station Kellyville	19-23 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71280997	150.9590756
KELLYVILLE	Caltex Service Station	3-5 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71436125	150.9602175
KELSO	23 Zagreb Street, Kelso NSW	23 Zagreb STREET	Other Industry	Under assessment	-33.42724599	149.609825



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KELSO	BP Service Station (Reliance Petroleum)	63 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41925328	149.6076677
KELSO	Caltex Service Station Kelso	19 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41904247	149.6023985
KEMBLA GRANGE	ShawCor Australia	66 West Dapto ROAD	Other Petroleum	Regulation under CLM Act not required	-34.46875328	150.8106326
KEMBLAWARRA	Griffins Bay, Lake Illawarra	Shellharbour ROAD	Landfill	Regulation under CLM Act not required	-34.49653984	150.8943776
KEMPS CREEK	Caltex-branded Service Station	1163 Mamre ROAD	Service Station	Regulation under CLM Act not required	-33.86972102	150.7966074
KEMPSEY	Former Mobil Depot	14 Hopetoun STREET	Other Petroleum	Regulation under CLM Act not required	-31.07603107	152.8350132
KEMPSEY	Former Shell Depot	43-51 Gladstone STREET	Other Petroleum	Regulation under CLM Act not required	-31.07500944	152.8346699
KEMPSEY	Kempsey Showground	19 Sea STREET	Unclassified	Contamination being managed via the planning process (EP&A Act)	-31.07334836	152.8308795
KEMPSEY	Liberty (Former Mobil) Service Station	108-112 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07492508	152.8431945
KEMPSEY	Mobil Depot	154 Belgrave STREET	Service Station	Regulation under CLM Act not required	-31.07965043	152.8326303
KEMPSEY	Shell Coles Express Service Station Kempsey	165 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07036743	152.8461571
KENSINGTON	7-Eleven Kensington	135 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91035885	151.2228537
KENSINGTON	Caltex Service Station	211-213 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91460752	151.2251266
KENSINGTON	Footpath adjacent to 10-20 Anzac Parade	10-20 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.9032124	151.2237836
KENSINGTON	Former Ampol Service Station	76-82 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.9059246	151.2242891

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KENTHURST	Vacant Land	259 McCylmonts ROAD	Unclassified	Regulation under CLM Act not required	-33.61283529	150.9425303
KHANCOBAN	Khancoban Tip	Alpine WAY	Landfill	Regulation under CLM Act not required	-36.21994191	148.1542718
KIAMA	Former Gasworks	105 to 109 and 113 Shoalhaven STREET	Gasworks	Regulation under CLM Act not required	-34.67416881	150.8504143
KIAMA HEIGHTS	Former Mobil Service Station Kiama	7-9 South Kiama DRIVE	Service Station	Regulation under CLM Act not required	-34.69553931	150.8437977
KILLARA	7-Eleven Service Station (Former Mobil)	496 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.77146554	151.1606903
KILLARA	Former BP Service Station Lindfield	478 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.7719298	151.1613874
KILLARA	Former Caltex Service Station	692B-694 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.76306802	151.1550109
KILLARA	Killara Garage	544 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76974164	151.1599696
KILLARA	Land Adjacent to Former Service Station Site	684-684a, 690, 692 and 696 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.7631019	151.1548963
KINCUMBER	Frost Reserve	Avoca DRIVE	Landfill	Contamination currently regulated under CLM Act	-33.47065695	151.3909044
KINGS PARK	Former Dow Corning Factory	21 Tattersall ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.75012653	150.9138477
KINGS PARK	Multi-Fill	14 Garling ROAD	Chemical Industry	Under assessment	-33.74478046	150.9111964
KINGSFORD	Caltex Service Station	603-611 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.93435787	151.2371198
KINGSFORD	Coles Express Service Station Kingsford	58 Gardeners ROAD	Service Station	Regulation under CLM Act not required	-33.9250054	151.2257601
KINGSGROVE	Caltex Kingsgrove	351-357 Stoney Creek ROAD	Service Station	Regulation under CLM Act not required	-33.95132175	151.0926872

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KINGSGROVE	Shell Coles Express Service Station	137 Kingsgrove ROAD	Service Station	Regulation under CLM Act not required	-33.93276948	151.099026
KINGSGROVE	State Transit Authority Depot	17-23 Richland STREET	Other Petroleum	Regulation under CLM Act not required	-33.93646086	151.0973617
KIRRAWEE	7-Eleven (former Mobil) Service Station	542-546 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.03238179	151.0758071
KIRRAWEE	Caltex-branded Kirrawee Service Station	(1-3 Waratah Street) 487 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.02915971	151.0808279
KIRRAWEE	Ingal Civil Products	127-141 Bath ROAD	Metal Industry	Regulation under CLM Act not required	-34.03029516	151.0754469
KOGARAH	Caltex Service Station	29 President AVENUE	Service Station	Regulation under CLM Act not required	-33.96516866	151.141145
KOGARAH	Former 7-Eleven Kogarah	734 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.96406472	151.1376011
KOGARAH	Scarborough Park South	184R Production AVENUE	Landfill	Regulation being finalised	-33.97922253	151.140276
KOGARAH	Woolworths Petrol Service Station	69 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.96330397	151.1371182
KOOLKHAN	Former Koolkhan Power Station	Summerland WAY	Other Industry	Regulation under CLM Act not required	-29.61688704	152.9300645
KOORAGANG	240 Cormorant Road, Kooragang	240 Cormorant ROAD	Other Industry	Regulation being finalised	-32.87480951	151.7757352
KOORAGANG	Cleanaway Technical Services	19 Egret STREET	Other Industry	Regulation under CLM Act not required	-32.8812145	151.766282
KOORAGANG	Former Boral Timber Export Facility	16 Heron ROAD	Other Industry	Regulation under CLM Act not required	-32.89710295	151.7739966
KOORAGANG	Industrial Facility	39 Heron ROAD	Chemical Industry	Under assessment	-32.89106439	151.7784064
KOORAGANG	Kooragang Island Waste Facility	Off Cormorant ROAD	Metal Industry	Contamination currently regulated under POEO Act	-32.86901125	151.7377773

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KOORAGANG	NPC, berths 2 and 3	Heron ROAD	Metal Industry	Regulation under CLM Act not required	-32.89260063	151.7742527
KOORAGANG	Orica Kooragang Island	15 Greenleaf ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-32.89654619	151.7771372
KOORAGANG	Vacant Land	Raven Street and Cormorant ROAD	Unclassified	Regulation under CLM Act not required	-32.88410199	151.7701334
KOORINGAL	Caltex Service Station	265-267 Lake Albert ROAD	Service Station	Regulation under CLM Act not required	-35.14078443	147.3755442
KOORINGAL	Caltex-branded (former Mobil) Service Station	24 Lake Albert ROAD	Service Station	Regulation under CLM Act not required	-35.12239591	147.3769936
KOORINGAL	Former Shell Wagga Depot	11-15 Lake Albert ROAD	Other Petroleum	Regulation under CLM Act not required	-35.12273113	147.3786005
KOSCIUSZKO	Khancoban Spoil Dump	Alpine WAY	Landfill	Regulation under CLM Act not required	-36.21982803	148.1527401
KOSCIUSZKO	Sawpit Creek landfill	13km from Jindabyne, off Kosciuszko ROAD	Landfill	Regulation under CLM Act not required	-36.34858097	148.5673374
KOSCIUSZKO	Smiggin Holes Snow Clearing Shed	Link ROAD	Landfill	Regulation under CLM Act not required	-36.39098211	148.4304981
KURMOND	BP Service Station	501 Bells Line of road ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.55099195	150.6912536
KURNELL	Abbott Australasia	Captain Cook DRIVE	Chemical Industry	Contamination formerly regulated under the CLM Act	-34.02339937	151.19921
KURNELL	Caltex Kurnell Terminal (refer also to ID23868)	2 Solander STREET	Other Petroleum	Contamination currently regulated under POEO Act	-34.0175214	151.2159572
KURNELL	Former Caltex Kurnell Service Station	Corner Captain Cook Drive and Solander STREET	Service Station	Regulation under CLM Act not required	-34.01269846	151.2094347
KURNELL	Former Phillips Imperial Chemicals site	260 Captain Cook DRIVE	Chemical Industry	Regulation under CLM Act not required	-34.02493837	151.1952149
KURRI KURRI	Kurri Kurri Smelter	Hart ROAD	Metal Industry	Regulation under CLM Act not required	-32.7873063	151.4828827

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KURRI KURRI	United Petroleum Service Station Kurri Kurri	279-281 Lang STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.82047175	151.477646
KYOGLE	Caltex Service Station	22-24 Summerland WAY	Service Station	Regulation under CLM Act not required	-28.61806766	153.003862
LAKE HAVEN	Caltex Service Station	Goobarabah Ave Cnr Gorokan DRIVE	Service Station	Regulation under CLM Act not required	-33.24337276	151.5065335
LAKEMBA	Caltex Service Station	961-967 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92671102	151.0814905
LAKEMBA	Caltex Service Station - Corner Punchbowl Rd and Wangee Rd	81 Wangee ROAD	Service Station	Regulation under CLM Act not required	-33.91153044	151.073306
LAKEMBA	Former Lakemba Police Station	59 Quigg STREET	Unclassified	Regulation under CLM Act not required	-33.92199239	151.079412
LAMBTON	4-26 Verulam Road, Lambton NSW 2299	4-26 Verulam ROAD	Metal Industry	Under assessment	-32.91130954	151.7170534
LAMBTON	Caltex Service Station	422 Newcastle ROAD	Service Station	Regulation under CLM Act not required	-32.9095592	151.7109684
LANE COVE	331-335 Burns Bay Road, Lane Cove NSW 2066	331 and 333 - 335 Burns Bay ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.8211575	151.1493074
LANE COVE	7-Eleven Service Station	203 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81458334	151.1543844
LANE COVE	BP-branded Jasbe Service Station	62-70 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.81108427	151.1641531
LANE COVE	Coles Express Service Station Burns Bay	254 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81719214	151.1518774
LANE COVE	Pacific Power	Sirius ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.80701776	151.1449658
LANE COVE NORTH	BP Artamon Service Station, Lane Cove North	432 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.8112038	151.175547
LANE COVE NORTH	Former Caltex Service Station	428-432 Mowbray ROAD	Service Station	Regulation under CLM Act not required	-33.80804563	151.1721538

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LANE COVE WEST	315-317 Burns Bay Road, Lane Cove West	315-317 Burns Bay ROAD	Unclassified	Under preliminary investigation order	-33.82065224	151.1496027
LANE COVE WEST	Caltex Lane Cove West	235-245 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81719214	151.1518774
LANE COVE WEST	Lovetts Reserve Walking Track	301B Burns Bay ROAD	Unclassified	Contamination currently regulated under CLM Act	-33.82044223	151.1492125
LANE COVE WEST	Ventemans Reach Bushland	Off Mars ROAD	Unclassified	Regulation under CLM Act not required	-33.80499552	151.1450719
LANSVALE	Mobil Service Station	44 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.89172416	150.9656537
LAURIETON	Camden Haven Tyre and Brake Centre (Former Caltex Service Station)	461 Ocean DRIVE	Service Station	Regulation under CLM Act not required	-31.64367775	152.7977735
LAVENDER BAY	SRA Land	French STREET	Unclassified	Regulation under CLM Act not required	-33.84560621	151.2030148
LAVINGTON	Caltex Service Station	436 Wagga (corner Dick Road) ROAD	Service Station	Regulation under CLM Act not required	-36.04500034	146.9444932
LAVINGTON	Former Caltex Service Station	373-375 Wagga ROAD	Service Station	Regulation under CLM Act not required	-36.04797551	146.9385325
LAVINGTON	Former ERS liquid waste treatment and storage facility	819 Knights ROAD	Other Industry	Regulation under CLM Act not required	-36.06763885	146.942143
LEETON	Caltex Service Station	1 Belah STREET	Service Station	Regulation under CLM Act not required	-34.55421752	146.3998431
LEETON	Former Fuel Depot, Leeton	1-3 Short STREET	Other Petroleum	Regulation under CLM Act not required	-34.55253237	146.3864507
LEETON	Former Mobil Depot	108 Calrose STREET	Other Petroleum	Regulation under CLM Act not required	-34.55813326	146.3921296
LEETON	United Leeton Service Station	110 Kurrajong AVENUE	Service Station	Regulation under CLM Act not required	-34.55573364	146.4099077
LEETON	Yenda Producers (formerly Incitec) Leeton	1 - 2 Canal STREET	Other Petroleum	Regulation under CLM Act not required	-34.55184684	146.3862573

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LEICHHARDT	Former Kolotex site	22 George STREET	Other Industry	Contamination currently regulated under CLM Act	-33.88855307	151.1482106
LEICHHARDT	Former Labelcraft Site	30-40 George STREET	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.88778798	151.1484773
LEICHHARDT	Leichhardt Bus Depot Area E	240 Balmain Road, corner City West LINK	Other Industry	Regulation under CLM Act not required	-33.87589727	151.1598073
LEICHHARDT	RailCorp Leichhardt	7 Darley ROAD	Other Industry	Regulation under CLM Act not required	-33.87520846	151.1539012
LEICHHARDT	SRA Land	10-11 Balmain ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.8776803	151.1591041
LENNOX HEAD	Former Caltex Lennox Head	Byron STREET	Service Station	Regulation under CLM Act not required	-28.79189328	153.5883225
LENNOX HEAD	Spours Dip	13 Fig Tree Hill DRIVE	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.78258175	153.5752527
LEPPINGTON	Coles Express Leppington	1443 Camden Valley WAY	Service Station	Regulation under CLM Act not required	-33.96631609	150.8154793
LEUMEAH	Caltex Service Station	6 Rudd ROAD	Service Station	Regulation under CLM Act not required	-34.05398325	150.8299209
LEURA	Former Leura Garage	126-128 Leura MALL	Service Station	Regulation under CLM Act not required	-33.7125311	150.3315386
LIDCOMBE	Metro Lidcombe (former Liberty)	134 John STREET	Service Station	Contamination currently regulated under POEO Act	-33.85456019	151.0468136
LIDDELL	Liddell Power Station	New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.37393962	150.9756283
LIDSDALE	Angus Place Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.35274573	150.0996773
LIDSDALE	Kerosene Vale Ash Repository	110 Skelly ROAD	Other Industry	Regulation being finalised	-33.39095144	150.1049798
LIDSDALE	Kerosene Vale Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.38232515	150.0943561



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LIDSDALE	Lot 424 Walgan Road, Lidsdale	Lot 424 Walgan ROAD	Other Industry	Regulation under CLM Act not required	-33.382577	150.083942
LIGHTNING RIDGE	Caltex Service Station	Onyx Street, corner Morilla STREET	Service Station	Regulation under CLM Act not required	-29.42922885	147.9747954
LIGHTNING RIDGE	Former Ambulance Station	18 - 42 Pandora STREET	Other Industry	Regulation under CLM Act not required	-29.43133877	147.9812981
LILLIAN ROCK	Former 'Peters Dip' Cattle Tick Dip Site	427 Lillian Rock ROAD	Cattle Dip	Regulation under CLM Act not required	-28.5314327	153.1556392
LINDFIELD	7-Eleven (former Mobil) Service Station	238 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.7788603	151.1689594
LISAROW	OneSteel Recycling	902A Pacific HIGHWAY	Metal Industry	Regulation under CLM Act not required	-33.38420179	151.3655856
LISMORE	Caltex Lismore Service Station	136 Woodlark STREET	Service Station	Regulation under CLM Act not required	-28.80807597	153.2807591
LISMORE	Caltex Service Station	73-75 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.80894415	153.2809619
LISMORE	Former Shell Depot	116 Wilson STREET	Other Petroleum	Regulation under CLM Act not required	-28.81070081	153.2621577
LISMORE	Lismore Gasworks	Cnr John Street & Keen STREET	Gasworks	Contamination formerly regulated under the CLM Act	-28.81764489	153.2710196
LISMORE	Shell Coles Express Service Station	100 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.81140865	153.2800472
LISMORE	SRA Land	Norco LANE	Unclassified	Regulation under CLM Act not required	-28.810742	153.2702306
LISMORE HEIGHTS	Coles Express Lismore Heights	426 Ballina ROAD	Service Station	Contamination currently regulated under CLM Act	-28.81068067	153.3053065
LISMORE HEIGHTS	Impacted land, below Beardow Street landslide	22 New Ballina ROAD	Unclassified	Regulation under CLM Act not required	-28.80410458	153.2939349
LISMORE HEIGHTS	Roadside Embankment (Beardow Street)	Between Beardow and 22 New Ballina ROAD	Unclassified	Regulation under CLM Act not required	-28.80374297	153.2942495

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LITHGOW	Caltex Lithgow (Quota Park)	Adjacent to 1131 Great Western HIGHWAY	Unclassified	Regulation under CLM Act not required	-33.47927554	150.1366238
LITHGOW	Former Gasworks	Mort STREET	Gasworks	Regulation under CLM Act not required	-33.47995167	150.1635401
LITHGOW	Former Mobil Depot	353 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.48235166	150.1383012
LITHGOW	Former Shell CVRO and Depot	77 Bridge Street and 6 Gas Works LANE	Other Petroleum	Regulation under CLM Act not required	-33.47995091	150.162216
LITHGOW	Jasbe BP-branded Service Station (Former Reliance Petroleum)	1106 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.48426647	150.134992
LITHGOW	Lithgow Thales	4 Martini PARADE	Metal Industry	Contamination formerly regulated under the CLM Act	-33.48988084	150.141366
LIVERPOOL	68 Speed Street (former gasworks)	2A Mill ROAD	Gasworks	Regulation under CLM Act not required	-33.92992649	150.9224472
LIVERPOOL	AC McGrath (Wholesale) Pty Ltd	20 Shepherd Street and 6A & 6B Atkinson STREET	Other Industry	Regulation under CLM Act not required	-33.9320192	150.9236862
LIVERPOOL	Former Car Park	4 - 6 Rose STREET	Unclassified	Regulation under CLM Act not required	-33.93258955	150.9157936
LIVERPOOL	Woodward Park	84 Memorial AVENUE	Other Industry	Regulation under CLM Act not required	-33.92477836	150.9169229
LIVERPOOL	Woolworths Service Station	59-67 Orange Grove ROAD	Service Station	Regulation under CLM Act not required	-33.90711248	150.9178855
LOFTUS	BP Freedom Fuel Service Station Loftus	127 Loftus AVENUE	Service Station	Regulation under CLM Act not required	-34.04570765	151.0508004
LONG JETTY	7-Eleven (former Mobil) Service Station	184-186 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.35089363	151.4924904
LONG JETTY	Caltex Service Station	431 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.36022468	151.4826553
LONG JETTY	Metro Petroleum Service Station Long Jetty	326 The Entrance ROAD	Service Station	Under assessment	-33.35897356	151.4847709

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LONG JETTY	Westside Petroleum Service Station	290-294 The Entrance ROAD	Service Station	Contamination currently regulated under CLM Act	-33.35686757	151.4861479
LONGUEVILLE	Caltex Service Station	5 Northwood ROAD	Service Station	Regulation under CLM Act not required	-33.82427366	151.1724497
LOXFORD	Kurri Kurri Wastewater Treatment Plant	McLeod ROAD	Other Industry	Regulation under CLM Act not required	-32.80593657	151.4843665
LUCAS HEIGHTS	Harringtons Quarry	access from Little Forest ROAD	Landfill	Contamination currently regulated under CLM Act	-34.0355347	150.9751826
LUCAS HEIGHTS	IWC landfill	Little Forest ROAD	Landfill	Contamination formerly regulated under the CLM Act	-34.03214889	150.9753474
LUCAS HEIGHTS	Sydney Clay Target Club	Heathcote ROAD	Other Industry	Under assessment	-34.04045	150.95967
LUDDENHAM	Caltex Service Station	3019-3035 The Northern ROAD	Service Station	Regulation under CLM Act not required	-33.87536093	150.688872
MACKSVILLE	Caltex Service Station	Pacific (22-24 Cooper Street) HIGHWAY	Service Station	Regulation under CLM Act not required	-30.70977455	152.9198448
MACLEAN	MacLean Outdoors	255 River STREET	Service Station	Regulation under CLM Act not required	-29.45782683	153.1970725
MACQUARIE FIELDS	Caltex Service Station	68 Harold STREET	Service Station	Regulation under CLM Act not required	-33.98557276	150.8933681
MACQUARIE PARK	1-7 Waterloo Road, Macquarie Park	1-7 Waterloo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.78806877	151.1332148
MACQUARIE PARK	Caltex North Ryde Service Station	41-43 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.79138236	151.1312248
MACQUARIE PARK	De Burghs Cycleway - Lane Cove National Park	Riverside DRIVE	Other Petroleum	Regulation under CLM Act not required	-33.77668985	151.136542
MACQUARIE PARK	Porters Creek Depot - Proposed Operations Centre Site	160 Wicks ROAD	Landfill	Regulation under CLM Act not required	-33.78581579	151.1367075
MAITLAND	Coles Express Service Station	235 High STREET	Service Station	Regulation under CLM Act not required	-32.73923807	151.5620399

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MAITLAND	Hannan and High Street	Hannan Street and High STREET	Service Station	Regulation under CLM Act not required	-32.72731682	151.5515673
MAITLAND	Maitland Gasworks	Charles STREET	Gasworks	Contamination currently regulated under CLM Act	-32.73603658	151.5578926
MALABAR	ANZAC Rifle Range former landfill	Franklin STREET	Landfill	Regulation being finalised	-33.95792671	151.2566373
MANDALONG	Mandalong Mine	Mandalong ROAD	Other Industry	Regulation under CLM Act not required	-33.11725583	151.4616452
MANGROVE MOUNTAIN	Poultry Litter Containment Pit site	258 Waratah ROAD	Unclassified	Regulation under CLM Act not required	-33.28917947	151.1672284
MANILLA	Tamworth Regional Council Works Depot - Manilla	73 River STREET	Other Petroleum	Regulation under CLM Act not required	-30.74879943	150.7181011
MANLY	Caltex Service Station	86 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.79306889	151.2858638
MANLY	Former Little Manly Point Gasworks	Stuart STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.8081596	151.287697
MANLY	Open Space at end of Stuart Street (Lot 1 DP544297)	End of Stuart STREET	Gasworks	Regulation under CLM Act not required	-33.8078063	151.2898273
MANLY	St Patrick's Estate	151 Darley ROAD	Unclassified	Regulation under CLM Act not required	-33.8044568	151.2938595
MANLY VALE	Caltex Service Station Manly Vale	236-238 Condamine STREET	Service Station	Regulation under CLM Act not required	-33.78508231	151.2674386
MANLY VALE	Former Landfill Addiscombe Road	Addiscombe ROAD	Landfill	Contamination currently regulated under CLM Act	-33.78307439	151.2747846
MANNERING PARK	Mannerling Park Mini Mart	70 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.15236501	151.5371767
MANNERING PARK	Parkview General Store (a former service station)	2 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.14753814	151.5387832
MARAYONG	7-Eleven (former Mobil Blacktown West) Service Station Marayong	173 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75472796	150.8913605

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MARAYONG	Woolworths Petrol Service Station Marayong	Corner Vardys Road and Turbo ROAD	Service Station	Regulation under CLM Act not required	-33.7452356	150.9041601
MARDI	Former Mardi Landfill	70-90 McPherson ROAD	Landfill	Regulation under CLM Act not required	-33.29273289	151.4100941
MARKS POINT	Former Mobil Aviation Depot Belmont Airport	864 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.06657244	151.6497674
MARKS POINT	Former Mobil Service Station (now 7-Eleven)	770-772 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.05646268	151.6533795
MAROUBRA	Coles Express Pagewood Service Station, Maroubra	299 Bunnerong PARADE	Service Station	Regulation under CLM Act not required	-33.94071282	151.2285063
MARRANGAROO	United (Former Mobil) Service Station Marrangaroo	394-398 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.45253322	150.1181023
MARRICKVILLE	2 Carrington Road	2 Carrington ROAD	Unclassified	Regulation under CLM Act not required	-33.91567088	151.1589931
MARRICKVILLE	Cooks River Aqueduct	Thornley STREET	Unclassified	Contamination formerly regulated under the CLM Act	-33.92224311	151.1479744
MARRICKVILLE	Former Dry Cleaners and Loading Dock	Smidmore STREET	Other Industry	Contamination currently regulated under CLM Act	-33.90752498	151.1717761
MARRICKVILLE	Former Mobil Service Station	384 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91534969	151.1506717
MARRICKVILLE	Mackey Park	Cnr Richardsons Crescent and Carrington ROAD	Landfill	Regulation under CLM Act not required	-33.9220263	151.1547903
MARRICKVILLE	RailCorp	361 Victoria ROAD	Other Industry	Regulation under CLM Act not required	-33.91404835	151.1557132
MARRICKVILLE	TRW Steering and Suspension	22-28 Carrington ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.92012667	151.1566181
MARRICKVILLE	Woolworths Petrol Service Station Marrickville	490 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91845177	151.1459951
MARSDEN PARK	226 Grange Avenue	226 Grange AVENUE	Unclassified	Regulation under CLM Act not required	-33.70259609	150.83825

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MARSFIELD	Coles Express Service Station Marsfield	189 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.77519246	151.1053691
MARULAN	BP Express Marulan (Northbound)	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.7188332	149.9949547
MARULAN	BP Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.71932066	150.0014827
MARYVILLE	7-Eleven Service Station	184-188 Hannell STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.91336028	151.7579315
MASCOT	Aston	551-559 Gardeners ROAD	Landfill	Under assessment	-33.921735	151.19536
MASCOT	Caltex Service Station	125 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.92309169	151.1911539
MASCOT	Former Freight Distribution Facility (now High-Density Residential / Commercial)	19-33 Kent ROAD	Unclassified	Regulation under CLM Act not required	-33.9227711	151.1854202
MASCOT	Former Mascot Galvanising	336-348 King STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92902126	151.185874
MASCOT	Former Shell Service Station Mascot	746 Botany ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92352295	151.1955852
MASCOT	Former Zinc Smelter and Paint Manufacturing Facility	163 O'Riordan STREET	Metal Industry	Regulation under CLM Act not required	-33.92526513	151.1892582
MASCOT	Heritage Business Centre	5-9 Ricketty STREET	Unclassified	Regulation under CLM Act not required	-33.92029202	151.1816656
MASCOT	Linear Park	Off O'Riordan STREET	Landfill	Regulation under CLM Act not required	-33.92278693	151.1904751
MASCOT	Mascot Pioneer Plating	25-29 Ricketty STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92075288	151.1824801
MASCOT	Sokol Corporation	50-56 Robey STREET	Other Industry	Regulation under CLM Act not required	-33.93162265	151.1904955
MASCOT	Telstra Exchange	904-922 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9293166	151.1942777

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MATRAVILLE	7-Eleven Service Station Matraville	515 Bunnerong ROAD	Service Station	Contamination currently regulated under CLM Act	-33.95943536	151.2317598
MATRAVILLE	Eastern Suburbs Memorial Park	12 Military ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9719906	151.2274386
MATRAVILLE	Former Golden Fleece Terminal No1	133 -149 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95759006	151.2252023
MATRAVILLE	Former Golden Fleece Terminal No2	151 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95719404	151.2259884
MATRAVILLE	Former Rieco Incinerator	Kain AVENUE	Other Industry	Contamination being managed via the planning process (EP&A Act)	-33.95980534	151.2423679
MATRAVILLE	Port Botany Bus Depot	7 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96880413	151.2255889
MATRAVILLE	Vacant Lot	3 Wilkes AVENUE	Other Industry	Regulation under CLM Act not required	-33.96006406	151.2431087
MAYFIELD	7-Eleven (Former Mobil) Service Station	412-416 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.89292005	151.7300948
MAYFIELD	Australian Tube Mills Newcastle Site	Industrial DRIVE	Metal Industry	Under assessment	-32.88835767	151.7450751
MAYFIELD	BHP Steel River	The Buffer Zone' extending directly adjacent to the Hunter River; near the Tourle Street Bridge STREET	Metal Industry	Contamination currently regulated under CLM Act	-32.8773556	151.7252427
MAYFIELD	Hunter River Sediments	Bed Sediments of the Hunter adjacent to Lot 221 DP1013964 RIVER	Metal Industry	Contamination formerly regulated under the CLM Act	-32.89203741	151.7646702
MAYFIELD	OneSteel (BHP)	Industrial DRIVE	Metal Industry	Contamination currently regulated under CLM Act	-32.88365878	151.7448793
MAYFIELD	Shell Coles Express Service Station	63-69 Maud STREET	Service Station	Regulation under CLM Act not required	-32.89358962	151.7221298
MAYFIELD	Waratah Steel Mill	23 Frith STREET	Metal Industry	Regulation under CLM Act not required	-32.89426592	151.7257429
MAYFIELD NORTH	BHPB Closure site and bed sediments of the Hunter River	Bound by Hunter River, Selwyn Street & Industrial DRIVE	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.89436064	151.7590762



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MAYFIELD NORTH	Former BHPB Supply site	Industrial DRIVE	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.88583061	151.7386157
MAYFIELD NORTH	OneSteel - Newcastle Wire, Rod and Bar Mills	141 & 151 Ingall STREET	Metal Industry	Under assessment	-32.89008485	151.752949
MAYFIELD WEST	Koppers Coal Tar	East of Woodstock Street and Tourle STREET	Other Industry	Contamination currently regulated under POEO Act	-32.88592437	151.7361839
MAYFIELD WEST	Stevenson Park landfill	2/559 Maitland ROAD	Landfill	Regulation under CLM Act not required	-32.88472556	151.7224791
MAYFIELD WEST	Tourle Street Bridge Project	Tourle STREET	Landfill	Regulation under CLM Act not required	-32.88075518	151.7330073
MCDougalls Hill	Caltex Service Station	4949 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.54484714	151.1490757
MEADOWBANK	Former Council Works Depot	2 Parsonage STREET	Unclassified	Regulation under CLM Act not required	-33.82191421	151.0951974
MENAI	7-Eleven (Former Mobil) Service Station Menai	289 Menai ROAD	Service Station	Contamination currently regulated under CLM Act	-34.01579095	151.0131737
MENAI	Caltex Service Station Menai	1 Carter Road ROAD	Service Station	Regulation under CLM Act not required	-34.01654043	151.0124133
MENANGLE	285 Finns Road, Menangle NSW	285 Finns ROAD	Unclassified	Regulation under CLM Act not required	-34.1291386	150.7010393
MEREWETHER	Merewether Childcare Centre	2/23 Caldwell STREET	Unclassified	Regulation under CLM Act not required	-32.94249653	151.7504279
MEREWETHER HEIGHTS	Burwood Beach Wastewater Treatment Works	Lot 1, Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-32.95401348	151.7412468
MERIMBULA	Caltex Service Station	19-25 Merimbula DRIVE	Service Station	Regulation under CLM Act not required	-36.88757881	149.9089159
MERIMBULA	Former Mobil Service Station	27 Market STREET	Service Station	Regulation under CLM Act not required	-36.88941693	149.9103485
MERRYLANDS	7-Eleven Merrylands Service Station	295-297 Merrylands Road, corner Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.83533205	150.9851801

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MERRYLANDS	Caltex Service Station	229 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.84547463	150.9983413
MERRYLANDS	Caltex Service Station Merrylands	148 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.83818499	150.9997199
MERRYLANDS	Former Stockfeed Manufacturing Site	1-7 & 9-11 Neil STREET	Other Petroleum	Regulation under CLM Act not required	-33.83390257	150.9947449
MERRYLANDS	Former Timber Yard and Hardware	11-19 Centenary ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83083025	150.9698915
MERRYLANDS	Stockland Merrylands Court	249-259 Merrylands ROAD	Service Station	Regulation under CLM Act not required	-33.83560037	150.9869735
MERRYLANDS WEST	Former Mobil Service Station	3 Centenary ROAD	Service Station	Regulation under CLM Act not required	-33.83214226	150.9698958
MILLER	Caltex Service Station	86 Cartwright AVENUE	Service Station	Regulation under CLM Act not required	-33.91878146	150.8827514
MILLERS FOREST	Chichester Trunk Gravity Main	water pipeline ACCESS	Other Industry	Contamination currently regulated under POEO Act	-32.772877	151.6826841
MILLERS POINT	Former AGL Gasworks	30 - 34 Hickson ROAD	Gasworks	Regulation under CLM Act not required	-33.86179594	151.2031726
MILLERS POINT	Former AGL Gasworks	38 Hickson and road reserve ROAD	Gasworks	Contamination being managed via the planning process (EP&A Act)	-33.86280104	151.2032452
MILLERS POINT	Former AGL Gasworks	Berths 5, 6 and 7 (already demolished) and part Hickson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.86239771	151.2024819
MILLERS POINT	Former AGL Gasworks 36 Hickson Road	36 Hickson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.86243824	151.2032514
MILLERS POINT	Moore's Wharf UPSS	4 Towns PLACE	Other Petroleum	Regulation under CLM Act not required	-33.85581123	151.2024759
MILPERRA	Caltex Service Station	264 Milperra ROAD	Service Station	Regulation under CLM Act not required	-33.93018101	150.9910964
MILPERRA	Former Landfill	479 Henry Lawson DRIVE	Landfill	Regulation under CLM Act not required	-33.93394617	150.9776715

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MILPERRA	Heatcraft Australia Pty Ltd	286 Horsley ROAD	Other Industry	Regulation under CLM Act not required	-33.94031556	150.9958606
MILPERRA	Riverlands Milperra Property	54 Auld AVENUE	Landfill	Under assessment	-33.930676	150.971422
MILPERRA	United Group Rail Pty Limited	373 Horsley ROAD	Landfill	Regulation under CLM Act not required	-33.93286283	150.9934071
MILTON	Caltex Milton Service Station and Depot	331 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.33154474	150.4492852
MILTON	Former Sanitary Depot	Slaughterhouse ROAD	Other Industry	Regulation under CLM Act not required	-35.33819825	150.4471917
MINCHINBURY	7-Eleven (former Mobil) Service Station	815 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78812909	150.8495992
MINCHINBURY	BP Service Station	1055 Great Western Highway corner Archbold ROAD	Service Station	Regulation under CLM Act not required	-33.78211857	150.8244185
MINTO	Former Endeavour Energy Depot	Pembroke ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0408973	150.8451837
MINTO	Land adjacent to Former Shell depot	Airds Road and Essex STREET	Other Petroleum	Regulation under CLM Act not required	-34.02140447	150.8415134
MINTO	Logistics Hub - Culverston Road, Minto	Culverston ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0421711	150.833825
MINTO	Shell Coles Express Service Station	73 Pembroke STREET	Service Station	Regulation under CLM Act not required	-34.02316454	150.8503118
MIRANDA	Woolworths Service Station	455 Kingsway OTHER	Service Station	Contamination currently regulated under CLM Act	-34.03492814	151.1124681
MITTAGONG	Caltex Mittagong Service Station	65 Bowral ROAD	Service Station	Regulation under CLM Act not required	-34.45245915	150.4381291
MITTAGONG	Enhance (former Coles Express) Service Station	224 Old Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.44746118	150.4326183
MITTAGONG	Lots 1 and 2 Alfred St.	Alfred STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-34.44738105	150.4565159

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOAMA	Caltex Moama Service Station	73 Meninya (Cnr Regent St) STREET	Service Station	Regulation under CLM Act not required	-36.10815134	144.752849
MOLONG	Cabonne BP Service Station	2 Gidley STREET	Service Station	Contamination currently regulated under CLM Act	-33.09026307	148.8695809
MOLONG	Former Gasworks	Hill STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.09074595	148.8703262
MONA VALE	7-Eleven (former Mobil) Service Station	24 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.676909	151.3082515
MONA VALE	BP Peninsula Express Service Station	Corner Barrenjoey Road and Darley Street East STREET	Service Station	Regulation under CLM Act not required	-33.67670799	151.3090068
MONA VALE	BP Service Station Mona Vale	1721 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.68043443	151.3023553
MONA VALE	Caltex Investigation Area	Polo Ave, Perak STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.67431333	151.3091148
MONA VALE	Former Caltex service station and adjacent properties	79 Barrenjoey Road, 2 Polo Avenue, 6 Polo Avenue, 45 Bassett STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.6743659	151.3096932
MONA VALE	Mona Vale Bus Depot	58 Darley STREET	Other Petroleum	Contamination currently regulated under CLM Act	-33.67452414	151.3074246
MONA VALE	Taronga Place Mona Vale properties	Taronga PLACE	Other Petroleum	Contamination currently regulated under CLM Act	-33.67422848	151.3066972
MOOBALL	Mooball General Store	5913 Tweed Valley WAY	Service Station	Regulation under CLM Act not required	-28.44204594	153.4887648
MOONBI	Caltex Moonbi Service Station	New England HIGHWAY	Service Station	Regulation under CLM Act not required	-31.02264369	151.069094
MOORE PARK	Area 2, Moore Park	Driver AVENUE	Unclassified	Regulation under CLM Act not required	-33.89426868	151.2226839
MOOREBANK	ABB Australia Pty Ltd	(a) 1 Bapaume ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.94143741	150.9208754
MOOREBANK	Caltex Service Station	216 Newbridge ROAD	Service Station	Regulation under CLM Act not required	-33.92930835	150.9551469

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MOOREBANK	Caltex Service Station Moorebank	2 Bridges ROAD	Service Station	Regulation under CLM Act not required	-33.92839682	150.9327012
MOOREBANK	Former Concrete Recyclers property, Newbridge Road, Moorebank	Newbridge ROAD	Landfill	Regulation under CLM Act not required	-33.9390295	150.9653979
MOOREBANK	Helles Park	Helles AVENUE	Landfill	Under assessment	-33.93633126	150.9221424
MOOREBANK	Joyce Foam Products	5-9 Bridges ROAD	Chemical Industry	Regulation under CLM Act not required	-33.92596302	150.9335273
MOORLAND	Caltex Service Station	99 Jericho ROAD	Service Station	Regulation under CLM Act not required	-31.79436622	152.6514849
MOREE	BP Truckstop and Depot Moree	Newell Highway - 423 Frome STREET	Service Station	Regulation under CLM Act not required	-29.48223274	149.8463679
MOREE	Caltex Depot	101 Gosport STREET	Other Petroleum	Regulation under CLM Act not required	-29.47603684	149.8476728
MOREE	Caltex Service Station	54 Alice STREET	Service Station	Contamination currently regulated under CLM Act	-29.47158492	149.8433182
MOREE	Former Freedom Service Station Site Moree	1 Dover STREET	Service Station	Contamination formerly regulated under the CLM Act	-29.4715814	149.8440279
MOREE	Former Golden Fleece Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47698315	149.8477108
MOREE	Former Mobil Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47764104	149.8478284
MOREE	Former Shell Depot	Adelaide STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47655335	149.8465698
MOREE	Moree Airport Evaporation Pond	Newell HIGHWAY	Unclassified	Regulation under CLM Act not required	-29.50289837	149.8411301
MOREE	Shell Coles Express Service Station	Corner Gwydir and Balo STREET	Service Station	Regulation under CLM Act not required	-29.46081826	149.8419975
MOREE	Sunnyside Road	Sunnyside ROAD	Unclassified	Regulation under CLM Act not required	-29.45652718	149.8226682

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MORISSET	Morisset High School	Bridge STREET	Unclassified	Regulation under CLM Act not required	-33.10475221	151.4866482
MORISSET	Railcorp Station Masters Cottage	24 Dora STREET	Unclassified	Regulation under CLM Act not required	-33.10849681	151.4880317
MORISSET	Sanyog Holdings Pty Ltd	57 Dora STREET	Service Station	Regulation under CLM Act not required	-33.10732744	151.4900584
MORPETH	Former Service Station	Swan STREET	Service Station	Regulation under CLM Act not required	-32.72477413	151.6250642
MORPETH	Telstra Cable Installation and RTA Bridge work	Northumberland STREET	Other Petroleum	Regulation under CLM Act not required	-32.72489729	151.6266795
MORTLAKE	Former AGL site	Tennyson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.84287407	151.1109313
MORTLAKE	Former Petroleum Storage Site	108-116 Tennyson ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83979033	151.1064889
MORTLAKE	Kendall Bay Sediments	Kendall BAY	Gasworks	Contamination currently regulated under CLM Act	-33.83905999	151.1120458
MORTLAKE	Majors Bay Redevelopment	14-22 Hilly STREET	Other Industry	Regulation under CLM Act not required	-33.83954617	151.1054674
MORUYA	Caltex Service Station	26 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.9104985	150.0711419
MORUYA	Caltex Service Station Moruya	80-84 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.91195596	150.0824213
MORUYA	Former Fuel Depot Moruya	11 to 13 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-35.9112243	150.0826475
MOSMAN	7-Eleven Mosman	162A Spit Road Corner Mitchell ROAD	Service Station	Regulation under CLM Act not required	-33.81747016	151.2433633
MOSMAN	7-Eleven Service Station Mosman	45 Spit ROAD	Service Station	Regulation under CLM Act not required	-33.82302718	151.2435627
MOSMAN	Allan Border Oval	Myahgah ROAD	Landfill	Regulation under CLM Act not required	-33.82681534	151.2417712

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOSMAN	BP Express Mosman	175 Ourimbah ROAD	Service Station	Regulation under CLM Act not required	-33.82106459	151.2332921
MOSMAN	BP Service Station	175 Ourimbah ROAD	Service Station	Regulation under CLM Act not required	-33.82106757	151.233291
MOSS VALE	Coles Express Service Station	579 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.55313422	150.364684
MOSS VALE	Moss Vale Refuelling Facility	Lackey ROAD	Other Petroleum	Regulation under CLM Act not required	-34.54662421	150.3721525
MOSS VALE	Woolworths Service Station Moss Vale	609 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.55409411	150.3609797
MOUNT ANNAN	Great Southern Railways Aqueduct	Off Narellan ROAD	Unclassified	Regulation under CLM Act not required	-34.07308479	150.7707436
MOUNT ANNAN	Woolworths Caltex Mount Annan	157 Narellan (Corner Smeaton Grange Road) ROAD	Service Station	Regulation under CLM Act not required	-34.04685527	150.7610434
MOUNT COLAH	Caltex Service Station Mount Colah	603 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.67034662	151.1151861
MOUNT COLAH	Foxglove Oval	Foxglove ROAD	Landfill	Contamination currently regulated under CLM Act	-33.65829855	151.1229638
MOUNT DRUITT	7-Eleven Mount Druit	Lot 6 Luxford ROAD	Other Petroleum	Regulation under CLM Act not required	-33.76483839	150.8254157
MOUNT DRUITT	Caltex (former Mobil) Service Station, 17 Mount Street, Mount Druit	17 Mount STREET	Service Station	Regulation under CLM Act not required	-33.76567994	150.8244544
MOUNT HUTTON	Woolworths Service Station	46 Wilsons ROAD	Service Station	Regulation under CLM Act not required	-32.9836378	151.67309
MOUNT PRITCHARD	7-Eleven Service Station	352 Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.90260656	150.8963326
MOUNT THORLEY	Bulga Surface Operations	Broke ROAD	Other Industry	Regulation under CLM Act not required	-32.68325751	151.1206158
MOUNT THORLEY	Lowes Petroleum (Former BP) Depot Mount Thorley	74 Mount Thorley ROAD	Other Petroleum	Regulation under CLM Act not required	-32.62443074	151.1025122



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOUNT VICTORIA	Caltex Service Station	36a Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.58436517	150.2465528
MOUNT VICTORIA	Former Mobil Service Station	81 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.5889727	150.2511783
MUDGEE	BP Service Station Mudgee	77 Church STREET	Service Station	Regulation under CLM Act not required	-32.59545872	149.588123
MUDGEE	Caltex Service Station	114-116 Church STREET	Service Station	Regulation under CLM Act not required	-32.59428029	149.5876199
MUDGEE	Former Caltex Depot Mudgee	cnr Nicholson Street & Atkinson STREET	Other Petroleum	Regulation under CLM Act not required	-32.60125298	149.5851398
MUDGEE	Former Essential Energy Depot	27-31 Inglis STREET	Other Industry	Regulation under CLM Act not required	-32.60076552	149.5858905
MUDGEE	Mobil Depot	47 Douro STREET	Other Petroleum	Contamination currently regulated under CLM Act	-32.60023979	149.5823448
MUDGEE	Mudgee Gasworks	Mortimer Street and Court STREET	Gasworks	Regulation under CLM Act not required	-32.59168859	149.5817705
MUDGEE	Shell Coles Express Service Station	47 Church STREET	Service Station	Regulation under CLM Act not required	-32.59347493	149.5884623
MULGRAVE	7-Eleven (former Mobil) Service Station	Corner Windsor Road and Mulgrave ROAD	Service Station	Regulation under CLM Act not required	-33.61687781	150.8341809
MULLUMBIMBY	Station Street, Mullumbimby NSW 2482	Station STREET	Other Industry	Regulation being finalised	-28.55211357	153.5035218
MULWALA	Mulwala ADI Explosives Factory	Bayly STREET	Other Industry	Regulation under CLM Act not required	-35.97572689	145.9809786
MURWILLUMBAH	Murwillumbah Ambulance Depot	27 Queen STREET	Other Petroleum	Regulation under CLM Act not required	-28.32552576	153.4000182
MURWILLUMBAH SOUTH	Caltex Murwillumbah (formerly Puma)	182 Tweed Valley WAY	Service Station	Contamination currently regulated under CLM Act	-28.3263681	153.4103824
MURWILLUMBAH SOUTH	Former Norco Butter Factory (Eastern Portion)	230 Tweed Valley WAY	Other Petroleum	Regulation under CLM Act not required	-28.32791359	153.4073052

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MUSWELLBROOK	Bayswater Power Station	New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.3954046	150.9502683
MUSWELLBROOK	Caltex Muswellbrook Service Station	84-86 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27793094	150.8980938
MUSWELLBROOK	Caltex Service Station	12-16 Sydney STREET	Service Station	Regulation under CLM Act not required	-32.26785559	150.8879601
MUSWELLBROOK	Former Caltex Depot	1 Lower William STREET	Other Petroleum	Regulation under CLM Act not required	-32.26614257	150.8865136
MUSWELLBROOK	Former Caltex Depot	47-50 Victoria STREET	Service Station	Regulation under CLM Act not required	-32.26788823	150.8930609
MUSWELLBROOK	Former Gasworks	Corner Carl Street and Foley STREET	Gasworks	Regulation under CLM Act not required	-32.26672337	150.8935982
MUSWELLBROOK	Former Industrial Site	Lot 89 Rathmore STREET	Other Industry	Regulation under CLM Act not required	-32.30544071	150.8823657
MUSWELLBROOK	Former Mobil Depot Muswellbrook	43-51 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-32.2599725	150.887573
MUSWELLBROOK	Former Pit Top No. 1 Colliery Muswellbrook Coal	Corner Clendinning Street and Victoria STREET	Other Industry	Regulation under CLM Act not required	-32.27031992	150.9009981
MUSWELLBROOK	United Branded (Former Mobil) Service Station Muswellbrook	49-51 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27218162	150.8900206
MUSWELLBROOK	Vacant Rail Land	27 Brook STREET	Unclassified	Regulation under CLM Act not required	-32.26346086	150.8873181
MUSWELLBROOK	Woolworths Petrol	72 Brook STREET	Service Station	Regulation under CLM Act not required	-32.26325377	150.8905966
NABIAC	Caltex Service Station NABIAC	3964 Wallanbah (Cnr Wallanbah Rd and Pacific Hwy) ROAD	Service Station	Regulation under CLM Act not required	-32.09864883	152.3754346
NAMBUCCA HEADS	Former Mobil Service Station	6 Bowra STREET	Service Station	Regulation under CLM Act not required	-30.64282127	153.0035884
NARELLAN	Caltex Service Station Narellan	1 George Hunter DRIVE	Service Station	Regulation under CLM Act not required	-34.03963992	150.7432386

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NARELLAN	Former Landfill	1 Elyard STREET	Landfill	Regulation under CLM Act not required	-34.043474	150.7393256
NAROOMA	Former Caltex - Narooma	82 Princes HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-36.21711766	150.1279305
NAROOMA	Narooma BP - 90 Campbell St, Narooma	90 Campbell STREET	Service Station	Under assessment	-36.216338	150.130227
NAROOMA	Narooma Service Station	60 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-36.21617955	150.126261
NARRABEEN	7-Eleven Narrabeen North	1501-1505 Pittwater Road, corner Gondola ROAD	Service Station	Regulation under CLM Act not required	-33.70749859	151.296351
NARRABEEN	7-Eleven Service Station	1234 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.71958892	151.298272
NARRABEEN	Caltex Service Station	1509-1511 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70455756	151.2969352
NARRABEEN	Narrabeen Shotgun Range Sydney Academy of Sport	Wakehurst PARKWAY	Unclassified	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.72138423	151.2642798
NARRABEEN	Shell Coles Express Service Station	1418 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70013931	151.3002782
NARRABRI	Caltex Narrabri Service Station	31 Dangar (Cnr Anne and Dangar) STREET	Service Station	Regulation under CLM Act not required	-30.32989667	149.7756598
NARRABRI	Caltex Service Station	13 Doyle STREET	Service Station	Regulation under CLM Act not required	-30.3239182	149.7843052
NARRABRI	Caltex Service Station	31-35 Cooma ROAD	Service Station	Regulation under CLM Act not required	-30.33968576	149.7657241
NARRABRI	Caltex Service Station	12 Reid STREET	Other Petroleum	Regulation under CLM Act not required	-30.32282764	149.7901182
NARRABRI	Caltex Service Station	7-13 James STREET	Service Station	Regulation under CLM Act not required	-30.33016168	149.7940732
NARRABRI	Cargill Soapstock Disposal Site	Westport ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-30.4698458	149.6981931

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NARRABRI	Lowes Petroleum (Former Mobil) Narrabri Depot	3 Old Gunnedah ROAD	Other Petroleum	Regulation under CLM Act not required	-30.33473586	149.789587
NARRANDERA	Former Mobil Emoleum Narrandera Depot	5-7 Margaret STREET	Other Petroleum	Regulation under CLM Act not required	-34.74105391	146.5628144
NARRANDERA	Former Mobil Narrandera Depot	24 Whitton STREET	Other Petroleum	Regulation under CLM Act not required	-34.7410523	146.5620667
NARROMINE	Narromine Fuel (Former Caltex) Service Station	Cnr Burraway Street and Algalah STREET	Service Station	Regulation under CLM Act not required	-32.23565321	148.2454259
NELLIGEN	Former Clay Target Shooting Range	1398 Kings Highway and adjoining land on Old Bolaro Mountain ROAD	Unclassified	Contamination currently regulated under CLM Act	-35.64392469	150.0955224
NELLIGEN	Lot 2 Old Bolaro Road	Old Bolaro ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-35.64485609	150.0937341
NELSON BAY	Former Caltex Service Station Nelson Bay	38 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72335662	152.1429384
NELSON BAY	Shell Coles Express Service Station	25 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72265762	152.1437317
NEMINGHA	Caltex Service Station and Depot Nemingha	428 Armidale (previously 16 New England Highway) ROAD	Service Station	Regulation under CLM Act not required	-31.12425169	150.9909054
NEUTRAL BAY	Caltex Service Station	16-38 Military ROAD	Service Station	Regulation under CLM Act not required	-33.82907162	151.2163342
NEUTRAL BAY	Shell Coles Express Service Station	200-204 Ben Boyd ROAD	Service Station	Regulation under CLM Act not required	-33.82915781	151.219437
NEW LAMBTON	7-Eleven (former Mobil) Service Station	291 Turton ROAD	Service Station	Regulation under CLM Act not required	-32.91773864	151.7243096
NEW LAMBTON	BP Service Station	105 St James ROAD	Service Station	Regulation under CLM Act not required	-32.92910325	151.7155801
NEW LAMBTON	Caltex Service Station New Lambton	144 Bridges ROAD	Service Station	Regulation under CLM Act not required	-32.93283668	151.7141748
NEWCASTLE	Newcastle Foreshore	40 Stevenson Place STREET	Other Industry	Regulation under CLM Act not required	-32.92556503	151.7876742

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NEWCASTLE	Reclaimed Land	26-28 Honeysuckle DRIVE	Unclassified	Contamination formerly regulated under the CLM Act	-32.92604705	151.7649508
NEWCASTLE	SRA Land	Scott STREET	Gasworks	Regulation under CLM Act not required	-32.92641425	151.7837817
NEWCASTLE	Wharf Road Newcastle Car Park	313-317 Wharf ROAD	Unclassified	Regulation under CLM Act not required	-32.92570385	151.7744076
NEWCASTLE WEST	Former Mobil Service Station	113 Parry STREET	Service Station	Regulation under CLM Act not required	-32.92560628	151.7558542
NEWPORT	7-Eleven (former Mobil) Service Station	307 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.65632902	151.3182089
NEWPORT	Former Caltex Service Station Newport	316-324 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.65634516	151.3191571
NEWTOWN	Adjacent to Former Service Station	79 Wilson STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.89630155	151.1826567
NEWTOWN	Aluminium Enterprises	66 Brocks LANE	Metal Industry	Contamination was addressed via the planning process (EP&A Act)	-33.89467126	151.1847528
NEWTOWN	Caltex Service Station Newtown	26 - 36 Enmore ROAD	Service Station	Regulation under CLM Act not required	-33.89851331	151.17714
NEWTOWN	Former Service Station	81 Wilson STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.89626791	151.1827556
NORAVILLE	Former Toukley Landfill	Wilfred Barrett DRIVE	Landfill	Regulation under CLM Act not required	-33.27734185	151.5537784
NORTH ALBURY	Caltex Service Station and Diesel Stop	79 Union ROAD	Service Station	Regulation under CLM Act not required	-36.05496713	146.9487635
NORTH BOAMBEE VALLEY	Caltex Service Station	Cnr Pacific Hwy & Halls ROAD	Service Station	Regulation under CLM Act not required	-30.30639482	153.1007996
NORTH BONDI	Caltex Service Station North Bondi	321 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.88463526	151.268551
NORTH NARRABEEN	7-Eleven Service Station	1501-1503 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70749859	151.296351

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NORTH RICHMOND	Caltex Service Station	50 Bells Line Of ROAD	Service Station	Regulation under CLM Act not required	-33.57991338	150.7202346
NORTH ROCKS	7-Eleven Service Station North Rocks	340 North Rocks ROAD	Service Station	Regulation under CLM Act not required	-33.76895144	151.0305952
NORTH ST MARYS	BP Service Station	76 Glossop STREET	Service Station	Regulation under CLM Act not required	-33.76020183	150.7818149
NORTH ST MARYS	Mt Druitt Transmission Substation	69 Kurrajong ROAD	Other Industry	Regulation being finalised	-33.76376093	150.7921691
NORTH STRATHFIELD	Budget Service Station	143 Concord ROAD	Service Station	Regulation under CLM Act not required	-33.85945248	151.0927853
NORTH STRATHFIELD	Former Caltex Service Station	92a Concord ROAD	Service Station	Regulation under CLM Act not required	-33.86244297	151.0932434
NORTH SYDNEY	Iora Complex	1 Kiara PLACE	Gasworks	Regulation under CLM Act not required	-33.843145	151.2161142
NORTH SYDNEY	Neutral Bay Sediments	Adjacent to Sub Base Platypus, High STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.8417682	151.2158756
NORTH SYDNEY	Sub Base Platypus (previously HMAS Platypus)	High STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.84325935	151.2170347
NORTH WOLLONGONG	Former Mobil Depot	122-126 Montague STREET	Other Petroleum	Regulation under CLM Act not required	-34.40988259	150.8939374
NORTHMEAD	7-Eleven Service Station Northmead	56 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.79090731	150.9967332
NORTHMEAD	Caltex Service Station	98-100 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.78786563	150.9945909
NORTHMEAD	Coles Express Service Station Northmead	197 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.77741733	151.0001719
NORTHMEAD	Former Prestige Plastics	1C Redbank ROAD	Other Industry	Regulation under CLM Act not required	-33.79716925	150.989926
NORTHMEAD	Sydney Water Land	51c Hammers ROAD	Landfill	Regulation under CLM Act not required	-33.7887535	150.9858088

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NOWRA	Fire Station	69 Bridge ROAD	Gasworks	Regulation under CLM Act not required	-34.87081582	150.6004881
NOWRA	Former gasworks	Lamonds LANE	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.87111182	150.6000803
NOWRA	Former Gasworks Managers Residence	24 Osborne STREET	Gasworks	Regulation under CLM Act not required	-34.8708875	150.5992586
NOWRA	Former Hollingworth Scrap Yard	72-74 Jervis and 117 East STREET	Other Industry	Regulation under CLM Act not required	-34.88324216	150.6034361
NOWRA	Harry Sawkins Park	Bounded by Princes Hwy, Graham St & McGrath AVENUE	Gasworks	Regulation under CLM Act not required	-34.87093993	150.6037157
NOWRA	Historically Filled Land	70 Bridge ROAD	Unclassified	Regulation under CLM Act not required	-34.87081809	150.6013231
NOWRA	Shell Coles Express Service Station	55 Kinghorne STREET	Service Station	Regulation under CLM Act not required	-34.87633757	150.6023481
NOWRA	Woolworths Service Station	60 North Street STREET	Service Station	Regulation under CLM Act not required	-34.87266278	150.6014052
NOWRA EAST	Mobil Service Station	Lot 3 Kalandar STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.88850535	150.6093504
NYNGAN	Caltex Service Station	39-41 Pangee STREET	Service Station	Regulation under CLM Act not required	-31.56101006	147.1914997
NYNGAN	Caltex Service Station	126 Pangee STREET	Service Station	Regulation under CLM Act not required	-31.56482841	147.2002892
NYNGAN	Main West Rail Line	Mitchell HIGHWAY	Other Industry	Regulation under CLM Act not required	-31.6411651	147.344176
OAK FLATS	Shellharbour City Works Depot	132 Industrial ROAD	Other Industry	Regulation under CLM Act not required	-34.56546013	150.8087225
OBERON	Caltex Service Station and Depot	Lowes Mount ROAD	Service Station	Regulation under CLM Act not required	-33.69509055	149.8570553
OBERON	CSR Ltd Property and King's Stockyard Creek	Off Endeavour STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.6922152	149.8686909



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
OBERON	Former Shell Depot	32 O'Connell ROAD	Other Petroleum	Regulation under CLM Act not required	-33.6997172	149.8450057
OBERON	Oberon Timber Complex	Lowes Mount ROAD	Other Industry	Regulation under CLM Act not required	-33.69264862	149.8564588
OCEAN SHORES	Former Ocean Shores Service Station	Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-28.51270299	153.5301496
OLD GUILDFORD	Caltex Service Station	636-644 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.86670857	150.9879189
OLD TOONGABBIE	Baulkham Hills Transmission Substation	191z Old Windsor ROAD	Other Industry	Under assessment	-33.78166777	150.9689625
ORANGE	5-7 Edward St Orange	5-7 Edward STREET	Other Industry	Contamination currently regulated under CLM Act	-33.2991077	149.1034092
ORANGE	BP (Reliance Petroleum) Service Station Orange	56-60 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.28980053	149.1086212
ORANGE	BP Orange Service Station (Reliance Petroleum)	81 Summer STREET	Service Station	Regulation under CLM Act not required	-33.2825884	149.0951535
ORANGE	BP-Branded Lowes Petroleum Depot	197 - 201 Margaret STREET	Other Petroleum	Regulation under CLM Act not required	-33.27145977	149.1078103
ORANGE	Caltex Orange Depot	184 Byng STREET	Service Station	Regulation under CLM Act not required	-33.28285589	149.1050273
ORANGE	Caltex Summer Street Service Station Orange	70-74 Summer Street, corner Hill STREET	Service Station	Regulation under CLM Act not required	-33.28311722	149.0940712
ORANGE	Former Fuel Depot	24-28 Peisley STREET	Other Petroleum	Contamination currently regulated under CLM Act	-33.29624293	149.1017277
ORANGE	Former Mobil Service Station	24-28 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.2866912	149.1066505
ORANGE	Former Mobil Service Station	168 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.28525478	149.1037259
ORANGE	Lowes Petroleum (BP-branded) Service Station	76 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.29025034	149.1027194

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ORANGE	Woolworths Orange Service Station	357-361 Summer Street, corner William STREET	Service Station	Regulation under CLM Act not required	-33.28445811	149.1053604
OURIMBAH	Palmdale Service Centre Pty Ltd	3130 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3381336	151.374586
OURIMBAH	Shell Coles Express Service Station	78-80 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3468202	151.3710098
OURIMBAH	United Ourimbah	51 Pacific HIGHWAY	Service Station	Under assessment	-33.36025941	151.3694483
OXLEY VALE	Hayes Transport Services	10 Manilla ROAD	Other Petroleum	Regulation under CLM Act not required	-31.06991417	150.9101381
OYSTER BAY	Shell Coles Express Service Station	20 Carvers ROAD	Service Station	Contamination currently regulated under CLM Act	-34.00934475	151.0758626
OYSTER COVE	Cove Marine Pty Ltd	60 Frederick STREET	Unclassified	Contamination currently regulated under POEO Act	-32.73549959	151.952446
PADDINGTON	7-Eleven Service Station	59 Oxford STREET	Service Station	Contamination currently regulated under CLM Act	-33.88322921	151.2205024
PADDINGTON	Former Workshop	52 Hopewell STREET	Other Industry	Regulation under CLM Act not required	-33.88195798	151.2220744
PADSTOW	Caltex Padstow	115 Fairford ROAD	Service Station	Regulation under CLM Act not required	-33.9434571	151.0345671
PADSTOW	Former Exide Battery Manufacturing & Recycling	55 Bryant STREET	Other Industry	Contamination currently regulated under CLM Act	-33.94265241	151.0378986
PADSTOW	Fosco Australia	7 Stuart STREET	Chemical Industry	Regulation under CLM Act not required	-33.94342957	151.0377316
PADSTOW	Galvatech	49 Gow STREET	Metal Industry	Contamination currently regulated under POEO Act	-33.93808679	151.0346862
PADSTOW	Sebel Furniture	Parts 64 and 92 Gow STREET	Other Industry	Regulation under CLM Act not required	-33.93606752	151.0322057
PADSTOW	Selleys / Dulux	1-29 Gow STREET	Chemical Industry	Regulation under CLM Act not required	-33.93904125	151.0381725

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PAGEWOOD	Former Email Site	Corner of Page Street and Holloway STREET	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.94302462	151.2132036
PAMBULA	Offsite area (roadways) adjacent to United Service Station Pambula (former Shell)	Corner Quondola Street and Bullara STREET	Service Station	Regulation under CLM Act not required	-36.93104481	149.8746763
PARKES	BP Reliance East End Service Station Parkes	46 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.14243539	148.1846227
PARKES	BP Truckstop	(Newell Highway) 1 Forbes ROAD	Other Petroleum	Regulation under CLM Act not required	-33.14309226	148.1710282
PARKES	Caltex Service Station Parkes	352-360 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13317454	148.173643
PARKES	Former BP Telescope Service Station	339-341 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13216152	148.1743239
PARKES	Former Caltex Parkes (Mugincoble) Depot - Eugowra Rd, Mugincoble	Eugowra ROAD	Service Station	Regulation under CLM Act not required	-33.19007031	148.224822
PARKES	Former Parkes Gas Works (including Rail Corridor and offsite land)	129 Woodward Street and land within the Parkes railway CORRIDOR	Gasworks	Contamination currently regulated under CLM Act	-33.14480316	148.1844397
PARKLEA	Caltex Parklea Service Station	Old Windsor (north of Miami Street) ROAD	Service Station	Regulation under CLM Act not required	-33.72427108	150.9388531
PARRAMATTA	7-Eleven (former Mobil) Service Station	81 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80919769	151.0142894
PARRAMATTA	BP Service Station	435 Church STREET	Service Station	Regulation under CLM Act not required	-33.80498714	151.0056151
PARRAMATTA	Coleman Oval Embankment	Cnr of Pitt STREET and Maquarie STREET	Unclassified	Regulation under CLM Act not required	-33.80441625	150.9954841
PARRAMATTA	Parramatta Park Toilet Block Demolition	The Cresnet Toilet Block Parramatta PARK	Unclassified	Regulation under CLM Act not required	-33.81054034	150.9961968
PAUPONG	Former Timber Treatment Plant	Off Paupong ROAD	Other Industry	Regulation under CLM Act not required	-36.57657408	148.6624998
PENDLE HILL	7-Eleven Service Station	217 Wentworth AVENUE	Service Station	Regulation under CLM Act not required	-33.8017814	150.9577994

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PENNANT HILLS	Shell Coles Express Pennant Hills West	386 Pennant Hills ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.73928611	151.0679704
PENRITH	7-Eleven (former Mobil) Service Station	212-222 Andrews ROAD	Service Station	Regulation under CLM Act not required	-33.73059678	150.6952571
PENRITH	7-Eleven Service Station Penrith	30 Henry STREET	Service Station	Regulation under CLM Act not required	-33.75408799	150.7045594
PENRITH	BP Express Service Station	Corner Coreen Avenue and Castlereagh ROAD	Service Station	Regulation under CLM Act not required	-33.74385498	150.6925743
PENRITH	Caltex Penrith Service Station	153 Coreen AVENUE	Service Station	Regulation under CLM Act not required	-33.74287244	150.6927071
PENRITH	Caltex Service Station	Castlereagh Rd Cnr Lugard STREET	Service Station	Regulation under CLM Act not required	-33.73426843	150.6933382
PENRITH	Crane Enfield Metals	2115-2131 Castlereagh ROAD	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.73734959	150.696442
PENRITH	Former Dry Cleaners	Shop 3, 134-138 Henry STREET	Other Industry	Regulation under CLM Act not required	-28.504353	153.527028
PENRITH	Jet 60 Dry Cleaners	Shop 3 134-138 Henry STREET	Unclassified	Regulation under CLM Act not required	-33.75231953	150.6964541
PENRITH	Lowes Petroleum (Former Mobil) Depot Penrith	174 Coreen AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.74484268	150.6980504
PENRITH	Mirvac Industrial Site	2101 Castlereagh ROAD	Other Industry	Regulation under CLM Act not required	-33.73497514	150.6954097
PENSHURST	7-Eleven Service Station	612 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.96153533	151.0793525
PENSHURST	Caltex Service Station	641 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.95985335	151.0891118
PERISHER VALLEY	Perisher Centre Loading Dock	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.40392862	148.4111593
PERISHER VALLEY	Perisher Ski Resort	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.41106374	148.4005469

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PETERSHAM	7-Eleven Petersham	8-10 Crystal STREET	Service Station	Under assessment	-33.88867433	151.1585716
PETERSHAM	Fanny Durack Aquatic Centre	Station STREET	Unclassified	Regulation under CLM Act not required	-33.89194583	151.151824
PHEASANTS NEST	7-Eleven (former Mobil) Service Station	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28303112	150.6363145
PHEASANTS NEST	7-Eleven Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28291571	150.6394606
PICTON	Coles Express Picton	93-99 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.16844337	150.6114236
PICTON	McDonalds	69 -71 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.16711877	150.6121524
PITT TOWN	Whites Water Service	1 Canning PLACE	Other Industry	Regulation under CLM Act not required	-33.57418268	150.8811385
PLUMPTON	Woolworths Service Station Plumpton (Plumpton Marketplace Shops)	260 Jersey ROAD	Service Station	Regulation under CLM Act not required	-33.74478874	150.8369408
POINT PIPER	5 Wunulla Road, Point Piper	5 Wunulla ROAD	Other Industry	Under assessment	-33.8683426	151.2532699
PORT BOTANY	Bulk Liquids Berth UPSS, Port Botany	Charlotte ROAD	Other Petroleum	Regulation under CLM Act not required	-33.97386329	151.2120157
PORT BOTANY	Bunnerong Canal	Between Brotherson Dock and Bumborah Point ROAD	Unclassified	Regulation under CLM Act not required	-33.96798227	151.2230052
PORT BOTANY	Port Botany Railway Corridors	Friendship ROAD	Other Industry	Regulation under CLM Act not required	-33.95467008	151.2178012
PORT BOTANY	Port Operations Centre UPSS, Port Botany	Penrhyn ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96803686	151.2205968
PORT BOTANY	Smith Bros	4 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.9681757	151.2239505
PORT BOTANY	Terminals	45 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97609287	151.2174402

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT BOTANY	Vopak A	49 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97426175	151.2206228
PORT BOTANY	Vopak B	20 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97946548	151.2121752
PORT BOTANY	Vopak Terminals	21 Fishburn ROAD	Other Industry	Under assessment	-33.97946548	151.2121752
PORT KEMBLA	BHP Area 21	Springhill ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-34.45243931	150.8676495
PORT KEMBLA	Caltex Service Station	16 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.47058088	150.8945864
PORT KEMBLA	Coates Hire Facility (Eastern Portion)	1 Flinders STREET	Other Industry	Regulation under CLM Act not required	-34.47104817	150.89162
PORT KEMBLA	Commonwealth Rolling Mills (CRM)	Old Port ROAD	Metal Industry	Regulation under CLM Act not required	-34.47476117	150.8974746
PORT KEMBLA	Darcy Road Rail Sidings	Darcy ROAD	Other Industry	Regulation under CLM Act not required	-34.47792834	150.9105503
PORT KEMBLA	Manildra Park	Flinders STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-34.46946878	150.8935731
PORT KEMBLA	No 2 Steelworks	Five Islands ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-34.45965024	150.8844432
PORT KEMBLA	Port Kembla Copper Smelter	Military ROAD	Metal Industry	Contamination currently regulated under POEO Act	-34.4810006	150.9063426
PORT KEMBLA	Port Kembla Orica	Foreshore Road and Darcy ROAD	Other Industry	Contamination currently regulated under CLM Act	-34.47773583	150.9054545
PORT KEMBLA	Port Kembla Springhill Works	Springhill ROAD	Metal Industry	Regulation under CLM Act not required	-34.45574479	150.875052
PORT KEMBLA	Port Kembla Steelworks - No.1 Works Site	Five Islands ROAD	Metal Industry	Regulation under CLM Act not required	-34.47386606	150.8794912
PORT KEMBLA	Port Kembla Steelworks - Steelhaven	Five Islands ROAD	Other Industry	Regulation under CLM Act not required	-34.47605247	150.891144

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT KEMBLA	Port Kembla Steelworks Recycling Area	Springhill ROAD	Unclassified	Regulation under CLM Act not required	-34.45271181	150.8677127
PORT KEMBLA	Port Kembla, Auszinc Metals and Alloys	Lot 2 Shellharbour ROAD	Metal Industry	Regulation under CLM Act not required	-34.49335414	150.8961205
PORT KEMBLA	Port Kembla, Former Electricity Commission Site	Old Port Road/Christie Drive ROAD	Other Industry	Regulation under CLM Act not required	-34.46899143	150.8982854
PORT KEMBLA	Shell Port Kembla CVRO	87-89 Flinders STREET	Other Petroleum	Regulation under CLM Act not required	-34.46964995	150.8953859
PORT KEMBLA	South Yard Rail Sidings	Lot 3 Old Port ROAD	Unclassified	Regulation under CLM Act not required	-34.47500551	150.8951759
PORT MACQUARIE	Air BP Avgas Facility	Oliver DRIVE	Other Petroleum	Regulation under CLM Act not required	-31.43227222	152.8681083
PORT MACQUARIE	Caltex Port Macquarie Service Station	29 Lord STREET	Service Station	Regulation under CLM Act not required	-31.43326436	152.9169873
PORT MACQUARIE	Caltex Service Station	112-114 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.43491709	152.9047618
PORT MACQUARIE	Caltex Service Station	92 Hastings River DRIVE	Service Station	Regulation under CLM Act not required	-31.42934052	152.8830188
PORT MACQUARIE	Caltex Service Station	12-14 Bolwarra ROAD	Service Station	Regulation under CLM Act not required	-31.45015286	152.8854769
PORT MACQUARIE	Car park	28 Hayward STREET	Other Industry	Regulation under CLM Act not required	-31.43385131	152.9072399
PORT MACQUARIE	Coles Myer	43 John Oxley DRIVE	Service Station	Regulation under CLM Act not required	-31.45741442	152.8739626
PORT MACQUARIE	Former Mobil Depot	211 Lake ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44688513	152.8864499
PORT MACQUARIE	Former Mobil Service Station	Corner Oxley Highway and Major Innes DRIVE	Service Station	Regulation under CLM Act not required	-31.45738931	152.873956
PORT MACQUARIE	Port Macquarie Council Depot	Koala STREET	Unclassified	Regulation under CLM Act not required	-31.45341586	152.9032764

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT MACQUARIE	Shell Coles Express Port Macquarie Service Station	121 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.4343131	152.9046869
PORTLAND	Ivanhoe Colliery	Pipers Flat ROAD	Other Industry	Regulation under CLM Act not required	-33.36595748	150.0099577
PORTLAND	Mt Piper Power Station	350 Boulder ROAD	Other Petroleum	Regulation under CLM Act not required	-33.35581541	150.0350801
PRAIRIEWOOD	7-Eleven (former Caltex) Service Station	485-487 Smithfield ROAD	Service Station	Regulation under CLM Act not required	-33.87102509	150.9031383
PRESTONS	Jalco Automotive Pty Ltd	238 Hoxton Park ROAD	Unclassified	Under assessment	-33.92820345	150.8928415
PROSPECT	7-Eleven (former Mobil) Service Station Prospect	354 Flushcombe ROAD	Service Station	Regulation under CLM Act not required	-33.79541624	150.9049417
PROSPECT	Cottage 3, William Lawson Drive	William Lawson DRIVE	Unclassified	Regulation under CLM Act not required	-33.81490331	150.9149885
PROSPECT	Gatehouse, 544 Reservoir Road	544 Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81026272	150.9160605
PROSPECT	Pincott's Cottage, Gate C1	Off Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81589773	150.9144343
PUNCHBOWL	Caltex Service Station Punchbowl	1285-1289 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.93146308	151.0596348
PUNCHBOWL	Former BP Service Station	1375 Canterbury Road, corner Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.93170424	151.0537302
PUNCHBOWL	Punchbowl Laundry	42-44 Belmore ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.93582701	151.0562638
PUTNEY	Putney Marina	20 Waterview STREET	Other Industry	Regulation under CLM Act not required	-33.82608091	151.1003966
PYMBLE	Caltex Service Station	1089 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74102977	151.1385257
PYMBLE	Former 3M site	950 Pacific HIGHWAY	Gasworks	Regulation under CLM Act not required	-33.75050288	151.1460578



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PYMBLE	Pymble West Dry Cleaners	6 Philip MALL	Other Industry	Under preliminary investigation order	-33.76109009	151.1284329
PYMBLE	Shell Coles Express Service Station	21 Ryde ROAD	Service Station	Regulation under CLM Act not required	-33.75198512	151.1438115
PYRMONT	Former Council Works Depot (Fig and Wattle Depot)	14-26 Wattle STREET	Other Industry	Regulation under CLM Act not required	-33.8752655	151.1942645
QUAKERS HILL	7-Eleven (former Mobil) Service Station	83 Lalor ROAD	Service Station	Regulation under CLM Act not required	-33.72759077	150.8966764
QUAKERS HILL	BP Branded Parkway (Former Caltex) Service Station Quakers Hill	450 Quakers Hill PARKWAY	Service Station	Regulation under CLM Act not required	-33.72998613	150.9023617
QUEANBEYAN	95 Crawford St, Queanbeyan	95 Crawford STREET	Chemical Industry	Under assessment	-35.347074	149.22909
QUEANBEYAN	Bill Lilley Automotive	169 Crawford STREET	Service Station	Regulation under CLM Act not required	-35.35138121	149.232486
QUEANBEYAN	Caltex Queanbeyan Service Station	88 Macquoid (also known as Bungendore Rd) STREET	Service Station	Regulation under CLM Act not required	-35.34930535	149.2438607
QUEANBEYAN	Former Caltex Depot	20-30 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-35.34218326	149.2253753
QUEANBEYAN	Former Mobil Emoleum Depot	109-111 High STREET	Other Petroleum	Regulation under CLM Act not required	-35.3396115	149.237556
QUEANBEYAN	Former Mobil Service Station	153 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34425514	149.2148687
QUEANBEYAN	Woolworths Queanbeyan Service Station	196 Crawford (Cnr Morisset St) STREET	Service Station	Regulation under CLM Act not required	-35.35163055	149.2335759
QUEANBEYAN EAST	BP-Branded Service Station Queanbeyan	50 Yass ROAD	Service Station	Regulation under CLM Act not required	-35.34126641	149.2445103
QUEANBEYAN WEST	Caltex Service Station	Lanyon Dr Cnr Mccrae St (1 Suraci Place) STREET	Service Station	Regulation under CLM Act not required	-35.36372923	149.2067531
QUIRINDI	Caltex Service Station, Quirindi	199-201 George STREET	Service Station	Regulation under CLM Act not required	-31.5068778	150.6805874

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
QUIRINDI	Former Mobil Depot Quirindi	4-6 Cross STREET	Other Petroleum	Regulation under CLM Act not required	-31.49903355	150.681972
QUIRINDI	Tamarang ServiCentre Quirindi	113-117 Station (also known as 119-121 Nowland) STREET	Service Station	Under assessment	-31.50179204	150.6814611
RAMSGATE	Shell Coles Express Service Station	Grand Parade cnr Ramsgate ROAD	Service Station	Regulation under CLM Act not required	-33.98537988	151.1471234
RANDWICK	7-Eleven Service Station	126-130 Barker STREET	Service Station	Contamination currently regulated under CLM Act	-33.92096152	151.2355927
RANDWICK	Caltex Service Station	2 Alison ROAD	Service Station	Regulation under CLM Act not required	-33.9065752	151.2320697
RANDWICK	Metro Petroleum	345 Avoca STREET	Service Station	Regulation under CLM Act not required	-33.92544832	151.2396799
RANDWICK	Service Station, Randwick	33-37 Carrington ROAD	Service Station	Contamination currently regulated under CLM Act	-33.90655015	151.2525065
RAVENSWORTH	Cumnock Colliery	Pikes Gully ROAD	Other Industry	Regulation under CLM Act not required	-32.40218281	150.9960082
RAVENSWORTH	Ravensthorpe Operations Narama Mine	Lemington ROAD	Other Industry	Regulation under CLM Act not required	-32.47115903	151.0359579
RAYMOND TERRACE	Caltex Service Station Raymond Terrace	136 Adelaide Street, corner Glenelg STREET	Service Station	Regulation under CLM Act not required	-32.76503842	151.7425264
RAYMOND TERRACE	Former Motor Registry	53 William STREET	Other Petroleum	Regulation under CLM Act not required	-32.76286473	151.7445839
RAYMOND TERRACE	Former Service Station	82 Benjamin Lee DRIVE	Service Station	Under preliminary investigation order	-32.76079457	151.7738493
RAYMOND TERRACE	Raymond Terrace Wastewater Treatment Works	22 Elizabeth AVENUE	Other Industry	Regulation under CLM Act not required	-32.7745339	151.7498871
RAYMOND TERRACE	Shell Coles Express Raymond Terrace	107 Adelaide (formerly Pacific Highway) STREET	Service Station	Regulation under CLM Act not required	-32.76110922	151.7492847
RAZORBACK	Muscat Developments Pty Ltd	115 Mount View CLOSE	Other Industry	Regulation under CLM Act not required	-34.15859952	150.6328008

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
REDFERN	BP Service Station	116 Regent STREET	Service Station	Regulation under CLM Act not required	-33.89367876	151.1995256
REDFERN	BP-branded Jasbe Surry Hills	411 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89183974	151.2132466
REDFERN	Former Printing Works	101a Marriott STREET	Other Industry	Regulation under CLM Act not required	-33.89512556	151.2113422
REDFERN	Surry Hills Shopping Village	397-399 Cleveland & 2-38 Baptist STREET	Other Industry	Regulation under CLM Act not required	-33.89229521	151.2119397
REVESBY	Caltex Service Station Revesby	181 The River ROAD	Service Station	Regulation under CLM Act not required	-33.95573605	151.0171779
REVESBY	Dorf Clark Industries	184-194 Milperra ROAD	Metal Industry	Regulation under CLM Act not required	-33.93387149	151.000553
REVESBY	Mirotone Pty Ltd	21 Marigold STREET	Chemical Industry	Contamination currently regulated under POEO Act	-33.93559608	151.0002207
REVESBY	Not Applicable - various tenancies	40 Marigold STREET	Unclassified	Under assessment	-33.936901	150.998204
REVESBY	Thetis Pty Ltd - Bituminous Products	33-35 Violet STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.93702092	151.0067896
RHODES	Former Allied Feeds site	Walker STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.82465376	151.0870401
RHODES	Former Glad factory site	10-16 Marquet STREET	Chemical Industry	Regulation under CLM Act not required	-33.82884048	151.0848716
RHODES	Former UCAL site	Walker STREET	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82727505	151.0853195
RHODES	Homebush Bay sediments adjoining former Berger Paint factory	Oulton AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.83535308	151.083238
RHODES	Homebush Bay Sediments adjoining the former UCAL and Allied Feeds sites	Homebush BAY	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.8263749	151.0839216
RICHMOND	Caltex Richmond Service Station	98 March (Cnr East Market St) STREET	Service Station	Regulation under CLM Act not required	-33.59937996	150.7514483

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RICHMOND	Western Sydney University	2 College STREET	Unclassified	Under assessment	-33.619207	150.755835
RIVERSTONE	7-Eleven Riverstone	55 Garfield ROAD	Service Station	Regulation under CLM Act not required	-33.67802232	150.8635246
RIVERSTONE	Axalta Coating Systems	15-23 Melbourne ROAD	Other Industry	Regulation under CLM Act not required	-33.6636649	150.8557519
RIVERSTONE	Vacant Commercial Land	88-94 Junction ROAD	Unclassified	Regulation under CLM Act not required	-33.66226398	150.8789967
RIVERSTONE	Woolworths Vineyard Service Station, Riverstone	1 Woodland Street, corner of Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65607641	150.8724067
RIVERWOOD	7-Eleven Riverwood	30 Bonds ROAD	Service Station	Regulation under CLM Act not required	-33.9523701	151.0583887
ROCKDALE	7-Eleven (former Mobil) Service Station	293 West Botany STREET	Service Station	Regulation under CLM Act not required	-33.94995672	151.1484667
ROCKDALE	7-Eleven Service Station	99 Railway STREET	Service Station	Regulation under CLM Act not required	-33.95247322	151.1356785
ROCKDALE	Lindsay St, Rockdale	7 Lindsay STREET	Other Industry	Under assessment	-33.95900867	151.1436466
ROOTY HILL	7-Eleven (former Mobil) Service Station	106 Rooty Hill Road South ROAD	Service Station	Regulation under CLM Act not required	-33.78036181	150.8501998
ROOTY HILL	7-Eleven (former Mobil) Service Station	1042 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78214955	150.8287656
ROOTY HILL	Infrabuild NSW Pty Ltd (formerly OneSteel NSW Pty Ltd)	22 Kellogg ROAD	Other Industry	Regulation under CLM Act not required	-33.76664143	150.8493465
ROSE BAY	Caltex Rose Bay Service Station	488 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.87475145	151.2723847
ROSE BAY	Rose Bay Budget Service station	638-646 New South Head ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.87062149	151.2677617
ROSEBERY	Autofoil P/L	2 Mentmore AVENUE	Other Industry	Regulation under CLM Act not required	-33.91121318	151.2054882

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROSEBERY	Caltex Rosebery Service Station	321 Gardeners (Cnr Macquarie St) ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92302898	151.2059541
ROSEBERY	Former Industrial Site (Former Electroplating Facility)	108 Dunning AVENUE	Other Industry	Regulation under CLM Act not required	-33.91630811	151.201557
ROSEBERY	Rosebery Service Station	395 Gardeners ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92246784	151.2024589
ROSEHILL	2 Ritchie Street, Rosehill	2 Ritchie STREET	Unclassified	Contamination formerly regulated under the CLM Act	-33.82691192	151.0154948
ROSEHILL	Former Akzo Nobel site	4 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.82238826	151.0319264
ROSEHILL	James Hardie Australia and former James Hardie lands	8 and 10 Colquhoun Street and 5 Devon STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82539019	151.0339466
ROSEHILL	James Hardie Factory (former, western portion)	181 James Ruse DRIVE	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.81605834	151.0238145
ROSEHILL	Viva Clyde Western Area	Durham Street, Rosehill (Camellia Peninsula) STREET	Other Petroleum	Regulation being finalised	-33.823437	151.037481
ROSELANDS	7-Eleven (former Mobil) Service Station	91 Canary's ROAD	Service Station	Regulation under CLM Act not required	-33.93356078	151.0736274
ROSELANDS	Roselands Shopping Centre	24 Roseland AVENUE	Service Station	Regulation under CLM Act not required	-33.93499281	151.0691284
ROSELANDS	Woolworths Caltex Petrol Service Station Roselands	218 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.93303118	151.0735036
ROSEVILLE	Mobil Service Station	2 Boundary STREET	Service Station	Regulation under CLM Act not required	-33.78769177	151.1796011
ROSEVILLE CHASE	Coles Express Roseville Chase	388 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78337722	151.1973901
ROZELLE	7-Eleven (former Mobil) Service Station	178-180 (176-184) Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8630268	151.1680857
ROZELLE	BP Service Station	Corner Darling Street and Thornton STREET	Service Station	Regulation under CLM Act not required	-33.8591647	151.1716591

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROZELLE	Caltex Service Station	121 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.86252996	151.168497
ROZELLE	Kennards Rozelle	15-39 Wellington STREET	Other Petroleum	Regulation under CLM Act not required	-33.86176757	151.1686519
ROZELLE	White Bay Power Station	Robert STREET	Other Industry	Regulation under CLM Act not required	-33.86674636	151.1772204
RUFUS RIVER	SA Water Depot - Rufus River	Old Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-34.04191512	141.2679475
RUSHCUTTERS BAY	d'Albora Marinas	1b New Beach ROAD	Other Industry	Contamination currently regulated under POEO Act	-33.87351297	151.2345082
RUTHERFORD	Caltex Service Station	134-138 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7202589	151.5381526
RUTHERFORD	Former Anambah Landfill	Anambah ROAD	Landfill	Under assessment	-32.70493978	151.512629
RUTHERFORD	Rutherford Transpacific	11 Kyle STREET	Other Industry	Regulation under CLM Act not required	-32.71105203	151.500311
RUTHERFORD	Shell Coles Express Service Station Rutherford	118 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7208703	151.5394595
RUTHERFORD	Transpacific Industrial Services/Nationwide Oil Pty Ltd	99 Kyle STREET	Chemical Industry	Regulation under CLM Act not required	-32.71262159	151.5013865
RYDALMERE	BP Service Station	265 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8109483	151.0328101
RYDALMERE	Caltex Service Station	309 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81196193	151.0371185
RYDALMERE	Hunter Douglas	Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81009112	151.0384732
RYDALMERE	Mitsubishi Electric	348 Victoria ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.81040138	151.0392812
RYDALMERE	Rheem Australia	1 Alan STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.81545013	151.0295476

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RYDALMERE	United Petroleum (former 7-Eleven) Service Station Rydalmere	262-272 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81006724	151.032377
RYDE	7-Eleven (former Mobil) Service Station	326-328 Blaxland ROAD	Service Station	Regulation under CLM Act not required	-33.80242183	151.1004278
RYDE	Caltex Service Station	110 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80142973	151.1137925
RYDE	Ryde Bus Depot	51 - 75 Buffalo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.81679771	151.1225255
RYDE	Shell Coles Express Ryde	45 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80726028	151.109981
SANCTUARY POINT	United Service Station, Sanctuary Point	147 Larmer AVENUE	Service Station	Regulation under CLM Act not required	-35.09918861	150.6329537
SANDGATE	Caltex Service Station Sandgate	162 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.86501596	151.706161
SANDGATE	North Limited Storage Handling facility	Maitland ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-32.86598453	151.7012866
SANS SOUCI	7-Eleven (Former Mobil) Service Station	474 Rocky Point ROAD	Service Station	Regulation under CLM Act not required	-33.99088939	151.1333779
SANS SOUCI	BP Sans Souci	520 Rocky Point ROAD	Service Station	Contamination currently regulated under CLM Act	-33.99245122	151.1323571
SANS SOUCI	Former 7-Eleven Ramsgate	368 Rocky Point ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.98615125	151.1359961
SANS SOUCI	Former Service Station	542-544 Rocky Point ROAD	Service Station	Contamination was addressed via the planning process (EP&A Act)	-33.99376148	151.1316131
SANS SOUCI	Kendall Street Reserve	Lawson Street and Kendall STREET	Landfill	Regulation under CLM Act not required	-33.99966431	151.13005
SCHOFIELDS	Reserve 478, Grange Avenue, Schofields	Reserve 478, Grange AVENUE	Landfill	Regulation under CLM Act not required	-33.70228736	150.8518591
SCONE	BP - Former Depot	Scone St, Guernsey St & Susan STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.04599284	150.8662046

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SCONE	BP Scone	26 Kelly STREET	Service Station	Regulation under CLM Act not required	-32.04033034	150.86549
SCONE	BP Scone Service Station	58 Kelly STREET	Service Station	Contamination currently regulated under CLM Act	-32.0437827	150.8662754
SCONE	Mobil Scone Airport Elt	8 Walter Pye AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.03596733	150.8323698
SCONE	Scone Works Depot	220 Susan STREET	Other Petroleum	Regulation under CLM Act not required	-32.04444892	150.879152
SCONE	Shell Coles Express Service Station	91- 93 Kelly STREET	Service Station	Contamination currently regulated under CLM Act	-32.04715941	150.8676346
SEVEN HILLS	7-Eleven (Former Mobil) Service Station Seven Hills	151 Prospect HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76894646	150.9427004
SEVEN HILLS	Australia Post	3 Powers ROAD	Unclassified	Regulation under CLM Act not required	-33.77434009	150.9395495
SEVEN HILLS	BP-branded Jasbe Petroleum Service Station	156 Prospect HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76906502	150.9414821
SEVEN HILLS	Caltex Service Station	38 Abbott ROAD	Service Station	Regulation under CLM Act not required	-33.76692649	150.9548271
SEVEN HILLS	Caltex Service Station Seven Hills	105 Station ROAD	Service Station	Regulation under CLM Act not required	-33.77435881	150.9448733
SEVEN HILLS	Car Park (Former Brickworks / Warehouse)	1 Powers ROAD	Other Industry	Regulation under CLM Act not required	-33.77387442	150.9379787
SEVEN HILLS	Former Australian Waste Oil Refineries Site	27 Powers ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.77536127	150.9511122
SHELLY BEACH	Former Shelly Beach Landfill	Oaks AVENUE	Landfill	Regulation under CLM Act not required	-33.36700551	151.4913631
SHORTLAND	7-Eleven (Former BP) Service Station	298-302 Sandgate ROAD	Service Station	Regulation under CLM Act not required	-32.8861645	151.6953912
SHORTLAND	Former Astra Street Landfill	2 (part) & 28 (part) Astra STREET	Landfill	Contamination currently regulated under CLM Act	-32.8689426	151.6974685



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SHORTLAND	Former Lorna St landfill	8/475 Sandgate ROAD	Landfill	Regulation under CLM Act not required	-32.87888726	151.7023245
SHORTLAND	Shortland Wastewater Treatment Works	Aden STREET	Other Industry	Regulation under CLM Act not required	-32.88228564	151.6819137
SHORTLAND	Tuxford Park landfill	10 King STREET	Landfill	Regulation under CLM Act not required	-32.87721139	151.6936837
SILVERWATER	Former Printing Facility	46-58 Derby STREET	Other Industry	Under assessment	-33.83866058	151.0482675
SILVERWATER	Former Silverwater Landfill	Carnarvon ROAD	Landfill	Contamination currently regulated under CLM Act	-33.83506394	151.033214
SILVERWATER	Silverwater Correctional Complex	Holker STREET	Landfill	Regulation under CLM Act not required	-33.83123611	151.0585298
SILVERWATER	Storage Facility	54-58 Derby STREET	Unclassified	Under assessment	-33.83855869	151.0478649
SILVERWATER	Vacant property	103-105 Silverwater ROAD	Other Industry	Regulation under CLM Act not required	-33.83831374	151.0472576
SINGLETON	BP Service Station Singleton	53 George (Cnr Macquarie St) STREET	Other Petroleum	Regulation under CLM Act not required	-32.56182325	151.1748054
SINGLETON	Mobil Singleton Airport Elt	748 Range ROAD	Other Petroleum	Regulation under CLM Act not required	-32.60270846	151.1944828
SINGLETON	NSW Mines Rescue Services - Singleton	6 Lachlan AVENUE	Other Industry	Regulation under CLM Act not required	-32.54537821	151.156584
SINGLETON	Putty Saw Mill	(via Singleton) Putty ROAD	Other Industry	Contamination currently regulated under CLM Act	-32.99958725	150.7111684
SINGLETON	Shell Coles Express Service Station	69-73 George STREET	Service Station	Regulation under CLM Act not required	-32.56297156	151.1755215
SINGLETON	Singleton Gasworks	55-57 John STREET	Gasworks	Contamination formerly regulated under the CLM Act	-32.56774715	151.1658188
SMITHFIELD	Caltex Smithfield	16-18 Tait STREET	Service Station	Regulation under CLM Act not required	-33.84596441	150.9435497

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SMITHFIELD	Coles Express (former Mobil) Service Station	678 The Horsley Drive, corner Smithfield ROAD	Service Station	Regulation under CLM Act not required	-33.85376154	150.9400104
SMITHFIELD	Former Landfill	Little STREET	Landfill	Contamination being managed via the planning process (EP&A Act)	-33.85025253	150.9411561
SMITHFIELD	Freestones	1 Hume ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83577694	150.9310112
SMITHFIELD	Liquip International	13 Hume ROAD	Other Industry	Regulation under CLM Act not required	-33.83802635	150.9319034
SOUTH ALBURY	BP Border Service Station	Corner Ebden Street and Wodonga PLACE	Service Station	Contamination formerly regulated under the CLM Act	-36.08875942	146.9093882
SOUTH BOWENFELS	Shell Coles Express Service Station	Lot 1 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.50589001	150.1238487
SOUTH COOGEE	Caltex South Coogee Service Station	169-173 Malabar ROAD	Service Station	Regulation under CLM Act not required	-33.93233184	151.2574377
SOUTH GRAFTON	Caltex Service Station	Pacific Hwy Cnr Gwyder HIGHWAY	Service Station	Regulation under CLM Act not required	-29.70739015	152.9425508
SOUTH GRAFTON	Former Caltex Depot South Grafton	72-82 Swallow ROAD	Other Petroleum	Regulation under CLM Act not required	-29.73168549	152.944024
SOUTH GRAFTON	Former Caltex Service Station	46-58 Schwinghammer STREET	Service Station	Regulation under CLM Act not required	-29.71149672	152.9453337
SOUTH GRAFTON	Former United (former Mobil) Service Station	Corner Pacific Highway and Charles STREET	Service Station	Regulation under CLM Act not required	-29.70814828	152.9412928
SOUTH GRAFTON	Shell Coles Express Service Station	91 Bent STREET	Service Station	Regulation under CLM Act not required	-29.70605829	152.9400329
SOUTH GRANVILLE	Enhance Service Station South Granville	2 Rawson ROAD	Service Station	Regulation under CLM Act not required	-33.86366193	151.0088768
SOUTH KEMPSEY	Caltex Service Station	52 Lachlan STREET	Service Station	Regulation under CLM Act not required	-31.09361084	152.8370796
SOUTH LISMORE	Caltex Service Station	237 Union STREET	Service Station	Regulation under CLM Act not required	-28.82052708	153.2648111

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SOUTH LISMORE	Former Mobil Depot	26-32 Phyllis STREET	Other Petroleum	Regulation under CLM Act not required	-28.81005206	153.2660073
SOUTH LISMORE	Former Mobil Service Station	126 - 128 Union STREET	Service Station	Regulation under CLM Act not required	-28.81242175	153.267541
SOUTH LISMORE	North Coast Petroleum (Former Mobil) Depot Lismore	19-21 Elliot ROAD	Other Petroleum	Regulation under CLM Act not required	-28.81212046	153.2661935
SOUTH MURWILLUMBAH	Caltex Service Station	1-7 Buchanan (Cnr Tweed Valley Way) STREET	Service Station	Regulation under CLM Act not required	-28.32687988	153.4093274
SOUTH MURWILLUMBAH	Former Caltex Depot	39 Lundberg DRIVE	Service Station	Regulation under CLM Act not required	-28.332622	153.4212884
SOUTH MURWILLUMBAH	Former Mobil Depot	45 Wardrop STREET	Other Petroleum	Regulation under CLM Act not required	-28.33421395	153.3993772
SOUTH NOWRA	Caltex South Nowra	100 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.90516081	150.6029621
SOUTH PENRITH	7-Eleven Service Station	45 Aspen STREET	Service Station	Regulation under CLM Act not required	-33.77727694	150.7107228
SOUTH TAMWORTH	Caltex Service Station	2 Kathleen Street, corner Kent STREET	Service Station	Regulation under CLM Act not required	-31.10361712	150.9186343
SOUTH TAMWORTH	Coles Express Tamworth	251 - 253 Goonoo Goonoo ROAD	Service Station	Contamination currently regulated under CLM Act	-31.1118945	150.9228523
SOUTH WENTWORTHVILLE	Aldi Stores Development	331-339 Great Western HIGHWAY	Metal Industry	Regulation under CLM Act not required	-33.81605854	150.9697429
SOUTH WENTWORTHVILLE	Caltex Service Station	313 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.81643692	150.9718802
SOUTH WEST ROCKS	Former Shell Trial Bay Depot	Phillip DRIVE	Other Petroleum	Regulation under CLM Act not required	-30.89273836	153.0612772
SOUTH WEST ROCKS	Former Trial Bay Caltex Depot	Phillip DRIVE	Other Petroleum	Under assessment	-30.89190078	153.0573056
SOUTH WEST ROCKS	Residential area and Reserve opposite Former Caltex terminal	Phillip DRIVE	Other Petroleum	Regulation under CLM Act not required	-30.89172594	153.0573164

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SPRINGVALE	Springvale Colliery	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.40334736	150.1070462
ST CLAIR	7-Eleven (former Mobil) Service Station	4 Endeavour AVENUE	Service Station	Regulation under CLM Act not required	-33.79430926	150.7885793
ST IVES	7-Eleven (former Mobil) St Ives Service Station	157-159 Mona Vale Road, corner Putarri AVENUE	Service Station	Regulation under CLM Act not required	-33.73265301	151.1563899
ST IVES	Caltex Service Station	452 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.70752272	151.187545
ST IVES	Caltex Service Station	164 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.7307595	151.1570462
ST IVES	Caltex Service Station St Ives	363 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.7168971	151.1735263
ST IVES	Shell Service Station	179-181 Mona Vale ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.73124859	151.1575827
ST LEONARDS	Telstra Data Centre	4A Herbert STREET	Other Petroleum	Regulation under CLM Act not required	-33.81873741	151.1914222
ST MARYS	7-Eleven (former Mobil) Service Station	2 Christie STREET	Service Station	Regulation under CLM Act not required	-33.74790843	150.7767667
ST MARYS	7-Eleven (former Mobil) Service Station	2 Wilson STREET	Service Station	Regulation under CLM Act not required	-33.77790415	150.771689
ST MARYS	Caltex St Marys Service Station	Wordoo St Cnr Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75334263	150.7755489
ST MARYS	Chemcolour Industries	19-25 Anne STREET	Chemical Industry	Regulation under CLM Act not required	-33.75027071	150.7725397
ST MARYS	Former Woolworths Service Station	120-128 Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75525115	150.7752897
ST MARYS	Integral Energy Mt Druitt Transmission Substation	69 Kurrajong North ROAD	Other Industry	Regulation under CLM Act not required	-33.76376093	150.7921691
ST MARYS	Old Drycleaning location	1-7 Queen STREET	Other Industry	Under assessment	-33.76223376	150.774412

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ST MARYS	Solveco	38 LINKS ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.73875413	150.7716457
ST MARYS	St Mary's Shopping Village	10 Charles Hackett DRIVE	Other Industry	Regulation under CLM Act not required	-33.76647672	150.7710143
ST PETERS	BP Express Service Station	2 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90982281	151.1809936
ST PETERS	Burrows Industrial Estate	1-3 Burrows ROAD	Landfill	Regulation under CLM Act not required	-33.91814763	151.1789035
ST PETERS	Camdenville Park	May STREET	Other Industry	Regulation under CLM Act not required	-33.90911815	151.176951
ST PETERS	Cooks River Rail Terminal	20 Canal ROAD	Unclassified	Regulation under CLM Act not required	-33.91943986	151.1726689
ST PETERS	Former Industrial Manufacturing Facility (Taubman's Paints)	75 Mary STREET	Other Industry	Regulation under CLM Act not required	-33.91307297	151.1731383
ST PETERS	Former Tidyburn Facility	53 Barwon Park ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.9130091	151.1809912
STANMORE	125 Corunna Road	125 Corunna ROAD	Unclassified	Regulation under CLM Act not required	-33.88937382	151.1644589
STOCKTON	Former Coroba Landfill	310 Fullerton STREET	Landfill	Regulation under CLM Act not required	-32.89578751	151.7898857
STRATHFIELD	7-Eleven (former Mobil) Service Station	577 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88736091	151.0743474
STRATHFIELD SOUTH	7-23 Water Street, Strathfield South	7-23 Water STREET	Landfill	Under assessment	-33.895937	151.082035
STRATHFIELD SOUTH	Former Landfill Site	7-9 Dunlop STREET	Landfill	Regulation under CLM Act not required	-33.89509698	151.0796751
STROUD	Stroud Fuel Supplies (Former Caltex) Service Station	1 Cowper STREET	Service Station	Regulation under CLM Act not required	-32.39092749	151.9563089
SUFFOLK PARK	BP Service Station	207-209 Broken Head ROAD	Service Station	Regulation under CLM Act not required	-28.68800088	153.6083821

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SUFFOLK PARK	Suffolk Park dip site	Cnr Broken Head Road & Beech DRIVE	Cattle Dip	Regulation under CLM Act not required	-28.6874242	153.6072824
SUMMER HILL	Maurice Dry Cleaners	150 Smith STREET	Other Industry	Under assessment	-33.89191012	151.1372942
SURRY HILLS	Ausgrid Road Reserve	Mary STREET	Other Industry	Regulation under CLM Act not required	-33.88292195	151.2095176
SURRY HILLS	Former Legion Cabs (Trading) Cooperative	81 & 81A (Formerly 69 - 81) Foveaux STREET	Service Station	Regulation under CLM Act not required	-33.88470082	151.2107944
SURRY HILLS	Woolworths Petrol Surry Hills	475 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89223271	151.2161434
SUTHERLAND	7-Eleven Service Station	693 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.02976735	151.0588789
SUTHERLAND	United Service Station and Sutherland Reservoir	1 to 3 Oxford STREET	Service Station	Contamination currently regulated under CLM Act	-34.029532	151.0579906
SUTTON FOREST	Coles Express Sutton Forest West	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.60808989	150.2250592
SWANSEA	Caltex Service Station	126 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.08811841	151.6381764
SWANSEA	Swansea 1 - Wastewater Pumping Station	137 and 137a Northcote AVENUE	Other Industry	Regulation under CLM Act not required	-33.09733813	151.6473669
SYDENHAM	SRA Land	117 Railway PARADE	Other Industry	Regulation under CLM Act not required	-33.91560723	151.1656846
SYDENHAM	Sydenham XPT Maintenance Facility	Way STREET	Other Industry	Regulation under CLM Act not required	-33.91698468	151.1614089
SYDNEY	Chifley Tower (basement fuel storage area)	2 Chifley SQUARE	Other Petroleum	Under assessment	-33.8659151	151.2117496
SYDNEY	Eurostar Dry Cleaners	100 Oxford STREET	Chemical Industry	Regulation under CLM Act not required	-33.8792987	151.2156647
SYDNEY	Interpro House (OSP 46581)	447 Kent STREET	Other Petroleum	Regulation under CLM Act not required	-33.87225413	151.204761

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SYDNEY OLYMPIC PARK	Aquatic Centre Carpark Landfill	Shane Gould AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85153457	151.0678127
SYDNEY OLYMPIC PARK	Bicentennial Park	Bicentennial DRIVE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84456248	151.0788116
SYDNEY OLYMPIC PARK	Blaxland Common Landfill	Jamieson STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82638382	151.05972
SYDNEY OLYMPIC PARK	Former Golf Driving Range Landfill	Sarah Durack AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85358517	151.0713987
SYDNEY OLYMPIC PARK	Haslams Creek South Area 3	At Kronos Hill, Kevin Coombes AVENUE	Landfill	Contamination formerly regulated under the CLM Act	-33.84113059	151.0602966
SYDNEY OLYMPIC PARK	Kronos Hill Landfill	Kevin Coombes AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84014442	151.0649521
SYDNEY OLYMPIC PARK	RMS Western Precinct	14A-14E and 16 Hill ROAD	Other Petroleum	Regulation under CLM Act not required	-33.82239777	151.0758664
SYDNEY OLYMPIC PARK	Wilson Park (Former oil gas plant site)	Newington ROAD	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82623982	151.0536833
SYDNEY OLYMPIC PARK	Woo-la-ra Landfill	Hill ROAD	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82695807	151.07282
SYLVANIA	Caltex Service Station	61 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.0140089	151.104212
SYLVANIA HEIGHTS	Ampol Service Station (former Caltex) - Sylvania Heights	414-416 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.02361051	151.0895394
TALBINGO	Former grit blasting site	Old Damsite ROAD	Other Industry	Regulation under CLM Act not required	-35.60894551	148.3030165
TALBINGO	Old Town Landfill	Bridle STREET	Landfill	Regulation under CLM Act not required	-35.59018237	148.3041771
TALBINGO	T3 Spoil dump and adjoining river sediments	Off Snowy Mountains HIGHWAY	Landfill	Contamination formerly regulated under the CLM Act	-35.6177268	148.2926158
TALLAWANG	Rail Corridor at Tallawang	Whistons LANE	Other Industry	Under assessment	-32.211846	149.476716

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAMINDA	Cleanaway Operations Pty Ltd	31 Gunnedah ROAD	Other Industry	Under assessment	-31.09621029	150.9051567
TAMINDA	Cummins South Pacific Pty Ltd	141 Gunnedah ROAD	Other Petroleum	Under assessment	-31.09675	150.89175
TAMINDA	Mobil Depot	9 Hinkler ROAD	Other Petroleum	Regulation under CLM Act not required	-31.09584286	150.9040493
TAMINDA	Taminda Depots and Adjacent Areas	27-29 Gunnedah ROAD	Other Petroleum	Under assessment	-31.09642128	150.9058193
TAMWORTH	Caltex Star Tamworth	21 White STREET	Service Station	Regulation under CLM Act not required	-31.09255137	150.9341709
TAMWORTH	Caltex Tamworth Service Station	109 Gunnedah ROAD	Service Station	Regulation under CLM Act not required	-31.09723226	150.8955299
TAMWORTH	Curlew Crescent	19-29 Curlew CRESCENT	Metal Industry	Regulation under CLM Act not required	-31.06963607	150.9069306
TAMWORTH	Elgas Depot (former gasworks)	115 Marius STREET	Gasworks	Under preliminary investigation order	-31.08546191	150.926437
TAMWORTH	Elovera Former Sheep Dip	730 Ascot Calala ROAD	Cattle Dip	Regulation under CLM Act not required	-31.1801846	150.962897
TAMWORTH	Former Mobil Service Station	373-375 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.10122679	150.9441341
TAMWORTH	Former Service Station Tamworth	(Cnr Scott Rd) 254-256 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.1118945	150.9228523
TAMWORTH	Former Service Station, Fitzpatrick Super Fund, Tamworth	210 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.10613594	150.9234143
TAMWORTH	Gunnedah Road Site	49 GUNNEDAH ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-31.09574904	150.9021583
TAMWORTH	Housing NSW	29 -33 White STREET	Other Petroleum	Regulation under CLM Act not required	-31.0915651	150.9357811
TAMWORTH	Kensell's Mitsubishi	11-14 Kable AVENUE	Other Petroleum	Regulation under CLM Act not required	-31.08921565	150.9273063



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAMWORTH	Proposed ALDI Store Tamworth	194-196 Peel STREET	Other Industry	Under assessment	-31.08522053	150.9260054
TARAGO	Tarago former Station Masters Cottage	106 Goulburn STREET	Landfill	Under assessment	-35.06938653	149.6521178
TARAGO	Tarago Railway Siding	Goulburn STREET	Other Industry	Contamination currently regulated under CLM Act	-35.0695949	149.6516166
TARCUTTA	Mobil Service Station	(Hume Highway) 32 Sydney STREET	Service Station	Contamination formerly regulated under the CLM Act	-35.2772942	147.73574
TAREE	20 Pitt Street, Taree	20 Pitt STREET	Other Petroleum	Under assessment	-31.903993	152.482102
TAREE	Caltex Service Station	104-106 Commerce STREET	Service Station	Regulation under CLM Act not required	-31.90720519	152.4500926
TAREE	Caltex Taree	12 Pitt STREET	Service Station	Regulation under CLM Act not required	-31.90551738	152.4783334
TAREE	Footpath in front of the former BP service station	53-55 Victoria STREET	Service Station	Regulation under CLM Act not required	-31.91015653	152.4659073
TAREE	Former BP Service Station (Reliance Petroleum)	150 Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.93842026	152.4682056
TAREE	Former Caltex Depot	44 Stevenson STREET	Other Petroleum	Regulation under CLM Act not required	-31.90563595	152.4640848
TAREE	Former Shell Depot	53-55 Stevenson STREET	Other Petroleum	Regulation under CLM Act not required	-31.90514622	152.4649706
TAREE	United Service Station and Former Mobil Depot	85 Muldoon Street, corner Grey Gum ROAD	Service Station	Regulation under CLM Act not required	-31.89744109	152.4508569
TAREN POINT	Caltex Service Station	114 Taren Point ROAD	Service Station	Regulation under CLM Act not required	-34.02065958	151.1218938
TAREN POINT	Former manufacturing site	46-50 Bay ROAD	Other Industry	Regulation under CLM Act not required	-34.0236184	151.1231649
TAREN POINT	Former Oyster Farm	Part 2R Alexander Avenue and part 98 Woodlands ROAD	Other Industry	Contamination was addressed via the planning process (EP&A Act)	-34.01714802	151.1252694

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAREN POINT	Former Oyster Farmer	1A Atkinson ROAD	Other Industry	Regulation under CLM Act not required	-34.02081803	151.1283282
TAREN POINT	Mangrove Lane Cycle pathway	Mangrove LANE	Unclassified	Regulation under CLM Act not required	-34.02404025	151.1324783
TAREN POINT	Redevelopment Site	25 Bay ROAD	Landfill	Regulation under CLM Act not required	-34.02119591	151.1274727
TAREN POINT	Shell Coles Express Service Station	99-103 Parraweena ROAD	Service Station	Regulation under CLM Act not required	-34.02630233	151.1200897
TELARAH	ACIRL	5 Junction STREET	Other Industry	Regulation under CLM Act not required	-32.73457183	151.5400128
TELARAH	Former Ausgrid Depot	Green STREET	Other Industry	Regulation under CLM Act not required	-32.7276446	151.5269745
TEMORA	Former Temora Roundhouse	Corner Victoria and Camp STREET	Unclassified	Regulation under CLM Act not required	-34.45074538	147.5295383
TEMORA	Woolworths Caltex Temora	98-100 Hoskins STREET	Service Station	Regulation under CLM Act not required	-34.44324584	147.5318667
TEMPE	Caltex Service Station	775 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.9253681	151.1596532
TEMPE	Former Tempe Tip	South STREET	Landfill	Contamination currently regulated under CLM Act	-33.92558642	151.1667178
TEMPE	Railcorp Site Renwick Street	Renwick STREET	Other Industry	Regulation under CLM Act not required	-33.91997709	151.1576058
TEMPE	Tempe Depot	1a Gannon STREET	Other Petroleum	Regulation under CLM Act not required	-33.92408255	151.1596469
TENTERFIELD	United Tenterfield Service Station	94 Rouse STREET	Service Station	Under assessment	-29.06260969	152.0168305
TERALBA	Lake Macquarie Teralba Sanitary Depot	Griffen ROAD	Landfill	Regulation under CLM Act not required	-32.9372059	151.6214528
TERALBA	Lucky's Scrap Metal Yard	21 Racecourse ROAD	Metal Industry	Contamination currently regulated under CLM Act	-32.946864	151.617113

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TERANIA CREEK	Former Izzards Cattle Tick Dip	Wallace ROAD	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.64999469	153.2788615
THE ENTRANCE NORTH	The Entrance North Beach (Crown Reserve)	25CR Hargraves STREET	Landfill	Under assessment	-33.33770829	151.5050033
THE ROCKS	Dawes Point Park	Hickson ROAD	Other Industry	Regulation under CLM Act not required	-33.85518053	151.2089319
THIRLMERE	Thirlmere Rail Heritage Museum	10 Barbour ROAD	Other Industry	Regulation under CLM Act not required	-34.20689245	150.5693902
THORNLEIGH	Caltex Thornleigh Service Station	192-198 Pennant Hills (Cnr Duffy Ave) ROAD	Service Station	Regulation under CLM Act not required	-33.72660793	151.08364
THORNLEIGH	Coles Express Service Station Thornleigh	188 - 190 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.72502184	151.0850569
THORNTON	Energy Australia Thornton Pole Yard	55 Weakleys DRIVE	Other Industry	Regulation under CLM Act not required	-32.79973875	151.6374998
TIGHES HILL	Former Ampol Depot	94 Elizabeth STREET	Other Petroleum	Regulation under CLM Act not required	-32.90658137	151.757239
TIGHES HILL	Former Mobil Terminal	110 Elizabeth STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-32.90600406	151.7586907
TIGHES HILL	Holcim Australia Cement Batching Plant	340 Industrial DRIVE	Other Industry	Regulation under CLM Act not required	-32.90532418	151.7574857
TIGHES HILL	SRA Land	73 Elizabeth STREET	Unclassified	Regulation under CLM Act not required	-32.90795794	151.754631
TOCUMWAL	Former Mobil Depot	250 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-35.79180653	145.5648214
TOCUMWAL	Former Mobil Depot	79-83 Deniliquin ROAD	Other Petroleum	Regulation under CLM Act not required	-35.80914914	145.5585528
TOMAGO	Balcombe Sweat Furnace	26 Laverick AVENUE	Metal Industry	Regulation under CLM Act not required	-32.82557395	151.7056416
TOMAGO	Former Hydromet Site	25 School DRIVE	Metal Industry	Under assessment	-32.8301553	151.7300603

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TOMAGO	RZM Site - Tomago	1877 Pacific HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.81419433	151.6985159
TOMERONG	Log Cabin Service Station (United Petroleum)	D1300 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.01820959	150.5779687
TOONGABBIE	7-Eleven (Former Mobil) Service Station Toongabbie	3 Metella ROAD	Service Station	Regulation under CLM Act not required	-33.78692357	150.9462837
TOORMINA	Caltex Service Station	2 Minorca PLACE	Service Station	Regulation under CLM Act not required	-30.35229568	153.0906606
TORONTO	155B Brighton Avenue, Toronto NSW 2283	155B Brighton AVENUE	Other Industry	Under assessment	-33.0149011	151.5997613
TORONTO	BP Toronto Service Station	132 Cary (Cnr Donnelly Ave) STREET	Service Station	Regulation under CLM Act not required	-33.01144673	151.5937863
TORONTO	Caltex Service Station	147 Cary STREET	Service Station	Regulation under CLM Act not required	-33.01288007	151.5928388
TORONTO	Coles XP (Former Mobil) Toronto Service Station	133 - 137 Cary (Cnr Thorne St) STREET	Service Station	Regulation under CLM Act not required	-33.01187681	151.5930879
TORONTO	Toronto Hotel	74 Victory PARADE	Unclassified	Regulation under CLM Act not required	-33.01214835	151.5958127
TOUKLEY	7-Eleven Australia	287 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26469166	151.5462414
TOUKLEY	Former Shell Toukley Autoport	211 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26383791	151.5386268
TRANGIE	Caltex Service Station	(Mitchell Hwy) 76 Narromine STREET	Service Station	Regulation under CLM Act not required	-32.03234676	147.985164
TUGGERAH	BP Tuggerah	100 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.30578167	151.4198083
TUMBARUMBA	Former Caltex Depot	150 Albury STREET	Other Petroleum	Regulation under CLM Act not required	-35.77024081	147.9927182
TUMBI UMBI	Former Tumbi Landfill	140 Bellevue ROAD	Landfill	Regulation under CLM Act not required	-33.3993472	151.456471

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TUMUT	CSR Blue Dam	Jepsen AVENUE	Other Industry	Regulation under CLM Act not required	-35.30098337	148.1958308
TUMUT	CSR Railway cutting	Jepsen AVENUE	Unclassified	Regulation under CLM Act not required	-35.30422002	148.1942579
TUMUT	Former Telstra Depot	22-26 Carey STREET	Other Industry	Regulation under CLM Act not required	-35.29873079	148.2191122
TUNCESTER	Asbestos Waste Burial Site	13 Rifle Range ROAD	Other Industry	Contamination currently regulated under CLM Act	-28.79939255	153.2193708
TUROSS HEAD	Tern Inn Restaurant (abandoned UPSS)	2 Trafalgar ROAD	Service Station	Regulation under CLM Act not required	-36.05871059	150.1308443
TURRAMURRA	7-Eleven (former Mobil) Service Station Turramurra	1408 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73326389	151.1264194
TURRAMURRA	Woolworths Service Station	1233 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73317594	151.1313195
TURRELLA	Tulloch Australia Pty Ltd	61 Turrella STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.92857213	151.1475387
TWEED HEADS	Former Mobil Quix Service Station	60 MINJUNGBAL DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-28.20143775	153.5445381
TWEED HEADS	Francis Street Road Reserve adjacent to 79-81 Wharf Street, Tweed Heads	79-81 Wharf STREET	Other Petroleum	Regulation under CLM Act not required	-28.17351959	153.542262
TWEED HEADS	Tweed Heads Slipway	8 Terranora TERRACE	Landfill	Under assessment	-28.18052246	153.5416407
TWEED HEADS SOUTH	Coles Express Service Station	Corner Minjungbal Drive and Heffron STREET	Service Station	Regulation under CLM Act not required	-28.19459987	153.5419978
TWEED HEADS SOUTH	Former BP Depot	142 Minjungbal DRIVE	Other Petroleum	Regulation under CLM Act not required	-28.20860702	153.5455932
TWEED HEADS SOUTH	Woolworths Plus Petrol	98-102 Pacific (100 Minjungbal Drive) HIGHWAY	Service Station	Regulation under CLM Act not required	-28.20488521	153.5448675
TWEED HEADS WEST	Caltex Service Station	96 to 98 Kennedy DRIVE	Service Station	Regulation under CLM Act not required	-28.1871486	153.5229866

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TYAGARAH	Tyagarah Airstrip	25 Staceys WAY	Other Petroleum	Regulation under CLM Act not required	-28.59511995	153.546834
ULAN	Ulan Coal Mine	4505 Ulan ROAD	Other Industry	Regulation under CLM Act not required	-32.25620603	149.7558075
ULLADULLA	Caltex Service Station	62A Deering Street, corner Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36276828	150.473578
ULLADULLA	Coles Express Ulladulla	153 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36288274	150.47272
ULLADULLA	Woolworths Petrol Station	155-157 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36316263	150.4725668
ULTIMO	Shell Coles Express Service Station	387-429 Wattle STREET	Service Station	Regulation under CLM Act not required	-33.88138825	151.1966791
UNANDERRA	BlueScope Stainless Steel	13 Marley PLACE	Metal Industry	Contamination currently regulated under CLM Act	-34.44959798	150.8571632
UNANDERRA	Caltex Service Station	86-98 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.45414951	150.845165
UNANDERRA	DGL Environmental Pty Ltd	201 Five Islands ROAD	Metal Industry	Under assessment	-34.45384578	150.8552253
UNANDERRA	Endeavour Energy Springhill Field Service Centre	195 Five Island ROAD	Other Industry	Regulation under CLM Act not required	-34.45837706	150.8598825
UNANDERRA	Former Prime Service Station and adjoining lands	41-49 Princes HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-34.45056105	150.8490833
UNANDERRA	Unanderra Weekend Detention Centre	34-40 Lady Penryhn DRIVE	Landfill	Regulation under CLM Act not required	-34.4620226	150.8473821
UNANDERRA	Veolia Environmental Services	9 Waynote PLACE	Other Industry	Regulation under CLM Act not required	-34.46042393	150.863232
URALLA	Caltex Service Station	103 Bridge STREET	Service Station	Regulation under CLM Act not required	-30.64524911	151.4934484
URALLA	Phoenix Foundry	44 Duke STREET	Metal Industry	Regulation under CLM Act not required	-30.65093272	151.5004479

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
URANQUINTY	Former Caltex Depot Kapooka (Wagga Wagga)	6876 Olympic (Uranquinty Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-35.15319793	147.3085469
URUNGA	Former Antimony Process plant	Hillside DRIVE	Chemical Industry	Contamination currently regulated under CLM Act	-30.50422942	153.0132011
VALENTINE	BP Express Service Station	855 Macquarie DRIVE	Service Station	Regulation under CLM Act not required	-33.00801109	151.6425806
VALENTINE	Valentine Public School	Tallawalla ROAD	Unclassified	Regulation under CLM Act not required	-33.0091613	151.6423231
VALLA	BP Nambucca Heads (Travel Centre and Truckstop)	2 Corkwood ROAD	Other Industry	Regulation under CLM Act not required	-30.62648768	152.9727148
VILLAWOOD	Ettason Villawood Site	2A Birmingham AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.87877335	150.9827722
VILLAWOOD	Former Defence Site	29 Biloela STREET	Landfill	Regulation under CLM Act not required	-33.88782978	150.9886275
VILLAWOOD	Former Electrical Component Manufacturer	66 Christina ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.88018315	150.9838773
VILLAWOOD	Former Orica Crop Care	2 Christina ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.880329	150.9896329
VILLAWOOD	Former Siemens/Westinghouse	49 Miowera ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.87641909	150.9836746
VILLAWOOD	Former Toll Site	110A Christina ROAD	Other Industry	Under preliminary investigation order	-33.87919117	150.9812193
VILLAWOOD	PPG Industries	9 Birmingham AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.87800757	150.9887929
VINEYARD	Shell Coles Express Service Station	731 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65780463	150.8753245
WAGGA WAGGA	Ashmont Autoport	Cnr Tobruk Street and Bardia STREET	Service Station	Regulation under CLM Act not required	-35.12517373	147.329919
WAGGA WAGGA	BP Wagga Wagga	180 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11850802	147.3639619

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WAGGA WAGGA	Caltex (former Mobil) Service Station	106 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11910909	147.3682364
WAGGA WAGGA	Caltex Service Station	56 - 60 Docker St STREET	Service Station	Regulation under CLM Act not required	-35.11737947	147.3558145
WAGGA WAGGA	Caltex Service Station	170 Fitzmaurice STREET	Service Station	Regulation under CLM Act not required	-35.10289587	147.3679002
WAGGA WAGGA	Coles Express Wagga Wagga	353-355 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11606625	147.3509339
WAGGA WAGGA	Former BP Service Station	31 Bourke STREET	Service Station	Regulation under CLM Act not required	-35.12626628	147.3547199
WAGGA WAGGA	Former Caltex Depot	60 Lake Albert DRIVE	Service Station	Regulation under CLM Act not required	-35.12316794	147.37724
WAGGA WAGGA	Former Caltex Service Station	343 Hammond AVENUE	Service Station	Regulation under CLM Act not required	-35.12420793	147.4157959
WAGGA WAGGA	Former Dry Cleaning Facility	183 Fitzmaurice STREET	Other Industry	Contamination currently regulated under CLM Act	-35.10209987	147.3683852
WAGGA WAGGA	Former Gasworks	54 Charston STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-35.12262069	147.3482778
WAGGA WAGGA	Former Gasworks	Cnr Tarcutta Street and Cross STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-35.10871183	147.3737933
WAGGA WAGGA	Former Iron Foundry	212-230 Hammond STREET	Metal Industry	Regulation under CLM Act not required	-35.12605478	147.4045461
WAGGA WAGGA	Former Mobil Depot Wagga Wagga	97-99 Coleman STREET	Other Petroleum	Regulation under CLM Act not required	-35.12173871	147.3576651
WAGGA WAGGA	Former Wiradjuri landfill	Narrung STREET	Landfill	Under assessment	-35.09628532	147.3619535
WAHROONGA	7-Eleven Service Station	1579 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71974617	151.1168106
WAHROONGA	Coles Express Wahroonga	1601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71945571	151.1163002



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WAITARA	Caltex Service Station	59-61 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71064349	151.1024644
WALGETT	Former Shell Depot	Castlereagh HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-30.00861179	148.1239938
WALLERAWANG	Lidsdale Coal Loading Facility	Main STREET	Other Industry	Regulation under CLM Act not required	-33.39996523	150.0737717
WALLERAWANG	Wallerawang Power Station	1 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.40339296	150.0855101
WALLSEND	Ausgrid Wallsend Depot	Abbott STREET	Other Industry	Regulation under CLM Act not required	-32.90162796	151.6857267
WALLSEND	Caltex Maryland Service Station Wallsend	41 Minmi ROAD	Service Station	Regulation under CLM Act not required	-32.88967866	151.6619253
WALLSEND	Cnr of Douglas Street and 111 Newcastle Road Wallsend	111 Newcastle ROAD	Metal Industry	Regulation under CLM Act not required	-32.90416617	151.6832227
WALLSEND	Coles Express Wallsend East	15 Thomas STREET	Service Station	Regulation under CLM Act not required	-32.90719444	151.6693426
WALLSEND	OneSteel Recycling	64-80 Sandgate ROAD	Metal Industry	Regulation under CLM Act not required	-32.89425477	151.6799648
WAMBERAL	Caltex Service Station	654 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.42338668	151.4375685
WANGI WANGI	Myuna Colliery	Wangi Point ROAD	Other Industry	Regulation under CLM Act not required	-33.06139532	151.5697186
WARATAH	Waratah Area Health	Turton ROAD	Unclassified	Regulation under CLM Act not required	-32.90961233	151.7260867
WARATAH	Waratah former Gasworks	Turton and Georgetown ROADS	Gasworks	Contamination currently regulated under CLM Act	-32.90591166	151.7272715
WARDELL	Nancy's Cattle Dip, Thurgates Lane, Wardell	Thurgates LANE	Cattle Dip	Regulation under CLM Act not required	-28.9540212	153.4274874
WARILLA	Woolworths Petrol Warilla	43 -57 Shellharbour ROAD	Service Station	Regulation under CLM Act not required	-34.5470966	150.863748

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WARKWORTH	Emulsion Plant, Dyno Nobel Asia Pacific Pty Ltd	186 Long Point ROAD	Chemical Industry	Regulation under CLM Act not required	-32.5781708	151.0834387
WARKWORTH	United Colliery	Jerrys Plains ROAD	Other Industry	Regulation under CLM Act not required	-32.5654356	150.9916698
WARNERS BAY	7-Eleven (former Mobil) Service Station	393 Hillsborough ROAD	Service Station	Regulation under CLM Act not required	-32.9659363	151.6543264
WARNERS BAY	Caltex Service Station	55 King STREET	Service Station	Regulation under CLM Act not required	-32.97418806	151.6476184
WARNERS BAY	Historically Filled Land	41-43 Charles STREET	Unclassified	Regulation under CLM Act not required	-32.97340461	151.6464383
WARNERVALE	Former Timber Treatment Plant	Aldenham and Railway ROADS	Other Industry	Contamination formerly regulated under the CLM Act	-33.24732018	151.4469037
WARRAGAMBA	Megarry's Creek Site	Weir ROAD	Unclassified	Regulation under CLM Act not required	-33.8873146	150.5967305
WARRAGAMBA	Warragamba Dam Viewing Platform	Eighteenth STREET	Unclassified	Regulation under CLM Act not required	-33.88545624	150.6016219
WARRAWONG	Caltex Service Station	75-77 King STREET	Service Station	Regulation under CLM Act not required	-34.49037817	150.888802
WARREN	Caltex Warren Service Station	1 Coonamble ROAD	Service Station	Regulation under CLM Act not required	-31.69508383	147.8405578
WARREN	Former Mobil Warren Depot	16 Dubbo STREET	Other Petroleum	Contamination currently regulated under CLM Act	-31.6943058	147.8314606
WARREN	Former Shell Depot	8 Dubbo STREET	Other Petroleum	Regulation under CLM Act not required	-31.69379262	147.8308088
WARWICK FARM	Warwick Farm Public School	95 Lawrence Hargrave ROAD	Unclassified	Regulation under CLM Act not required	-33.90978695	150.9291852
WATERLOO	22-24 Archibald Avenue	22-24 Archibald AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.90206938	151.2139293
WATERLOO	Divercity Waterloo Blocks C & D and adjacent plaza / park	1, 9, 13, 13A, 13B and 23 Archibald Avenue, 20 Dunkerley Place and 850 Bourke STREET	Other Industry	Regulation under CLM Act not required	-33.90200158	151.2098496

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WATERLOO	Iconic (Former Chubb Factory) Waterloo	830-838 Elizabeth STREET	Other Industry	Regulation under CLM Act not required	-33.90227718	151.2060305
WATERLOO	Lawrence Dry Cleaners	887-893 Bourke STREET	Unclassified	Contamination currently regulated under CLM Act	-33.89897433	151.2101436
WATERLOO	Proposed Construction Site	2 John STREET	Other Industry	Regulation under CLM Act not required	-33.89989686	151.2010324
WATERLOO	Shell Coles Express Service Station	867-877 South Dowling STREET	Service Station	Regulation under CLM Act not required	-33.90179774	151.2143789
WATERLOO	Waverley Woollahra Process Plant	355 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9063092	151.2042672
WAUCHOPE	Expressway Spares UST	3 Sancrox ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44163879	152.8231104
WAUCHOPE	Former Shell Depot	56-64 High STREET	Other Petroleum	Regulation under CLM Act not required	-31.45804845	152.7314151
WAUCHOPE	Former Timber Treatment Site	Blackbutt DRIVE	Other Industry	Regulation under CLM Act not required	-31.46575645	152.7228555
WAUCHOPE	Shell Coles Express Service Station	64 High STREET	Service Station	Regulation under CLM Act not required	-31.45764495	152.7315975
WAUCHOPE	Wauchope Public Primary School	2 Waugh STREET	Unclassified	Regulation under CLM Act not required	-31.45602953	152.7295059
WAUCHOPE	Wauchope Service Station	57 High STREET	Service Station	Regulation under CLM Act not required	-31.45737022	152.7305018
WAVERTON	Berry's Bay Woodley's Marina	1 Balls Head DRIVE	Other Industry	Contamination formerly regulated under the POEO Act	-33.84441851	151.1947433
WAVERTON	Oyster Cove AGL	2 King STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.83637995	151.193541
WAVERTON	SRA Land	95 Bay ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-33.83716728	151.1969497
WEE JASPER	Wee Jasper Tavern	6499 Wee Jasper ROAD	Other Industry	Regulation under CLM Act not required	-35.10992483	148.679428

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WELLINGTON	BP Wellington Service Station	35A Maxwell STREET	Service Station	Regulation under CLM Act not required	-32.55835121	148.9447284
WELLINGTON	Former Caltex Service Station	124-128 Lee STREET	Service Station	Regulation under CLM Act not required	-32.55082729	148.9411537
WELLINGTON	J&J Mechanical	1 Warrawee STREET	Gasworks	Under assessment	-32.545836	148.943343
WELLINGTON	Police Citizens Youth Club (PCYC)	69 Gobolon STREET	Gasworks	Under assessment	-32.545646	148.944019
WELLINGTON	The Wash Shed (Laundromat)	67 Gobolon STREET	Gasworks	Under assessment	-32.545529	148.94374
WELLINGTON	Woolworths Petrol Wellington	79 Lee STREET	Service Station	Regulation under CLM Act not required	-32.54874227	148.9408531
WENTWORTH	Caltex - Wentworth	110 Adams STREET	Service Station	Regulation under CLM Act not required	-34.1024927	141.9160539
WENTWORTH FALLS	Bodington Hospital	Bodington DRIVE	Unclassified	Contamination formerly regulated under the CLM Act	-33.73204611	150.3874554
WENTWORTH POINT	Former TNT Express	23 Bennelong PARKWAY	Other Petroleum	Regulation under CLM Act not required	-33.83115118	151.0726636
WENTWORTH POINT	RMS Eastern Precinct	3-7 Burroway ROAD	Other Petroleum	Regulation under CLM Act not required	-33.8233882	151.0815668
WENTWORTHVILLE	Former Workshop	2 Rawson Rd and 8 Barfil CRESCENT	Unclassified	Regulation under CLM Act not required	-33.81568808	150.9671853
WERRINGTON	Caltex Service Station	Cnr Dunheved Rd and Henry Lawson DRIVE	Service Station	Regulation under CLM Act not required	-33.74577725	150.7409877
WERRINGTON	Claremont Meadows Former landfill	Gipps STREET	Landfill	Regulation under CLM Act not required	-33.77341076	150.7557628
WERRINGTON COUNTY	7-Eleven Werrington	Lot 122 Dunheved ROAD	Service Station	Regulation under CLM Act not required	-33.74699408	150.7428609
WEST BALLINA	Caltex Big Prawn Service Station	Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-28.86374913	153.5321482

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WEST GOSFORD	Adcock Memorial Park	Central Coast HIGHWAY	Landfill	Contamination currently regulated under CLM Act	-33.42963075	151.3273331
WEST GOSFORD	Caltex Service Station	283 Manns ROAD	Service Station	Regulation under CLM Act not required	-33.41659727	151.325219
WEST GOSFORD	Caltex Service Station	69-71 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.42729985	151.3214621
WEST GOSFORD	Caltex Service Station	30a Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.42778813	151.3190581
WEST NOWRA	Endeavour Energy Nowra Field Service Centre	20 Depot ROAD	Other Industry	Regulation under CLM Act not required	-34.88993085	150.5878854
WEST PENNANT HILLS	7-Eleven (former Mobil) Service Station	552 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.74686545	151.0508067
WEST RYDE	7-Eleven (former Mobil) Service Station	917 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80921103	151.0932917
WEST RYDE	JHM Property Development	2A Mellor STREET	Other Industry	Regulation under CLM Act not required	-33.81207534	151.094598
WEST RYDE	Pfizer Australia Pty Ltd	38-42 Wharf ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81021085	151.0693631
WEST RYDE	Reckitt Benckiser	44 Wharf ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81172205	151.0692752
WEST TAMWORTH	Woolworths Petrol	119 Bridge STREET	Service Station	Regulation under CLM Act not required	-31.09358262	150.9167693
WEST WALLSEND	West Wallsend Cemetery	6 Cemetery ROAD	Unclassified	Regulation under CLM Act not required	-32.9025615	151.5701278
WEST WYALONG	Caltex Depot	(Wyalong By-pass Rd) Lot 1-3 Showground ROAD	Service Station	Regulation under CLM Act not required	-33.92580863	147.1978504
WEST WYALONG	Former Mobil Depot	104 Compton ROAD	Other Petroleum	Regulation under CLM Act not required	-33.93449194	147.2147948
WEST WYALONG	Lowes Petroleum (Former BP) Depot West Wyalong	Compton (formerly known as Town Bypass/Railway Road) ROAD	Other Petroleum	Regulation under CLM Act not required	-33.93440247	147.2154596

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WESTON	Illegal Dumping Site	Corner Kline Street & First STREET	Unclassified	Regulation under CLM Act not required	-32.81367986	151.4551507
WETHERILL PARK	BOC Sydney Operations Centre	428-440 Victoria STREET	Chemical Industry	Regulation being finalised	-33.84375988	150.8960027
WETHERILL PARK	Camide Former Landfill	Newton ROAD	Landfill	Regulation under CLM Act not required	-33.83898879	150.8963813
WETHERILL PARK	Cleanaway (Formerly Nationwide Oil) Wetherill Park	6 Davis ROAD	Other Industry	Regulation under CLM Act not required	-33.83770038	150.9045197
WETHERILL PARK	Fairfield Sustainable Resource Centre	Corner Hassall Street and Widemere ROAD	Other Industry	Under assessment	-33.83860329	150.9170013
WETHERILL PARK	Former Fuel Storage Depot	200-212 Cowpasture ROAD	Other Petroleum	Regulation under CLM Act not required	-33.84568871	150.8764012
WETHERILL PARK	Shell Coles Express Service Station	565 Polding STREET	Service Station	Regulation under CLM Act not required	-33.8569731	150.8992804
WETHERILL PARK	Sims Wetherill Park	35-37 Frank STREET	Metal Industry	Regulation under CLM Act not required	-33.84056122	150.9086265
WICKHAM	Caltex Terminal and "Building 33" on offsite adjacent land	156 Hannell Street and 33 Annie STREET	Other Petroleum	Contamination currently regulated under CLM Act	-32.9153413	151.7560062
WICKHAM	Former Factory	57 Annie STREET	Other Industry	Regulation under CLM Act not required	-32.91524827	151.7539893
WICKHAM	Former Warehouse	10 Dangar STREET	Unclassified	Regulation under CLM Act not required	-32.92383206	151.759761
WICKHAM	Fuchs Lubricants Wickham	2 Holland STREET	Other Industry	Contamination currently regulated under CLM Act	-32.9214709	151.7556928
WICKHAM	Railcorp Wickham	50 Railway STREET	Other Industry	Regulation under CLM Act not required	-32.9210433	151.7544687
WILBERFORCE	Former Drum Reconditioners	12-14 Box AVENUE	Other Industry	Contamination formerly regulated under the CLM Act	-33.5453884	150.8587934
WILBERFORCE	Former Solvent Recycling Site	13 Box AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.54557427	150.8577006

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WILEY PARK	Sydney Water Property	1B Hillcrest STREET	Other Industry	Regulation under CLM Act not required	-33.92391634	151.0676256
WILLIAMTOWN	Hunter Land Effluent Pond	38 Cabbage Tree ROAD	Other Industry	Regulation under CLM Act not required	-32.80750069	151.8310107
WILLOUGHBY	Bicentennial Reserve, Flat Rock Gully, Willoughby Leisure Centre	Small STREET	Other Industry	Under assessment	-33.81232124	151.2030744
WILLOUGHBY	BP Willoughby Express Tower	498 Willoughby STREET	Service Station	Contamination currently regulated under POEO Act	-33.81022918	151.199315
WILLOUGHBY	Caltex Service Station	157 Penhur STREET	Service Station	Regulation under CLM Act not required	-33.79793513	151.1981926
WILLOUGHBY	Shell Coles Express Service Station	616-626 Willoughby ROAD	Service Station	Regulation under CLM Act not required	-33.80593769	151.1988559
WILLOUGHBY EAST	Willoughby Bus Depot	Corner Ann Street and Stan STREET	Other Industry	Regulation under CLM Act not required	-33.7982569	151.2038993
WILTON	Condell Park Homestead	(Part Lot 17 DP 270536) Condell Park ROAD	Unclassified	Regulation under CLM Act not required	-34.21910141	150.6837962
WINDANG	Caltex Service Station	244-248 Windang ROAD	Service Station	Regulation under CLM Act not required	-34.5274434	150.8691161
WINDSOR	Former Caltex Service Station	46-52 Macquarie STREET	Service Station	Regulation under CLM Act not required	-33.60783315	150.8213428
WINDSOR	Former Caltex Windsor Depot and Service Station	48-50 Mileham STREET	Service Station	Regulation under CLM Act not required	-33.61538627	150.8157517
WINDSOR	Former Fire Station Windsor	19 Fitzgerald STREET	Other Industry	Under assessment	-33.6064873	150.8199089
WINDSOR	Windsor Zone Substation	56-60 Macquarie STREET	Other Industry	Under assessment	-33.60812428	150.8208856
WINDSOR	Woolworths (former Caltex) Service Station	Cnr Macquarie Street & Baker STREET	Service Station	Regulation under CLM Act not required	-33.60569346	150.8232803
WINGHAM	Bogas Service Station	Cnr Primrose Street and Isabella STREET	Service Station	Regulation under CLM Act not required	-31.86833656	152.3716346

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WINGHAM	Former Caltex Service Station	1036-1038 Wingham ROAD	Service Station	Regulation under CLM Act not required	-31.86236594	152.3805752
WINMALEE	Prime Winmalee Service Station	281 Hawkesbury ROAD	Service Station	Regulation under CLM Act not required	-33.68223276	150.5997203
WIRLINGA	Former Liquid Waste Disposal Facility	704 Riverina ROAD	Unclassified	Regulation under CLM Act not required	-36.07103958	147.0193522
WOLLI CREEK	Former Ausgrid Substation 10061	13 Gertrude STREET	Other Industry	Regulation under CLM Act not required	-33.93364031	151.1543818
WOLLONGONG	Caltex Service Station	9 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.41505616	150.8932515
WOLLONGONG	Former Wollongong Gasworks	120 and 122 Smith STREET	Gasworks	Regulation under CLM Act not required	-34.42030173	150.8906745
WOLLONGONG	Greenhouse Park	Springhill ROAD	Landfill	Contamination currently regulated under CLM Act	-34.44119949	150.8931764
WOLLONGONG	Redevelopment site	33 - 39 Beatson STREET	Other Petroleum	Regulation under CLM Act not required	-34.43196083	150.8976661
WOLLONGONG	Wollongong Harbour Central Spur	Off Endeavour DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.42066879	150.906821
WOLLONGONG	Woolworths Service Station	425 Crown STREET	Service Station	Contamination currently regulated under CLM Act	-34.42637378	150.8799288
WOODBURN	Caltex Service Station	129 River STREET	Service Station	Regulation under CLM Act not required	-29.07206887	153.3409769
WOODBURN	Crown Reserve 88037 Woodburn	Pacific HIGHWAY	Landfill	Regulation under CLM Act not required	-29.06580577	153.3541886
WOOLGOOLGA	Caltex Woolgoolga Service Station	16 Bosworth ROAD	Service Station	Regulation under CLM Act not required	-30.12569561	153.1946006
WOOLGOOLGA	United Petroleum Service Station(1868 Solitary Islands Way)	56 Clarence STREET	Service Station	Contamination currently regulated under CLM Act	-30.11045544	153.1904609
WOOLLAHRA	Caltex Woollahra Service Station	116 Old South Head ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.88959697	151.2553736



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WOOLLAHRA	Former Service Station	20 Wallis STREET	Service Station	Regulation under CLM Act not required	-33.8901965	151.2372752
WOOLLAHRA	Proposed Jewish Care Centre	7-21 Saber STREET	Unclassified	Regulation under CLM Act not required	-33.8904055	151.2480062
WOOLLOOMOOLOO	Former BP Service Station	2 Dowley STREET	Service Station	Contamination being managed via the planning process (EP&A Act)	-33.86940191	151.2218741
WOLOMIN	Woolomin Gold Rush Store	65 Nundle ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-31.30415134	151.149729
WOOLOOWARE	Caltex Service Station	100 Woollooware ROAD	Service Station	Regulation under CLM Act not required	-34.05274635	151.1408413
WOOLOOWARE	Oyster Farm	Captain Cook DRIVE	Other Industry	Regulation under CLM Act not required	-34.03807914	151.1476055
WOONGARRAH	Former Warnervale Landfill	236-264 Hakone ROAD	Landfill	Regulation under CLM Act not required	-33.2376313	151.464362
WOOTTON	Former Chemical Spill Site	11859 Pacific HIGHWAY	Chemical Industry	Regulation under CLM Act not required	-32.28168548	152.3117819
WOY WOY	7-Eleven Service Station	Corner Rawson and Ocean Beach ROADS	Service Station	Regulation under CLM Act not required	-33.49379351	151.3201639
WOY WOY	Austin Butler Memorial Oval	Blackwall ROAD	Landfill	Regulation under CLM Act not required	-33.48672201	151.3283032
WOY WOY	Barry Robertson Holden	231 Blackwall ROAD	Service Station	Regulation under CLM Act not required	-33.49621068	151.3285128
WOY WOY	Bogas Service Station	66 Memorial AVENUE	Service Station	Contamination currently regulated under CLM Act	-33.5069738	151.3315579
WOY WOY	James Browne Oval	Welcome STREET	Landfill	Regulation under CLM Act not required	-33.49720596	151.3242986
WOY WOY	Mobil Former Woy Woy Service Station and adjacent land	177-181 Blackwall ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.49257884	151.3273559
WOY WOY	Rogers Park	Dunban ROAD	Landfill	Regulation under CLM Act not required	-33.50009693	151.3181347

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WYALONG	Caltex Service Station	50 Neeld (Newell Highway) STREET	Service Station	Regulation under CLM Act not required	-33.92665025	147.2446546
WYOMING	Caltex Service Station Wyoming	465 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.40945391	151.3499812
WYONG	Caltex Service Station	M1 Pacific (Northbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25641477	151.4024821
WYONG	Caltex Service Station	M1 Pacific (Southbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25330747	151.4053862
WYONG	IXOM Facility	8 Pavitt CRESCENT	Other Industry	Regulation under CLM Act not required	-33.26379108	151.4485113
WYONG	Wyong Bayer/Kemcon	16 Lucca ROAD	Chemical Industry	Contamination currently regulated under POEO Act	-33.26192339	151.4429446
YAGOONA	7-Eleven (former Mobil) Service Station	519 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90760623	151.0207783
YAGOONA	BP Service Station Potts Hill (Yagoona)	155 Rookwood ROAD	Service Station	Regulation under CLM Act not required	-33.89330525	151.0390969
YAGOONA	Galserv Galvanising Services	117-153 Rookwood ROAD	Metal Industry	Contamination currently regulated under POEO Act	-33.89493085	151.0388013
YAGOONA	Shell Coles Express Service Station	112 Rookwood ROAD	Service Station	Regulation under CLM Act not required	-33.89856213	151.0370458
YAGOONA	Sydney Water Corporation Potts Hill Complex	91 Brunker ROAD	Other Industry	Regulation under CLM Act not required	-33.89887589	151.0289165
YALLAH	Tallawarra Power Station site	Princes HIGHWAY	Unclassified	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.52412143	150.8062159
YAMBA	Caltex Service Station	22 Treelands DRIVE	Service Station	Regulation under CLM Act not required	-29.42701701	153.3279204
YANCO	Former Service Station	14 Main AVENUE	Service Station	Contamination formerly regulated under the CLM Act	-34.60356494	146.4105016
YASS	Caltex Service Station	228 Comur STREET	Service Station	Regulation under CLM Act not required	-34.84440036	148.9140179

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YASS	Caltex Service Station	1715 Yass Valley WAY	Service Station	Regulation under CLM Act not required	-34.80708856	148.8824228
YASS	Former Gasworks	Dutton STREET	Gasworks	Contamination currently regulated under CLM Act	-34.83982614	148.9060029
YASS	Former Mobil Depot Yass and adjacent land	54-58 Laidlaw STREET	Service Station	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.83226934	148.9069512
YASS	Transgrid Depot Yass	Perry STREET	Unclassified	Under assessment	-34.86238341	148.9052809
YENNORA	19 Pine Road, Yennora	Pine ROAD	Metal Industry	Contamination currently regulated under CLM Act	-33.86713232	150.9621172
YENNORA	Former Alcoa Australia Rolled Products Facility - Area 3	1 Kiora CRESCENT	Metal Industry	Regulation under CLM Act not required	-33.86568158	150.9649297
YENNORA	Former Caltex Service Station	137-141 Fairfield STREET	Service Station	Regulation under CLM Act not required	-33.86824768	150.9706137
YENNORA	Former Metal Plant	44 Larra STREET	Metal Industry	Contamination formerly regulated under the CLM Act	-33.86340576	150.9764349
YENNORA	Spicer Axle Australia Manufacturing Facility	205-231 Fairfield ROAD	Other Industry	Regulation under CLM Act not required	-33.85655114	150.9579167
YENNORA	TetraPak Site	6 Foray STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.8557183	150.9561605
YETHOLME	Yetholme CCA Timber Treatment Plant	351 Eusdale ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.45386256	149.8537787
YOUNG	Adjacent to former battery recycler	47 Nasmyth STREET	Metal Industry	Contamination formerly regulated under the CLM Act	-34.31176273	148.3064765
YOUNG	Former battery recycler	45 Nasmyth STREET	Metal Industry	Contamination currently regulated under CLM Act	-34.31201571	148.306772
YOUNG	Former Caltex Depot	95 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31127119	148.2955092
YOUNG	Former Mobil Depot and Service Station Young	149 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31024587	148.290424

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YOUNG	Former Shell Depot	166 Nasmyth STREET	Other Petroleum	Regulation under CLM Act not required	-34.31025192	148.2931008
YOUNG	Mobil Depot	186 Nasmyth STREET	Other Petroleum	Contamination currently regulated under CLM Act	-34.30954389	148.2908476
ZETLAND	Energy Australia/ Ausgrid Zetland Depot	122 - 138 Joynton AVENUE	Other Industry	Regulation under CLM Act not required	-33.90883116	151.2101184
ZETLAND	Former Goodrich Control Systems, Zetland	84 - 92 Epsom ROAD	Other Industry	Regulation under CLM Act not required	-33.91025707	151.2078048

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## Search results

Your search for: Suburb: NEWPORT

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the [planning process](#).

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### Search TIP

To search for a specific site, search by LGA (local government area) and carefully review all sites listed.

... [more search tips](#)

More information about particular sites may be available from:

- The [POEO public register](#)
- The appropriate planning authority: for example, on a planning certificate issued by the local council under [section 149 of the Environmental Planning and Assessment Act](#).

See [What's in the record and What's not in the record](#).

If you want to know whether a specific site has been the subject of notices issued by the EPA under the CLM Act, we suggest that you search by Local Government Area only and carefully review the sites that are listed.

This public record provides information about sites regulated by the EPA under the Contaminated Land Management Act 1997, including sites currently and previously regulated under the Environmentally Hazardous Chemicals Act 1985. Your inquiry using the above search criteria has not matched any record of current or former regulation. You should consider searching again using different criteria. The fact that a site does not appear on the record does not necessarily mean that it is not affected by contamination. The site may have been notified to the EPA but not yet assessed, or contamination may be present but the site is not yet being regulated by the EPA. Further information about particular sites may be available from the appropriate planning authority, for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act. In addition the EPA may be regulating contamination at the site through a licence under the Protection of the Environment Operations Act 1997. You may wish to search the POEO public register. [POEO public register](#)

For business  
and industry ^

16 September 2022

For local  
government ^

## Contact us

131 555 (tel:131555)

Online (<https://yoursay.epa.nsw.gov.au/epa-website-feedback>)

[info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au) (<mailto:info@epa.nsw.gov.au>)

EPA Office Locations (<https://www.epa.nsw.gov.au/about-us/contact-us/locations>)

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Local Govt Area	Licence No.	Accountable Party Name
Albury	1126	HANSON CONSTRUCTION MATERIALS PTY LTD
Albury	1811	DRIVETRAIN SYSTEMS INTERNATIONAL PTY LTD
Albury	6523	RAMSAY HEALTH CARE AUSTRALIA PTY LIMITED
Albury	7486	GREATER SOUTHERN AREA HEALTH SERVICE
Albury	12867	ROADS & TRAFFIC AUTHORITY OF NEW SOUTH WALES
Armidale Dumaresq	11319	HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Auburn	96	UNITED GROUP RAIL SERVICES LIMITED
Auburn	109	METROMIX PTY LIMITED
Auburn	1912	OFFSET ALPINE PRINTING PTY LIMITED
Auburn	2179	SAINT-GOBAIN ABRASIVES PTY LTD
Auburn	4933	CONCRITE PTY LTD
Auburn	5550	SMORGON STEEL DISTRIBUTION PTY LTD
Auburn	5604	CEMEX AUSTRALIA PTY LIMITED
Auburn	6203	A1 HARD CHROME PTY LTD
Auburn	6592	ST. JOSEPH'S HOSPITAL LIMITED
Auburn	6953	VIP PLASTIC PACKAGING PTY LTD
Auburn	7017	SUMMIT TECHNOLOGY AUSTRALIA PTY LTD
Auburn	7271	HY-TEC INDUSTRIES PTY LTD
Auburn	7509	PEREGRINE SEMICONDUCTOR AUSTRALIA PTY LIMITED
Auburn	11652	GILBARCO AUSTRALIA LIMITED
Auburn	11683	SYDNEY WEST AREA HEALTH SERVICE
Auburn	12103	BLUE STAR PRINT GROUP AUSTRALIA PTY LIMITED
Auburn	12287	CUMMINS SOUTH PACIFIC PTY. LTD.
Auburn	12368	SCHAEFFLER AUSTRALIA PTY LTD
Auburn	12616	BLUE STAR PRINT GROUP AUSTRALIA PTY LIMITED
Ballina	479	CEMEX AUSTRALIA PTY LIMITED
Ballina	959	BITUPAVE LTD
Ballina	3263	HANSON CONSTRUCTION MATERIALS PTY LTD
Ballina	4276	NUCON PTY LTD
Bankstown	2142	JOHN HEINE & SON PTY LTD
Bankstown	2791	G.A & L. HARRINGTON PTY LTD
Bankstown	2852	HEATCRAFT AUSTRALIA PTY LTD
Bankstown	2920	BLUESCOPE STEEL LIMITED
Bankstown	3923	NATIONWIDE NEWS PTY. LIMITED
Bankstown	3928	TRANSFIELD SERVICES (AUSTRALIA) PTY LIMITED
Bankstown	6488	THE ROYAL SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS, NEW SOUTH WALES
Bankstown	6747	MCILWRAITH-DAVEY PTY. LTD.
Bankstown	6805	SKIPPER AUSTRALIA PTY. LIMITED
Bankstown	6850	AUSTRALIAN SPRINGS PTY LTD
Bankstown	6871	REGENTS PARK ELECTROPLATING PTY LTD
Bankstown	6894	SYDNEY SOUTH WEST AREA HEALTH SERVICE
Bankstown	6929	BLU-CHROME PTY LTD
Bankstown	6977	DALTON PACKAGING PTY LIMITED
Bankstown	10543	SOUTH WEST METAL FABRICATIONS PTY LTD
Bankstown	10994	E.P.C. ENGINEERING PTY LTD
Bankstown	11343	GRACE AUSTRALIA PTY LTD
Bankstown	11360	TRANSGRID
Bankstown	11520	BANKSTOWN CITY COUNCIL
Bankstown	11880	UNITED GROUP RAIL FLEET SERVICES LIMITED
Bankstown	12110	IMPRESS AUSTRALIA PTY LTD
Bankstown	12360	GOODRICH AEROSPACE PTY LTD
Bankstown	12511	GLOBUS GROUP PTY LTD
Bankstown	12572	FINISHED PRODUCTS PTY LTD
Bankstown	12683	SILVERGLEAM ELECTROPLATING CO PTY LTD
Bathurst Regional	18	GREATER WESTERN AREA HEALTH SERVICE
Bathurst Regional	462	EMOLEUM ROADS GROUP PTY LTD
Bathurst Regional	1079	HANSON CONSTRUCTION MATERIALS PTY LTD
Bathurst Regional	1524	CEMEX AUSTRALIA PTY LIMITED
Baulkham Hills	5968	HOBSON ENGINEERING CO PTY LTD
Baulkham Hills	6209	FORESTRY COMMISSION OF NEW SOUTH WALES
Baulkham Hills	6735	ECOLAB PTY LTD
Baulkham Hills	10285	HEALTHSCOPE LIMITED
Baulkham Hills	11782	SHELLANDER; WALTER
Bega Valley	1481	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Bega Valley	10921	GREATER SOUTHERN AREA HEALTH SERVICE

Bega Valley	10922 GREATER SOUTHERN AREA HEALTH SERVICE
Blacktown	983 CEMEX AUSTRALIA PTY LIMITED
Blacktown	1007 METROMIX PTY LIMITED
Blacktown	1182 BORAL RESOURCES (NSW) PTY LTD
Blacktown	1217 HANSON CONSTRUCTION MATERIALS PTY LTD
Blacktown	1881 WESCO READY MIXED CONCRETE (NSW) PTY LTD
Blacktown	2701 HYMIX AUSTRALIA PTY LIMITED
Blacktown	3539 HY-TEC INDUSTRIES PTY LTD
Blacktown	5652 HP PACKAGING (STEEL) PTY LIMITED
Blacktown	5960 KACKELL PTY. LTD.
Blacktown	6565 SONY DADC AUSTRALIA PTY LIMITED
Blacktown	6987 SYDNEY WEST AREA HEALTH SERVICE
Blacktown	7030 AAB HOLDINGS PTY LIMITED
Blacktown	7036 MTU AUSTRALIA PTY LTD
Blacktown	7214 COATS AUSTRALIAN PTY LIMITED
Blacktown	10043 SYDNEY WEST AREA HEALTH SERVICE
Blacktown	10873 SIGMA COACHAIR GROUP PTY LTD
Blacktown	11000 HY-TEC INDUSTRIES PTY LTD
Blacktown	11078 SCIENTIFIC GAMES PRODUCTS (AUSTRALIA) PTY LTD
Blacktown	11451 INTEGRAL ENERGY AUSTRALIA
Blacktown	12156 DURAM INDUSTRIES PTY. LIMITED
Blacktown	12157 WARTSILA AUSTRALIA PTY LTD
Blacktown	12252 ALFA LAVAL AUSTRALIA PTY LTD
Blacktown	12327 CONCRITE PTY LTD
Blayney	1457 HANSON CONSTRUCTION MATERIALS PTY LTD
Blue Mountains	280 HANSON CONSTRUCTION MATERIALS PTY LTD
Blue Mountains	929 HANSON CONSTRUCTION MATERIALS PTY LTD
Blue Mountains	1436 METROMIX PTY LIMITED
Blue Mountains	11772 SYDNEY WEST AREA HEALTH SERVICE
Botany	1180 BORAL RESOURCES (NSW) PTY LTD
Botany	2549 WESCO READY MIXED CONCRETE (NSW) PTY LTD
Botany	3466 ECOLAB WATER CARE SERVICES PTY LIMITED
Botany	6449 BRITISH AMERICAN TOBACCO AUSTRALIA LIMITED
Botany	6712 PYLON COATINGS PTY LIMITED
Botany	7288 SYDNEY AIRPORT CORPORATION LIMITED
Botany	7473 EATON ELECTRIC SYSTEMS PTY LTD
Botany	11790 GEON AUSTRALIA PTY LTD
Botany	11844 HY-TEC INDUSTRIES PTY LTD
Botany	12152 QANTAS AIRWAYS LIMITED
Botany	12310 ABBOTT AUSTRALASIA PTY LTD
Botany	12590 QANTAS FLIGHT CATERING LIMITED
Botany	12975 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Broken Hill	5130 GREATER WESTERN AREA HEALTH SERVICE
Burwood	5933 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Burwood	7309 STATE TRANSIT AUTHORITY OF NSW
Byron	1869 CEMEX AUSTRALIA PTY LIMITED
Byron	1951 CEMEX AUSTRALIA PTY LIMITED
Byron	3546 HANSON CONSTRUCTION MATERIALS PTY LTD
Byron	3992 HANSON CONSTRUCTION MATERIALS PTY LTD
Camden	146 CEMEX AUSTRALIA PTY LIMITED
Camden	1855 BORAL RESOURCES (NSW) PTY LTD
Camden	4076 CONCRITE PTY LTD
Campbelltown	121 BORAL RESOURCES (NSW) PTY LTD
Campbelltown	1341 HANSON CONSTRUCTION MATERIALS PTY LTD
Campbelltown	2945 PRECISION VALVE AUSTRALIA PTY LTD
Campbelltown	3138 FULTON HOGAN PTY LTD
Campbelltown	3317 HY-TEC INDUSTRIES PTY LTD
Campbelltown	6721 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Campbelltown	7457 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Campbelltown	11796 KIRK ENGINEERING SERVICES (AUST) PTY LTD
Canada Bay	6049 DAVIES, CAMPBELL & DE LAMBERT PTY. LIMITED
Canada Bay	6228 OWEN FERGUSON HEALTH PTY. LTD.
Canada Bay	6839 FRED HOSKING PTY LTD
Canada Bay	11269 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Canterbury	6069 B. M. HIGGINBOTTOM PTY LTD
Canterbury	6165 CLEVELAND CHEMICAL CO PTY LTD
Canterbury	7124 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Canterbury	7343 STATE TRANSIT AUTHORITY OF NSW

Canterbury	11585	ASTOR BASE METALS PTY LTD
Cessnock	1082	HANSON CONSTRUCTION MATERIALS PTY LTD
Cessnock	2071	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Cessnock	11256	HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Cessnock	11973	HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
City of Lithgow	304	CEMEX AUSTRALIA PTY LIMITED
City of Lithgow	1081	HANSON CONSTRUCTION MATERIALS PTY LTD
City of Lithgow	11491	DENIS COOKE'S METAL INDUSTRIES PTY. LIMITED
Clarence Valley	2527	CEMEX AUSTRALIA PTY LIMITED
Clarence Valley	10883	CUMMINS SOUTH PACIFIC PTY. LTD.
Coffs Harbour	144	HANSON CONSTRUCTION MATERIALS PTY LTD
Coffs Harbour	884	CEMEX AUSTRALIA PTY LIMITED
Coffs Harbour	1551	CEMEX AUSTRALIA PTY LIMITED
Coffs Harbour	2468	BITUPAVE LTD
Coffs Harbour	6709	L. & A. SERVICES PTY. LTD.
Coffs Harbour	11186	NORTH COAST AREA HEALTH SERVICE
Coffs Harbour	11554	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Coffs Harbour	12416	COFFS HARBOUR CHALLENGE INCORPORATED
Coffs Harbour	12557	HIGH QUALITY CONCRETE PTY LIMITED
Cooma Monaro	11001	GREATER SOUTHERN AREA HEALTH SERVICE
Corowa	3168	HANSON CONSTRUCTION MATERIALS PTY LTD
Cowra	1456	HANSON CONSTRUCTION MATERIALS PTY LTD
Deniliquin	6532	GREATER SOUTHERN AREA HEALTH SERVICE
Dubbo	43	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Dubbo	1055	CEMEX AUSTRALIA PTY LIMITED
Dubbo	4788	BITUPAVE LTD
Dubbo	4962	HANSON CONSTRUCTION MATERIALS PTY LTD
Dubbo	10991	COUNTRY ENERGY
Dubbo	12596	GREATER WESTERN AREA HEALTH SERVICE
Eurobodalla	1313	CEMEX AUSTRALIA PTY LIMITED
Eurobodalla	10912	GREATER SOUTHERN AREA HEALTH SERVICE
Eurobodalla	10920	GREATER SOUTHERN AREA HEALTH SERVICE
Eurobodalla	11976	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Fairfield	81	METROMIX PTY LIMITED
Fairfield	246	F.I.P. PTY LIMITED
Fairfield	694	HYMIX AUSTRALIA PTY LIMITED
Fairfield	861	EMOLEUM ROADS GROUP PTY LTD
Fairfield	2839	SASSO READYMIX CONCRETE PTY LTD
Fairfield	5135	ONESTEEL TRADING PTY LIMITED
Fairfield	6088	AUST-TECH FURNITURE PTY. LIMITED
Fairfield	6138	CSR VIRIDIAN LIMITED
Fairfield	6275	CROWN EQUIPMENT PTY. LIMITED
Fairfield	6505	SYDNEY SOUTH WEST AREA HEALTH SERVICE
Fairfield	6572	THE LSW GROUP PTY LTD
Fairfield	12029	SPICER AXLE AUSTRALIA PTY LTD
Fairfield	12048	CROWN EQUIPMENT PTY. LIMITED
Fairfield	12318	VISYPET PTY. LTD.
Fairfield	12564	WESCO READY MIXED CONCRETE (NSW) PTY LTD
Glen Innes Severn	11322	HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Gosford	952	BITUPAVE LTD
Gosford	1428	HANSON CONSTRUCTION MATERIALS PTY LTD
Gosford	1905	HYMIX AUSTRALIA PTY LIMITED
Gosford	1917	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Gosford	2192	HANSON CONSTRUCTION MATERIALS PTY LTD
Gosford	2658	HYMIX AUSTRALIA PTY LIMITED
Gosford	5238	EARBURN PTY. LIMITED
Gosford	10338	NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Gosford	10404	HEALTH CARE NORTH GOSFORD PTY LTD
Gosford	10509	BRISBANE WATERS EQUITIES PTY LTD
Gosford	11578	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Goulburn Mulwaree	263	HANSON CONSTRUCTION MATERIALS PTY LTD
Goulburn Mulwaree	687	CONCRITE PTY LTD
Goulburn Mulwaree	10923	GREATER SOUTHERN AREA HEALTH SERVICE
Great Lakes	1816	BORAL RESOURCES (COUNTRY) PTY. LIMITED
Great Lakes	3495	CEMEX AUSTRALIA PTY LIMITED
Great Lakes	12036	COMMUNITY PRIVATE HEALTH CARE PTY. LTD.
Greater City of Sydney	289	SYDNEY SOUTH WEST AREA HEALTH SERVICE
Greater City of Sydney	487	GOODMAN FIELDER CONSUMER FOODS PTY LIMITED



Greater City of Sydney	500 LAWRENS DRY CLEANERS PTY LTD
Greater City of Sydney	979 CEMEX AUSTRALIA PTY LIMITED
Greater City of Sydney	1005 METROMIX PTY LIMITED
Greater City of Sydney	1107 METROMIX PTY LIMITED
Greater City of Sydney	1253 HYMIX AUSTRALIA PTY LIMITED
Greater City of Sydney	3140 PIONEER ROAD SERVICES PTY LTD
Greater City of Sydney	3428 CONCRITE PTY LTD
Greater City of Sydney	3801 HANSON CONSTRUCTION MATERIALS PTY LTD
Greater City of Sydney	5523 SEALED AIR AUSTRALIA PTY LIMITED
Greater City of Sydney	5665 HANNANPRINT NSW PTY LIMITED
Greater City of Sydney	6086 AUSTRALIAN METAL CO PTY LTD
Greater City of Sydney	6193 ROYAL BOTANIC GARDENS AND DOMAIN TRUST
Greater City of Sydney	6521 ST LUKE'S HOSPITAL COMPLEX
Greater City of Sydney	6691 ALEXANDRIA PLATING PTY LTD
Greater City of Sydney	6806 HEIDELBERG GRAPHIC EQUIPMENT LIMITED
Greater City of Sydney	6847 AUSTRALIAN RED CROSS SOCIETY
Greater City of Sydney	7370 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Greater City of Sydney	10414 SISTERS OF CHARITY HEALTH SERVICE LIMITED
Greater City of Sydney	10420 THE HOSPITALS CONTRIBUTION FUND OF AUSTRALIA LTD
Greater City of Sydney	11197 ST. VINCENT'S HOSPITAL SYDNEY LIMITED
Greater City of Sydney	11454 DAIMLERCHRYSLER AUSTRALIA/PACIFIC PTY LTD
Greater City of Sydney	11472 INTEC LTD
Greater City of Sydney	11888 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Greater City of Sydney	11997 ENERGY AUSTRALIA
Greater City of Sydney	12070 THE UNIVERSITY OF SYDNEY
Greater City of Sydney	12090 FOX STUDIOS AUSTRALIA PTY LIMITED
Greater City of Sydney	12236 THE PRETERM FOUNDATION
Greater City of Sydney	12389 RAIL CORPORATION NEW SOUTH WALES
Greater Hume	11932 ALBURY GALVANIZING PTY LTD
Greater Queanbeyan City	40 MONARO MIX SPECIFIED CONCRETE PTY. LIMITED
Greater Queanbeyan City	11002 GREATER SOUTHERN AREA HEALTH SERVICE
Greater Taree	1886 CEMEX AUSTRALIA PTY LIMITED
Greater Taree	2478 HANSON CONSTRUCTION MATERIALS PTY LTD
Greater Taree	3684 BITUPAVE LTD
Greater Taree	10987 MAYO HEALTHCARE GROUP PTY LTD
Greater Taree	11146 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Griffith	11248 GREATER SOUTHERN AREA HEALTH SERVICE
Gundagai	12774 ABIGROUP CONTRACTORS PTY LTD
Gunnedah	7193 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Guyra	7185 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Gwydir	11348 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Hawkesbury	623 CEMEX AUSTRALIA PTY LIMITED
Hawkesbury	3215 HUHTAMAKI AUSTRALIA PTY LIMITED
Hawkesbury	3680 HY-TEC INDUSTRIES PTY LTD
Hawkesbury	4375 BORAL RESOURCES (NSW) PTY LTD
Hawkesbury	6328 THE HANNA GROUP PTY LTD
Holroyd	1139 BORAL RESOURCES (NSW) PTY LTD
Holroyd	1178 BORAL RESOURCES (NSW) PTY LTD
Holroyd	3022 MSA (AUST.) PTY. LIMITED
Holroyd	4915 ANZPAC SERVICES (AUSTRALIA) PTY. LIMITED
Holroyd	5197 TORNBOSS HOLDINGS PTY. LTD.
Holroyd	6355 COCA-COLA AMATIL (AUST) PTY LTD
Holroyd	7010 WADEPACK PTY LTD
Holroyd	7380 CROWN EQUIPMENT PTY. LIMITED
Holroyd	11961 ABBSTRONG PTY. LIMITED
Holroyd	12230 SANDVIK AUSTRALIA PTY LTD
Holroyd	12471 CARTER HOLT HARVEY PACKAGING PTY LIMITED
Holroyd	12478 RINDIN ENTERPRISES PTY. LTD.
Holroyd	12727 SIEL INVESTMENTS PTY. LTD.
Hornsby	1084 CEMEX AUSTRALIA PTY LIMITED
Hornsby	1237 BORAL RESOURCES (NSW) PTY LTD
Hornsby	1336 HANSON CONSTRUCTION MATERIALS PTY LTD
Hornsby	3156 METROMIX PTY LIMITED
Hornsby	6051 NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Hornsby	6273 MCCARROLL'S OF MOSS VALE PTY LTD
Hornsby	7002 THE WRIGLEY COMPANY PTY. LTD
Hornsby	11358 TRANSGRID
Hornsby	11802 RAIL CORPORATION NEW SOUTH WALES

Hornsby	11999 ENERGY AUSTRALIA
Hunters Hill	11280 HERGLEN PTY LTD
Hurstville	10470 THE HOSPITALS CONTRIBUTION FUND OF AUSTRALIA LTD
Hurstville	11994 ENERGY AUSTRALIA
Inverell	7190 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Kiama	1916 CLEARY BROS (BOMBO) PTY LTD
Kiama	12726 LOTHWAY T.B.S. PTY. LTD.
Kogarah	982 CEMEX AUSTRALIA PTY LIMITED
Kogarah	6386 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Kogarah	6539 HURSTVILLE COMMUNITY PRIVATE HOSPITAL LIMITED
Kogarah	6547 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Kogarah	6704 J.M. NICOL PTY. LIMITED
Kogarah	11751 CALVARY HEALTH CARE SYDNEY LIMITED
Kogarah	12391 RAIL CORPORATION NEW SOUTH WALES
Ku-ring-gai	6508 DALCROSS MANAGEMENT PTY LIMITED
Ku-ring-gai	6546 SYDNEY ADVENTIST HOSPITAL LIMITED
Ku-ring-gai	10351 AUSTRALIAN HOSPITAL CARE (LADY DAVIDSON) PTY. LTD.
Lake Macquarie	678 HANSON CONSTRUCTION MATERIALS PTY LTD
Lake Macquarie	714 HYMIX AUSTRALIA PTY LIMITED
Lake Macquarie	994 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Lake Macquarie	1083 HANSON CONSTRUCTION MATERIALS PTY LTD
Lake Macquarie	1127 HYMIX AUSTRALIA PTY LIMITED
Lake Macquarie	1463 HUNTER READYMIXED CONCRETE PTY LTD
Lake Macquarie	2063 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Lake Macquarie	2103 CEMEX AUSTRALIA PTY LIMITED
Lake Macquarie	2318 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Lake Macquarie	11184 CENTRAL LAKES HOSPITALS PTY LTD
Lake Macquarie	11190 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Lake Macquarie	11208 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Lake Macquarie	11361 TRANSGRID
Lake Macquarie	11728 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Lake Macquarie	12064 REDICRETE PTY LIMITED
Lane Cove	6595 COCHLEAR LIMITED
Lane Cove	6678 MACHIN & EWEN PTY LTD
Lane Cove	6687 INDUSTRIAL & DECORATIVE GOLD PLATING CO PTY LTD
Lane Cove	11801 CAP-XX PTY LTD
Leichhardt	7125 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Leichhardt	7244 APPAREL FITTINGS AUSTRALASIA PTY LTD C/- STAR DEAN-WILLCOCKS
Leichhardt	11495 STATE TRANSIT AUTHORITY OF NSW
Leichhardt	11779 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Lismore	69 CEMEX AUSTRALIA PTY LIMITED
Lismore	2469 HANSON CONSTRUCTION MATERIALS PTY LTD
Lismore	6598 SULLIVAN NICOLAIDES PTY LTD
Liverpool	753 ABB AUSTRALIA PTY LIMITED
Liverpool	1179 BORAL RESOURCES (NSW) PTY LTD
Liverpool	2356 CEMEX AUSTRALIA PTY LIMITED
Liverpool	2712 CONCRITE PTY LTD
Liverpool	5641 HANSON CONSTRUCTION MATERIALS PTY LTD
Liverpool	7219 NOVARTIS ANIMAL HEALTH AUSTRALASIA PTY. LIMITED
Liverpool	7281 SUPERIOR RADIATOR SERVICE PTY LTD
Liverpool	10825 IPLEX PIPELINES AUSTRALIA PTY LIMITED
Liverpool	11112 HY-TEC INDUSTRIES PTY LTD
Liverpool	11235 STATE ASPHALTS NSW PTY LTD
Liverpool	11288 INTEGRAL ENERGY AUSTRALIA
Liverpool	11323 VISY BOARD PROPRIETARY LIMITED
Liverpool	11355 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Liverpool	11637 PLATING R US PTY LTD
Liverpool	12143 BORAL RESOURCES (NSW) PTY LTD
Liverpool	12839 HEALTHSCOPE LIMITED
Liverpool Plains	6142 PACIFIC NATIONAL (NSW) PTY LTD
Liverpool Plains	7191 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Maitland	1348 MAITLAND READY MIXED CONCRETE PTY LTD
Maitland	2070 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Maitland	2292 PIONEER ROAD SERVICES PTY LTD
Maitland	2597 HANSON CONSTRUCTION MATERIALS PTY LTD
Maitland	6587 HUNTER READYMIXED CONCRETE PTY LTD
Maitland	7575 HYMIX AUSTRALIA PTY LIMITED
Maitland	10602 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE

Maitland	11178 WAX CONVERTERS TEXTILES PTY LIMITED
Manly	7170 MACQUARIE HOSPITAL SERVICES PTY. LIMITED
Manly	7314 NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Marrickville	1183 BORAL RESOURCES (NSW) PTY LTD
Marrickville	3952 RAIL CORPORATION NEW SOUTH WALES
Marrickville	6525 BIOCLONE AUSTRALIA PTY LTD
Marrickville	6738 VEMADELL PTY. LIMITED
Marrickville	11342 ALFRED JOHNS PTY LTD
Moree Plains	7194 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Mosman	11724 HEALTHSCOPE LIMITED
Murray	12071 BORAL RESOURCES (VIC.) PTY. LIMITED
Muswellbrook	954 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Muswellbrook	1245 DENMAN QUARRIES PTY LIMITED
Muswellbrook	1926 HANSON CONSTRUCTION MATERIALS PTY LTD
Muswellbrook	11345 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Muswellbrook	11986 ENERGY AUSTRALIA
Narrabri	7196 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Narrabri	11684 COTTON SEED DISTRIBUTORS LTD
Newcastle	7 BITUPAVE LTD
Newcastle	10 PREMIER CONCRETE (N.S.W.) PTY. LIMITED
Newcastle	111 HYMIX AUSTRALIA PTY LIMITED
Newcastle	995 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Newcastle	1017 CEMEX AUSTRALIA PTY LIMITED
Newcastle	1259 HANSON CONSTRUCTION MATERIALS PTY LTD
Newcastle	1261 HANSON CONSTRUCTION MATERIALS PTY LTD
Newcastle	2566 BITUPAVE LTD
Newcastle	6104 PACIFIC NATIONAL (NSW) PTY LTD
Newcastle	6114 HUNTER WATER CORPORATION
Newcastle	6808 UNITED GROUP RAIL SERVICES LIMITED
Newcastle	10023 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Newcastle	10036 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Newcastle	10996 RAIL CORPORATION NEW SOUTH WALES
Newcastle	11357 NEWCASTLE PRIVATE HOSPITAL PTY LTD
Newcastle	11485 MEDIREST (AUSTRALIA) PTY LTD
Newcastle	11487 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Newcastle	11729 HEALTHE CARE LINGARD PTY LTD
Newcastle	11926 THE HUNTER VALLEY PRIVATE HOSPITAL PTY LTD
Newcastle	12331 CMG CONCRETE PTY LIMITED
Newcastle	12497 BORAL RESOURCES (COUNTRY) PTY. LIMITED
North Sydney	6234 STATE TRANSIT AUTHORITY OF NSW
North Sydney	6600 ST VINCENTS & MATER HEALTH SYDNEY LIMITED
North Sydney	7512 ROADS & TRAFFIC AUTHORITY OF NEW SOUTH WALES
North Sydney	11170 RAMSAY HEALTH CARE AUSTRALIA PTY LIMITED
Oberon	1040 CEMEX AUSTRALIA PTY LIMITED
Orange	5159 HANSON CONSTRUCTION MATERIALS PTY LTD
Orange	7508 GREATER WESTERN AREA HEALTH SERVICE
Orange	10512 BITUPAVE LTD
Orange	11163 J R RICHARDS WASTE MANAGEMENT SERVICES PTY LTD
Orange	11371 TRANSGRID
Orange	11670 FRESHSTART WASTE OIL PTY LTD
Orange	11730 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Orange	12484 AUSTRALIAN LABORATORY SERVICES PTY. LTD.
Parkes	1375 HANSON CONSTRUCTION MATERIALS PTY LTD
Parkes	11352 NATIONWIDE OIL PTY LTD
Parramatta	499 EMOLEUM ROADS GROUP PTY LTD
Parramatta	1014 CEMEX AUSTRALIA PTY LIMITED
Parramatta	1337 HANSON CONSTRUCTION MATERIALS PTY LTD
Parramatta	2911 COCA-COLA AMATIL (AUST) PTY LTD
Parramatta	5063 HYMIX AUSTRALIA PTY LIMITED
Parramatta	5934 DOWDING & MILLS (AUSTRALIA) PTY LIMITED
Parramatta	6589 SYDNEY WEST AREA HEALTH SERVICE
Parramatta	6848 AUSTRALIAN RED CROSS SOCIETY
Parramatta	6867 THE ROYAL ALEXANDRA HOSPITAL FOR CHILDREN
Parramatta	6944 R.E. BATGER PTY LTD
Parramatta	12013 VIP STEEL PACKAGING PTY LTD
Parramatta	12743 LOTHWAY T.B.S. PTY. LTD.
Penrith	247 BORAL RESOURCES (NSW) PTY LTD
Penrith	1176 BORAL RESOURCES (NSW) PTY LTD

Penrith	3027 CNH AUSTRALIA PTY LTD
Penrith	3445 HY-TEC INDUSTRIES PTY LTD
Penrith	3498 PF CONCRETE (NSW) PTY LTD
Penrith	11253 SYDNEY WEST AREA HEALTH SERVICE
Penrith	11290 INTEGRAL ENERGY AUSTRALIA
Penrith	11417 HEALTHSCOPE LIMITED
Penrith	11461 TOTAL CONCRETE SOLUTIONS PTY LIMITED
Pittwater	6233 STATE TRANSIT AUTHORITY OF NSW
Pittwater	7313 NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Port Macquarie-Hastings	242 HANSON CONSTRUCTION MATERIALS PTY LTD
Port Macquarie-Hastings	534 PIONEER ROAD SERVICES PTY LTD
Port Macquarie-Hastings	895 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Port Macquarie-Hastings	914 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Port Macquarie-Hastings	3814 CEMEX AUSTRALIA PTY LIMITED
Port Macquarie-Hastings	10855 NORTH COAST AREA HEALTH SERVICE
Port Macquarie-Hastings	11726 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Port Macquarie-Hastings	12341 PORT MACQUARIE HASTINGS COUNCIL
Port Stephens	29 CEMEX AUSTRALIA PTY LIMITED
Port Stephens	651 HANSON CONSTRUCTION MATERIALS PTY LTD
Port Stephens	699 HANSON CONSTRUCTION MATERIALS PTY LTD
Port Stephens	1015 CEMEX AUSTRALIA PTY LIMITED
Port Stephens	1754 WEATHERTEX PTY LTD
Port Stephens	2141 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Port Stephens	3327 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Randwick	6606 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Randwick	6772 GREENCORP MAGNETICS PTY LTD
Randwick	7348 STATE TRANSIT AUTHORITY OF NSW
Randwick	10464 P.O.W. HOSPITAL PTY LIMITED
Randwick	11563 STATE TRANSIT AUTHORITY OF NSW
Randwick	12240 POTA NSW PTY LIMITED
Richmond Valley	5375 CEMEX AUSTRALIA PTY LIMITED
Rockdale	6015 JACRON PTY LTD
Rockdale	6040 ALLKOTES PTY LIMITED
Rockdale	6441 ROADS & TRAFFIC AUTHORITY OF NEW SOUTH WALES
Rockdale	6601 MORRIS, MCMAHON & CO PTY LTD
Ryde	91 ROYAL REHABILITATION CENTRE SYDNEY
Ryde	6919 BRI AUSTRALIA LIMITED
Ryde	6921 STATE TRANSIT AUTHORITY OF NSW
Ryde	7101 NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Ryde	7617 NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Ryde	10868 DOUGLASS HANLY MOIR PATHOLOGY PTY LIMITED
Ryde	10983 SYDNEY WATER CORPORATION
Ryde	11519 SPECIALIST DIAGNOSTIC SERVICES PTY LIMITED
Ryde	11916 MAN DIESEL AUSTRALIA PTY LTD
Shellharbour	683 PIONEER ROAD SERVICES PTY LTD
Shellharbour	4185 HANSON CONSTRUCTION MATERIALS PTY LTD
Shellharbour	12539 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Shoalhaven	58 CLEARY BROS (BOMBO) PTY LTD
Shoalhaven	262 HANSON CONSTRUCTION MATERIALS PTY LTD
Shoalhaven	1443 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Shoalhaven	3211 CEMEX AUSTRALIA PTY LIMITED
Shoalhaven	3477 HANSON CONSTRUCTION MATERIALS PTY LTD
Shoalhaven	3734 BITUPAVE LTD
Shoalhaven	5307 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Shoalhaven	11725 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Singleton	681 HANSON CONSTRUCTION MATERIALS PTY LTD
Singleton	1501 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Singleton	10267 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Singleton	11985 ENERGY AUSTRALIA
Strathfield	556 PACIFIC NATIONAL (NSW) PTY LTD
Strathfield	703 BORAL RESOURCES (NSW) PTY LTD
Strathfield	1342 HANSON CONSTRUCTION MATERIALS PTY LTD
Strathfield	2862 FLETCHER INSULATION (VIC) PTY LTD
Strathfield	6136 DIAMOND HARD CHROME PTY LTD
Strathfield	11678 BITUPAVE LTD
Strathfield	12241 ELG RECYCLING PROCESSORS PTY. LTD.
Strathfield	12390 RAIL CORPORATION NEW SOUTH WALES
Sutherland	513 CONCRITE PTY LTD

Sutherland	981 CEMEX AUSTRALIA PTY LIMITED
Sutherland	1065 CONCRITE PTY LTD
Sutherland	1177 BORAL RESOURCES (NSW) PTY LTD
Sutherland	1344 HANSON CONSTRUCTION MATERIALS PTY LTD
Sutherland	1345 HANDYCRETE CONCRETE PTY LTD
Sutherland	6880 PRESIDENT PRIVATE HOSPITAL PTY. LIMITED
Sutherland	7110 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Sutherland	11767 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Sutherland	12243 CHEVRON INTERNATIONAL TECHNICAL CENTER PTY LTD
Sutherland	12433 LOTHWAY T.B.S. PTY. LTD.
Tamworth Regional	2208 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Tamworth Regional	7435 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Tamworth Regional	11362 TRANSGRID
Tamworth Regional	12754 RAMSAY HEALTH CARE AUSTRALIA PTY LIMITED
Tamworth Regional	12967 BJB CONCRETE PTY LIMITED
Temora	1053 HANSON CONSTRUCTION MATERIALS PTY LTD
Tenterfield	11347 HUNTER AND NEW ENGLAND AREA HEALTH SERVICE
Tumbarumba	1846 SOUTHERN GATEWAY CONCRETE PTY LTD
Tumbarumba	10001 SNOWY HYDRO LIMITED
Tumut	10003 SNOWY HYDRO LIMITED
Tweed	1435 CEMEX AUSTRALIA PTY LIMITED
Tweed	3434 CEMEX AUSTRALIA PTY LIMITED
Tweed	3944 HYMIX AUSTRALIA PTY LIMITED
Tweed	11826 NUCON PTY LTD
Tweed	11962 BORAL RESOURCES (QLD) PTY. LIMITED
Tweed	12058 FOLDI; DAVID
Tweed	12401 HYMIX AUSTRALIA PTY LIMITED
Wagga Wagga	22 HANSON CONSTRUCTION MATERIALS PTY LTD
Wagga Wagga	705 PIONEER ROAD SERVICES PTY LTD
Wagga Wagga	1953 MURCURY GROUP PTY LTD
Wagga Wagga	6552 CALVARY HEALTH CARE RIVERINA LIMITED
Wagga Wagga	6677 GREATER SOUTHERN AREA HEALTH SERVICE
Wagga Wagga	11365 TRANSGRID
Wagga Wagga	11366 TRANSGRID
Wagga Wagga	12948 PIONEER ROAD SERVICES PTY LTD
Warringah	622 METROMIX PTY LIMITED
Warringah	1085 CEMEX AUSTRALIA PTY LIMITED
Warringah	1233 BORAL RESOURCES (NSW) PTY LTD
Warringah	1251 HYMIX AUSTRALIA PTY LIMITED
Warringah	1339 HANSON CONSTRUCTION MATERIALS PTY LTD
Warringah	6736 PHARMACEUTICAL FILLERS PTY. LIMITED
Warringah	6810 HANNAH ZEV HOLDINGS PTY LIMITED
Warringah	7443 STATE TRANSIT AUTHORITY OF NSW
Warringah	7551 3M AUSTRALIA PTY LTD
Warringah	12312 DYNAMIC PRESS PTY LTD
Waverley	6370 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Waverley	7134 STATE TRANSIT AUTHORITY OF NSW
Wellington	11370 TRANSGRID
Wentworth	2642 E.B. MAWSON & SONS PROPRIETARY LIMITED
Willoughby	850 HANSON CONSTRUCTION MATERIALS PTY LTD
Willoughby	1236 BORAL RESOURCES (NSW) PTY LTD
Willoughby	5609 CEMEX AUSTRALIA PTY LIMITED
Willoughby	6582 HCOA OPERATIONS (AUSTRALIA) PTY LIMITED
Willoughby	6737 NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Willoughby	7023 STATE TRANSIT AUTHORITY OF NSW
Willoughby	10500 THE HOSPITALS CONTRIBUTION FUND OF AUSTRALIA LTD
Willoughby	11996 ENERGY AUSTRALIA
Wingecarribee	1909 CEMEX AUSTRALIA PTY LIMITED
Wingecarribee	3177 CONCRITE PTY LTD
Wingecarribee	3350 CONCRITE PTY LTD
Wingecarribee	11482 SYDNEY SOUTH WEST AREA HEALTH SERVICE
Wollondilly	42 HANSON CONSTRUCTION MATERIALS PTY LTD
Wollondilly	4705 BAINES TRANSPORT PTY LTD
Wollondilly	7588 CONCRITE PTY LTD
Wollondilly	7604 STATE OF NEW SOUTH WALES (DEPARTMENT OF PRIMARY INDUSTRIES)
Wollongong	686 SOUTH COAST EQUIPMENT PTY LTD
Wollongong	700 SOUTH COAST EQUIPMENT PTY LTD
Wollongong	1110 BITUPAVE LTD

Wollongong	1263 CEMEX AUSTRALIA PTY LIMITED
Wollongong	1355 CLEARY BROS (BOMBO) PTY LTD
Wollongong	1358 CONCRITE PTY LTD
Wollongong	1381 BAINES TRANSPORT PTY LTD
Wollongong	1530 ROADS & TRAFFIC AUTHORITY OF NEW SOUTH WALES
Wollongong	3754 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Wollongong	6141 PACIFIC NATIONAL (NSW) PTY LTD
Wollongong	6144 PACIFIC NATIONAL (NSW) PTY LTD
Wollongong	7215 ALLIED INDUSTRIAL SERVICES PTY LIMITED
Wollongong	11292 INTEGRAL ENERGY AUSTRALIA
Wollongong	11364 TRANSGRID
Wollongong	11511 HEALTH CARE CORPORATION PTY LTD
Wollongong	11927 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Wollongong	11938 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Wollongong	12546 SOUTH EASTERN SYDNEY AND ILLAWARRA AREA HEALTH SERVICE
Woollahra	11176 WOLPER JEWISH HOSPITAL
Wyang	475 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Wyang	1206 HANSON CONSTRUCTION MATERIALS PTY LTD
Wyang	1950 CEMEX AUSTRALIA PTY LIMITED
Wyang	2061 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Wyang	2146 HYMIX AUSTRALIA PTY LIMITED
Wyang	2190 HANSON CONSTRUCTION MATERIALS PTY LTD
Wyang	5002 PIONEER ROAD SERVICES PTY LTD
Wyang	7559 HYMIX AUSTRALIA PTY LIMITED
Wyang	10510 NORTHERN SYDNEY AND CENTRAL COAST AREA HEALTH SERVICE
Wyang	12224 HUNTER READYMIXED CONCRETE PTY LTD
Wyang	12666 REDICRETE PTY LIMITED
Yass Valley	901 BORAL RESOURCES (COUNTRY) PTY. LIMITED
Yass Valley	1062 CONCRITE PTY LTD
Yass Valley	11363 TRANSGRID
Young	1835 HANSON CONSTRUCTION MATERIALS PTY LTD

A/P Street	A/P Suburb	A/P State	A/P Postcode
LOCKED BAG 4000	DONCASTER	VIC	3108
1661 CENTRE ROAD	SPRINGVALE	VIC	3171
PO BOX 278	ALBURY	NSW	2640
LOCKED MAIL BAG 10	WAGGA WAGGA	NSW	2650
PO BOX 484	WAGGA WAGGA	NSW	2650
LOCKED BAG 1	HUNTER REGION MC	NSW	2310
LOCKED BAG 4	SILVERWATER	NSW	1811
PO BOX 1295	PARRAMATTA	NSW	2124
PO BOX 457	ERMINGTON	NSW	2115
PO BOX 6325	WETHERILL PARK	NSW	1851
PO BOX 523	SUTHERLAND	NSW	1499
PRIVATE BAG 104	SILVERWATER	NSW	2128
PO BOX 400	PARRAMATTA	NSW	2124
14 WETHERILL STREET	LIDCOMBE	NSW	2141
NORMANBY ROAD	AUBURN	NSW	2144
LEVEL 16, 644 CHAPEL STREET	SOUTH YARRA	VIC	3141
LOCKED BAG 122	SILVERWATER DC	NSW	1811
PO BOX 6770	SILVERWATER	NSW	1811
8 HERB ELLIOTT AVENUE	Homebush	NSW	2140
PO BOX 6804	SILVERWATER	NSW	2128
PO BOX 533	WENTWORTHVILLE	NSW	2145
PO BOX 6808	SILVERWATER	NSW	1811
PRIVATE BAG 150	WETHERILL PARK	NSW	2164
10 MELISSA STREET	AUBURN	NSW	2144
PO BOX 6808	SILVERWATER	NSW	1811
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 63	TOONGABBIE	NSW	2146
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 179	OXENFORD	QLD	4210
LOCKED BAG 30	MILPERRA	NSW	1891
PO BOX 231	PADSTOW	NSW	2211
LOCKED BAG 6501	MILPERRA	NSW	1891
PO BOX 144	GREENACRE	NSW	2190
GPO BOX 4245	SYDNEY	NSW	2001
PO BOX 5455	CHULLORA	NSW	2190
PO BOX 34	YAGOONA	NSW	2199
PO BOX 61	BANKSTOWN	NSW	1885
PO BOX 25	CHESTER HILL	NSW	2162
44 FITZPATRICK STREET	REVESBY	NSW	2212
41 CARLINGFORD STREET	REGENTS PARK	NSW	2143
LMB 1600	BANKSTOWN	NSW	2200
137 ELDRIDGE ROAD	BANKSTOWN	NSW	2200
LOCKED BAG 5015	MILPERRA DC	NSW	1891
25 NOWILL STREET	CONDELL PARK	NSW	2200
39-41 FITZPATRICK STREET	REVESBY	NSW	2212
PO BOX 254	REGENTS PARK	NSW	2143
PO BOX 87	HORSLEY PARK	NSW	2175
PO BOX 8	BANKSTOWN	NSW	1885
PO BOX 5054	CHULLORA	NSW	2190
LOCKED BAG 11	MILPERRA	NSW	2214
PO BOX 440	VILLAWOOD	NSW	2163
PO Box VU BANKSTOWN AIRPORT	BANKSTOWN	NSW	2200
31 Moxon Road	PUNCHBOWL	NSW	2196
PO BOX 633	CHESTER HILL	NSW	2162
PO BOX 4061	DUBBO	NSW	2830
PRIVATE BAG 1	GRANVILLE	NSW	2142
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 667	CASTLE HILL	NSW	2154
PO BOX 100	BEECROFT	NSW	2119
PRIVATE BAG 24	CASTLE HILL	NSW	2154
499 WINDSOR ROAD	BAULKHAM HILLS	NSW	2153
UNIT 40/5 ANELLA AVENUE	CASTLE HILL	NSW	2154
PO BOX 42	WENTWORTHVILLE	NSW	2145
PO BOX 1845	QUEANBEYAN	NSW	2620

PO BOX 1845  
 PO BOX 400  
 PO BOX 1295  
 1 MORT STREET  
 LOCKED BAG 5260  
 UNIT 17, 49 - 63 VICTORIA STREET  
 PO BOX 610  
 PO BOX 6770  
 PO BOX 503  
 PO BOX 514  
 60 HUNTINGWOOD DRIVE  
 PO BOX 533  
 PO BOX 6466  
 PO BOX 6703 D.C.  
 PO BOX 69  
 PO BOX 533  
 PO BOX 6605, BLACKTOWN BUSINESS CENTRE  
 PO BOX 6770  
 4 FORD STREET  
 PO BOX 6366  
 51 PRINCE WILLIAM DRIVE  
 48 HUNTINGWOOD DRIVE  
 14 Healey Circuit  
 PO BOX 523  
 LOCKED BAG 5260  
 LOCKED BAG 5260  
 LOCKED BAG 5260  
 PO BOX 1295  
 PO BOX 533  
 1 MORT STREET  
 UNIT 17, 49 - 63 VICTORIA STREET  
 PRIVATE BAG 24  
 PRIVATE BAG NO. 1  
 6 MARGATE STREET  
 PO BOX 63  
 Locked Bag 1006  
 20 BAKER STREET  
 PO BOX 6770  
 QF JET BASE, BUILDING SAB1/5  
 LOCKED BAG 5016  
 QANTAS JET BASE (KINGSFORD SMITH)  
 PO BOX 42  
 PO BOX 4061  
 LEVEL 9, 154 PACIFIC HIGHWAY  
 CNR PARRAMATTA RD & SHAFTSBURY ROAD  
 PO BOX 400  
 PO BOX 400  
 LOCKED BAG 5260  
 LOCKED BAG 5260  
 PO BOX 400  
 1 MORT STREET  
 PO BOX 523  
 1 MORT STREET  
 LOCKED BAG 5260  
 PO BOX 312  
 PO BOX 682  
 PO BOX 6770  
 LEVEL 9, 154 PACIFIC HIGHWAY  
 PO BOX 149  
 6 AIRDS ROAD  
 2 LEEDS STREET  
 55 - 57 BURWOOD ROAD  
 LOCKED BAG 127  
 HOSPITAL ROAD  
 15 ELIZABETH STREET  
 PO BOX 320  
 CANTERBURY HOSPITAL, CANTERBURY ROAD  
 PO BOX 455

QUEANBEYAN	NSW	2620
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
GRANVILLE	NSW	2142
PARRAMATTA	NSW	2124
SMITHFIELD	NSW	2164
PARRAMATTA	NSW	2124
SILVERWATER	NSW	1811
SEVEN HILLS	NSW	1730
BLACKTOWN	NSW	2148
HUNTINGWOOD	NSW	2148
WENTWORTHVILLE	NSW	2145
BLACKTOWN	NSW	2148
BLACKTOWN	NSW	2148
SEVEN HILLS	NSW	1730
WENTWORTHVILLE	NSW	2145
BLACKTOWN	NSW	2148
SILVERWATER	NSW	1811
HUNTINGWOOD	NSW	2148
BLACKTOWN	NSW	2148
SEVEN HILLS	NSW	2147
HUNTINGWOOD	NSW	2148
HUNTINGWOOD	NSW	2148
SUTHERLAND	NSW	1499
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
WENTWORTHVILLE	NSW	2145
GRANVILLE	NSW	2142
SMITHFIELD	NSW	2164
CASTLE HILL	NSW	1765
MAROUBRA	NSW	2035
BOTANY	NSW	2019
MASCOT	NSW	1460
ROSEBERRY	NSW	1445
BOTANY	NSW	2019
SILVERWATER	NSW	1811
MASCOT	NSW	2020
BOTANY	NSW	1455
MASCOT	NSW	2020
WENTWORTHVILLE	NSW	2145
DUBBO	NSW	2830
ST LEONARDS	NSW	2065
BURWOOD	NSW	2134
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
GRANVILLE	NSW	2142
SUTHERLAND	NSW	1499
GRANVILLE	NSW	2142
PARRAMATTA	NSW	2124
INGLEBURN	NSW	2565
CAMPBELLTOWN	NSW	2560
SILVERWATER	NSW	1811
ST LEONARDS	NSW	2065
CAMPBELLTOWN	NSW	2560
MINTO	NSW	2566
RHODES	NSW	2138
CONCORD	NSW	2137
SILVERWATER	NSW	2128
CONCORD WEST	NSW	2138
CAMPSIE	NSW	2194
KINGSGROVE	NSW	2208
CAMPSIE	NSW	2194
KINGSGROVE	NSW	1480



PO BOX 6164	LAKEMBA	NSW	2195
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 42	WENTWORTHVILLE	NSW	2145
LOCKED BAG 1	HUNTER REGION MC	NSW	2310
LOCKED BAG 1	HUNTER REGION MC	NSW	2310
PO BOX 400	PARRAMATTA	NSW	2124
LOCKED BAG 5260	PARRAMATTA	NSW	2124
162-164 INCH STREET	LITHGOW	NSW	2790
PO BOX 400	PARRAMATTA	NSW	2124
2 CARIBBEAN DRIVE	SCORESBY	VIC	3179
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 63	TOONGABBIE	NSW	2146
PO BOX 1562	COFFS HARBOUR	NSW	2450
345 PACIFIC HIGHWAY	COFFS HARBOUR	NSW	2450
PO BOX 42	WENTWORTHVILLE	NSW	2145
PO Box 286	COFFS HARBOUR	NSW	2450
11 ELSWICK PLACE	COFFS HARBOUR	NSW	2450
PO BOX 1845	QUEANBEYAN	NSW	2620
LOCKED BAG 4000	DONCASTER	VIC	3108
LOCKED BAG 5260	PARRAMATTA	NSW	2124
LOCKED MAIL BAG 10	WAGGA WAGGA	NSW	2650
PO BOX 42	WENTWORTHVILLE	NSW	2145
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 63	TOONGABBIE	NSW	2146
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 718	QUEANBEYAN	NSW	2620
PO BOX 739	DUBBO	NSW	2830
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 1845	QUEANBEYAN	NSW	2620
PO BOX 1845	QUEANBEYAN	NSW	2620
PO BOX 42	WENTWORTHVILLE	NSW	2145
PO BOX 1295	PARRAMATTA	NSW	2124
PO BOX 6503	WETHERILL PARK	NSW	2164
PO BOX 610	PARRAMATTA	NSW	2124
PRIVATE BAG 1	GRANVILLE	NSW	2142
PO BOX 6521	WETHERILL PARK BC	NSW	1851
PO BOX 7056	WETHERILL PARK	NSW	2164
231 COWPASTURE ROAD	WETHERILL PARK	NSW	2164
LOCKED BAG 213	WETHERILL PARK	NSW	2164
LOCKED BAG 6	WETHERILL PARK	NSW	2164
PO BOX 5	FAIRFIELD	NSW	2165
LOCKED BAG 8	REVESBY NORTH	NSW	2212
PO BOX 99	FAIRFIELD	NSW	2165
LOCKED BAG 6	WETHERILL PARK	NSW	2164
2 DAVIS ROAD	WETHERILL PARK	NSW	2164
UNIT 17, 49 - 63 VICTORIA STREET	SMITHFIELD	NSW	2164
LOCKED BAG 1	HUNTER REGION MC	NSW	2310
PO BOX 63	TOONGABBIE	NSW	2146
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 610	PARRAMATTA	NSW	2124
PO BOX 42	WENTWORTHVILLE	NSW	2145
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 610	PARRAMATTA	NSW	2124
4 APOLLO CLOSE	WEST GOSFORD	NSW	2250
PO BOX 361	GOSFORD	NSW	2250
LOCKED BAG 7	NORTH GOSFORD	NSW	2250
PO BOX 204	WOY WOY	NSW	2256
PO BOX 42	WENTWORTHVILLE	NSW	2145
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 523	SUTHERLAND	NSW	1499
PO BOX 1845	QUEANBEYAN	NSW	2620
PO BOX 42	WENTWORTHVILLE	NSW	2145
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 159	FORSTER	NSW	2428
72-78 SUSAN STREET	CAMPERDOWN	NSW	2050
PO BOX 6427	ALEXANDRIA	NSW	2015









PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 523	SUTHERLAND	NSW	1499
1 MORT STREET	GRANVILLE	NSW	2142
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 40	PADSTOW	NSW	2211
PO BOX 204	GYMEA	NSW	2227
LEVEL 9, 154 PACIFIC HIGHWAY	ST LEONARDS	NSW	2065
LOCKED BAG 21	TAREN POINT	NSW	2229
PO BOX 7044	SYDNEY	NSW	2001
PO BOX 188 COLLINS STREET WEST	MELBOURNE	VIC	8007
PO BOX 42	WENTWORTHVILLE	NSW	2145
LOCKED BAG 1	HUNTER REGION MC	NSW	2310
PO BOX 93	WARATAH WEST	NSW	2298
154 Pacific Highway	ST LEONARDS	NSW	2065
PO BOX 3297	TAMWORTH	NSW	2340
LOCKED BAG 5260	PARRAMATTA	NSW	2124
LOCKED BAG 1	HUNTER REGION MC	NSW	2310
1 ALBURY STREET	TUMBARUMBA	NSW	2653
PO BOX 332	COOMA	NSW	2630
PO BOX 332	COOMA	NSW	2630
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 610	PARRAMATTA	NSW	2124
PO BOX 179	OXENFORD	QLD	4210
PO BOX 1369	MILTON	QLD	4064
PO BOX 1223	COOLANGATTA	QLD	4225
PO BOX 610	PARRAMATTA	NSW	2124
LOCKED BAG 5260	PARRAMATTA	NSW	2124
LOCKED BAG 13	WINDSOR	NSW	2756
53 COPLAND STREET	WAGGA WAGGA	NSW	2650
PO BOX 618	WAGGA WAGGA	NSW	2650
LOCKED MAIL BAG 10	WAGGA WAGGA	NSW	2650
PO BOX 139	YASS	NSW	2582
PO BOX 139	YASS	NSW	2582
LOCKED BAG 13	WINDSOR	NSW	2756
PO BOX 1295	PARRAMATTA	NSW	2124
PO BOX 400	PARRAMATTA	NSW	2124
1 MORT STREET	GRANVILLE	NSW	2142
PO BOX 610	PARRAMATTA	NSW	2124
LOCKED BAG 5260	PARRAMATTA	NSW	2124
5/106 OLD PITTWATER ROAD	BROOKVALE	NSW	2100
PO BOX 462	BROOKVALE	NSW	2100
1 BUMBORAH ROAD	PORT BOTANY	NSW	2036
PO BOX 99	PYMBLE	NSW	2073
156 SOUTH CREEK ROAD	DEE WHY	NSW	2099
125 BIRRELL STREET	WAVERLEY	NSW	2024
PO BOX 669	BONDI JUNCTION	NSW	1355
PO BOX 87	HORSLEY PARK	NSW	2175
PO BOX 66	COHUNA	VIC	3568
LOCKED BAG 5260	PARRAMATTA	NSW	2124
1 MORT STREET	GRANVILLE	NSW	2142
PO BOX 400	PARRAMATTA	NSW	2124
LEVEL 9, 154 PACIFIC HIGHWAY	ST LEONARDS	NSW	2065
PO BOX 169	NORTH RYDE	NSW	1670
CORNER ANN & STAN STREETS	WILLOUGHBY	NSW	2068
LEVEL 6/13 SPRING STREET	CHATSWOOD	NSW	2067
GPO BOX 4009	SYDNEY	NSW	2001
PO BOX 400	PARRAMATTA	NSW	2124
PO BOX 523	SUTHERLAND	NSW	1499
PO BOX 523	SUTHERLAND	NSW	1499
PO BOX 268	BOWRAL	NSW	2576
LOCKED BAG 5260	PARRAMATTA	NSW	2124
PO BOX 2086	WOONONA EAST	NSW	2517
PO BOX 523	SUTHERLAND	NSW	1499
PRIVATE MAIL BAG 8	CAMDEN	NSW	2570
PO BOX 220	WOLLONGONG EAST	NSW	2520
PO BOX 220	WOLLONGONG	NSW	2520
PO BOX 63	TOONGABBIE	NSW	2146

PO BOX 400  
PO BOX 210  
PO BOX 523  
PO BOX 2086  
PO BOX 62  
PO BOX 42  
LEVEL 10, 628 BOURKE STREET  
LEVEL 10, 628 BOURKE STREET  
PO BOX 243  
PO BOX 6366  
PO BOX 87  
PO BOX 14  
LMB 8808  
LMB 8808  
PO BOX 21  
PO BOX 844  
PO BOX 42  
LOCKED BAG 5260  
PO BOX 400  
PO BOX 42  
PO BOX 610  
LOCKED BAG 5260  
LOCKED BAG 13  
PO BOX 610  
PO BOX 361  
PO BOX 51  
PO BOX 47  
PO BOX 42  
PO BOX 523  
PO BOX 139  
LOCKED BAG 5260

PARRAMATTA	NSW	2124
PORT KEMBLA	NSW	2505
SUTHERLAND	NSW	1499
WOONONA EAST	NSW	2517
CORRIMAL	NSW	2518
WENTWORTHVILLE	NSW	2145
MELBOURNE	VIC	3001
MELBOURNE	VIC	3001
FAIRY MEADOW	NSW	2519
BLACKTOWN	NSW	2148
HORSLEY PARK	NSW	2175
FIGTREE	NSW	2525
SOUTH COAST MC	NSW	2521
SOUTH COAST MC	NSW	2521
BULLI	NSW	2516
WOOLLAHRA	NSW	2025
WENTWORTHVILLE	NSW	2145
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
WENTWORTHVILLE	NSW	2145
PARRAMATTA	NSW	2124
PARRAMATTA	NSW	2124
WINDSOR	NSW	2756
PARRAMATTA	NSW	2124
GOSFORD	NSW	2250
THORNTON	NSW	2322
WEST WALLSEND	NSW	2286
WENTWORTHVILLE	NSW	2145
SUTHERLAND	NSW	1499
YASS	NSW	2582
PARRAMATTA	NSW	2124

Common Name of Premise	Prem Street
DRIVETRAIN SYSTEMS INTERNATIONAL	CONRAD PLACE
ALBURY WODONGA PRIVATE HOSPITAL	186 KAITLERS ROAD
ALBURY BASE HOSPITAL	1125 PEMBERTON ST
RTA NORTH STREET DEPOT	21 BORELLA ROAD
ARMIDALE HOSPITAL	162 NORTH STREET
MAINTRAIN SERVICE CENTRE	RUSDEN STREET
METROMIX CONCRETE SILVERWATER	MANCHESTER ROAD
OFFSET ALPINE PRINTING	24 STANLEY ST
SAINT-GOBAIN ABRASIVES PTY LTD	42 BOOREA STREET
CONCRITE PTY LIMITED	25 NYRANG STREET
SMORGON STEEL METALS DISTRIBUTION	CNR SHORT AND DUCK STREETS
LIDCOMBE CONCRETE	MANCHESTER ROAD WEST
A1 HARD CHROME	LOT 2 BIRNIE AVENUE
ST. JOSEPH'S HOSPITAL	14 WETHERILL STREET
VISY INDUSTRIAL PACKAGING	NORMANBY ROAD
SUMMIT TECHNOLOGY AUSTRALIA PTY LTD	11-13 PERCY ST
HY-TEC INDUSTRIES PTY LTD	UNIT 28, SLOUGH BUSINESS PARK, SLOUGH AVENUE
PEREGRINE SEMICONDUCTOR AUSTRALIA PTY LIMITED	155-157 ADDERLEY ST
	8 HERB ELLIOTT AVE
	20 Highgate Street
AUBURN HOSPITAL	NORVAL STREET
Link Printing	81 Derby Street
Cummins	492-494 Victoria Street
Bearing Engineering Services	Melissa St
Blue Star Print Group Australia Pty Ltd	1/83 Derby Street
BALLINA CONCRETE	Cnr Simmons and North Creek Road
BITUPAVE LTD	GAP ROAD
HANSON CONSTRUCTION MATERIALS PTY LTD	15 SIMMONS STREET
BALLINA READY MIXED CONCRETE	6 CONVAIR AVE
JOHN HEINE & SON PTY LTD	273 EDGAR STREET
G.A & L. HARRINGTON PTY LTD	108 FAIRFORD ROAD
HEATCRAFT AUSTRALIA PTY LTD	286 HORSLEY ROAD
CHULLORA SERVICE CENTRE	73 ANZAC STREET
CHULLORA PRINT CENTRE	26-52 HUME HIGHWAY
TGE ENERGY SERVICES	2 WORTH STREET
THE ROYAL SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS, NEW SOUTH WALES	201 ROOKWOOD RD
DORF CLARK INDUSTRIES - REVESBY MANUFACTURING	194 MILPERRA RD
SKIPPER AUSTRALIA PTY LIMITED	199 MILLER ROAD
AUSTRALIAN SPRINGS PTY LTD	44 FITZPATRICK ST
REGENTS PARK ELECTROPLATING PTY LTD	41 CARLINGFORD STREET
BANKSTOWN-LIDCOMBE HOSPITAL	ELDRIDGE ROAD
BLU-CHROME PTY LIMITED	137 ELDRIDGE ROAD
DALTON PACKAGING	UNITS 7 &8, 350 EDGAR STREET
ALL PAINT POWDER COATERS	131 ELDRIDGE ROAD
LACHLAN ELECTROPLATERS AND DIECASTERS	39-41 FITZPATRICK STREET
	Block M, 391 Park Road
SYDNEY SOUTH 330 kV SUBSTATION	Henry Lawson Drive
COUNCIL ANZAC STREET DEPOT	1-3 Anzac Street
UNITED GROUP RAIL FLEET SERVICES	2 WORTH STREET
IMPRESS AEROSOLS MILPERRA	11 Amour Street
Goodrich Aerospace Pty Ltd	3/66 Christina Road
GLOBUS GROUP	1 HARTZELL PLACE
Finished Products P/L	31 Moxon Road
Silvergleam Electroplating Co Pty Ltd	121-123 Carlingford St
BATHURST BASE HOSPITAL	HOWICK STREET
EMOLEUM	23 ZAGREB STREET
HANSON CONSTRUCTION MATERIALS PTY LTD	ERIC SARGENT DRIVE
BATHURST CONCRETE	12 VALE ROAD
HOBSON ENGINEERING CO PTY LTD	14 VICTORIA AVE
STATE FORESTS OF NSW	121-131 ORATAVA AVENUE
ECOLAB PTY LTD	6 HUDSON AVENUE
THE HILLS PRIVATE HOSPITAL	499 WINDSOR ROAD
BRONZING STUDIO - CHROMETECH	40/5 ANELLA AVENUE
BORAL COUNTRY - CONCRETE & QUARRIES	PAMBULA ROAD
BEGA DISTRICT HOSPITAL	McKEE STREET



FAMBULA DISTRICT HOSPITAL  
BLACKTOWN CONCRETE  
METROMIX SEVEN HILLS  
BORAL CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
WESCO READY MIXED CONCRETE (NSW) PTY LTD  
HYMIX AUSTRALIA PTY LTD  
HY-TEC INDUSTRIES PTY LTD  
GREIF AUSTRALIA PTY LIMITED  
LANDER MOTOR GROUP  
SONY DADC  
BLACKTOWN HOSPITAL  
PEGASUS PRINTING  
MTU DETROIT DIESEL AUSTRALIA  
COATS AUSTRALIA PTY LIMITED  
MOUNT DRUITT HOSPITAL  
SIGMA COACHAIR GROUP PTY LTD  
HY-TEC CONCRETE  
SCIENTIFIC GAMES PRODUCTS (AUSTRALIA) PTY LTD  
MT DRUITT TRANSMISSION SUBSTATION  
Duram Industries Pty Ltd  
Wartsila Australia Pty Ltd  
Alfa Laval Australia Pty Limited  
Concrete Blacktown  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
METROMIX CONCRETE  
BLUE MOUNTAINS DISTRICT ANZAC MEMORIAL HOSPITAL  
BORAL CONCRETE  
WESCO READY MIXED CONCRETE (NSW) PTY LTD  
ECOLAB WATER CARE SERVICES PTY LIMITED  
BRITISH AMERICAN TOBACCO AUSTRALIA LIMITED  
  
SYDNEY AIRPORT  
EATON ELECTRIC SYSTEMS PTY LTD  
GEON NEW SOUTH WALES  
HY-TEC INDUSTRIES PTY LTD  
Qantas Jet Base  
Abbott Australasia Pty Ltd  
Qantas Flight Catering Centre  
Port Botany Container Terminal  
BROKEN HILL BASE HOSPITAL  
STRATHFIELD PRIVATE HOSPITAL  
STATE TRANSIT AUTHORITY OF NSW - BURWOOD BUS DEPOT  
BYRON BAY CONCRETE  
BRUNSWICK HEADS CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
NARELLAN CONCRETE PLANT  
BORAL CONCRETE  
CONCRITE PTY LTD  
BORAL CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
PRECISION VALVE AUSTRALIA PTY LTD  
FULTON HOGAN PTY LTD  
  
MACARTHUR PRIVATE HOSPITAL  
CAMPBELLTOWN HOSPITAL  
KIRK GROUP  
DAVIES CAMPBELL DE LAMBERT PATHOLOGY  
CANADA BAY PRIVATE HOSPITAL  
FRED HOSKING PTY LTD  
CONCORD REPATRIATION GENERAL HOSPITAL  
B. M. HIGGINBOTTOM PTY LTD  
CLEVELAND CLEANING SUPPLIES PTY LIMITED  
CANTERBURY HOSPITAL  
STA - KINGSGROVE BUS DEPOT

MERIBOLA STREET  
LOT 7 TATTERSALL ROAD  
POWERS ROAD  
FOURTH AVE  
LOT 48 MELBOURNE ROAD  
70 SARGENTS ROAD  
55 MELBOURNE ROAD  
10 BEARING ROAD  
29 FOUNDRY ROAD  
110 SUNNYHOLT ROAD  
60 HUNTINGWOOD DRIVE  
BLACKTOWN ROAD  
1A BESSEMER STREET - BUILDING 'B'  
11-13 GARLING ROAD  
125-129 STATION ROAD  
75 RAILWAY STREET  
3 Distillers Place  
202 POWER STREET  
4 Ford Street  
Lot 2 Kurrajong Avenue  
51 Prince William Drive  
48 Huntingwood Drive  
14 Healey Circuit  
77A Tattersal Road  
MARIA STREET  
LOT 222 LAWSON ROAD  
46 RIDGE STREET  
19 TWYNHAM STREET  
CNR WOODLANDS ROAD AND GREAT WESTERN HIGHWAY  
CORNER BAKER AND ANDERSON STREETS  
71 STEPHEN ROAD  
19-21 HALE STREET  
WESTFIELD DRIVE  
6 MARGATE STREET  
241 O'RIODAN STREET  
10 KENT ROAD  
16-20 BAKER STREET  
296 COWARD STREET  
Sydney Airport  
32-34 Lord Street  
Qantas Jet Base (Kingsford Smith)  
Penrhyn Road  
THOMAS STREET  
3 EVERTON ROAD  
CNR PARRAMATTA & SHAFTSBURY ROADS  
BYRON BAY ROAD  
LOT 1380 MOGO PLACE  
LOT 41 BANKSIA DRIVE  
LOT6 MOGO PLACE  
9 GRAHAMS HILL ROAD  
GRAHAM HILL ROAD  
169 HARTLEY ROAD  
7 - 11 ESSEX STREET  
66 BLAXLAND ROAD  
85 WILLIAMSON ROAD  
117 AIRDS ROAD  
LOT 16 SHAW ROAD  
92-96 DUMARESQ ST  
THERRY ROAD  
6 AIRDS ROAD  
2 LEEDS STREET  
55 BURWOOD ROAD  
STATION AVE  
HOSPITAL ROAD  
15 ELIZABETH STREET  
23 FORRESTER STREET  
CANTERBURY ROAD  
17 RICHLAND ST

ASTOR BASE METALS  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
CESSNOCK DISTRICT HOSPITAL  
Kurri Kurri Hospital  
LITHGOW CONCRETE  
LITHGOW CONCRETE PLANT  
DENIS COOKE'S METAL INDUSTRIES PTY LTD  
GRAFTON CONCRETE  
CUMMINS  
HANSON CONSTRUCTION MATERIALS PTY LTD  
COFFS HARBOUR CONCRETE  
WOOLGOOLGA CONCRETE  
BORAL ASPHALT  
SULLIVAN NICOLAIDES PATHOLOGY  
COFFS HARBOUR HEALTH CAMPUS  
BORAL COUNTRY - CONCRETE & QUARRIES

High Quality Concrete  
COOMA HEALTH SERVICE  
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HANSON CONSTRUCTION MATERIALS PTY LTD  
DENILQUIN HOSPITAL  
BORAL COUNTRY - CONCRETE & QUARRIES  
DUBBO CONCRETE  
BORAL ASPHALT  
HANSON CONSTRUCTION MATERIALS PTY LTD  
COUNTRY ENERGY FIELD SERVICE CENTRE DUBBO  
DUBBO BASE HOSPITAL  
BATEMANS BAY CONCRETE  
MORUYA DISTRICT HOSPITAL  
BATEMANS BAY DISTRICT HOSPITAL  
BORAL COUNTRY - CONCRETE & QUARRIES  
METROMIX WETHERILL PARK  
FIP BRAKES INTERNATIONAL  
HYMIX AUSTRALIA PTY LTD  
EMOLEUM  
SASSO CONCRETE PTY LTD  
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AUST-TECH FURNITURE PTY LIMITED  
CSR VIRIDIAN LIMITED  
CROWN EQUIPMENT PTY LTD  
FAIRFIELD HOSPITAL  
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Dana Automotive Systems Group  
Crown Equipment Pty Ltd  
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GLEN INNES HOSPITAL  
BORAL ASPHALT  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HYMIX AUSTRALIA PTY LTD  
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HANSON CONSTRUCTION MATERIALS PTY LTD  
HYMIX AUSTRALIA PTY LTD  
COASTWIDE READYMIX CONCRETE  
GOSFORD HOSPITAL  
NORTH GOSFORD PRIVATE HOSPITAL  
BRISBANE WATERS PRIVATE HOSPITAL  
BORAL COUNTRY - CONCRETE & QUARRIES  
HANSON CONSTRUCTION MATERIALS PTY LTD  
CONCRITE  
GOULBURN BASE HOSPITAL  
BORAL COUNTRY - CONCRETE & QUARRIES  
FORSTER CONCRETE  
Cape Hawke Community Private Hospital  
ROYAL PRINCE ALFRED HOSPITAL  
GOODMAN FIELDER COMMERCIAL

512 Punchbowl Road  
ANSTEY STREET  
JOHNSON AVE  
View St  
Lang Street  
174 BELLS ROAD  
144 INCH STREET  
162-164 Inch Street  
HYDE STREET  
18-20 INDUNA STREET  
22 NEWCASTLE DRIVE  
PACIFIC HIGHWAY  
35 BOSWORTH ROAD  
Lots 1-4 O'KEEFE DRIVE  
23 PARK AVE  
345 Pacific Highway  
12 NEWCASTLE DRIVE  
19/20a Lawson Crescent  
Elswick Place  
Bent Street  
POSIEDON ROAD  
DAY STREET  
40 CHARLOTTE STREET  
JANALLI ROAD  
73-75 FITZROY STREET  
DUBBO STREET, TALBRAGAR QUARRY VIA DUBBO  
29L YARRANDALE ROAD  
Hawthorn Street  
MYALL STREET  
10 RUSSELL STREET  
RIVER STREET  
PACIFIC STREET  
RUSSEL STREET  
136 HASSALL STREET  
6 WENBAN PLACE  
173-179 COWPASTURE ROAD  
24 DAVIS STREET  
176 NEWTON ROAD  
374 VICTORIA STREET  
231 COWPASTURE ROAD  
139 - 145 NEWTON ROAD  
129-131 LONG STREET  
CNR POLDING ST & PRAIRIEVALE RD  
17 THE PROMENADE  
205-231 Fairfield Road  
123 Long Street  
2 Davis Road  
22 VICTORIA STREET  
TAYLOR STREET  
LOT 1 COMSERV CLOSE  
7 KERTA ROAD  
19 TATHRA STREET  
LOT 9 GRIEVE CLOSE  
CNR KIRRAWEE ROAD & GLENNIE STREET  
9-10 COCHRANE STREET  
4 APOLLO CLOSE  
HOLDEN STREET  
9 BURRABIL AVENUE  
21 VIDLER STREET  
2 Kerta Road  
68 MARY STREET  
LANSDOWNE STREET  
130 GOLDSMITH STREET  
GREY GUM ROAD  
KULAROO DRIVE  
Cnr South and Breckenridge Streets  
MISSENDEN ROAD  
198 Bourke Road

LAWRENCE DRY CLEANERS  
CITY CONCRETE  
METROMIX ALEXANDRIA  
ABLE ALEXANDRIA  
HYMIX AUSTRALIA PTY LTD  
PIONEER ROAD SERVICES  
CONCRITE PTY LIMITED  
HANSON CONSTRUCTION MATERIALS PTY LTD  
SEALED AIR AUSTRALIA PTY LTD  
HANNANPRINT NSW  
AUSTRALIAN METAL CO PTY LTD  
ROYAL BOTANIC GARDENS  
ST LUKE'S HOSPITAL COMPLEX  
ALEXANDRIA PLATING PTY LTD  
HEIDELBERG GRAPHIC EQUIPMENT LIMITED  
AUSTRALIAN RED CROSS BLOOD SERVICE  
SYDNEY HOSPITAL & SYDNEY EYE HOSPITAL  
ST VINCENTS PRIVATE HOSPITAL  
HCF HOUSE  
ST VINCENTS HOSPITAL  
MERCEDES-BENZ OF SYDNEY  
INTEC LTD  
DEPARTMENT OF FORENSIC MEDICINE  
Energy Australia  
The University of Sydney  
Fox Studios Australia (Professional Studios)  
The Preterm Foundation  
Xplorer Service Centre  
ALBURY GALVANIZING PTY LTD  
MONARO MIX SPECIFIED CONCRETE PTY LIMITED  
QUEANBEYAN HEALTH SERVICE  
TAREE CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BORAL ASPHALT  
MAYO PRIVATE HOSPITAL  
MANNING BASE HEALTH CAMPUS  
GRIFFITH BASE HOSPITAL  
Coolact Bypass Concrete Batch Plant  
GUNNEDAH HOSPITAL  
TINGHA HOSPITAL  
WARIALDA DISTRICT HOSPITAL  
WINDSOR CONCRETE  
HUHTAMAKI AUSTRALIA

BORAL CONCRETE  
HANNA GROUP  
BORAL CONCRETE  
BORAL CONCRETE  
MSA (AUST.) PTY LTD  
ANZPAC SERVICES  
TORNBOS HOLDINGS PTY LTD  
COCA-COLA AMATIL (AUST) PTY LTD  
WADEPACK PTY LTD  
CROWN EQUIPMENT PTY LTD  
Abbstrong Pty Limited

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Tyco Safety Products  
Siel Recycling  
HORNSBY CONCRETE  
BORAL CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
ABLE HORNSBY  
HORNSBY KURING-GAI HOSPITAL  
PHIL MCCARROLL TOYOTA  
THE WRIGLEY COMPANY  
SYDNEY NORTH 330kV SUBSTATION  
HORNSBY MAINTENANCE CENTRE

887 BOURKE STREET  
122-132 EUSTON ROAD  
169 EUSTON ROAD  
131 WYNDHAM STREET  
41-45 BANK STREET  
40-42 BURROWS ROAD  
25 MANDIBLE STREET  
BRIDGE ROAD  
3 BURROWS ROAD  
55 DOODY STREET  
15 BOURKE ROAD  
MRS MACQUARIES ROAD  
18 ROSLYN ST  
74 PRINCESS AVE  
50 O'DEA AVENUE  
153 CLARENCE STREET  
8 MACQUARIE STREET  
406 Victoria Street  
403 George Street  
390 Victoria Street  
Cnr Joynton & Elizabeth Streets  
Room 427, Building J01, Maze Crescent, the University of Sydney  
50 PARRAMATTA ROAD  
122-138 Joyton Avenue  
Camperdown & Darlington Campuses  
Driver Avenue  
1-5 Randle Street  
Henderson Road (off)  
LOT 9 DAVIS DRIVE  
9 BOWEN PLACE  
Cnr Erin and Collett Street  
PITT STREET  
53 MULDOON STREET  
29 ARKWRIGHT CRESCENT  
1 POTOROO STREET  
HIGH STREET  
ANIMOO AVENUE  
Hume Highway  
MARQUIS STREET  
INVERELL ROAD  
33 LONG STREET  
LOT 10 (115) FAIREY ROAD  
120 MILEHAM STREET  
LOT8 HUDSON PLACE  
Lots 19 + 20 SPEEDWELL PLACE  
BELLS LINE OF ROAD  
LONG ROAD  
MORT STREET  
137 GILBA ROAD  
32 BRITTON STREET  
14 CULLEN PLACE  
1 STURT STREET  
4 SEVILLE ST  
CNR COOPER & LONG STREETS  
21 Sammut Street  
23-47 Percival Road  
144-156 McCredie Road  
137 McCredie Road  
9/1-3 Dursley Road  
12 CHILVERS ROAD  
23 SEFTON ROAD  
3 PIONEER AVE  
11 SALISBURY ROAD  
PALMERSTON ROAD  
42-54 PACIFIC HIGHWAY  
MICHIGAN AVENUE  
1103 Old Northern Road  
1B STEPHEN STREET

Energy Australia  
HUNTERS HILL PRIVATE HOSPITAL  
HCF DENTAL CENTRE  
Energy Australia  
INVERELL DISTRICT HOSPITAL  
CLEARY BROS CONCRETE  
Lothway TBS Pty Ltd  
HURSTVILLE CONCRETE  
ST GEORGE PRIVATE HOSPITAL  
HURSTVILLE COMMUNITY PRIVATE HOSPITAL LIMITED  
ST GEORGE HOSPITAL  
J.M. NICOL PTY. LIMITED  
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Mortdale Maintenance Centre  
DALCROSS PRIVATE HOSPITAL  
SYDNEY ADVENTIST HOSPITAL  
LADY DAVIDSON PRIVATE HOSPITAL  
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HYMIX AUSTRALIA PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HYMIX AUSTRALIA PTY LTD  
HUNTER READYMIXED CONCRETE PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
TERALBA CONCRETE  
BORAL COUNTRY - CONCRETE & QUARRIES  
TORONTO PRIVATE HOSPITAL  
MORISSET HOSIPTAL  
BELMONT DISTRICT HOSPITAL  
NEWCASTLE 330 kV SUBSTATION  
WARNERS BAY PRIVATE HOSPITAL  
Redicrete Pty Ltd  
COCHLEAR LIMITED  
MACHIN & EWEN PTY LTD  
INDUSTRIAL & DECORATIVE GOLD PLATING  
CAP-XX  
THE ROZELLE HOSPITAL  
APPAREL FITTINGS AUSTRALASIA PTY LTD  
LEICHHARDT DEPOT  
BALMAIN HOSPITAL  
LISMORE CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
SULLIVAN NICOLADES PATHOLOGY  
ABB AUSTRALIA PTY LIMITED  
BORAL CONCRETE  
LIVERPOOL CONCRETE  
CONCRITE PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
NOVARTIS ANIMAL HEALTH AUSTRALASIA PTY LTD  
SUPERIOR RADIATOR SERVICE PTY LTD  
IPLEX PIPELINES AUSTRALIA PTY LIMITED  
HYTEC  
STATE ASPHALTS NSW PTY LTD  
INTEGRAL ENERGY HOXTON PARK DEPOT  
FINE ART GRAPHICS  
LIVERPOOL HEALTH SERVICE  
PIONEER PLATING  
Boral Concrete  
Sydney Southwest Private Hospital  
FLEET MAINTENANCE CENTRE  
WERRIS CREEK HOSPITAL  
MAITLAND READY MIXED CONCRETE  
BORAL COUNTRY - CONCRETE & QUARRIES  
PIONEER ROAD SERVICES PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HUNTER READYMIXED CONCRETE PTY LTD  
HYMIX AUSTRALIA PTY LTD  
MAITLAND HOSPITAL

51-59 Bridge Road  
9 MOUNT STREET  
12 Butler Street  
33 Judd Street  
SWANBROOK ROAD  
LOT 97 PRINCES HIGHWAY  
PRINCES HIGHWAY, RAIL BRIDGE SITE, PUBLIC RESERVE, NORTH EAST SIDE OF RIVERSIDE DRIVE  
156 BELLEVUE PARADE  
1 SOUTH STREET  
37 GLOUCESTER ROAD  
GRAY STREET  
51-53 PLANTHURST ROAD  
91 ROCKY POINT ROAD  
Boundary Road  
28 STANHOPE RD  
185 FOX VALLEY ROAD  
BOBBIN HEAD ROAD  
230 MANDALONG ROAD  
34 KALAROO ROAD  
65 SEVENTH ST  
59 PACIFIC HIGHWAY  
361 AWABA ROAD  
8 NEVIN CLOSE  
35 OAKDALE ROAD  
CNR. PITT & WILLIAM STREETS  
LOT 335 DARRAMBAL CLOSE  
CNR CARY ST & EXCELSIOR PDE  
Off Macquarie Street  
CROUDACE RD  
101 Killingworth Road  
FAIRFAX ROAD  
7 Stenhouse Drive  
14 - 16 MARS ROAD  
CNR MARS & SIRIUS ROADS  
79-81 MARS ROAD  
9-10/12 MARS ROAD  
CNR GLOVER & CHURCH STREETS  
67 JOHN STREET  
Cnr William & Derbyshire Streets  
BOOTH STREET  
MACAULEY STREET  
NORCO LANE  
2/20 Dalley Street  
3 BAPAUME ROAD  
5 GREENHILLS AVE  
28 REGENT CRESCENT  
26 SETON ROAD  
54 JEDDA ROAD  
245 WESTERN ROAD  
12 SETON ROAD  
35 Alfred Road  
100 JEDDA ROAD  
90 Jedda Road  
490 Hoxton Park Road  
UNIT 10/10 LYN PARADE  
ELIZABETH STREET  
1 Mitchell Road  
10-12 Bernera Rd  
40 Bigge St  
SINGLE STREET  
NORTH STREET  
LOT 91 NEW ENGLAND HIGHWAY  
71 ABERGLASSLYN ROAD  
LOT 23 GARDINERS ROAD  
10 METFORD ROAD  
54 GLENWOOD DRIVE  
15 KYLE ST  
550-560 HIGH STREET

WAX CONVERTERS TEXTILES PTY LTD  
MANLY WATERS PRIVATE HOSPITAL  
MANLY HOSPITAL  
BORAL CONCRETE  
XPT MAINTENANCE CENTRE  
BIOCLONE  
HALLMARK PLATERS  
ALFRED JOHNS PTY LTD  
MOREE DISTRICT HOSPITAL  
MOSMAN PRIVATE HOSPITAL  
BORAL RESOURCES (VIC) PTY LIMITED  
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MUSWELLBROOK DISTRICT HOSPITAL  
Energy Australia Muswellbrook Depot  
NARRABRI HOSPITAL  
CSD DELINTING PLANT  
BORAL ASPHALT  
PREMIER CONCRETE (NSW) PTY LTD  
HYMIX AUSTRALIA PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
TIGHES HILL CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BORAL ASPHALT  
LOCOMOTIVE SERVICE CENTRE  
SHORTLAND CHEMICAL STORAGE FACILITY  
GONINANS  
JOHN HUNTER HOSPITAL  
JAMES FLETCHER HOSPITAL  
ENDEAVOUR MAINTENANCE CENTRE  
NEWCASTLE PRIVATE HOSPITAL  
NEWCASTLE MATER HOSPITAL  
ROYAL NEWCASTLE HOSPITAL  
LINGARD PRIVATE HOSPITAL  
HUNTER VALLEY PRIVATE HOSPITAL  
Adamstown Readymix (non CMG Concrete)  
BORAL COUNTRY - CONCRETE & QUARRIES  
NORTH SYDNEY BUS DEPOT  
THE MATER HOSPITAL  
RTA - SYDNEY HARBOUR BRIDGE MAINTENANCE  
NORTH SHORE PRIVATE HOSPITAL  
OBERON CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
ORANGE BASE HOSPITAL  
BORAL ASPHALT  
COLOUR CITY WASTE SOLUTIONS  
ORANGE DEPOT  
FRESHSTART WASTE OIL  
DUDLEY PRIVATE HOSPITAL  
AUSTRALIAN LABORATORY SERVICES PTY. LTD.  
HANSON CONSTRUCTION MATERIALS PTY LTD  
LAIDLEY'S  
EMOLEUM  
PENDLE HILL CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
COCA-COLA AMATIL (AUST) PTY LTD  
HYMIX AUSTRALIA PTY LTD  
DOWDING & MILLS (AUSTRALIA) PTY LIMITED  
WESTMEAD HOSPITAL  
PARRAMATTA BLOOD SERVICE  
THE CHILDRENS HOSPITAL AT WESTMEAD  
R.E. BATGER PTY LTD  
VIP PACKAGING  
Lothway TBS Pty Ltd  
BORAL CONCRETE  
BORAL CONCRETE

77 RACECOURSE ROAD  
17 COVE AVENUE  
DARLEY RD  
25 BURROWS ROAD SOUTH  
WAY STREET  
71-73 RAILWAY PARADE  
58 MEEKS ROAD  
25 FITZROY STREET  
ALICE STREET  
1 ELLAMATTA AVENUE  
8 EDDY AVENUE  
WALLARAH ROAD  
JERDEN STREET  
LOT 30 CARRAMERE ROAD  
BRENTWOOD STREET  
41 Thomas Mitchell Drive  
11 CAMERON STREET  
"SHENSTONE", CULGOORA ROAD  
1 GROSS STREET  
5 CARBINE CLOSE  
CNR. TOURLE STREET & INDUSTRIAL DRIVE  
MORDUE PARADE  
340 INDUSTRIAL DRIVE  
29 CARBINE CLOSE  
CNR FLETCHER & GOW STREETS  
LENAGHANS DRIVE  
SELWYN STREET  
OFF ADEN ST  
16 BROADMEADOW ROAD  
Lookout Road  
Watt Street  
BROWN ROAD  
2 Lookout Road  
Edith Street  
1 KING STREET  
23 MEREWETHER STREET  
20 MAWSON STREET  
118 Garden Grove Parade  
72 ENTERPRISE DRIVE  
359 ERNEST STREET  
25 - 35 ROCKLANDS ROAD  
LOWER FORT STREET  
3 Westbourne Street  
9 HORACE STREET  
1 SCOTT PLACE  
DALTON STREET  
60 Phillip Street  
LOT 101 OPHIR ROAD  
McLachlan Street  
24 SCOTT PLACE (LEEWOOD INDUSTRIAL ESTATE)  
261 MARCH STREET  
10 LEEWOOD DRIVE  
CLARKE STREET  
9-15 May Street  
GATE 1, UNWIN STREET  
154A BUNGAREE ROAD  
225 WENTWORTH AVE  
128 BRIENS ROAD  
14 GRAND AVE  
14-16 CLYDE STREET  
CNR HAWKESBURY AND DARCY ROAD  
4 GEORGE ST  
CNR HAWKESBURY ROAD & HAINSWORTH STREET  
200 RAILWAY TERRACE  
11A Ferndell Street  
Eric Primose Reserve, Thackeray St  
PEACHTREE ROAD  
136 CHRISTIE STREET

CNH AUSTRALIA PTY LTD  
HY-TEC INDUSTRIES PTY LTD  
  
NEPEAN HOSPITAL  
INTEGRAL ENERGY PENRITH DEPOT  
NEPEAN PRIVATE HOSPITAL  
TOTAL CONCRETE SOLUTIONS PTY LTD  
STATE TRANSIT AUTHORITY  
MONA VALE HOSPITAL  
HANSON CONSTRUCTION MATERIALS PTY LTD  
PIONEER ROAD SERVICES PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
BORAL COUNTRY - CONCRETE & QUARRIES  
READYMIX PORT MACQUARIE  
PORT MACQUARIE BASE HOSPITAL  
PORT MACQUARIE PRIVATE HOSPITAL  
PORT MACQUARIE WASTE MANAGEMENT FACILITY  
HEATHERBRAE CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
SALAMADER BAY CONCRETE  
WEATHERTEX PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
BORAL COUNTRY - CONCRETE & QUARRIES  
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GREENCORP MAGNETICS PTY LTD  
STATE TRANSIT AUTHORITY  
PRINCE OF WALES PRIVATE HOSPITAL  
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Port Botany Container Park  
CASINO CONCRETE  
VULKAN INDUSTRIES  
ALLKOTES PTY LIMITED  
ROADS & TRAFFIC AUTHORITY  
MORRIS MCMAHON & CO PTY LTD  
ROYAL REHABILITATION CENTRE SYDNEY  
BRI AUSTRALIA LIMITED  
STATE TRANSIT AUTHORITY  
MACQUARIE HOSPITAL  
RYDE HOSPITAL  
DOUGLASS HANLY MOIR PATHOLOGY  
Sydney Water Corporation  
SDS Pathology  
MAN B&W DIESEL AUSTRALIA PTY LTD  
PIONEER ROAD SERVICES  
HANSON CONSTRUCTION MATERIALS PTY LTD  
Shellharbour Hospital (public)  
CLEARY BROS CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
NOWRA CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BORAL ASPHALT  
BORAL COUNTRY - CONCRETE & QUARRIES  
NOWRA PRIVATE HOSPITAL  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BORAL COUNTRY - CONCRETE & QUARRIES  
SINGLETON DISTRICT HOSPITAL  
Energy Australia Singleton Sub-Transmission Substation  
LOCOMOTIVE MAINTENANCE CENTRE  
BORAL CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
INSULATION SOLUTIONS  
DIAMOND HARD CHROME PTY LTD  
BORAL ASPHALT  
ELG Recycling Processors Pty Ltd  
Flemington Passenger Fleet Maintenance Centre  
CONCRITE PTY LIMITED

31-53 KURRAJONG AVE  
12 LINKS ROAD  
KITE STREET  
CNR DERBY STREET AND PARKER STREET  
96-120 Blaikie Road  
9 Barber Avenue  
261 COOMBES DRIVE  
58 DARLEY STREET  
CORONATION ST  
14 BLACKBUTT ROAD  
132 BAGO ROAD  
BAYSIDE CIRCUIT  
4 BELAH ROAD  
35 ACACIA AVE  
WRIGHTS ROAD  
LAKE ROAD  
KINGFISHER ROAD  
345 PACIFIC HIGHWAY  
16-18 PORT STEPHENS STREET  
328 SOLDIERS POINT ROAD  
334 SOLDIERS POINT ROAD  
MASONITE ROAD  
14 MOTTO LANE  
16-17 GEORGE ROAD  
BARKER STREET  
80 PERRY STREET  
36 KING ST  
Barker Street  
1 Bumborah Point Road  
1890 Botany Road  
12-14 Tomki Drive  
3 GARNET STREET  
15 HENDERSON STREET  
422 WEST BOTANY STREET  
34 ARNCLIFFE STREET  
59 CHARLES STREET  
1 RIVETT ROAD  
49-75 BUFFALO RD  
WICKS ROAD  
DENNISTONE RD  
95 Epping Rd  
51 HERMITAGE ROAD  
10 Lyon Park Road  
36-42 WATERLOO ROAD  
30 RIVULET CRES  
SHELLHARBOUR ROAD  
Madigan Boulevard  
LOT 3 BOLONG ROAD  
250 PRINCES HIGHWAY  
LOT 316 YALWAL ROAD  
LOT 22 CUMBERLAND AVE  
CAMDEN STREET  
NORFOLK AVENUE  
3 STRATHSTONE STREET  
WEEROONA PLACE  
MAISON DIEU ROAD  
DARLINGTON ROAD  
Dangar Rd  
Maison Dieu Road  
COSGROVE ROAD  
1-5 NORFOLK RD  
10 DUNLOP STREET  
161 ARTHUR STREET  
27 COSGROVE ROAD  
1-5 NORFOLK ROAD  
70 Cosgrove Road  
Bachell Avenue  
444 THE BOULEVARDE

CARINGBAH CONCRETE  
CONCRITE PTY LTD  
BORAL CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
HANDYCRETE CONCRETE PTY LTD  
PRESIDENT PRIVATE HOSPITAL  
KAREENA PRIVATE HOSPITAL  
SUTHERLAND HOSPITAL  
Chevron  
Lothway-TBS Pty Ltd  
BORAL COUNTRY - CONCRETE & QUARRIES  
TAMWORTH BASE HOSPITAL  
TAMWORTH REGIONAL CENTRE  
Tamara Private Hospital  
Redimix Concrete Westdale  
HANSON CONSTRUCTION MATERIALS PTY LTD  
PRINCE ALBERT MEMORIAL HOSPITAL  
SOUTHERN GATEWAY CONCRETE PTY LTD  
SNOWY HYDRO LIMITED KHANCOBAN MAIN STORE  
SNOWY HYDRO LIMITED TALBINGO MAIN STORE  
MURWILLUMBAH CONCRETE  
TWEED HEADS CONCRETE PLANT  
HYMIX CONCRETE  
NUCON PTY LTD  
Boral Concrete  
POWERHOUSE BATTERIES  
  
HANSON CONSTRUCTION MATERIALS PTY LTD  
PIONEER ROAD SERVICES PTY LTD  
SUPERMIX CONCRETE  
CALVARY HOSPITAL  
WAGGA WAGGA BASE HOSPITAL  
WAGGA WAGGA 132 kV SUBSTATION  
WAGGA WAGGA 330 kV SUBSTATION  
PIONEER ROAD SERVICES PTY LTD  
METROMIX CONCRETE  
BROOKVALE CONCRETE  
BORAL CONCRETE  
HYMIX AUSTRALIA PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
PHARMACEUTICAL FILLERS PTY LIMITED  
COLORMAKER INDUSTRIES AUSTRALIA  
BROOKVALE BUS DEPOT  
3M AUSTRALIA  
Dynamic Press  
WAR MEMORIAL HOSPITAL WAVERLEY  
WAVERLEY BUS DEPOT  
WELLINGTON 330 kV SUBSTATION  
MAWSON'S CONCRETE  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BORAL CONCRETE  
ARTARMON CONCRETE  
CASTLECRAG PRIVATE HOSPITAL  
ROYAL NORTH SHORE HOSPITAL  
WILLOUGHBY BUS DEPOT  
HCF DENTAL CENTRE  
Energy Australia  
CSR READYMIX  
CONCRITE PTY LIMITED  
CONCRITE PTY LIMITED  
BOWRAL AND DISTRICT HOSPITAL  
HANSON CONSTRUCTION MATERIALS PTY LTD  
BAINES TRANSPORT PTY LTD  
CONCRITE PTY LTD  
ELIZABETH MACARTHUR AGRICUTURAL INSTITUTE  
SCE PREMIX - Wollongong Plant  
SCE PREMIX - Dapto Plant  
BORAL ASPHALT

LOT 5 PARRAWA ROAD  
NEW ILLAWARRA ROAD  
52 BAY ROAD  
3 ERSKINE ROAD  
5 / 423 THE BOULEVARDE  
369 PRESIDENT AVE  
86 KAREENA ROAD  
CNR KINGSWAY AND KAREENA ROAD  
Sir Joseph Banks Drive  
Princes Highway  
CRAWFORD STREET  
31 DEAN STREET  
Goonoo Goonoo Road (New England Highway)  
2-6 Dean Street  
18-20 Armstrong Street  
3 INDUSTRIAL AVENUE  
NAAS STREET  
1 ALBURY STREET  
WATERFALL FARM ROAD  
STORE ROAD OFF MURRAY JACKSON AVE  
BUCHANAN STREET  
24 MACHINERY DRIVE  
28 INDUSTRY DRIVE  
CHINDERAH ROAD  
26 Ozone Street  
55 OURIMBAH ROAD  
28-30 Ozone Street  
WILLANS HILL, OFF LAKE ALBERT ROAD  
26 ROACH ROAD  
53 COPLAND ST  
HARDY AVE  
EDWARD ST  
COPLAND ROAD  
CNR ASHFORD ROAD AND BOILING DOWN ROAD  
LOT 4 BOMEN ROAD  
158 SOUTH CREEK ROAD  
18 WILLIAM STREET  
2-10 ADA AVE  
192 HARBORD ROAD  
46 ORCHARD ROAD  
5-8/106 OLD PITTWATER ROAD  
44 ORCHARD ROAD  
630-636 PITTWATER ROAD  
13 RODBOROUGH ROAD  
156 South Creek Road  
125 BIRRELL STREET  
CNR OXFORD ST & YORK ROAD  
Goolma Road  
CNR SILVER CITY HIGHWAY & CORBETT AVENUE  
6 LANCELEY PLACE  
88 RESERVE ROAD  
8 MARDEN STREET  
150 EDINBURGH ROAD  
PACIFIC HIGHWAY  
CNR ANN & STAN STREETS  
6/13 Spring Street  
86 Reserve Road  
24 BOWRAL STREET  
178 Berrima Road  
DRAPERS ROAD  
Mona Road  
85 BRIDGE STREET  
900 WILTON ROAD  
LOT 11 REDBANK PLACE  
WOODBRIIDGE ROAD  
101 MONTAGUE STREET  
32 MARSHALL STREET  
SPRINGHILL ROAD

UNANDERRA CONCRETE  
CLEARY BROS CONCRETE  
CONCRITE PTY LTD  
BAINES CONCRETE  
RTA ILLAWARRA DISTRICT OFFICE  
BORAL COUNTRY - CONCRETE & QUARRIES  
ILLAWARRA BULK TERMINAL  
LOCOMOTIVE MAINTENANCE CENTRE  
ALLIED INDUSTRIAL SERVICES PTY LTD  
INTEGRAL ENERGY SPRINGHILL TRANSMISSION SUBSTATION  
DAPTO 330 kV SUBSTATION  
FIGTREE PRIVATE HOSPITAL  
THE WOLLONGONG HOSPITAL  
PORT KEMBLA HOSPITAL  
Bulli District Hospital  
WOLPER JEWISH HOSPITAL  
BORAL COUNTRY - CONCRETE & QUARRIES  
HANSON CONSTRUCTION MATERIALS PTY LTD  
WYONG CONCRETE PLANT  
BORAL COUNTRY - CONCRETE & QUARRIES  
HYMIX AUSTRALIA PTY LTD  
HANSON CONSTRUCTION MATERIALS PTY LTD  
PIONEER ROAD SERVICES PTY LTD  
HYMIX AUSTRALIA PTY LTD  
WYONG HOSPITAL  
HUNTER READY MIXED CONCRETE PTY LTD  
REDICRETE BERKELEY VALE PLANT  
BORAL COUNTRY - CONCRETE & QUARRIES  
CONCRITE PTY LIMITED  
YASS 330 kV SUBSTATION  
HANSON CONSTRUCTION MATERIALS PTY LTD

4-6 GLASTONBURY AVENUE  
8 JOHN CLEARY PLACE  
322 FIVE ISLAND ROAD  
15 YORK PLACE  
YORK ROAD  
PRT LOTS 1 & 19 FIVE ISLANDS ROAD  
TOM THUMB ROAD  
OLD PORT ROAD  
16 PRINCES HIGHWAY  
GLASTONBURY AVENUE  
Yallah Road  
1 SUTTON PLACE  
LOFTUS STREET  
COWPER STREET  
Princess Highway  
8 Trelawney Street  
8 HEREFORD STREET  
LOT 7 MARKLEA CLOSE  
18 PAVITT CRESCENT  
BUDGEWOI ROAD  
3 ARIZONA ROAD  
LOT 1 PACIFIC HIGHWAY  
2-4 DAVID STREET  
12 APPRENTICE DRIVE  
PACIFIC HIGHWAY  
8 BURNET ROAD  
3 CORELLA CLOSE  
KAVENYS ROAD  
WARROO ROAD  
Perry Street  
23 SPRING CREEK ROAD



Prem Suburb	Prem State	Prem Postcode	Fee-Based Activity	Low Scale	>	High Scale
LAVINGTON	NSW	2641	Concrete works	13000	>	25000
LAVINGTON	NSW	2641	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
WEST ALBURY	NSW	2640	Hazardous, Industrial or Group A Waste Generation or Storage	500	>	
ALBURY	NSW	2640	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
ALBURY	NSW	2640	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
ARMIDALE	NSW	2350	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
AUBURN	NSW	2144	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
SILVERWATER	NSW	2141	Concrete works	25000	>	50000
LIDCOMBE	NSW	2141	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
LIDCOMBE	NSW	2141	Hazardous, Industrial or Group A Waste Generation or Storage	500	>	
AUBURN	NSW	2144	Concrete works	50000	>	
AUBURN	NSW	2144	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
LIDCOMBE	NSW	2141	Concrete works	50000	>	
LIDCOMBE	NSW	2141	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
AUBURN	NSW	2144	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
AUBURN	NSW	2144	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
SILVERWATER	NSW	2128	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
AUBURN	NSW	2144	Concrete works	50000	>	
HOMEBUSH	NSW	2140	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
AUBURN	NSW	2144	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
AUBURN	NSW	2144	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
SILVERWATER	NSW	2128	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
WETHERILL PARK	NSW	2164	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
AUBURN	NSW	2144	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
SILVERWATER	NSW	2128	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
BALLINA	NSW	2478	Concrete works	13000	>	25000
ALSTONVILLE	NSW	2477	Bitumen mixing	30000	>	100000
BALLINA	NSW	2478	Concrete works	13000	>	25000
BALLINA	NSW	2478	Concrete works	13000	>	25000
BANKSTOWN	NSW	2200	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
PADSTOW	NSW	2211	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
MILPERRA	NSW	2214	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
CHULLORA	NSW	2190	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
CHULLORA	NSW	2190	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
CHULLORA	NSW	2190	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
YAGOONA	NSW	2199	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
REVESBY	NSW	2212	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
VILLAWOOD	NSW	2163	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
REVESBY	NSW	2212	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
REGENTS PARK	NSW	2143	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
BANKSTOWN	NSW	2200	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
BANKSTOWN	NSW	2200	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
BANKSTOWN	NSW	2200	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
CONDELL PARK	NSW	2200	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
REVESBY	NSW	2212	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
REGENTS PARK	NSW	2143	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
PICNIC POINT	NSW	2213	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
GREENACRE	NSW	2190	Hazardous, Industrial or Group A or Group B Waste Disposal	0		
CHULLORA	NSW	2190	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
MILPERRA	NSW	2214	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
VILLAWOOD	NSW	2163	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
BANKSTOWN	NSW	2200	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
PUNCHBOWL	NSW	2196	Hazardous, Industrial or Group A Waste Generation or Storage	100	>	500
SEFTON	NSW	2162	Metal coating	0		100000
BATHURST	NSW	2795	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
BATHURST	NSW	2795	Bitumen mixing	30000	>	100000
BATHURST	NSW	2795	Concrete works	13000	>	25000
BATHURST	NSW	2795	Concrete works	13000	>	25000
CASTLE HILL	NSW	2154	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
WEST PENNANT HILLS	NSW	2125	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
CASTLE HILL	NSW	2154	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
BAULKHAM HILLS	NSW	2153	Hazardous, Industrial or Group A Waste Generation or Storage	10	>	100
CASTLE HILL	NSW	2154	Hazardous, Industrial or Group A Waste Generation or Storage	0		10
PAMBULA	NSW	2549	Concrete works	13000	>	25000
BEGA	NSW	2550	Hazardous, Industrial or Group A Waste Generation or Storage	0		10

FAMBULA	NSW	2549 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
KINGS PARK	NSW	2148 Concrete works	50000 >	
SEVEN HILLS	NSW	2147 Concrete works	50000 >	
BLACKTOWN	NSW	2148 Concrete works	50000 >	
RIVERSTONE	NSW	2765 Concrete works	50000 >	
MINCHINBURY	NSW	2770 Concrete works	13000 >	25000
RIVERSTONE	NSW	2765 Concrete works	25000 >	50000
SEVEN HILLS	NSW	2147 Concrete works	25000 >	50000
SEVEN HILLS	NSW	2147 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BLACKTOWN	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
HUNTINGWOOD	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BLACKTOWN	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BLACKTOWN	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
KINGS PARK	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SEVEN HILLS	NSW	2147 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MOUNT DRUITT	NSW	2770 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
HUNTINGWOOD	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
GLENDENNING	NSW	2761 Concrete works	50000 >	
HUNTINGWOOD	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MOUNT DRUITT	NSW	2770 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SEVEN HILLS	NSW	2147 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
HUNTINGWOOD	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
HUNTINGWOOD	NSW	2148 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
KINGS PARK	NSW	2148 Concrete works	50000 >	
BLAYNEY	NSW	2799 Concrete works	0	13000
SPRINGWOOD	NSW	2777 Concrete works	13000 >	25000
LAWSON	NSW	2783 Concrete works	13000 >	25000
KATOOMBА	NSW	2780 Concrete works	13000 >	25000
KATOOMBА	NSW	2780 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BOTANY	NSW	2019 Concrete works	50000 >	
BOTANY	NSW	2019 Concrete works	13000 >	25000
BOTANY	NSW	2019 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
EASTGARDENS	NSW	2036 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
BOTANY	NSW	2019 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MASCOT	NSW	1460 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
MASCOT	NSW	2020 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BOTANY	NSW	2019 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MASCOT	NSW	2020 Concrete works	50000 >	
MASCOT	NSW	2020 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
BOTANY	NSW	2019 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MASCOT	NSW	2020 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
BANKSMEADOW	NSW	2019 Concrete works	50000 >	
BROKEN HILL	NSW	2880 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
STRATHFIELD	NSW	2135 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BURWOOD	NSW	2134 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
BYRON BAY	NSW	2481 Concrete works	13000 >	25000
BILLINUDGEL	NSW	2483 Concrete works	13000 >	25000
BYRON BAY	NSW	2481 Concrete works	13000 >	25000
BILLINUDGEL	NSW	2483 Concrete works	13000 >	25000
NARELLAN	NSW	2567 Concrete works	50000 >	
NARELLAN	NSW	2567 Concrete works	25000 >	50000
SMEATON GRANGE	NSW	2567 Concrete works	50000 >	
MINTO	NSW	2566 Concrete works	25000 >	50000
CAMPBELLTOWN	NSW	2560 Concrete works	25000 >	50000
INGLEBURN	NSW	2565 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MINTO	NSW	2566 Bitumen mixing	100000 >	
INGLEBURN	NSW	2565 Concrete works	13000 >	25000
CAMPBELLTOWN	NSW	2560 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
CAMPBELLTOWN	NSW	2560 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MINTO	NSW	2566 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
RHODES	NSW	2138 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CONCORD	NSW	2137 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
CONCORD WEST	NSW	2138 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CONCORD WEST	NSW	2138 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
CAMPSIE	NSW	2194 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
KINGSGROVE	NSW	2208 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
CAMPSIE	NSW	2194 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
KINGSGROVE	NSW	2208 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500

LAKEMBA	NSW	2195 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CESSNOCK	NSW	2325 Concrete works	13000 >	25000
WESTON	NSW	2326 Concrete works	13000 >	25000
CESSNOCK	NSW	2325 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
KURRI KURRI	NSW	2327 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
LITHGOW	NSW	2790 Concrete works	13000 >	25000
LITHGOW	NSW	2790 Concrete works	0	13000
LITHGOW	NSW	2790 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
SOUTH GRAFTON	NSW	2460 Concrete works	13000 >	25000
GRAFTON	NSW	2460 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
TOORMINA	NSW	2452 Concrete works	13000 >	25000
COFFS HARBOUR	NSW	2450 Concrete works	13000 >	25000
WOOLGOOLGA	NSW	2456 Concrete works	13000 >	25000
COFFS HARBOUR	NSW	2450 Bitumen mixing	30000 >	100000
COFFS HARBOUR	NSW	2450 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
COFFS HARBOUR	NSW	2450 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
TOORMINA	NSW	2452 Concrete works	13000 >	25000
COFFS HARBOUR	NSW	2450 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
COFFS HARBOUR	NSW	2450 Concrete works	13000 >	25000
COOMA	NSW	2630 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
COROWA	NSW	2646 Concrete works	13000 >	25000
COWRA	NSW	2794 Concrete works	0	13000
DENILIKUIN	NSW	2710 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
DUBBO	NSW	2830 Concrete works	13000 >	25000
DUBBO	NSW	2830 Concrete works	13000 >	25000
BROCKLEHURST	NSW	2830 Bitumen mixing	0	30000
DUBBO EAST	NSW	2830 Concrete works	13000 >	25000
DUBBO	NSW	2830 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
DUBBO	NSW	2830 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BATEMANS BAY	NSW	2536 Concrete works	13000 >	25000
MORUYA	NSW	2537 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BATEMANS BAY	NSW	2536 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BATEMANS BAY	NSW	2536 Concrete works	13000 >	25000
WETHERILL PARK	NSW	2164 Concrete works	25000 >	50000
WETHERILL PARK	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WETHERILL PARK	NSW	2164 Concrete works	25000 >	50000
WETHERILL PARK	NSW	2164 Bitumen mixing	100000 >	
WETHERILL PARK	NSW	2164 Concrete works	50000 >	
WETHERILL PARK	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WETHERILL PARK	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WETHERILL PARK	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WETHERILL PARK	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
YENNORA	NSW	2161 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
YENNORA	NSW	2161 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WETHERILL PARK	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SMITHFIELD	NSW	2164 Concrete works	13000 >	25000
GLEN INNES	NSW	2370 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
GOSFORD	NSW	2250 Bitumen mixing	30000 >	100000
KINCUMBER	NSW	2251 Concrete works	13000 >	25000
GOSFORD WEST	NSW	2250 Concrete works	25000 >	50000
GOSFORD WEST	NSW	2250 Concrete works	25000 >	50000
NORTH GOSFORD	NSW	2250 Concrete works	25000 >	50000
KINCUMBER	NSW	2251 Concrete works	25000 >	50000
WEST GOSFORD	NSW	2250 Concrete works	0	13000
GOSFORD	NSW	2250 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
GOSFORD	NSW	2250 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WOY WOY	NSW	2256 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
KINCUMBER	NSW	2251 Concrete works	25000 >	50000
GOULBURN	NSW	2580 Concrete works	13000 >	25000
GOULBURN	NSW	2580 Concrete works	13000 >	25000
GOULBURN	NSW	2580 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
TUNCURRY	NSW	2428 Concrete works	13000 >	25000
FORSTER	NSW	2428 Concrete works	13000 >	25000
FORSTER	NSW	2428 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
CAMPERDOWN	NSW	2050 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
MASCOT	NSW	2020 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100

WATERLOO	NSW	2017 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ALEXANDRIA	NSW	2015 Concrete works	50000 >	
ALEXANDRIA	NSW	2015 Concrete works	50000 >	
ALEXANDRIA	NSW	2015 Concrete works	13000 >	25000
PYRMONT	NSW	2009 Concrete works	50000 >	
ALEXANDRIA	NSW	2015 Bitumen mixing	30000 >	100000
ALEXANDRIA	NSW	2015 Concrete works	50000 >	
GLEBE	NSW	2037 Concrete works	50000 >	
ST PETERS	NSW	2044 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ALEXANDRIA	NSW	2015 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
ALEXANDRIA	NSW	2015 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SYDNEY	NSW	2000 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
POTTS POINT	NSW	2011 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ROSEBERRY	NSW	2018 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WATERLOO	NSW	2017 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
SYDNEY	NSW	2000 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
SYDNEY	NSW	2000 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
DARLINGHURST	NSW	2010 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
SYDNEY	NSW	2000 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
DARLINGHURST	NSW	2010 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
ZETLAND	NSW	2017 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
DARLINGTON	NSW	2008 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
GLEBE	NSW	2037 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
ZETLAND	NSW	2017 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SYDNEY UNIVERSITY	NSW	2006 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MOORE PARK	NSW	1363 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SURRY HILLS	NSW	2010 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
EVELEIGH	NSW	2015 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
JINDERA	NSW	2642 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
QUEANBEYAN	NSW	2620 Concrete works	25000 >	50000
QUEANBEYAN	NSW	2620 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
TAREE	NSW	2430 Concrete works	13000 >	25000
TAREE	NSW	2430 Concrete works	13000 >	25000
TAREE	NSW	2430 Bitumen mixing	30000 >	100000
TAREE	NSW	2430 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
TAREE	NSW	2430 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
GRIFFITH	NSW	2680 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
COOLAC	NSW	2727 Concrete works	50000 >	
GUNNEDAH	NSW	2380 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
TINGHA	NSW	2369 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WARIALDA	NSW	2402 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SOUTH WINDSOR	NSW	2756 Concrete works	25000 >	50000
WINDSOR	NSW	2756 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MULGRAVE	NSW	2756 Concrete works	25000 >	50000
WINDSOR	NSW	2756 Concrete works	25000 >	50000
NORTH RICHMOND	NSW	2754 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
SMITHFIELD	NSW	2164 Concrete works	50000 >	
GRANVILLE	NSW	2142 Concrete works	50000 >	
GIRRAWEE	NSW	2145 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
SMITHFIELD	NSW	2164 Concrete works	25000 >	50000
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
VILLAWOOD	NSW	2163 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SMITHFIELD	NSW	2164 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
GUILDFORD	NSW	2161 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
YENNORA	NSW	2161 Waste storage - Hazardous, restricted solid, liquid, clinical & related waste & Asbestos waste	0	
THORNLEIGH	NSW	2120 Concrete works	50000 >	
THORNLEIGH	NSW	2120 Concrete works	50000 >	
THORNLEIGH	NSW	2120 Concrete works	50000 >	
HORNSBY	NSW	2077 Concrete works	13000 >	25000
HORNSBY	NSW	2077 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WAITARA	NSW	2077 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ASQUITH	NSW	2077 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
DURAL	NSW	2158 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
HORNSBY	NSW	2077 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500

HORNSBY	NSW	2077 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
HUNTERS HILL	NSW	2110 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
HURSTVILLE	NSW	2220 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
OATLEY	NSW	2223 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
INVERELL	NSW	2360 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BOMBO	NSW	2533 Concrete works	25000 >	50000
MINNAMURRA	NSW	2533 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
HURSTVILLE	NSW	2220 Concrete works	50000 >	
KOGARAH	NSW	2217 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
HURSTVILLE	NSW	2220 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
KOGARAH	NSW	2217 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
CARLTON	NSW	2218 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
KOGARAH	NSW	2217 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MORTDALE	NSW	2223 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
KILLARA	NSW	2071 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WAHROONGA	NSW	2076 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
NORTH TURRAMURRA	NSW	2074 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MORISSET	NSW	2264 Concrete works	13000 >	25000
REDHEAD	NSW	2290 Concrete works	25000 >	50000
BOOLAROO	NSW	2284 Concrete works	0	13000
BENNETTS GREEN	NSW	2290 Concrete works	13000 >	25000
TORONTO	NSW	2283 Concrete works	25000 >	50000
GATESHEAD	NSW	2290 Concrete works	25000 >	50000
GATESHEAD	NSW	2290 Concrete works	13000 >	25000
TERALBA	NSW	2284 Concrete works	13000 >	25000
RATHMINES	NSW	2283 Concrete works	0	13000
TORONTO	NSW	2283 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MORISSET	NSW	2264 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BELMONT	NSW	2280 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
KILLINGWORTH	NSW	2301 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WARNERS BAY	NSW	2282 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CAMERON PARK	NSW	2285 Concrete works	25000 >	50000
LANE COVE	NSW	2066 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
LANE COVE	NSW	2066 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
LANE COVE	NSW	2066 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
LANE COVE	NSW	2066 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
LEICHHARDT	NSW	2040 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
LEICHHARDT	NSW	2040 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
LEICHHARDT	NSW	2040 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BALMAIN	NSW	2041 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
NORTH LISMORE	NSW	2480 Concrete works	13000 >	25000
LISMORE	NSW	2480 Concrete works	0	13000
LISMORE	NSW	2480 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MOOREBANK	NSW	2170 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MOOREBANK	NSW	2170 Concrete works	25000 >	50000
MOOREBANK	NSW	2170 Concrete works	50000 >	
MOOREBANK	NSW	2170 Concrete works	50000 >	
PRESTONS	NSW	2170 Concrete works	50000 >	
KEMPS CREEK	NSW	2171 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MOOREBANK	NSW	2170 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CHIPPING NORTON	NSW	2170 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PRESTONS	NSW	2170 Concrete works	50000 >	
PRESTONS	NSW	2170 Bitumen mixing	100000 >	
HOXTON PARK	NSW	2171 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
HOXTON PARK	NSW	2171 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
LIVERPOOL	NSW	2170 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MOOREBANK	NSW	2170 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PRESTONS	NSW	2170 Concrete works	50000 >	
LIVERPOOL	NSW	2170 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WERRIS CREEK	NSW	2341 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WERRIS CREEK	NSW	2341 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
RUTHERFORD	NSW	2320 Concrete works	13000 >	25000
RUTHERFORD	NSW	2320 Concrete works	13000 >	25000
RUTHERFORD	NSW	2320 Bitumen mixing	30000 >	100000
EAST MAITLAND	NSW	2323 Concrete works	13000 >	25000
THORNTON	NSW	2322 Concrete works	25000 >	50000
RUTHERFORD	NSW	2320 Concrete works	13000 >	25000
MAITLAND	NSW	2320 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100

RUTHERFORD	NSW	2320 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MANLY	NSW	2095 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MANLY	NSW	2095 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ST PETERS	NSW	2044 Concrete works	50000 >	
SYDENHAM	NSW	2044 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MARRICKVILLE	NSW	2204 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MARRICKVILLE	NSW	2204 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MARRICKVILLE	NSW	2204 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MOREE	NSW	2400 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MOSMAN	NSW	2088 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MOAMA	NSW	2731 Concrete works	13000 >	25000
MUSWELLBROOK	NSW	2333 Concrete works	0	13000
DENMAN	NSW	2328 Concrete works	0	13000
MUSWELLBROOK	NSW	2333 Concrete works	13000 >	25000
MUSWELLBROOK	NSW	2333 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
MUSWELLBROOK	NSW	2333 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NARRABRI	NSW	2390 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WEE WAA	NSW	2388 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CARRINGTON	NSW	2294 Bitumen mixing	30000 >	100000
WALLSEND	NSW	2287 Concrete works	13000 >	25000
MAYFIELD	NSW	2304 Concrete works	25000 >	50000
JESMOND	NSW	2299 Concrete works	25000 >	50000
TIGHES HILL	NSW	2297 Concrete works	25000 >	50000
WALLSEND	NSW	2287 Concrete works	13000 >	25000
ADAMSTOWN	NSW	2289 Concrete works	13000 >	25000
BLACK HILL	NSW	2322 Bitumen mixing	30000 >	100000
TIGHES HILL	NSW	2297 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SHORTLAND	NSW	2307 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BROADMEADOW	NSW	2292 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
NEW LAMBTON HEIGHTS	NSW	2305 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
NEWCASTLE	NSW	2300 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BROADMEADOW	NSW	2292 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NEW LAMBTON HEIGHTS	NSW	2305 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WARATAH	NSW	2298 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NEWCASTLE	NSW	2300 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MEREWETHER	NSW	2291 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SHORTLAND	NSW	2307 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
ADAMSTOWN	NSW	2289 Concrete works	13000 >	25000
BERESFIELD	NSW	2322 Concrete works	25000 >	50000
NEUTRAL BAY	NSW	2089 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NORTH SYDNEY	NSW	2060 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
DAWES POINT	NSW	2000 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
ST LEONARDS	NSW	2065 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
OBERON	NSW	2787 Concrete works	13000 >	25000
ORANGE	NSW	2800 Concrete works	13000 >	25000
ORANGE	NSW	2800 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
ORANGE	NSW	2800 Bitumen mixing	0	30000
ORANGE	NSW	2800 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ORANGE	NSW	2800 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ORANGE	NSW	2800 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
ORANGE	NSW	2800 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
ORANGE	NSW	2800 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PARKES	NSW	2870 Concrete works	0	13000
PARKES	NSW	2870 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
GRANVILLE	NSW	2142 Bitumen mixing	100000 >	
PENDLE HILL	NSW	2145 Concrete works	50000 >	
PENDLE HILL	NSW	2145 Concrete works	50000 >	
NORTHMEAD	NSW	2152 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
CAMELLIA	NSW	2142 Concrete works	50000 >	
RYDALMERE	NSW	2116 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WESTMEAD	NSW	2145 Hazardous, Industrial or Group A Waste Generation or Storage	500 >	
PARRAMATTA	NSW	2150 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WESTMEAD	NSW	2145 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
GUILDFORD	NSW	2161 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
GRANVILLE	NSW	2142 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
RYDALMERE	NSW	2116 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PENRITH	NSW	2750 Concrete works	25000 >	50000
ST MARYS	NSW	2760 Concrete works	25000 >	50000

ST MARYS	NSW	2760 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ST MARYS	NSW	2760 Concrete works	13000 >	25000
EMU PLAINS	NSW	2750 Concrete works	25000 >	50000
KINGSWOOD	NSW	2750 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PENRITH	NSW	2750 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
KINGSWOOD	NSW	2747 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PENRITH	NSW	2750 Concrete works	50000 >	
MONA VALE	NSW	2103 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MONA VALE	NSW	2103 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PORT MACQUARIE	NSW	2444 Concrete works	13000 >	25000
WAUCHOPE	NSW	2446 Bitumen mixing	0	30000
LAURIETON	NSW	2443 Concrete works	13000 >	25000
PORT MACQUARIE	NSW	2444 Concrete works	25000 >	50000
PORT MACQUARIE	NSW	2444 Concrete works	13000 >	25000
PORT MACQUARIE	NSW	2444 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PORT MACQUARIE	NSW	2444 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PORT MACQUARIE	NSW	2444 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
HEATHERBRAE	NSW	2324 Concrete works	13000 >	25000
RAYMOND TERRACE	NSW	2324 Concrete works	13000 >	25000
SALAMANDER BAY	NSW	2317 Concrete works	13000 >	25000
SALAMANDER BAY	NSW	2317 Concrete works	13000 >	25000
RAYMOND TERRACE	NSW	2324 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
HEATHERBRAE	NSW	2324 Concrete works	13000 >	25000
SALAMANDER BAY	NSW	2317 Concrete works	13000 >	25000
RANDWICK	NSW	2031 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MATRAVILLE	NSW	2036 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
RANDWICK	NSW	2031 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
RANDWICK	NSW	2031 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PORT BOTANY	NSW	2036 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
PORT BOTANY	NSW	2036 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CASINO	NSW	2470 Concrete works	13000 >	25000
ROCKDALE	NSW	2216 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
TURRELLA	NSW	2205 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ROCKDALE	NSW	2216 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
ARNCLIFFE	NSW	2205 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
RYDE	NSW	2112 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NORTH RYDE	NSW	2113 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
RYDE	NSW	2112 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NORTH RYDE	NSW	2113 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
EASTWOOD	NSW	2122 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NORTH RYDE	NSW	2113 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
WEST RYDE	NSW	2114 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
NORTH RYDE	NSW	2113 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
MACQUARIE PARK	NSW	2113 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ALBION PARK RAIL	NSW	2527 Bitumen mixing	30000 >	100000
SHELLHARBOUR	NSW	2529 Concrete works	13000 >	25000
WARILLA	NSW	2528 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BOMADERRY	NSW	2541 Concrete works	13000 >	25000
NOWRA	NSW	2541 Concrete works	13000 >	25000
NOWRA	NSW	2541 Concrete works	13000 >	25000
NOWRA	NSW	2541 Concrete works	13000 >	25000
ULLADULLA	NSW	2539 Concrete works	13000 >	25000
NOWRA	NSW	2541 Bitumen mixing	0	30000
CULBURRA BEACH	NSW	2540 Concrete works	13000 >	25000
NOWRA	NSW	2541 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SINGLETON	NSW	2330 Concrete works	13000 >	25000
SINGLETON	NSW	2330 Concrete works	0	13000
SINGLETON	NSW	2330 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
SINGLETON	NSW	2330 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
STRATHFIELD SOUTH	NSW	2136 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
CHULLORA	NSW	2190 Concrete works	50000 >	
STRATHFIELD SOUTH	NSW	2136 Concrete works	50000 >	
HOMEBUSH	NSW	2140 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
STRATHFIELD SOUTH	NSW	2136 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
GREENACRE	NSW	2190 Bitumen mixing	100000 >	
ENFIELD	NSW	2136 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
LIDCOMBE	NSW	2141 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
KIRRAWEE	NSW	2232 Concrete works	50000 >	



CARINGBAH	NSW	2229 Concrete works	50000 >	
LUCAS HEIGHTS	NSW	2234 Concrete works	25000 >	50000
TAREN POINT	NSW	2229 Concrete works	25000 >	50000
CARINGBAH	NSW	2229 Concrete works	50000 >	
KIRRAWEE	NSW	2232 Concrete works	13000 >	25000
KIRRAWEE	NSW	2232 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
CARINGBAH	NSW	2229 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CARINGBAH	NSW	2229 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
KURNELL	NSW	2231 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
SYLVANIA	NSW	2224 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
TAMWORTH	NSW	2340 Concrete works	13000 >	25000
TAMWORTH	NSW	2340 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
TAMWORTH	NSW	2340 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
TAMWORTH	NSW	2340 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
TAMWORTH	NSW	2340 Concrete works	25000 >	50000
TEMORA	NSW	2666 Concrete works	0	13000
TENTERFIELD	NSW	2372 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
TUMBARUMBA	NSW	2653 Concrete works	0	13000
KHANCOBAN	NSW	2642 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
TALBINGO	NSW	2720 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
MURWILLUMBAH	NSW	2484 Concrete works	13000 >	25000
TWEED HEADS	NSW	2485 Concrete works	50000 >	
TWEED HEADS SOUTH	NSW	2486 Concrete works	50000 >	
CHINDERAH	NSW	2487 Concrete works	25000 >	50000
CHINDERAH	NSW	2487 Concrete works	13000 >	25000
TWEED HEADS	NSW	2485 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
CHINDERAH	NSW	2487 Concrete works	25000 >	50000
WAGGA WAGGA	NSW	2650 Concrete works	13000 >	25000
WAGGA WAGGA	NSW	2650 Bitumen mixing	0	30000
WAGGA WAGGA	NSW	2650 Concrete works	13000 >	25000
WAGGA WAGGA	NSW	2650 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WAGGA WAGGA	NSW	2650 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WAGGA WAGGA	NSW	2650 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
GREGADOO	NSW	2650 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
WAGGA WAGGA	NSW	2651 Bitumen mixing	30000 >	100000
DEE WHY	NSW	2099 Concrete works	25000 >	50000
BROOKVALE	NSW	2100 Concrete works	50000 >	
BROOKVALE	NSW	2100 Concrete works	50000 >	
BROOKVALE	NSW	2100 Concrete works	25000 >	50000
BROOKVALE	NSW	2100 Concrete works	25000 >	50000
BROOKVALE	NSW	2100 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BROOKVALE	NSW	2100 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BROOKVALE	NSW	2100 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
FRENCHS FOREST	NSW	2086 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
DEE WHY	NSW	2099 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WAVERLEY	NSW	2024 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BONDI JUNCTION	NSW	2022 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
WELLINGTON	NSW	2820 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BURONGA	NSW	2739 Concrete works	0	13000
ARTARMON	NSW	2064 Concrete works	50000 >	
ARTARMON	NSW	2064 Concrete works	50000 >	
ARTARMON	NSW	2064 Concrete works	50000 >	
CASTLECRAG	NSW	2068 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
ST LEONARDS	NSW	2065 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
WILLOUGHBY	NSW	2068 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
CHATSWOOD	NSW	2067 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
ARTARMON	NSW	2064 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BOWRAL	NSW	2576 Concrete works	13000 >	25000
MOSS VALE	NSW	2577 Concrete works	13000 >	25000
MITTAGONG	NSW	2575 Concrete works	13000 >	25000
BOWRAL	NSW	2576 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
PICTON	NSW	2571 Concrete works	13000 >	25000
APPIN	NSW	2560 Concrete works	0	13000
PICTON	NSW	2571 Concrete works	13000 >	25000
MENANGLE	NSW	2568 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WOLLONGONG NORTH	NSW	2500 Concrete works	13000 >	25000
DAPTO	NSW	2530 Concrete works	13000 >	25000
PORT KEMBLA	NSW	2505 Bitumen mixing	100000 >	



UNANDERRA	NSW	2526 Concrete works	50000 >	
CONISTON	NSW	2500 Concrete works	25000 >	50000
UNANDERRA	NSW	2526 Concrete works	13000 >	25000
WOONONA	NSW	2517 Concrete works	13000 >	25000
BELLAMBI	NSW	2518 Bitumen mixing	0	30000
PORT KEMBLA	NSW	2505 Concrete works	25000 >	50000
PORT KEMBLA	NSW	2505 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
PORT KEMBLA	NSW	2505 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
FAIRY MEADOW	NSW	2519 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
UNANDERRA	NSW	2526 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
YALLAH	NSW	2530 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
FIGTREE	NSW	2525 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WOLLONGONG	NSW	2500 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
WARRAWONG	NSW	2502 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
BULLI	NSW	2516 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
WOOLLAHRA	NSW	2025 Hazardous, Industrial or Group A Waste Generation or Storage	0	10
BERKELEY VALE	NSW	2261 Concrete works	25000 >	50000
WYONG	NSW	2259 Concrete works	13000 >	25000
WYONG	NSW	2259 Concrete works	25000 >	50000
DOYALSON	NSW	2262 Concrete works	25000 >	50000
CHARMHAVEN	NSW	2263 Concrete works	25000 >	50000
DOYALSON	NSW	2262 Concrete works	13000 >	25000
DOYALSON	NSW	2262 Bitumen mixing	30000 >	100000
BERKELEY VALE	NSW	2261 Concrete works	25000 >	50000
HAMLYN TERRACE	NSW	2259 Hazardous, Industrial or Group A Waste Generation or Storage	10 >	100
WARNERVALE	NSW	2259 Concrete works	25000 >	50000
BERKELEY VALE	NSW	2261 Concrete works	13000 >	25000
YASS	NSW	2618 Concrete works	13000 >	25000
YASS	NSW	2582 Concrete works	13000 >	25000
YASS	NSW	2582 Hazardous, Industrial or Group A Waste Generation or Storage	100 >	500
YOUNG	NSW	2594 Concrete works	13000 >	25000

## Naturally Occurring Asbestos in NSW

- MED
- OCC
- SML

### BROKEN HILL - GEOLOGICAL UNITS WITH ASBESTOS POTENTIAL

Retrograde Ultrabasic Dykes with MEDIUM asbestos potential



Dykes with HIGH asbestos potential



Geological Units with HIGH asbestos potential



### STATEWIDE - GEOLOGICAL UNITS WITH ASBESTOS POTENTIAL

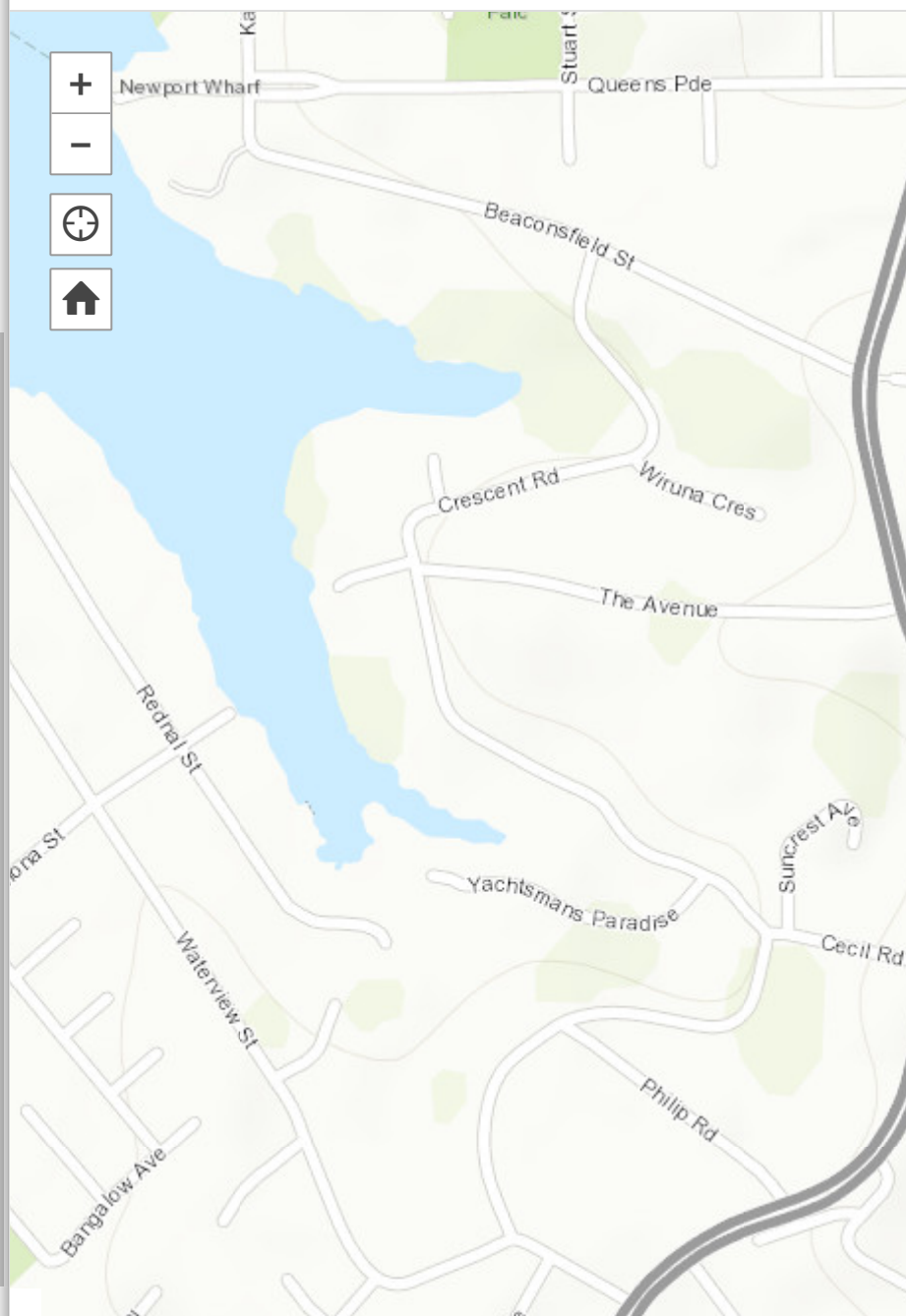
Geological Units with HIGH asbestos potential



Geological Units with MEDIUM asbestos potential



Geological Units with LOW asbestos potential





[Home \(/\)](#) > [Your environment\(/your-environment\)](#)  
> [Contaminated land\(/your-environment/contaminated-land\)](#)  
> **PFAS investigation program**

# The NSW Government PFAS Investigation Program

View a map of the sites in NSW that may be contaminated with PFAS, learn how to reduce your exposure to these dangerous chemicals, and read about our investigation of the issue.

The EPA is leading an investigation program to assess the legacy of PFAS use across NSW. With the assistance of the NSW PFAS Technical Advisory Group, which includes NSW Health, Department of Primary Industries and the Office of Environment and Heritage, we provide impacted residents with tailored, precautionary dietary advice to help them reduce any exposure to PFAS.

Current investigations are focused on sites where it is likely that large quantities of PFAS have been used. The EPA is currently investigating PFAS at these sites:

[Map view](#)

[List view](#)

List view









**Clear filters**




☐ Only show sites within current map view




Showing 49 of 49 sites




	Organisation	Address	Status
	<input type="text" value="**filter by organisation**"/>	<input type="text" value="**filter by address*"/>	<input checked="" type="checkbox"/> PFAS investigation site

	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Albion Park Fire and Rescue NSW <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/albion-park-fire-and-rescue-nsw)	Airport Road, Albion Park, 2527	PFAS investigation site
	Alexandria Fire and Rescue NSW <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/alexandria-fire-and-rescue-nsw)	189 Wyndham Street Alexandria	PFAS investigation site
	Argenton Mines Rescue Services <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/argenton-mines-rescue-services)	533 Lake Road, Argenton NSW 2284	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Armidale Fire and Rescue NSW <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/armidale-fire-and-rescue-nsw)	10 Mann Street, Armidale, 2350	PFAS investigation site
	Bankstown Airport <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/bankstown-airport)	3 Avro St, Bankstown NSW 2200	PFAS investigation site
	Bathurst airport <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/bathurst-airport)	P J Moodie Memorial Dr, Raglan NSW 2795	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Botany Bay area <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/botany-bay-area)		PFAS investigation site
	Botany Industrial Park <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/botany-industrial-park)	Dent Street, Botany, 2019	PFAS investigation site
	Butler Street Reserve, Byron Bay <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/byron-bay-butler-street-reserve)	Butler Street, Byron Bay, NSW 2481	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Camden Airport <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/camden-airport)	Aerodrome Rd, Cobbitty NSW 2570	PFAS investigation site
	Currambene Creek <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/currambene-creek)		PFAS investigation site
	Deniliquin Fire and Rescue NSW <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/deniliquin-fire-and-rescue-nsw)		PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Dubbo groundwater investigation <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/dubbo-groundwater-investigation)		PFAS investigation site
	Fuchs <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/fuchs-wickham)	2 Holland St, Wickham NSW 2293	PFAS investigation site
	Gold Coast airport <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/gold-coast)	Eastern Avenue, Coolangatta, QLD 4225	PFAS investigation site









	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Greenacre Fire and Rescue <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/greenacre-fire-and-rescue-nsw)	1 and 1A Amarina Avenue, Greenacre	PFAS investigation site
	Hawkesbury River <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/hawkesbury-river)		PFAS investigation site
	Heatherbrae: Total Fire Solutions <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/heatherbrae-total-fire-solutions)	15 Giggins Rd, Heatherbrae NSW 2324	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	HMAS Albatross <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/hmas-albatross)	Nowra Hill, 2540	PFAS investigation site
	Holsworthy Barracks <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/holsworthy-barracks)	Macarthur Drive, Holsworthy, 2173	PFAS investigation site
	Jervis Bay range facility <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/jervis-bay-range-facility)	Jervis Bay Territory, 2540	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Kapooka, Blamey Barracks <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/kapooka-blamey-barracks)	Kapooka Dr, Kapooka NSW 2661	PFAS investigation site
	Kemps Creek NSW Rural Fire Service <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/kemps-creek-rfs-training-site)	245 Devonshire Rd, Kemps Creek NSW 2178	PFAS investigation site
	Kurnell: Caltex <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/kurnell-caltex)	2 Solander St, Kurnell, 2231	PFAS investigation site

	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Lake Macquarie <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/lake-macquarie)		PFAS investigation site
	Lake Toolooma <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/lake-toolooma-heathcote-national-park)	Heathcote National Park	PFAS investigation site
	Lithgow: Mines Rescue <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/mines-rescue-lithgow)	3 Proto Ave, Lithgow NSW 2790	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	<p>Londonderry TestSafe &amp; Fire and Rescue NSW</p> <p><a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/londonderry-testsafe-and-fire-and-rescue-nsw)</p>	667 The Northern Road, Londonderry, 2753	PFAS investigation site
	<p>Lord Howe Island</p> <p><a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/lord-howe-island)</p>		PFAS investigation site
	<p>Mulwala - Thales</p> <p><a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/thales)</p>	Bayly St, Mulwala NSW 2647	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Munmorah and Colongra Power Stations <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/munmorah-and-colongra-power-stations)	Station Road, Colongra NSW 2262	PFAS investigation site
	Orange airport <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/orange-airport)	136 Aerodrome Road, Orange NSW 2800	PFAS investigation site
	Quirindi Airport <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/quirindi-airport)	Quirindi NSW 2343	PFAS investigation site




	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Richmond RAAF Base <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/richmond-raaf-base)	Middleton Avenue, Richmond, 2753	PFAS investigation site
	Rutherford, Truegain <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/truegain)	62 Kyle St, Rutherford NSW 2320	PFAS investigation site
	Salt Ash weapons range <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/salt-ash-weapons-range)	Salt Ash NSW	PFAS investigation site


	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Shoalhaven River <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/shoalhaven-river)		PFAS investigation site
	Singleton Heights: Mines Rescue Services <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/singleton-heights-mines-rescue-services)	6 Lachland Avenue, Singleton Heights NSW 2330	PFAS investigation site
	Singleton military area <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/singleton-military-area)		PFAS investigation site



	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Singleton NSW Rural Fire Service <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/singleton-rfs)		PFAS investigation site
	South Nowra NSW Rural Fire Service <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/nowra)	92 Albatross Road, South Nowra	PFAS investigation site
	Springwood, St Columba's Catholic College <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/springwood-st-columba-catholic-college)	168 Hawkesbury Rd, Springwood, 2777	PFAS investigation site

	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Swanson Industries <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/swanson-industries)	2 Georgetown Road, Broadmeadow, 2292	PFAS investigation site
	Tamworth Regional Airport <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/tamworth-regional-airport)	Shand Cir, Tamworth, 2340	PFAS investigation site
	Tarro, Our Lady of Lourdes Primary School <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/tarro-our-lady-of-lourdes-primary-school)	Anderson Drive Tarro, NSW 2322	PFAS investigation site

	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Wagga Wagga RAAF Base <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/wagga-wagga-raaf-base)	Sturt Highway, Wagga Wagga, 2650	PFAS investigation site
	Wellington Fire and Rescue NSW <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/wellington-fire-and-rescue-nsw)	67 Falls Road, Wellington, 2820	PFAS investigation site
	Westleigh NSW Rural Fire Service <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/westleigh)	12 Warrigal Drive, Westleigh	PFAS investigation site

	Organisation	Address	Status
	<b>**filter by organisation**</b>	<b>**filter by address*</b>	<input checked="" type="checkbox"/> <b>PFAS investigation site</b>
	Williamtown RAAF Base <a href="#">more information</a> (/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-sites/raaf-base-williamtown)	49 Medowie Road, Williamtown, 2314	PFAS investigation site

## Sampling and analysis

The EPA is collecting samples of soils and/or waters for analysis for PFAS. The EPA is also looking for exposure pathways that may increase people's contact with the chemicals, such as bore and surface water usage.

If significant levels are detected and human or ecological exposure is likely, a more detailed assessment will be undertaken.

The EPA will work with the occupiers and owners of these sites, or the responsible parties, to clean-up the site, where necessary.

## Timeframes for the investigation

The initial investigations can take approximately six months, with further testing undertaken where required.

Test findings are made available throughout the investigations.

More information is available on the NSW EPA [PFAS investigation process \(/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-process\)](#) page.

## Release of the National Environmental Management Plan for PFAS version 2

### [The PFAS National Environmental Management Plan version 2](https://www.environment.gov.au/protection/chemicals-management/pfas)

(<https://www.environment.gov.au/protection/chemicals-management/pfas>) has now been released by the Commonwealth Department of Agriculture Water and Environment. This is the current version of the PFAS NEMP. It was agreed by Heads of EPAs in October 2019. It has been endorsed by Environment Ministers and has been endorsed for implementation in NSW.

In those jurisdictions that have endorsed it, this version supersedes the first version of the NEMP published in 2018.

The PFAS NEMP establishes a practical basis for nationally consistent environmental guidance and standards for managing PFAS contamination. The plan has been developed by all jurisdictions and recognises the need for implementation of best practice regulation through individual jurisdictional mechanisms. It represents a how-to guide for the investigation and management of PFAS contamination and waste management.

The PFAS NEMP 2.0 provides new and revised guidance on four of the areas that were identified as urgent priorities in the first version of the NEMP

- Environmental guideline values

- Soil reuse

- Wastewater management

- On-site containment

This new guidance, as well as important clarifications regarding the intent of some of the PFAS NEMP 1.0 material, was developed by the National Chemicals Working Group across 2018 and considered by Heads of EPAs and Environment Ministers in late 2018.

## Consultation on version 2 of NEMP

The Heads of EPAs Australia and New Zealand (HEPA) and the Australian Government Department of Agriculture, Water and the Environment (DAWE) worked together to develop the PFAS NEMP 2.0. HEPA's National Chemicals Working Group led the development and consultation process.

The draft PFAS NEMP 2.0 was published on 28 February 2019 with comments due by Friday 21 June 2019. Environmental regulators in all states and territories hosted public consultation sessions in all capital cities across March and April 2019, with the Commonwealth presenting the work on behalf of the National Chemicals Working Group. Around 550 people attended the sessions.

All feedback received was considered by the National Chemicals Working Group and further changes were made in response to that feedback before the document was finalised in late 2019. An ancillary document summarising the feedback and the responses made is expected to be published soon by the Commonwealth Department of Agriculture Water and Environment.

## Working with our stakeholders

The NSW Government is committed to working closely with all relevant government agencies, to closely monitor the progress of investigations, and to keep local communities informed. Government agencies include local councils, NSW Department of Primary Industries, NSW Health, NSW Food Authority, and where necessary the Commonwealth Department of Defence, and Commonwealth Department of Health.

In NSW the polluter pays for and manages any clean-up required. Although the NSW Government cannot regulate Defence sites, it has outlined expectations that Defence will carry out investigations in a timely manner that is consistent with the EPA's requirements and processes.

## More information

[PFAS investigation program fact sheet \(PDF 213KB\) \(-/media/epa/corporate-site/resources/community/factsheet-state-wide-pfas-investigation.pdf?la=en&hash=004EE1C28CEC9F16730FBFF322305DA0DDF1A3ED\)](https://www.epa.nsw.gov.au/-/media/epa/corporate-site/resources/community/factsheet-state-wide-pfas-investigation.pdf?la=en&hash=004EE1C28CEC9F16730FBFF322305DA0DDF1A3ED)

[PFAS investigation program FAQs \(/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-faqs\)](https://www.epa.nsw.gov.au/your-environment/contaminated-land/pfas-investigation-program/pfas-investigation-faqs) page

[NSW Department of Health](https://www.health.nsw.gov.au/environment/factsheets/Pages/pfos.aspx)

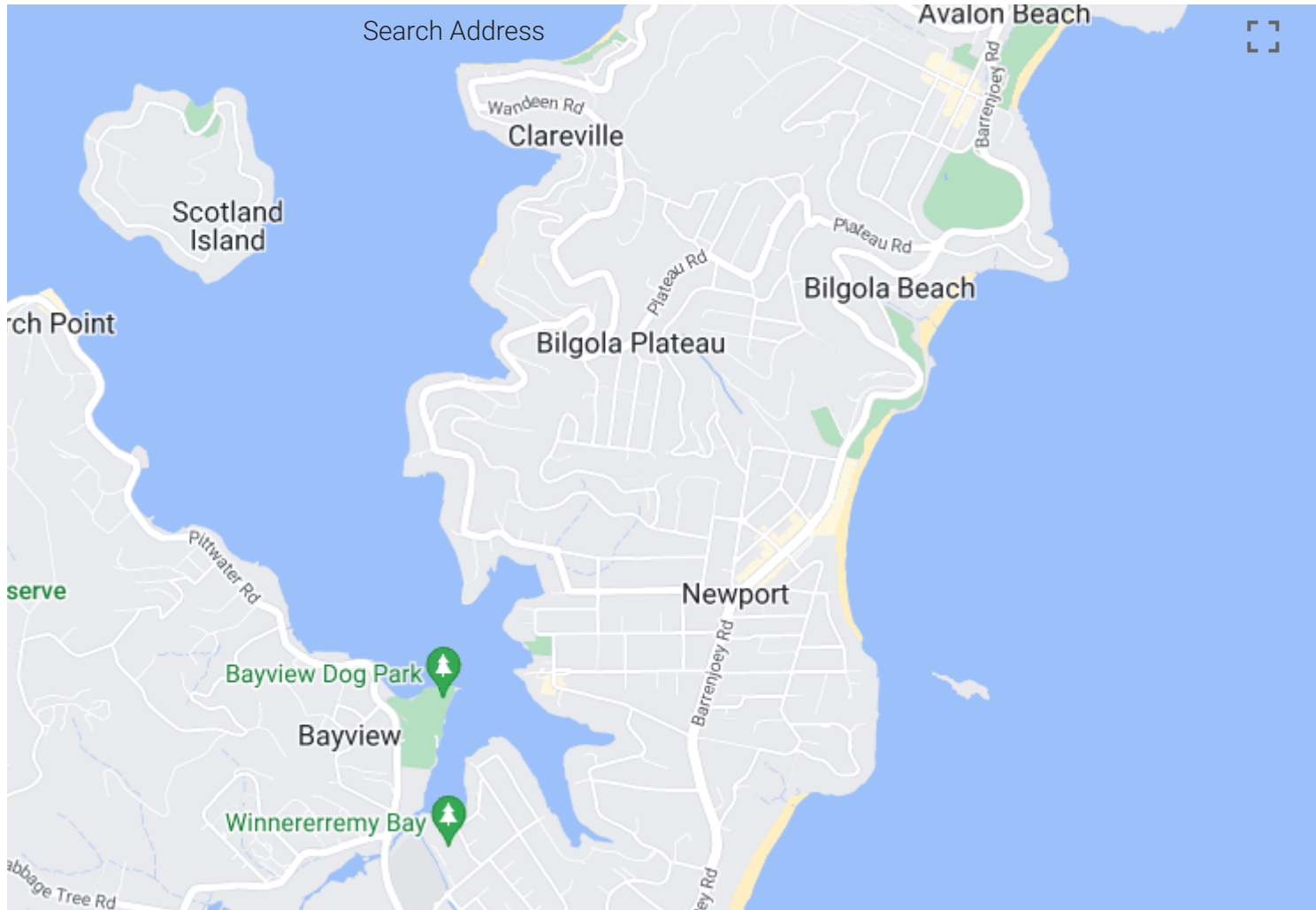
[\(https://www.health.nsw.gov.au/environment/factsheets/Pages/pfos.aspx\)](https://www.health.nsw.gov.au/environment/factsheets/Pages/pfos.aspx)

For specific health inquiries call the NSW Department of Health on **1300 066 055**

If you have any questions about the EPA's PFAS investigation program, please call the Environment Line on **131 555** or email [info@environment.nsw.gov.au](mailto:info@environment.nsw.gov.au) (<mailto:info@environment.nsw.gov.au>)

*Page last updated 14 July 2021*

Please consider the environment before printing.



# APPENDIX G

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## SEARCH RECORDS







## Northern Beaches Council Planning Certificate – Part 2&5

**Applicant:** InfoTrack  
GPO Box 4029  
SYDNEY NSW 2001

**Reference:** 421: Sale of Sirsi Marina (Leg  
**Date:** 21/06/2021  
**Certificate No.** ePLC2021/4885

**Address of Property:** 126 Crescent Road NEWPORT NSW 2106  
**Description of Property:** Lot 1 DP 503390

### Planning Certificate – Part 2

The following certificate is issued under the provisions of Section 10.7(2) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149). The information applicable to the land is accurate as at the above date.

#### **1. Relevant planning instruments and Development Control Plans**

**1.1 The name of each environmental planning instrument that applies to the carrying out of development on the land:**

**1.1a) Local Environmental Plan**

Pittwater Local Environmental Plan 2014

**1.1b) State Environmental Planning Policies and Regional Environmental Plans**

State Environmental Planning Policy 19 – Bushland in Urban Areas  
State Environmental Planning Policy 21 – Caravan Parks  
State Environmental Planning Policy 33 – Hazardous and Offensive Development  
State Environmental Planning Policy 50 – Canal Estate Development  
State Environmental Planning Policy 55 – Remediation of Land  
State Environmental Planning Policy 64 – Advertising and Signage  
State Environmental Planning Policy 65 – Design Quality of Residential Apartment Development  
State Environmental Planning Policy No 70—Affordable Housing (Revised Schemes)  
State Environmental Planning Policy (Affordable Rental Housing) 2009  
State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004  
State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017  
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004  
State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007  
State Environmental Planning Policy (State and Regional Development) 2011  
State Environmental Planning Policy (State Significant Precincts) 2005  
State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017  
State Environmental Planning Policy (Primary Production and Rural Development) 2019  
State Environmental Planning Policy (Koala Habitat Protection) 2019  
Wholly Affected - State Environmental Planning Policy (Coastal Management) 2018  
Sydney Regional Environmental Plan No 20-Hawkesbury-Nepean River (No 2-1997)

## **1.2 Draft Environmental Planning Instruments**

The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved):

### **1.2 a) Draft State Environmental Planning Policies**

Draft State Environmental Planning Policy (Environment)  
Draft State Environmental Planning Policy (Short-term Rental Accommodation) 2019  
Amendment to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
Draft Remediation of Land State Environmental Planning Policy (intended to replace State Environmental Planning Policy 55)

### **1.2 b) Draft Local Environmental Plans**

## **1.3 Development Control Plans**

The name of each development control plan that applies to the carrying out of development on the land:

Pittwater 21 Development Control Plan

## **2. Zoning and land use under relevant Local Environmental Plans**

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

### **2.1 Zoning and land use under relevant Local Environmental Plans**

#### **2.1 (a), (b), (c) & (d)**

The following information identifies the purposes for which development may be carried out with or without development consent and the purposes for which the carrying out of development is prohibited, for all zones (however described) affecting the land to which the relevant Local Environmental Plan applies.

#### **Zone E4 Environmental Living**

#### **2 Permitted without consent**

Home businesses; Home occupations

### **3 Permitted with consent**

Bed and breakfast accommodation; Boat sheds; Building identification signs; Business identification signs; Centre-based child care facilities; Community facilities; Dwelling houses; Environmental protection works; Group homes; Health consulting rooms; Home-based child care; Home industries; Jetties; Places of public worship; Respite day care centres; Roads; Secondary dwellings; Water recreation structures

### **4 Prohibited**

Industries; Service stations; Warehouse or distribution centres; Any other development not specified in item 2 or 3

### **Additional permitted uses**

Additional permitted uses, if any, for which development is permissible with development consent pursuant to Clause 2.5 and Schedule 1 of the relevant Local Environmental Plan:

Nil

### **(e) Minimum land dimensions**

The *Pittwater Local Environmental Plan 2014* contains no development standard that fixes minimum land dimensions for the erection of a dwelling house on the land.

### **(f) Critical habitat**

The land does not include or comprise critical habitat.

### **(g) Conservation areas**

The land is not in a heritage conservation area.

### **(h) Item of environmental heritage**

The land does not contain an item of environmental heritage.

### **2.2 Draft Local Environmental Plan - if any**

For any proposed changes to zoning and land use, see Part 1.2 b)  
Please contact Council's Strategic and Place Planning unit with enquiries on 1300 434 434.

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

The *State Environmental Planning Policy (Sydney Region Growth Centres) 2006* does not apply to the land.

### **3. Complying Development**

The extent to which the land is land on which complying development may or may not be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

#### **a) Housing Code**

Complying Development under the Housing Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3.1 Land to which code applies**

This code applies to development that is specified in clauses 3.2-3.5 on any lot in Zone R1, R2, R3, R4 or RU5 that:

- (a) has an area of at least 200m<sup>2</sup>, and
- (b) has a width, measured at the building line fronting a primary road, of at least 6m.

#### **b) Rural Housing Code**

Complying Development under the Rural Housing Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3A.1 Land to which code applies**

This code applies to development that is specified in clauses 3A.2-3A.5 on lots in Zone RU1, RU2, RU3, RU4, RU6 and R5.

#### **c) Low Rise Housing Diversity Code**

Complying Development under the Low Rise Housing Diversity Code may be carried out on all of the land.

#### **d) Greenfield Housing Code**

Complying Development under the Greenfield Housing Code may not be carried out on all of the land.

#### **e) Housing Alterations Code**

Complying Development under the Housing Alterations Code may be carried out on all of the land.

#### **f) General Development Code**

Complying Development under the General Development Code may be carried out on all of the land.

#### **g) Commercial and Industrial Alterations Code**

Complying Development under the Commercial and Industrial Alterations Code may be carried out on all of the land.

#### **h) Commercial and Industrial (New Buildings and Additions) Code**

Complying Development under the Commercial and Industrial (New Buildings and Additions) Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **5A.1 Land to which code applies**

This code applies to development that is specified in clause 5A.2 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **i) Container Recycling Facilities Code**

Complying Development under the Container Recycling Facilities Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

**5B.2 Development to which code applies**

This code applies to development that is specified in clause 5B.3 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **j) Subdivisions Code**

Complying Development under the Subdivisions Code may be carried out on all of the land.

#### **k) Demolition Code**

Complying Development under the Demolition Code may be carried out on all of the land.

#### **l) Fire Safety Code**

Complying Development under the Fire Safety Code may be carried out on all of the land.

#### **m) Inland Code**

Complying Development under the Inland Code does not apply to the land.

**Note:** Pursuant to clause 3D.1 of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, the Inland Code only applies to 'inland local government areas'. Northern Beaches local government area is not defined as an 'inland local government area' by *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

### **4. 4A (Repealed)**

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

The owner of the land (or any previous owner) has not 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).

### **5. Mine Subsidence**

The land has not been proclaimed to be a mine Subsidence (Mine Subsidence) district within the meaning of section 15 of the *Mine Subsidence (Mine Subsidence) Compensation Act, 1961*.

### **6. Road widening and road realignment**

- (a) The land is not affected by a road widening or re-alignment proposal under Division 2 of Part 3 of the *Roads Act 1993*.
- (b) The land is not affected by a road widening or re-alignment proposal under an environmental planning instrument.

- (c) The land is not affected by a road widening or re-alignment proposal under a resolution of Council.

## **7. Council and other public authority policies on hazard risk restriction**

- (a) Council has adopted a number of policies with regard to various hazards or risks which may restrict development on this land. The identified hazard or risk and the respective Council policies which affect the property, if any, are listed below (other than flooding – see 7A):

Nil

- (b) The following information applies to any policy as 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 a planning certificate issued by the Council. The identified hazard or risk and the respective Policy which affect the property, if any, are listed below:

Nil

## **7A. Flood related development control Information**

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

## **8. Land reserved for acquisition**

Environmental planning instrument referred to in Clause 1 does not make provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

## **9. Contribution plans**

The following applies to the land:

**Northern Beaches Section 7.12 Contributions Plan 2019**

## **9A. Biodiversity certified land**

The land is not biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016* (includes land certified under Part 7AA of the repealed *Threatened Species Conservation Act 1995*).

## **10. Biodiversity Stewardship Sites**

The Council has not been notified by the Chief Executive of the Office of Environment and Heritage that the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016* (includes land to which a biobanking agreement under Part 7A of the repealed *Threatened Species Conservation Act 1995* relates).

### **10A. Native vegetation clearing set asides**

Council has not been notified by Local Land Services of the existence of a set aside area under section 60ZC of the *Local Land Services Act 2013*.

### **11. Bush fire prone land**

#### **Bush Fire Prone Land**

The land is not bush fire prone land.

### **12. Property vegetation plans**

The Council has not been notified that the land is land to which a vegetation plan under the *Native Vegetation Act 2003* applies.

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

Council has not been notified of the existence of an order made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

### **14. Directions under Part 3A**

There is not 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.

### **15. Site compatibility certificates and conditions for seniors housing**

- (a) There is not a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land.
- (b) No condition of consent applies to the property that limits the kind of people who may occupy the premises/ development. This refers only to consents granted after 11 October 2007 with conditions made in accordance with clause 18(2) of *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004*.

### **16. Site compatibility certificates for infrastructure, schools or TAFE establishments**

There is not a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the council is aware, in respect of proposed development on the land.

### **17. Site compatibility certificate and conditions for affordable rental housing**

- (a) There is not a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land.

- (b) There are not terms of a kind referred to in clause 17 (1) or 38 (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.

## **18. Paper subdivision information**

There is no current paper subdivision, of which council is aware, in respect of this land according to Part 16C of the *Environmental Planning and Assessment Regulation 2000*.

## **19. Site verification certificates**

There is no current site verification certificate, of which council is aware, in respect of the land according to Part 4AA of the *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

## **20. Loose-fill asbestos insulation**

The residential dwelling erected on this land has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

This clause applies to residential premises (within the meaning of Division 1A of part 8 of the Home Building Act 1989) that are listed in the register that is required to be maintained under that Division.

Contact NSW Fair Trading for more information.

## **21 Affected building notices and building product rectification orders**

- 1) There is not an affected building notice of which the council is aware that is in force in respect of the land.
- 2) There is not a building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
- 3) There is not a notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.

In this clause:

**affected building notice** has the same meaning as in Part 4 of the *Building Products (Safety) Act 2017*.

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

## **Additional matters under the Contaminated Land Management Act 1997**

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

- (a) the land to which the certificate relates is not significantly contaminated land within the meaning of that Act



- (b) the land to which the certificate relates is not subject to a management order within the meaning of that Act
- (c) the land to which the certificate relates is not the subject of an approved voluntary management proposal within the meaning of that Act
- (d) the land to which the certificate relates is not subject to an ongoing maintenance order within the meaning of that Act
- (e) the land to which the certificate relates is not the subject of a site audit statement

If contamination is identified above please contact the Environmental Protection Authority (EPA) for further information.

## **Planning Certificate – Part 5**

ePLC2021/4885

The following is information provided in good faith under the provisions of Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149) and lists relevant matters affecting the land of which Council is aware. The Council shall not incur any liability in respect of any such advice.

Persons relying on this certificate should read the environmental planning instruments referred to in this certificate.

### **Company Title Subdivision**

Clause 4.1 of the *Pittwater Local Environmental Plan 2014*, *Warringah Local Environmental Plan 2011* or *Manly Local Environmental Plan 2013* provides that land may not be subdivided except with the consent of the Council. This includes subdivision by way of company title schemes. Persons considering purchasing property in the Northern Beaches local government area the subject of a company title scheme are advised to check that the land has been subdivided with the consent of the Council.

### **District Planning**

Under the Greater Sydney Regional Plan – A Metropolis of Three Cities 2018, the Greater Sydney Commission sets a planning framework for a metropolis of three cities across Greater Sydney which reach across five Districts. Northern Beaches is located within the 'Eastern Harbour City' area and is in the North District which forms a large part of the Eastern Harbour City. The North District Plan sets out planning priorities and actions for the growth of the North District, including Northern Beaches. Northern Beaches Council's Local Strategic Planning Statement gives effect to the District Plan based on local characteristics and opportunities and Council's own priorities in the community. The Local Strategic Planning Statement came into effect on 26 March 2020.

### **Council Resolution To Amend Environmental Planning Instrument**

The following instrument or resolution of Council proposes to vary the provisions of an environmental planning instrument, other than as referred to in the Planning Certificate – Part 2:

Nil

### **Additional Information Applying To The Land**

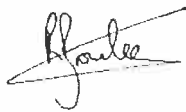
Additional information, if any, relating to the land the subject of this certificate:

Nil

### **General Information**

#### **Tree Preservation and Management Order**

Tree preservation and Management order applies to the subject land



**Ray Brownlee PSM**  
**Chief Executive Officer**  
**21/06/2021**



## Northern Beaches Council Planning Certificate – Part 2&5

**Applicant:** InfoTrack  
GPO Box 4029  
SYDNEY NSW 2001

**Reference:** 421: Sale of Sirsi Marina (Leg  
**Date:** 21/06/2021  
**Certificate No.** ePLC2021/4884

**Address of Property:** 55 The Avenue NEWPORT NSW 2106  
**Description of Property:** Lot 2 DP 210342

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### Planning Certificate – Part 2

The following certificate is issued under the provisions of Section 10.7(2) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149). The information applicable to the land is accurate as at the above date.

#### **1. Relevant planning instruments and Development Control Plans**

**1.1 The name of each environmental planning instrument that applies to the carrying out of development on the land:**

##### **1.1a) Local Environmental Plan**

Pittwater Local Environmental Plan 2014

##### **1.1b) State Environmental Planning Policies and Regional Environmental Plans**

State Environmental Planning Policy 19 – Bushland in Urban Areas  
State Environmental Planning Policy 21 – Caravan Parks  
State Environmental Planning Policy 33 – Hazardous and Offensive Development  
State Environmental Planning Policy 50 – Canal Estate Development  
State Environmental Planning Policy 55 – Remediation of Land  
State Environmental Planning Policy 64 – Advertising and Signage  
State Environmental Planning Policy 65 – Design Quality of Residential Apartment Development  
State Environmental Planning Policy No 70—Affordable Housing (Revised Schemes)  
State Environmental Planning Policy (Affordable Rental Housing) 2009  
State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004  
State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017  
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004  
State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007  
State Environmental Planning Policy (State and Regional Development) 2011  
State Environmental Planning Policy (State Significant Precincts) 2005  
State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017  
State Environmental Planning Policy (Primary Production and Rural Development) 2019  
State Environmental Planning Policy (Koala Habitat Protection) 2019  
Wholly Affected - State Environmental Planning Policy (Coastal Management) 2018  
Sydney Regional Environmental Plan No 20-Hawkesbury-Nepean River (No 2-1997)

## **1.2 Draft Environmental Planning Instruments**

The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved):

### **1.2 a) Draft State Environmental Planning Policies**

Draft State Environmental Planning Policy (Environment)  
Draft State Environmental Planning Policy (Short-term Rental Accommodation) 2019  
Amendment to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
Draft Remediation of Land State Environmental Planning Policy (intended to replace State Environmental Planning Policy 55)

### **1.2 b) Draft Local Environmental Plans**

## **1.3 Development Control Plans**

The name of each development control plan that applies to the carrying out of development on the land:

Pittwater 21 Development Control Plan

## **2. Zoning and land use under relevant Local Environmental Plans**

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

### **2.1 Zoning and land use under relevant Local Environmental Plans**

#### **2.1 (a), (b), (c) & (d)**

The following information identifies the purposes for which development may be carried out with or without development consent and the purposes for which the carrying out of development is prohibited, for all zones (however described) affecting the land to which the relevant Local Environmental Plan applies.

#### **Zone E4 Environmental Living**

#### **2 Permitted without consent**

Home businesses; Home occupations

### **3 Permitted with consent**

Bed and breakfast accommodation; Boat sheds; Building identification signs; Business identification signs; Centre-based child care facilities; Community facilities; Dwelling houses; Environmental protection works; Group homes; Health consulting rooms; Home-based child care; Home industries; Jetties; Places of public worship; Respite day care centres; Roads; Secondary dwellings; Water recreation structures

### **4 Prohibited**

Industries; Service stations; Warehouse or distribution centres; Any other development not specified in item 2 or 3

### **Additional permitted uses**

Additional permitted uses, if any, for which development is permissible with development consent pursuant to Clause 2.5 and Schedule 1 of the relevant Local Environmental Plan:

Nil

### **(e) Minimum land dimensions**

The *Pittwater Local Environmental Plan 2014* contains no development standard that fixes minimum land dimensions for the erection of a dwelling house on the land.

### **(f) Critical habitat**

The land does not include or comprise critical habitat.

### **(g) Conservation areas**

The land is not in a heritage conservation area.

### **(h) Item of environmental heritage**

The land does not contain an item of environmental heritage.

### **2.2 Draft Local Environmental Plan - if any**

For any proposed changes to zoning and land use, see Part 1.2 b)  
Please contact Council's Strategic and Place Planning unit with enquiries on 1300 434 434.

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

The *State Environmental Planning Policy (Sydney Region Growth Centres) 2006* does not apply to the land.

### **3. Complying Development**

The extent to which the land is land on which complying development may or may not be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

#### **a) Housing Code**

Complying Development under the Housing Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3.1 Land to which code applies**

This code applies to development that is specified in clauses 3.2-3.5 on any lot in Zone R1, R2, R3, R4 or RU5 that:

- (a) has an area of at least 200m<sup>2</sup>, and
- (b) has a width, measured at the building line fronting a primary road, of at least 6m.

#### **b) Rural Housing Code**

Complying Development under the Rural Housing Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3A.1 Land to which code applies**

This code applies to development that is specified in clauses 3A.2-3A.5 on lots in Zone RU1, RU2, RU3, RU4, RU6 and R5.

#### **c) Low Rise Housing Diversity Code**

Complying Development under the Low Rise Housing Diversity Code may be carried out on all of the land.

#### **d) Greenfield Housing Code**

Complying Development under the Greenfield Housing Code may not be carried out on all of the land.

#### **e) Housing Alterations Code**

Complying Development under the Housing Alterations Code may be carried out on all of the land.

#### **f) General Development Code**

Complying Development under the General Development Code may be carried out on all of the land.

#### **g) Commercial and Industrial Alterations Code**

Complying Development under the Commercial and Industrial Alterations Code may be carried out on all of the land.

#### **h) Commercial and Industrial (New Buildings and Additions) Code**

Complying Development under the Commercial and Industrial (New Buildings and Additions) Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **5A.1 Land to which code applies**

This code applies to development that is specified in clause 5A.2 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **i) Container Recycling Facilities Code**

Complying Development under the Container Recycling Facilities Code may be carried out on all of the land.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

##### **5B.2 Development to which code applies**

This code applies to development that is specified in clause 5B.3 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **j) Subdivisions Code**

Complying Development under the Subdivisions Code may be carried out on all of the land.

#### **k) Demolition Code**

Complying Development under the Demolition Code may be carried out on all of the land.

#### **l) Fire Safety Code**

Complying Development under the Fire Safety Code may be carried out on all of the land.

#### **m) Inland Code**

Complying Development under the Inland Code does not apply to the land.

*Note: Pursuant to clause 3D.1 of the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008, the Inland Code only applies to 'inland local government areas'. Northern Beaches local government area is not defined as an 'inland local government area' by State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.*

### **4, 4A (Repealed)**

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

The owner of the land (or any previous owner) has not 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).

### **5. Mine Subsidence**

The land has not been proclaimed to be a mine Subsidence (Mine Subsidence) district within the meaning of section 15 of the *Mine Subsidence (Mine Subsidence) Compensation Act, 1961*.

### **6. Road widening and road realignment**

(a) The land is not affected by a road widening or re-alignment proposal under Division 2 of Part 3 of the *Roads Act 1993*.

(b) The land is not affected by a road widening or re-alignment proposal under an environmental planning instrument.

- (c) The land is not affected by a road widening or re-alignment proposal under a resolution of Council.

## **7. Council and other public authority policies on hazard risk restriction**

- (a) Council has adopted a number of policies with regard to various hazards or risks which may restrict development on this land. The identified hazard or risk and the respective Council policies which affect the property, if any, are listed below (other than flooding – see 7A):

Nil

- (b) The following information applies to any policy as 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 a planning certificate issued by the Council. The identified hazard or risk and the respective Policy which affect the property, if any, are listed below:

Nil

## **7A. Flood related development control Information**

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

## **8. Land reserved for acquisition**

Environmental planning instrument referred to in Clause 1 does not make provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

## **9. Contribution plans**

The following applies to the land:

**Northern Beaches Section 7.12 Contributions Plan 2019**

## **9A. Biodiversity certified land**

The land is not biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016* (includes land certified under Part 7AA of the repealed *Threatened Species Conservation Act 1995*).

## **10. Biodiversity Stewardship Sites**

The Council has not been notified by the Chief Executive of the Office of Environment and Heritage that the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016* (includes land to which a biobanking agreement under Part 7A of the repealed *Threatened Species Conservation Act 1995* relates).



### **10A. Native vegetation clearing set asides**

Council has not been notified by Local Land Services of the existence of a set aside area under section 60ZC of the *Local Land Services Act 2013*.

### **11. Bush fire prone land**

#### **Bush Fire Prone Land**

The land is not bush fire prone land.

### **12. Property vegetation plans**

The Council has not been notified that the land is land to which a vegetation plan under the *Native Vegetation Act 2003* applies.

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

Council has not been notified of the existence of an order made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

### **14. Directions under Part 3A**

There is not 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.

### **15. Site compatibility certificates and conditions for seniors housing**

- (a) There is not a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land.
- (b) No condition of consent applies to the property that limits the kind of people who may occupy the premises/ development. This refers only to consents granted after 11 October 2007 with conditions made in accordance with clause 18(2) of *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004*.

### **16. Site compatibility certificates for infrastructure, schools or TAFE establishments**

There is not a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the council is aware, in respect of proposed development on the land.

### **17. Site compatibility certificate and conditions for affordable rental housing**

- (a) There is not a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land.

- (b) There are not terms of a kind referred to in clause 17 (1) or 38 (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.

## **18. Paper subdivision information**

There is no current paper subdivision, of which council is aware, in respect of this land according to Part 16C of the *Environmental Planning and Assessment Regulation 2000*.

## **19. Site verification certificates**

There is no current site verification certificate, of which council is aware, in respect of the land according to Part 4AA of the *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

## **20. Loose-fill asbestos insulation**

The residential dwelling erected on this land has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

This clause applies to residential premises (within the meaning of Division 1A of part 8 of the Home Building Act 1989) that are listed in the register that is required to be maintained under that Division.

Contact NSW Fair Trading for more information.

## **21 Affected building notices and building product rectification orders**

- 1) There is not an affected building notice of which the council is aware that is in force in respect of the land.
- 2) There is not a building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
- 3) There is not a notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.

In this clause:

**affected building notice** has the same meaning as in Part 4 of the *Building Products (Safety) Act 2017*.

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

## **Additional matters under the Contaminated Land Management Act 1997**

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

- (a) the land to which the certificate relates is not significantly contaminated land within the meaning of that Act

- (b) the land to which the certificate relates is not subject to a management order within the meaning of that Act
- (c) the land to which the certificate relates is not the subject of an approved voluntary management proposal within the meaning of that Act
- (d) the land to which the certificate relates is not subject to an ongoing maintenance order within the meaning of that Act
- (e) the land to which the certificate relates is not the subject of a site audit statement

If contamination is identified above please contact the Environmental Protection Authority (EPA) for further information.

## **Planning Certificate – Part 5**

ePLC2021/4884

The following is information provided in good faith under the provisions of Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149) and lists relevant matters affecting the land of which Council is aware. The Council shall not incur any liability in respect of any such advice.

Persons relying on this certificate should read the environmental planning instruments referred to in this certificate.

### **Company Title Subdivision**

Clause 4.1 of the *Pittwater Local Environmental Plan 2014*, *Warringah Local Environmental Plan 2011* or *Manly Local Environmental Plan 2013* provides that land may not be subdivided except<sup>3</sup> with the consent of the Council. This includes subdivision by way of company title schemes. Persons considering purchasing property in the Northern Beaches local government area the subject of a company title scheme are advised to check that the land has been subdivided with the consent of the Council.

### **District Planning**

Under the Greater Sydney Regional Plan – A Metropolis of Three Cities 2018, the Greater Sydney Commission sets a planning framework for a metropolis of three cities across Greater Sydney which reach across five Districts. Northern Beaches is located within the 'Eastern Harbour City' area and is in the North District which forms a large part of the Eastern Harbour City. The North District Plan sets out planning priorities and actions for the growth of the North District, including Northern Beaches. Northern Beaches Council's Local Strategic Planning Statement gives effect to the District Plan based on local characteristics and opportunities and Council's own priorities in the community. The Local Strategic Planning Statement came into effect on 26 March 2020.

### **Council Resolution To Amend Environmental Planning Instrument**

The following instrument or resolution of Council proposes to vary the provisions of an environmental planning instrument, other than as referred to in the Planning Certificate – Part 2:

Nil

**Additional Information Applying To The Land**

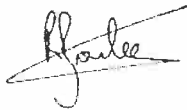
Additional information, if any, relating to the land the subject of this certificate:

Nil

**General Information**

**Tree Preservation and Management Order**

Tree preservation and Management order applies to the subject land



**Ray Brownlee PSM**  
**Chief Executive Officer**  
**21/06/2021**

## Northern Beaches Council Planning Certificate – Part 2&5

**Applicant:** InfoTrack  
GPO Box 4029  
SYDNEY NSW 2001

**Reference:** 421: Sale of Sirsi Marina (Leg  
**Date:** 22/06/2021  
**Certificate No.** ePLC2021/4915

**Address of Property:** 128 Crescent Road NEWPORT NSW 2106  
**Description of Property:** Lot 3 DP 210342

### Planning Certificate – Part 2

The following certificate is issued under the provisions of Section 10.7(2) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149). The information applicable to the land is accurate as at the above date.

#### 1. Relevant planning instruments and Development Control Plans

**1.1 The name of each environmental planning instrument that applies to the carrying out of development on the land:**

##### **1.1a) Local Environmental Plan**

Pittwater Local Environmental Plan 2014

##### **1.1b) State Environmental Planning Policies and Regional Environmental Plans**

State Environmental Planning Policy 19 – Bushland in Urban Areas  
State Environmental Planning Policy 21 – Caravan Parks  
State Environmental Planning Policy 33 – Hazardous and Offensive Development  
State Environmental Planning Policy 50 – Canal Estate Development  
State Environmental Planning Policy 55 – Remediation of Land  
State Environmental Planning Policy 64 – Advertising and Signage  
State Environmental Planning Policy 65 – Design Quality of Residential Apartment Development  
State Environmental Planning Policy No 70—Affordable Housing (Revised Schemes)  
State Environmental Planning Policy (Affordable Rental Housing) 2009  
State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004  
State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017  
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004  
State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

State Environmental Planning Policy (State and Regional Development) 2011

State Environmental Planning Policy (State Significant Precincts) 2005

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017

State Environmental Planning Policy (Primary Production and Rural Development) 2019

State Environmental Planning Policy (Koala Habitat Protection) 2019

Partly Affected - State Environmental Planning Policy (Coastal Management) 2018

Sydney Regional Environmental Plan No 20-Hawkesbury-Nepean River (No 2-1997)

## **1.2 Draft Environmental Planning Instruments**

The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved):

### **1.2 a) Draft State Environmental Planning Policies**

Draft State Environmental Planning Policy (Environment)

Draft State Environmental Planning Policy (Short-term Rental Accommodation) 2019

Amendment to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

Draft Remediation of Land State Environmental Planning Policy (intended to replace State Environmental Planning Policy 55)

### **1.2 b) Draft Local Environmental Plans**

## **1.3 Development Control Plans**

The name of each development control plan that applies to the carrying out of development on the land:

Pittwater 21 Development Control Plan

## **2. Zoning and land use under relevant Local Environmental Plans**

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

### **2.1 Zoning and land use under relevant Local Environmental Plans**

#### **2.1 (a), (b), (c) & (d)**

The following information identifies the purposes for which development may be carried out with or without development consent and the purposes for which the carrying out of development is prohibited, for all zones (however described) affecting the land to which the relevant Local Environmental Plan applies.

#### **Zone E4 Environmental Living**

##### **2 Permitted without consent**

Home businesses; Home occupations

### 3 Permitted with consent

Bed and breakfast accommodation; Boat sheds; Building identification signs; Business identification signs; Centre-based child care facilities; Community facilities; Dwelling houses; Environmental protection works; Group homes; Health consulting rooms; Home-based child care; Home industries; Jetties; Places of public worship; Respite day care centres; Roads; Secondary dwellings; Water recreation structures

### 4 Prohibited

Industries; Service stations; Warehouse or distribution centres; Any other development not specified in item 2 or 3

### Additional permitted uses

Additional permitted uses, if any, for which development is permissible with development consent pursuant to Clause 2.5 and Schedule 1 of the relevant Local Environmental Plan:

Nil

### (e) Minimum land dimensions

The *Pittwater Local Environmental Plan 2014* contains no development standard that fixes minimum land dimensions for the erection of a dwelling house on the land.

### (f) Critical habitat

The land does not include or comprise critical habitat.

### (g) Conservation areas

The land is not in a heritage conservation area.

### (h) Item of environmental heritage

The land does not contain an item of environmental heritage.

## 2.2 Draft Local Environmental Plan - if any

For any proposed changes to zoning and land use, see Part 1.2 b)

Please contact Council's Strategic and Place Planning unit with enquiries on 1300 434 434.

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

The *State Environmental Planning Policy (Sydney Region Growth Centres) 2006* does not apply to the land.

### **3. Complying Development**

The extent to which the land is land on which complying development may or may not be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

#### **a) Housing Code**

Complying Development under the Housing Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3.1 Land to which code applies**

This code applies to development that is specified in clauses 3.2-3.5 on any lot in Zone R1, R2, R3, R4 or RU5 that:

- (a) has an area of at least 200m<sup>2</sup>, and
- (b) has a width, measured at the building line fronting a primary road, of at least 6m.

#### **b) Rural Housing Code**

Complying Development under the Rural Housing Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3A.1 Land to which code applies**

This code applies to development that is specified in clauses 3A.2-3A.5 on lots in Zone RU1, RU2, RU3, RU4, RU6 and R5.

#### **c) Low Rise Housing Diversity Code**

Complying Development under the Low Rise Housing Diversity Code may be carried out on all of the land.

#### **d) Greenfield Housing Code**

Complying Development under the Greenfield Housing Code may not be carried out on all of the land.

#### **e) Housing Alterations Code**

Complying Development under the Housing Alterations Code may be carried out on all of the land.

#### **f) General Development Code**

Complying Development under the General Development Code may be carried out on all of the land.

#### **g) Commercial and Industrial Alterations Code**

Complying Development under the Commercial and Industrial Alterations Code may be carried out on all of the land.

#### **h) Commercial and Industrial (New Buildings and Additions) Code**

Complying Development under the Commercial and Industrial (New Buildings and Additions) Code may be carried out on all of the land.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **5A.1 Land to which code applies**



This code applies to development that is specified in clause 5A.2 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

### **i) Container Recycling Facilities Code**

Complying Development under the Container Recycling Facilities Code may be carried out on all of the land.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

#### **5B.2 Development to which code applies**

This code applies to development that is specified in clause 5B.3 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

### **j) Subdivisions Code**

Complying Development under the Subdivisions Code may be carried out on all of the land.

### **k) Demolition Code**

Complying Development under the Demolition Code may be carried out on all of the land.

### **l) Fire Safety Code**

Complying Development under the Fire Safety Code may be carried out on all of the land.

### **m) Inland Code**

Complying Development under the Inland Code does not apply to the land.

**Note:** Pursuant to clause 3D.1 of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, the Inland Code only applies to 'inland local government areas'. Northern Beaches local government area is not defined as an 'inland local government area' by *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

## **4, 4A (Repealed)**

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

The owner of the land (or any previous owner) has not 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).

## **5. Mine Subsidence**

The land has not been proclaimed to be a mine Subsidence (Mine Subsidence) district within the meaning of section 15 of the *Mine Subsidence (Mine Subsidence) Compensation Act, 1961*.

## **6. Road widening and road realignment**

- (a) The land is not affected by a road widening or re-alignment proposal under Division 2 of Part 3 of the *Roads Act 1993*.
- (b) The land is not affected by a road widening or re-alignment proposal under an environmental planning instrument.

- (c) The land is not affected by a road widening or re-alignment proposal under a resolution of Council.

## **7. Council and other public authority policies on hazard risk restriction**

- (a) Council has adopted a number of policies with regard to various hazards or risks which may restrict development on this land. The identified hazard or risk and the respective Council policies which affect the property, if any, are listed below (other than flooding – see 7A):

Nil

- (b) The following information applies to any policy as 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 a planning certificate issued by the Council. The identified hazard or risk and the respective Policy which affect the property, if any, are listed below:

Nil

## **7A. Flood related development control Information**

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

## **8. Land reserved for acquisition**

Environmental planning instrument referred to in Clause 1 does not make provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

## **9. Contribution plans**

The following applies to the land:

**Northern Beaches Section 7.12 Contributions Plan 2019**

## **9A. Biodiversity certified land**

The land is not biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016* (includes land certified under Part 7AA of the repealed *Threatened Species Conservation Act 1995*).

## **10. Biodiversity Stewardship Sites**

The Council has not been notified by the Chief Executive of the Office of Environment and Heritage that the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016* (includes land to which a biobanking agreement under Part 7A of the repealed *Threatened Species Conservation Act 1995* relates).

### **10A. Native vegetation clearing set asides**

Council has not been notified by Local Land Services of the existence of a set aside area under section 60ZC of the *Local Land Services Act 2013*.

### **11. Bush fire prone land**

#### **Bush Fire Prone Land**

The land is not bush fire prone land.

### **12. Property vegetation plans**

The Council has not been notified that the land is land to which a vegetation plan under the *Native Vegetation Act 2003* applies.

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

Council has not been notified of the existence of an order made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

### **14. Directions under Part 3A**

There is not 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.

### **15. Site compatibility certificates and conditions for seniors housing**

- (a) There is not a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land.
- (b) No condition of consent applies to the property that limits the kind of people who may occupy the premises/ development. This refers only to consents granted after 11 October 2007 with conditions made in accordance with clause 18(2) of *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004*.

### **16. Site compatibility certificates for infrastructure, schools or TAFE establishments**

There is not a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the council is aware, in respect of proposed development on the land.

### **17. Site compatibility certificate and conditions for affordable rental housing**

- (a) There is not a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land.

- (b) There are not terms of a kind referred to in clause 17 (1) or 38 (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.

## **18. Paper subdivision information**

There is no current paper subdivision, of which council is aware, in respect of this land according to Part 16C of the *Environmental Planning and Assessment Regulation 2000*.

## **19. Site verification certificates**

There is no current site verification certificate, of which council is aware, in respect of the land according to Part 4AA of the *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

## **20. Loose-fill asbestos insulation**

The residential dwelling erected on this land has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

This clause applies to residential premises (within the meaning of Division 1A of part 8 of the Home Building Act 1989) that are listed in the register that is required to be maintained under that Division.

Contact NSW Fair Trading for more information.

## **21 Affected building notices and building product rectification orders**

- 1) There is not an affected building notice of which the council is aware that is in force in respect of the land.
- 2) There is not a building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
- 3) There is not a notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.

In this clause:

***affected building notice*** has the same meaning as in Part 4 of the *Building Products (Safety) Act 2017*.

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

## **Additional matters under the Contaminated Land Management Act 1997**

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

- (a) the land to which the certificate relates is not significantly contaminated land within the meaning of that Act

- (b) the land to which the certificate relates is not subject to a management order within the meaning of that Act
- (c) the land to which the certificate relates is not the subject of an approved voluntary management proposal within the meaning of that Act
- (d) the land to which the certificate relates is not subject to an ongoing maintenance order within the meaning of that Act
- (e) the land to which the certificate relates is not the subject of a site audit statement

If contamination is identified above please contact the Environmental Protection Authority (EPA) for further information.

## **Planning Certificate – Part 5**

ePLC2021/4915

The following is information provided in good faith under the provisions of Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149) and lists relevant matters affecting the land of which Council is aware. The Council shall not incur any liability in respect of any such advice.

Persons relying on this certificate should read the environmental planning instruments referred to in this certificate.

### **Company Title Subdivision**

Clause 4.1 of the *Pittwater Local Environmental Plan 2014*, *Warringah Local Environmental Plan 2011* or *Manly Local Environmental Plan 2013* provides that land may not be subdivided except with the consent of the Council. This includes subdivision by way of company title schemes.

Persons considering purchasing property in the Northern Beaches local government area the subject of a company title scheme are advised to check that the land has been subdivided with the consent of the Council.

### **District Planning**

Under the Greater Sydney Regional Plan – A Metropolis of Three Cities 2018, the Greater Sydney Commission sets a planning framework for a metropolis of three cities across Greater Sydney which reach across five Districts. Northern Beaches is located within the 'Eastern Harbour City' area and is in the North District which forms a large part of the Eastern Harbour City. The North District Plan sets out planning priorities and actions for the growth of the North District, including Northern Beaches. Northern Beaches Council's Local Strategic Planning Statement gives effect to the District Plan based on local characteristics and opportunities and Council's own priorities in the community. The Local Strategic Planning Statement came into effect on 26 March 2020.

### **Council Resolution To Amend Environmental Planning Instrument**

The following instrument or resolution of Council proposes to vary the provisions of an environmental planning instrument, other than as referred to in the Planning Certificate – Part 2:

Nil

### **Additional Information Applying To The Land**

Additional information, if any, relating to the land the subject of this certificate:

Nil

### **General Information**

#### **Tree Preservation and Management Order**

Tree preservation and Management order applies to the subject land



Ray Brownlee PSM  
Chief Executive Officer  
22/06/2021



## Northern Beaches Council Planning Certificate – Part 2&5

**Applicant:** InfoTrack  
GPO Box 4029  
SYDNEY NSW 2001

**Reference:** 421: Sale of Sirsi Marina (Leg  
**Date:** 21/06/2021  
**Certificate No.** ePLC2021/4866

**Address of Property:** 57 The Avenue NEWPORT NSW 2106  
**Description of Property:** Lot 21 DP 545339

### Planning Certificate – Part 2

The following certificate is issued under the provisions of Section 10.7(2) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149). The information applicable to the land is accurate as at the above date.

#### **1. Relevant planning instruments and Development Control Plans**

**1.1 The name of each environmental planning instrument that applies to the carrying out of development on the land:**

**1.1a) Local Environmental Plan**

Pittwater Local Environmental Plan 2014

**1.1b) State Environmental Planning Policies and Regional Environmental Plans**

State Environmental Planning Policy 19 – Bushland in Urban Areas  
State Environmental Planning Policy 21 – Caravan Parks  
State Environmental Planning Policy 33 – Hazardous and Offensive Development  
State Environmental Planning Policy 50 – Canal Estate Development  
State Environmental Planning Policy 55 – Remediation of Land  
State Environmental Planning Policy 64 – Advertising and Signage  
State Environmental Planning Policy 65 – Design Quality of Residential Apartment Development  
State Environmental Planning Policy No 70—Affordable Housing (Revised Schemes)  
State Environmental Planning Policy (Affordable Rental Housing) 2009  
State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004  
State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017  
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004  
State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

State Environmental Planning Policy (State and Regional Development) 2011

State Environmental Planning Policy (State Significant Precincts) 2005

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017

State Environmental Planning Policy (Primary Production and Rural Development) 2019

State Environmental Planning Policy (Koala Habitat Protection) 2019

Wholly Affected - State Environmental Planning Policy (Coastal Management) 2018

Sydney Regional Environmental Plan No 20-Hawkesbury-Nepean River (No 2-1997)

## **1.2 Draft Environmental Planning Instruments**

The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved):

### **1.2 a) Draft State Environmental Planning Policies**

Draft State Environmental Planning Policy (Environment)

Draft State Environmental Planning Policy (Short-term Rental Accommodation) 2019

Amendment to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

Draft Remediation of Land State Environmental Planning Policy (intended to replace State Environmental Planning Policy 55)

### **1.2 b) Draft Local Environmental Plans**

## **1.3 Development Control Plans**

The name of each development control plan that applies to the carrying out of development on the land:

Pittwater 21 Development Control Plan

## **2. Zoning and land use under relevant Local Environmental Plans**

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

### **2.1 Zoning and land use under relevant Local Environmental Plans**

#### **2.1 (a), (b), (c) & (d)**

The following information identifies the purposes for which development may be carried out with or without development consent and the purposes for which the carrying out of development is prohibited, for all zones (however described) affecting the land to which the relevant Local Environmental Plan applies.

#### **Zone E4 Environmental Living**

#### **2 Permitted without consent**

Home businesses; Home occupations



### **3 Permitted with consent**

Bed and breakfast accommodation; Boat sheds; Building identification signs; Business identification signs; Centre-based child care facilities; Community facilities; Dwelling houses; Environmental protection works; Group homes; Health consulting rooms; Home-based child care; Home industries; Jetties; Places of public worship; Respite day care centres; Roads; Secondary dwellings; Water recreation structures

### **4 Prohibited**

Industries; Service stations; Warehouse or distribution centres; Any other development not specified in item 2 or 3

### **Additional permitted uses**

Additional permitted uses, if any, for which development is permissible with development consent pursuant to Clause 2.5 and Schedule 1 of the relevant Local Environmental Plan:

Nil

### **(e) Minimum land dimensions**

The *Pittwater Local Environmental Plan 2014* contains no development standard that fixes minimum land dimensions for the erection of a dwelling house on the land.

### **(f) Critical habitat**

The land does not include or comprise critical habitat.

### **(g) Conservation areas**

The land is not in a heritage conservation area.

### **(h) Item of environmental heritage**

The land does not contain an item of environmental heritage.

### **2.2 Draft Local Environmental Plan - if any**

For any proposed changes to zoning and land use, see Part 1.2 b)  
Please contact Council's Strategic and Place Planning unit with enquiries on 1300 434 434.

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

The *State Environmental Planning Policy (Sydney Region Growth Centres) 2006* does not apply to the land.

### **3. Complying Development**

The extent to which the land is land on which complying development may or may not be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

#### **a) Housing Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3.1 Land to which code applies**

This code applies to development that is specified in clauses 3.2-3.5 on any lot in Zone R1, R2, R3, R4 or RU5 that:

- (a) has an area of at least 200m<sup>2</sup>, and
- (b) has a width, measured at the building line fronting a primary road, of at least 6m.

#### **b) Rural Housing Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3A.1 Land to which code applies**

This code applies to development that is specified in clauses 3A.2-3A.5 on lots in Zone RU1, RU2, RU3, RU4, RU6 and R5.

#### **c) Low Rise Housing Diversity Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

#### **d) Greenfield Housing Code**

Complying Development under the Greenfield Housing Code may not be carried out on all of the land.

#### **e) Housing Alterations Code**

Complying Development under the Housing Alterations Code may be carried out on all of the land.

#### **f) General Development Code**

Complying Development under the General Development Code may be carried out on all of the land.

#### **g) Commercial and Industrial Alterations Code**

Complying Development under the Commercial and Industrial Alterations Code may be carried out on all of the land.

## **h) Commercial and Industrial (New Buildings and Additions) Code**

### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

#### **5A.1 Land to which code applies**

This code applies to development that is specified in clause 5A.2 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

## **i) Container Recycling Facilities Code**

Complying Development under the Container Recycling Facilities Code may be carried out on all of the land.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

#### **5B.2 Development to which code applies**

This code applies to development that is specified in clause 5B.3 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

## **j) Subdivisions Code**

Complying Development under the Subdivisions Code may be carried out on all of the land.

## **k) Demolition Code**

Complying Development under the Demolition Code may be carried out on all of the land.

## **l) Fire Safety Code**

Complying Development under the Fire Safety Code may be carried out on all of the land.

## **m) Inland Code**

Complying Development under the Inland Code does not apply to the land.

**Note:** Pursuant to clause 3D.1 of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, the Inland Code only applies to 'inland local government areas'.

Northern Beaches local government area is not defined as an 'inland local government area' by *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

## **4, 4A (Repealed)**

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

The owner of the land (or any previous owner) has not 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).

## **5. Mine Subsidence**

The land has not been proclaimed to be a mine Subsidence (Mine Subsidence) district within the meaning of section 15 of the *Mine Subsidence (Mine Subsidence) Compensation Act, 1961*.

## **6. Road widening and road realignment**

- (a) The land is not affected by a road widening or re-alignment proposal under Division 2 of Part 3 of the *Roads Act 1993*.
- (b) The land is not affected by a road widening or re-alignment proposal under an environmental planning instrument.
- (c) The land is not affected by a road widening or re-alignment proposal under a resolution of Council.

## **7. Council and other public authority policies on hazard risk restriction**

- (a) Council has adopted a number of policies with regard to various hazards or risks which may restrict development on this land. The identified hazard or risk and the respective Council policies which affect the property, if any, are listed below (other than flooding – see 7A):

### **Geotechnical Risk (Landslide Hazard)**

The Council has adopted by resolution, on 20.07.2009, a policy that has the effect of restricting development of the land (subject to satisfying the policy) because of the potential impact from geotechnical hazards. The policy is entitled "Geotechnical Risk Management Policy for Pittwater - 2009". A copy of the current policy can be obtained from Council.

### **Estuarine Flood Hazard/Risk**

On the information available to Council, the land in question is affected by estuarine processes. This land has been identified in Council's Estuarine Risk Management Policy for Development in Pittwater and Pittwater 21 Development Control Plan as having a current exposure to tidal inundation and erosion caused by tidal waters. The Estuarine Risk Management Policy for Development in Pittwater is based on a study adopted by Council on 6 October 2015 and reflects information available at the time. Contact Council for more information.

- (b) The following information applies to any policy as 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 a planning certificate issued by the Council. The identified hazard or risk and the respective Policy which affect the property, if any, are listed below:

Nil

## **7A. Flood related development control Information**

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

## **8. Land reserved for acquisition**

Environmental planning instrument referred to in Clause 1 does not make provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

## **9. Contribution plans**

The following applies to the land:

**Northern Beaches Section 7.12 Contributions Plan 2019**

## **9A. Biodiversity certified land**

The land is not biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016* (includes land certified under Part 7AA of the repealed *Threatened Species Conservation Act 1995*).

## **10. Biodiversity Stewardship Sites**

The Council has not been notified by the Chief Executive of the Office of Environment and Heritage that the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016* (includes land to which a biobanking agreement under Part 7A of the repealed *Threatened Species Conservation Act 1995* relates).

## **10A. Native vegetation clearing set asides**

Council has not been notified by Local Land Services of the existence of a set aside area under section 60ZC of the *Local Land Services Act 2013*.

## **11. Bush fire prone land**

### **Bush Fire Prone Land**

The land is not bush fire prone land.

## **12. Property vegetation plans**

The Council has not been notified that the land is land to which a vegetation plan under the *Native Vegetation Act 2003* applies.

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

Council has not been notified of the existence of an order made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

## **14. Directions under Part 3A**

There is not 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.

## **15. Site compatibility certificates and conditions for seniors housing**

- (a) There is not a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land.

- (b) No condition of consent applies to the property that limits the kind of people who may occupy the premises/ development. This refers only to consents granted after 11 October 2007 with conditions made in accordance with clause 18(2) of *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004*.

#### **16. Site compatibility certificates for infrastructure, schools or TAFE establishments**

There is not a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the council is aware, in respect of proposed development on the land.

#### **17. Site compatibility certificate and conditions for affordable rental housing**

- (a) There is not a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land.
- (b) There are not terms of a kind referred to in clause 17 (1) or 38 (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.

#### **18. Paper subdivision information**

There is no current paper subdivision, of which council is aware, in respect of this land according to Part 16C of the *Environmental Planning and Assessment Regulation 2000*.

#### **19. Site verification certificates**

There is no current site verification certificate, of which council is aware, in respect of the land according to Part 4AA of the *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

#### **20. Loose-fill asbestos insulation**

The residential dwelling erected on this land has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

This clause applies to residential premises (within the meaning of Division 1A of part 8 of the Home Building Act 1989) that are listed in the register that is required to be maintained under that Division.

Contact NSW Fair Trading for more information.

## **21 Affected building notices and building product rectification orders**

- 1) There is not an affected building notice of which the council is aware that is in force in respect of the land.
- 2) There is not a building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
- 3) There is not a notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.

In this clause:

***affected building notice*** has the same meaning as in Part 4 of the *Building Products (Safety) Act 2017*.

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

## **Additional matters under the Contaminated Land Management Act 1997**

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

- (a) the land to which the certificate relates is not significantly contaminated land within the meaning of that Act
- (b) the land to which the certificate relates is not subject to a management order within the meaning of that Act
- (c) the land to which the certificate relates is not the subject of an approved voluntary management proposal within the meaning of that Act
- (d) the land to which the certificate relates is not subject to an ongoing maintenance order within the meaning of that Act
- (e) the land to which the certificate relates is not the subject of a site audit statement

If contamination is identified above please contact the Environmental Protection Authority (EPA) for further information.

## **Planning Certificate – Part 5**

ePLC2021/4866

The following is information provided in good faith under the provisions of Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149) and lists relevant matters affecting the land of which Council is aware. The Council shall not incur any liability in respect of any such advice.

Persons relying on this certificate should read the environmental planning instruments referred to in this certificate.

## **Company Title Subdivision**

Clause 4.1 of the *Pittwater Local Environmental Plan 2014*, *Warringah Local Environmental Plan 2011* or *Manly Local Environmental Plan 2013* provides that land may not be subdivided except with the consent of the Council. This includes subdivision by way of company title schemes. Persons considering purchasing property in the Northern Beaches local government area the subject of a company title scheme are advised to check that the land has been subdivided with the consent of the Council.

## **District Planning**

Under the Greater Sydney Regional Plan – A Metropolis of Three Cities 2018, the Greater Sydney Commission sets a planning framework for a metropolis of three cities across Greater Sydney which reach across five Districts. Northern Beaches is located within the 'Eastern Harbour City' area and is in the North District which forms a large part of the Eastern Harbour City. The North District Plan sets out planning priorities and actions for the growth of the North District, including Northern Beaches. Northern Beaches Council's Local Strategic Planning Statement gives effect to the District Plan based on local characteristics and opportunities and Council's own priorities in the community. The Local Strategic Planning Statement came into effect on 26 March 2020.

## **Council Resolution To Amend Environmental Planning Instrument**

The following instrument or resolution of Council proposes to vary the provisions of an environmental planning instrument, other than as referred to in the Planning Certificate – Part 2:

Nil

## **Additional Information Applying To The Land**

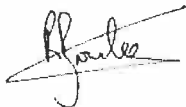
Additional information, if any, relating to the land the subject of this certificate:

Nil

## **General Information**

### **Tree Preservation and Management Order**

Tree preservation and Management order applies to the subject land



**Ray Brownlee PSM**  
**Chief Executive Officer**  
**21/06/2021**



## Northern Beaches Council Planning Certificate – Part 2&5

**Applicant:** InfoTrack  
GPO Box 4029  
SYDNEY NSW 2001

**Reference:** 421: Sale of Sirsi Marina (Leg  
**Date:** 22/06/2021  
**Certificate No.** ePLC2021/4914

**Address of Property:** 122 Crescent Road NEWPORT NSW 2106  
**Description of Property:** Lot 111 DP 556902

### Planning Certificate – Part 2

The following certificate is issued under the provisions of Section 10.7(2) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149). The information applicable to the land is accurate as at the above date.

#### 1. Relevant planning instruments and Development Control Plans

**1.1 The name of each environmental planning instrument that applies to the carrying out of development on the land:**

**1.1a) Local Environmental Plan**

Pittwater Local Environmental Plan 2014

**1.1b) State Environmental Planning Policies and Regional Environmental Plans**

State Environmental Planning Policy 19 – Bushland in Urban Areas  
State Environmental Planning Policy 21 – Caravan Parks  
State Environmental Planning Policy 33 – Hazardous and Offensive Development  
State Environmental Planning Policy 50 – Canal Estate Development  
State Environmental Planning Policy 55 – Remediation of Land  
State Environmental Planning Policy 64 – Advertising and Signage  
State Environmental Planning Policy 65 – Design Quality of Residential Apartment Development  
State Environmental Planning Policy No 70—Affordable Housing (Revised Schemes)  
State Environmental Planning Policy (Affordable Rental Housing) 2009  
State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004  
State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017  
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004  
State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

State Environmental Planning Policy (State and Regional Development) 2011

State Environmental Planning Policy (State Significant Precincts) 2005

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017

State Environmental Planning Policy (Primary Production and Rural Development) 2019

State Environmental Planning Policy (Koala Habitat Protection) 2019

Wholly Affected - State Environmental Planning Policy (Coastal Management) 2018

Sydney Regional Environmental Plan No 20-Hawkesbury-Nepean River (No 2-1997)

## **1.2 Draft Environmental Planning Instruments**

The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved):

### **1.2 a) Draft State Environmental Planning Policies**

Draft State Environmental Planning Policy (Environment)

Draft State Environmental Planning Policy (Short-term Rental Accommodation) 2019

Amendment to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

Draft Remediation of Land State Environmental Planning Policy (intended to replace State Environmental Planning Policy 55)

### **1.2 b) Draft Local Environmental Plans**

## **1.3 Development Control Plans**

The name of each development control plan that applies to the carrying out of development on the land:

Pittwater 21 Development Control Plan

## **2. Zoning and land use under relevant Local Environmental Plans**

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

### **2.1 Zoning and land use under relevant Local Environmental Plans**

#### **2.1 (a), (b), (c) & (d)**

The following information identifies the purposes for which development may be carried out with or without development consent and the purposes for which the carrying out of development is prohibited, for all zones (however described) affecting the land to which the relevant Local Environmental Plan applies.

#### **Zone E4 Environmental Living**

#### **2 Permitted without consent**

Home businesses; Home occupations

### **3 Permitted with consent**

Bed and breakfast accommodation; Boat sheds; Building identification signs; Business identification signs; Centre-based child care facilities; Community facilities; Dwelling houses; Environmental protection works; Group homes; Health consulting rooms; Home-based child care; Home industries; Jetties; Places of public worship; Respite day care centres; Roads; Secondary dwellings; Water recreation structures

### **4 Prohibited**

Industries; Service stations; Warehouse or distribution centres; Any other development not specified in item 2 or 3

### **Additional permitted uses**

Additional permitted uses, if any, for which development is permissible with development consent pursuant to Clause 2.5 and Schedule 1 of the relevant Local Environmental Plan:

#### **14 Use of certain land at 122 and 124 Crescent Road, Newport**

(1) This clause applies to land at 122 and 124 Crescent Road, Newport, being Lots 111 and 112, DP 556902 and identified as "Area 15" on the Additional Permitted Uses Map.

(2) Development for the purposes of a boat building and repair facility, a charter and tourism boating facility and a marina is permitted with development consent.

### **(e) Minimum land dimensions**

The *Pittwater Local Environmental Plan 2014* contains no development standard that fixes minimum land dimensions for the erection of a dwelling house on the land.

### **(f) Critical habitat**

The land does not include or comprise critical habitat.

### **(g) Conservation areas**

The land is not in a heritage conservation area.

### **(h) Item of environmental heritage**

The land does not contain an item of environmental heritage.

## **2.2 Draft Local Environmental Plan - if any**

For any proposed changes to zoning and land use, see Part 1.2 b)

Please contact Council's Strategic and Place Planning unit with enquiries on 1300 434 434.

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

The *State Environmental Planning Policy (Sydney Region Growth Centres) 2006* does not apply to the land.

### **3. Complying Development**

The extent to which the land is land on which complying development may or may not be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

#### **a) Housing Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3.1 Land to which code applies**

This code applies to development that is specified in clauses 3.2-3.5 on any lot in Zone R1, R2, R3, R4 or RU5 that:

- (a) has an area of at least 200m<sup>2</sup>, and
- (b) has a width, measured at the building line fronting a primary road, of at least 6m.

#### **b) Rural Housing Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

**Note:** Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3A.1 Land to which code applies**

This code applies to development that is specified in clauses 3A.2-3A.5 on lots in Zone RU1, RU2, RU3, RU4, RU6 and R5.

#### **c) Low Rise Housing Diversity Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

#### **d) Greenfield Housing Code**

Complying Development under the Greenfield Housing Code may not be carried out on all of the land.

#### **e) Housing Alterations Code**

Complying Development under the Housing Alterations Code may be carried out on all of the land.

#### **f) General Development Code**

Complying Development under the General Development Code may be carried out on all of the land.

#### **g) Commercial and Industrial Alterations Code**

Complying Development under the Commercial and Industrial Alterations Code may be carried out on all of the land.

#### **h) Commercial and Industrial (New Buildings and Additions) Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

##### **5A.1 Land to which code applies**

This code applies to development that is specified in clause 5A.2 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **i) Container Recycling Facilities Code**

Complying Development under the Container Recycling Facilities Code may be carried out on all of the land.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

##### **5B.2 Development to which code applies**

This code applies to development that is specified in clause 5B.3 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **j) Subdivisions Code**

Complying Development under the Subdivisions Code may be carried out on all of the land.

#### **k) Demolition Code**

Complying Development under the Demolition Code may be carried out on all of the land.

#### **l) Fire Safety Code**

Complying Development under the Fire Safety Code may be carried out on all of the land.

#### **m) Inland Code**

Complying Development under the Inland Code does not apply to the land.

**Note:** Pursuant to clause 3D.1 of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, the Inland Code only applies to 'inland local government areas'. Northern Beaches local government area is not defined as an 'inland local government area' by *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

### **4, 4A (Repealed)**

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

The owner of the land (or any previous owner) has not 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).

#### **5. Mine Subsidence**

The land has not been proclaimed to be a mine Subsidence (Mine Subsidence) district within the meaning of section 15 of the *Mine Subsidence (Mine Subsidence) Compensation Act, 1961*.

#### **6. Road widening and road realignment**

- (a) The land is not affected by a road widening or re-alignment proposal under Division 2 of Part 3 of the *Roads Act 1993*.
- (b) The land is not affected by a road widening or re-alignment proposal under an environmental planning instrument.
- (c) The land is not affected by a road widening or re-alignment proposal under a resolution of Council.

#### **7. Council and other public authority policies on hazard risk restriction**

- (a) Council has adopted a number of policies with regard to various hazards or risks which may restrict development on this land. The identified hazard or risk and the respective Council policies which affect the property, if any, are listed below (other than flooding – see 7A):

##### **Geotechnical Risk (Landslide Hazard)**

The Council has adopted by resolution, on 20.07.2009, a policy that has the effect of restricting development of the land (subject to satisfying the policy) because of the potential impact from geotechnical hazards. The policy is entitled "Geotechnical Risk Management Policy for Pittwater - 2009". A copy of the current policy can be obtained from Council.

##### **Estuarine Flood Hazard/Risk**

On the information available to Council, the land in question is affected by estuarine processes. This land has been identified in Council's Estuarine Risk Management Policy for Development in Pittwater and Pittwater 21 Development Control Plan as having a future exposure to tidal inundation and erosion caused by tidal waters. The Estuarine Risk Management Policy for Development in Pittwater is based on a study adopted by Council on 6 October 2015 and reflects information available at the time. Contact Council for more information.

- (b) The following information applies to any policy as 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 a planning certificate issued by the Council. The identified hazard or risk and the respective Policy which affect the property, if any, are listed below:

Nil

## **7A. Flood related development control Information**

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

## **8. Land reserved for acquisition**

Environmental planning instrument referred to in Clause 1 does not make provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

## **9. Contribution plans**

The following applies to the land:

Northern Beaches Section 7.12 Contributions Plan 2019

## **9A. Biodiversity certified land**

The land is not biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016* (includes land certified under Part 7AA of the repealed *Threatened Species Conservation Act 1995*).

## **10. Biodiversity Stewardship Sites**

The Council has not been notified by the Chief Executive of the Office of Environment and Heritage that the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016* (includes land to which a biobanking agreement under Part 7A of the repealed *Threatened Species Conservation Act 1995* relates).

## **10A. Native vegetation clearing set asides**

Council has not been notified by Local Land Services of the existence of a set aside area under section 60ZC of the *Local Land Services Act 2013*.

## **11. Bush fire prone land**

**Bush Fire Prone Land**

The land is not bush fire prone land.

## **12. Property vegetation plans**

The Council has not been notified that the land is land to which a vegetation plan under the *Native Vegetation Act 2003* applies.

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

Council has not been notified of the existence of an order made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

#### **14. Directions under Part 3A**

There is not 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.

#### **15. Site compatibility certificates and conditions for seniors housing**

- (a) There is not a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land.
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There is not a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the council is aware, in respect of proposed development on the land.

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- (a) There is not a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land.
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#### **18. Paper subdivision information**

There is no current paper subdivision, of which council is aware, in respect of this land according to Part 16C of the *Environmental Planning and Assessment Regulation 2000*.

#### **19. Site verification certificates**

There is no current site verification certificate, of which council is aware, in respect of the land according to Part 4AA of the *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

#### **20. Loose-fill asbestos insulation**



The residential dwelling erected on this land has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

This clause applies to residential premises (within the meaning of Division 1A of part 8 of the Home Building Act 1989) that are listed in the register that is required to be maintained under that Division.

Contact NSW Fair Trading for more information.

## **21 Affected building notices and building product rectification orders**

- 1) There is not an affected building notice of which the council is aware that is in force in respect of the land.
- 2) There is not a building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
- 3) There is not a notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.

In this clause:

***affected building notice*** has the same meaning as in Part 4 of the *Building Products (Safety) Act 2017*.

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

## **Additional matters under the Contaminated Land Management Act 1997**

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

- (a) the land to which the certificate relates is not significantly contaminated land within the meaning of that Act
- (b) the land to which the certificate relates is not subject to a management order within the meaning of that Act
- (c) the land to which the certificate relates is not the subject of an approved voluntary management proposal within the meaning of that Act
- (d) the land to which the certificate relates is not subject to an ongoing maintenance order within the meaning of that Act
- (e) the land to which the certificate relates is not the subject of a site audit statement

If contamination is identified above please contact the Environmental Protection Authority (EPA) for further information.

## **Planning Certificate – Part 5**

ePLC2021/4914

The following is information provided in good faith under the provisions of Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149) and lists relevant matters affecting the land of which Council is aware. The Council shall not incur any liability in respect of any such advice.

Persons relying on this certificate should read the environmental planning instruments referred to in this certificate.

### **Company Title Subdivision**

Clause 4.1 of the *Pittwater Local Environmental Plan 2014*, *Warringah Local Environmental Plan 2011* or *Manly Local Environmental Plan 2013* provides that land may not be subdivided except with the consent of the Council. This includes subdivision by way of company title schemes. Persons considering purchasing property in the Northern Beaches local government area the subject of a company title scheme are advised to check that the land has been subdivided with the consent of the Council.

### **District Planning**

Under the Greater Sydney Regional Plan – A Metropolis of Three Cities 2018, the Greater Sydney Commission sets a planning framework for a metropolis of three cities across Greater Sydney which reach across five Districts. Northern Beaches is located within the 'Eastern Harbour City' area and is in the North District which forms a large part of the Eastern Harbour City. The North District Plan sets out planning priorities and actions for the growth of the North District, including Northern Beaches. Northern Beaches Council's Local Strategic Planning Statement gives effect to the District Plan based on local characteristics and opportunities and Council's own priorities in the community. The Local Strategic Planning Statement came into effect on 26 March 2020.

### **Council Resolution To Amend Environmental Planning Instrument**

The following instrument or resolution of Council proposes to vary the provisions of an environmental planning instrument, other than as referred to in the Planning Certificate – Part 2:

Nil

### **Additional Information Applying To The Land**

Additional information, if any, relating to the land the subject of this certificate:

Nil

### **General Information**

#### **Tree Preservation and Management Order**

Tree preservation and Management order applies to the subject land



**Ray Brownlee PSM**  
**Chief Executive Officer**

22/06/2021

## Northern Beaches Council Planning Certificate – Part 2&5

**Applicant:** InfoTrack  
GPO Box 4029  
SYDNEY NSW 2001

**Reference:** 421: Sale of Sirsi Marina (Leg  
**Date:** 21/06/2021  
**Certificate No.** ePLC2021/4867

**Address of Property:** 122 Crescent Road NEWPORT NSW 2106  
**Description of Property:** Lot 112 DP 556902

### Planning Certificate – Part 2

The following certificate is issued under the provisions of Section 10.7(2) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149). The information applicable to the land is accurate as at the above date.

#### **1. Relevant planning instruments and Development Control Plans**

**1.1 The name of each environmental planning instrument that applies to the carrying out of development on the land:**

##### **1.1a) Local Environmental Plan**

Pittwater Local Environmental Plan 2014

##### **1.1b) State Environmental Planning Policies and Regional Environmental Plans**

State Environmental Planning Policy 19 – Bushland in Urban Areas  
State Environmental Planning Policy 21 – Caravan Parks  
State Environmental Planning Policy 33 – Hazardous and Offensive Development  
State Environmental Planning Policy 50 – Canal Estate Development  
State Environmental Planning Policy 55 – Remediation of Land  
State Environmental Planning Policy 64 – Advertising and Signage  
State Environmental Planning Policy 65 – Design Quality of Residential Apartment Development  
State Environmental Planning Policy No 70—Affordable Housing (Revised Schemes)  
State Environmental Planning Policy (Affordable Rental Housing) 2009  
State Environmental Planning Policy (Building Sustainability Index: BASiX) 2004  
State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017  
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008  
State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004  
State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

State Environmental Planning Policy (State and Regional Development) 2011

State Environmental Planning Policy (State Significant Precincts) 2005

State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017

State Environmental Planning Policy (Primary Production and Rural Development) 2019

State Environmental Planning Policy (Koala Habitat Protection) 2019

Wholly Affected - State Environmental Planning Policy (Coastal Management) 2018

Sydney Regional Environmental Plan No 20-Hawkesbury-Nepean River (No 2-1997)

## **1.2 Draft Environmental Planning Instruments**

The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been subject of community consultation or on public exhibition under the Act (unless the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved):

### **1.2 a) Draft State Environmental Planning Policies**

Draft State Environmental Planning Policy (Environment)

Draft State Environmental Planning Policy (Short-term Rental Accommodation) 2019

Amendment to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

Draft Remediation of Land State Environmental Planning Policy (intended to replace State Environmental Planning Policy 55)

### **1.2 b) Draft Local Environmental Plans**

## **1.3 Development Control Plans**

The name of each development control plan that applies to the carrying out of development on the land:

Pittwater 21 Development Control Plan

## **2. Zoning and land use under relevant Local Environmental Plans**

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

### **2.1 Zoning and land use under relevant Local Environmental Plans**

#### **2.1 (a), (b), (c) & (d)**

The following information identifies the purposes for which development may be carried out with or without development consent and the purposes for which the carrying out of development is prohibited, for all zones (however described) affecting the land to which the relevant Local Environmental Plan applies.

#### **Zone E4 Environmental Living**

#### **2 Permitted without consent**

Home businesses; Home occupations

### **3 Permitted with consent**

Bed and breakfast accommodation; Boat sheds; Building identification signs; Business identification signs; Centre-based child care facilities; Community facilities; Dwelling houses; Environmental protection works; Group homes; Health consulting rooms; Home-based child care; Home industries; Jetties; Places of public worship; Respite day care centres; Roads; Secondary dwellings; Water recreation structures

### **4 Prohibited**

Industries; Service stations; Warehouse or distribution centres; Any other development not specified in item 2 or 3

### **Additional permitted uses**

Additional permitted uses, if any, for which development is permissible with development consent pursuant to Clause 2.5 and Schedule 1 of the relevant Local Environmental Plan:

#### **14 Use of certain land at 122 and 124 Crescent Road, Newport**

(1) This clause applies to land at 122 and 124 Crescent Road, Newport, being Lots 111 and 112, DP 556902 and identified as "Area 15" on the Additional Permitted Uses Map.

(2) Development for the purposes of a boat building and repair facility, a charter and tourism boating facility and a marina is permitted with development consent.

### **(e) Minimum land dimensions**

The *Pittwater Local Environmental Plan 2014* contains no development standard that fixes minimum land dimensions for the erection of a dwelling house on the land.

### **(f) Critical habitat**

The land does not include or comprise critical habitat.

### **(g) Conservation areas**

The land is not in a heritage conservation area.

### **(h) Item of environmental heritage**

The land does not contain an item of environmental heritage.

## **2.2 Draft Local Environmental Plan - if any**

For any proposed changes to zoning and land use, see Part 1.2 b)

Please contact Council's Strategic and Place Planning unit with enquiries on 1300 434 434.

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

The *State Environmental Planning Policy (Sydney Region Growth Centres) 2006* does not apply to the land.

### **3. Complying Development**

The extent to which the land is land on which complying development may or may not be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18 (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

#### **a) Housing Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

*Note:* Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3.1 Land to which code applies**

This code applies to development that is specified in clauses 3.2-3.5 on any lot in Zone R1, R2, R3, R4 or RU5 that:

- (a) has an area of at least 200m<sup>2</sup>, and
- (b) has a width, measured at the building line fronting a primary road, of at least 6m.

#### **b) Rural Housing Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

*Note:* Further zone based limitations may apply. See *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* clause:

##### **3A.1 Land to which code applies**

This code applies to development that is specified in clauses 3A.2-3A.5 on lots in Zone RU1, RU2, RU3, RU4, RU6 and R5.

#### **c) Low Rise Housing Diversity Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

#### **d) Greenfield Housing Code**

Complying Development under the Greenfield Housing Code may not be carried out on all of the land.

#### **e) Housing Alterations Code**

Complying Development under the Housing Alterations Code may be carried out on all of the land.

#### **f) General Development Code**

Complying Development under the General Development Code may be carried out on all of the land.

#### **g) Commercial and Industrial Alterations Code**

Complying Development under the Commercial and Industrial Alterations Code may be carried out on all of the land.

#### **h) Commercial and Industrial (New Buildings and Additions) Code**

##### **Foreshore Building Line Map**

For the purposes of clause 1.19 (1) (g) and (5) (h), complying development may not be carried out on that part of the land within the foreshore area under Pittwater Local Environmental Plan 2014 as identified on the Foreshore Building Line Map.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

##### **5A.1 Land to which code applies**

This code applies to development that is specified in clause 5A.2 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **i) Container Recycling Facilities Code**

Complying Development under the Container Recycling Facilities Code may be carried out on all of the land.

*Note: Further zone based limitations may apply. See State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 clause:*

##### **5B.2 Development to which code applies**

This code applies to development that is specified in clause 5B.3 on any lot in Zone B1, B2, B3, B4, B5, B6, B7, B8, IN1, IN2, IN3, IN4 or SP3.

#### **j) Subdivisions Code**

Complying Development under the Subdivisions Code may be carried out on all of the land.

#### **k) Demolition Code**

Complying Development under the Demolition Code may be carried out on all of the land.

#### **l) Fire Safety Code**

Complying Development under the Fire Safety Code may be carried out on all of the land.

#### **m) Inland Code**

Complying Development under the Inland Code does not apply to the land.

**Note:** Pursuant to clause 3D.1 of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*, the Inland Code only applies to 'inland local government areas'.

Northern Beaches local government area is not defined as an 'inland local government area' by *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

### **4, 4A (Repealed)**



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

The owner of the land (or any previous owner) has not 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).

#### **5. Mine Subsidence**

The land has not been proclaimed to be a mine Subsidence (Mine Subsidence) district within the meaning of section 15 of the *Mine Subsidence (Mine Subsidence) Compensation Act, 1961*.

#### **6. Road widening and road realignment**

- (a) The land is not affected by a road widening or re-alignment proposal under Division 2 of Part 3 of the *Roads Act 1993*.
- (b) The land is not affected by a road widening or re-alignment proposal under an environmental planning instrument.
- (c) The land is not affected by a road widening or re-alignment proposal under a resolution of Council.

#### **7. Council and other public authority policies on hazard risk restriction**

- (a) Council has adopted a number of policies with regard to various hazards or risks which may restrict development on this land. The identified hazard or risk and the respective Council policies which affect the property, if any, are listed below (other than flooding – see 7A):

##### **Geotechnical Risk (Landslide Hazard)**

The Council has adopted by resolution, on 20.07.2009, a policy that has the effect of restricting development of the land (subject to satisfying the policy) because of the potential impact from geotechnical hazards. The policy is entitled "Geotechnical Risk Management Policy for Pittwater - 2009". A copy of the current policy can be obtained from Council.

##### **Estuarine Flood Hazard/Risk**

On the information available to Council, the land in question is affected by estuarine processes. This land has been identified in Council's Estuarine Risk Management Policy for Development in Pittwater and Pittwater 21 Development Control Plan as having a current exposure to tidal inundation and erosion caused by tidal waters. The Estuarine Risk Management Policy for Development in Pittwater is based on a study adopted by Council on 6 October 2015 and reflects information available at the time. Contact Council for more information.

- (b) The following information applies to any policy as 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 a planning certificate issued by the Council. The identified hazard or risk and the respective Policy which affect the property, if any, are listed below:

Nil

## **7A. Flood related development control Information**

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

## **8. Land reserved for acquisition**

Environmental planning instrument referred to in Clause 1 does not make provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

## **9. Contribution plans**

The following applies to the land:

**Northern Beaches Section 7.12 Contributions Plan 2019**

## **9A. Biodiversity certified land**

The land is not biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016* (includes land certified under Part 7AA of the repealed *Threatened Species Conservation Act 1995*).

## **10. Biodiversity Stewardship Sites**

The Council has not been notified by the Chief Executive of the Office of Environment and Heritage that the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016* (includes land to which a biobanking agreement under Part 7A of the repealed *Threatened Species Conservation Act 1995* relates).

## **10A. Native vegetation clearing set asides**

Council has not been notified by Local Land Services of the existence of a set aside area under section 60ZC of the *Local Land Services Act 2013*.

## **11. Bush fire prone land**

**Bush Fire Prone Land**

The land is not bush fire prone land.

## **12. Property vegetation plans**

The Council has not been notified that the land is land to which a vegetation plan under the *Native Vegetation Act 2003* applies.

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

Council has not been notified of the existence of an order made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land.

#### **14. Directions under Part 3A**

There is not 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.

#### **15. Site compatibility certificates and conditions for seniors housing**

- (a) There is not a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land.
- (b) No condition of consent applies to the property that limits the kind of people who may occupy the premises/ development. This refers only to consents granted after 11 October 2007 with conditions made in accordance with clause 18(2) of *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004*.

#### **16. Site compatibility certificates for infrastructure, schools or TAFE establishments**

There is not a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the council is aware, in respect of proposed development on the land.

#### **17. Site compatibility certificate and conditions for affordable rental housing**

- (a) There is not a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land.
- (b) There are not terms of a kind referred to in clause 17 (1) or 38 (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.

#### **18. Paper subdivision information**

There is no current paper subdivision, of which council is aware, in respect of this land according to Part 16C of the *Environmental Planning and Assessment Regulation 2000*.

#### **19. Site verification certificates**

There is no current site verification certificate, of which council is aware, in respect of the land according to Part 4AA of the *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

#### **20. Loose-fill asbestos insulation**

The residential dwelling erected on this land has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

This clause applies to residential premises (within the meaning of Division 1A of part 8 of the Home Building Act 1989) that are listed in the register that is required to be maintained under that Division.

Contact NSW Fair Trading for more information.

## **21 Affected building notices and building product rectification orders**

- 1) There is not an affected building notice of which the council is aware that is in force in respect of the land.
- 2) There is not a building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
- 3) There is not a notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.

In this clause:

***affected building notice*** has the same meaning as in Part 4 of the *Building Products (Safety) Act 2017*.

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

## **Additional matters under the Contaminated Land Management Act 1997**

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

- (a) the land to which the certificate relates is not significantly contaminated land within the meaning of that Act
- (b) the land to which the certificate relates is not subject to a management order within the meaning of that Act
- (c) the land to which the certificate relates is not the subject of an approved voluntary management proposal within the meaning of that Act
- (d) the land to which the certificate relates is not subject to an ongoing maintenance order within the meaning of that Act
- (e) the land to which the certificate relates is not the subject of a site audit statement

If contamination is identified above please contact the Environmental Protection Authority (EPA) for further information.

## **Planning Certificate – Part 5**

ePLC2021/4867

The following is information provided in good faith under the provisions of Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* (as amended – formerly Section 149) and lists relevant matters affecting the land of which Council is aware. The Council shall not incur any liability in respect of any such advice.

Persons relying on this certificate should read the environmental planning instruments referred to in this certificate.

### **Company Title Subdivision**

Clause 4.1 of the *Pittwater Local Environmental Plan 2014*, *Warringah Local Environmental Plan 2011* or *Manly Local Environmental Plan 2013* provides that land may not be subdivided except with the consent of the Council. This includes subdivision by way of company title schemes. Persons considering purchasing property in the Northern Beaches local government area the subject of a company title scheme are advised to check that the land has been subdivided with the consent of the Council.

### **District Planning**

Under the Greater Sydney Regional Plan – A Metropolis of Three Cities 2018, the Greater Sydney Commission sets a planning framework for a metropolis of three cities across Greater Sydney which reach across five Districts. Northern Beaches is located within the 'Eastern Harbour City' area and is in the North District which forms a large part of the Eastern Harbour City. The North District Plan sets out planning priorities and actions for the growth of the North District, including Northern Beaches. Northern Beaches Council's Local Strategic Planning Statement gives effect to the District Plan based on local characteristics and opportunities and Council's own priorities in the community. The Local Strategic Planning Statement came into effect on 26 March 2020.

### **Council Resolution To Amend Environmental Planning Instrument**

The following instrument or resolution of Council proposes to vary the provisions of an environmental planning instrument, other than as referred to in the Planning Certificate – Part 2:

Nil

### **Additional Information Applying To The Land**

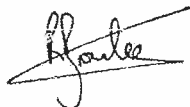
Additional information, if any, relating to the land the subject of this certificate:

Nil

### **General Information**

#### **Tree Preservation and Management Order**

Tree preservation and Management order applies to the subject land



**Ray Brownlee PSM**  
**Chief Executive Officer**

21/06/2021

SafeWork NSW: 00751630 –Site Search application – Result not found [ ref:\_00D281hl6J.\_5004a9SRkx:ref ]

Licensing <licensing@safework.nsw.gov.au>

Fri 30/09/2022 3:00 PM

To: Sagar Koirala <sagar@aargus.net>

**Security Classification: Sensitive Personal**  
**Please do not amend the subject line of this email**

Dear Sagar

**Re: Site Search for Schedule 11 Hazardous Chemicals on premises Application – Result not found**

I refer to your application for a Site Search for Schedule 11 Hazardous Chemicals on premises, received by SafeWork NSW on 19/09/2022 for the following site: 55-57 The Avenue, NEWPORT NSW 2106

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

If you have any further information or if you have any questions, please use one of the following options, quoting the SafeWork NSW enquiry reference number: 00751630

- Email: [licensing@safework.nsw.gov.au](mailto:licensing@safework.nsw.gov.au)
- Phone: 13 10 50

Kind regards

**Danielle Wilson-Thomas**  
**Licensing Representative**

SafeWork NSW | Better Regulation Division

Department of Customer Service

p- 13 10 50

e- [licensing@safework.nsw.gov.au](mailto:licensing@safework.nsw.gov.au) | [www.customerservice.nsw.gov.au](http://www.customerservice.nsw.gov.au)

Level 3, 32 Mann Street, Gosford, NSW 2250

We are always looking for ways that we can improve our services. You may be contacted by email in the next few weeks to complete a short survey and provide us with your feedback on what we did well and where we can improve. If you do not wish to participate in our surveys, please email us at: [licensingQA@customerservice.nsw.gov.au](mailto:licensingQA@customerservice.nsw.gov.au) and we will ensure that you are not contacted.

ref:\_00D281hl6J.\_5004a9SRkx:ref

# **APPENDIX H**

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## **GROUNDWATER BORE SEARCH**





# WaterNSW

## Work Summary

GW018908

Licence: 10WA108106

Licence Status: CURRENT

Authorised Purpose(s): WASTE DISPOSAL

Intended Purpose(s): WASTE DISPOSAL

Work Type: Bore open thru rock

Work Status: Supply Obtained

Construct.Method: Cable Tool

Owner Type: Private

Commenced Date:

Completion Date: 01/11/1960

Final Depth: 46.00 m

Drilled Depth: 46.00 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property: N/A NSW

GWMA: 603 - SYDNEY BASIN

GW Zone: -

Standing Water Level (m):

Salinity Description: Salty

Yield (L/s):

### Site Details

Site Chosen By:

County

Form A: CUMBERLAND

Licensed: CUMBERLAND

Parish

NARRABEEN

NARRABEEN

Cadastre

17

Whole Lot 13//752046

Region: 10 - Sydney South Coast

CMA Map: 9130-1S

River Basin: 212 - HAWKESBURY RIVER

Grid Zone:

Area/District:

Scale:

Elevation: 0.00 m (A.H.D.)

Elevation Source: (Unknown)

Northing: 6274278.000

Easting: 343174.000

Latitude: 33°39'35.4"S

Longitude: 151°18'31.0"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,PR. MAP

### Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Casing		0.00	10.60	152			

### Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
3.30	5.70	2.40	Consolidated						
10.60	11.20	0.60	Consolidated	10.00					
43.20	43.80	0.60	Unconsolidated	30.40					

### Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments

0.00	2.74	2.74	Clay	Clay	
2.74	8.53	5.79	Sandstone Water Supply	Sandstone	
8.53	10.66	2.13	Shale Grey	Shale	
10.66	24.38	13.72	Sandstone White Water Supply	Sandstone	
24.38	43.28	18.90	Sandstone White	Sandstone	
43.28	43.89	0.61	Gravel Water Supply	Gravel	
43.89	45.72	1.83	Sandstone White	Sandstone	
45.72	46.02	0.30	Shale	Shale	
24.38	43.28	18.90	Shale Grey Streaks	Shale	

Remarks

07/08/1974: RECHARGE TEST CAPACITY 0.379 L/S  
24/11/1981: CNR KALINYA ST & QUEENS PDE NEWPORT

\*\*\* End of GW018908 \*\*\*

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

# WaterNSW

## Work Summary

GW019148

Licence: 10WA108107	Licence Status: CURRENT
Authorised Purpose(s): WASTE DISPOSAL Intended Purpose(s): WASTE DISPOSAL	
Work Type: Bore open thru rock	
Work Status:	
Construct.Method: Cable Tool	
Owner Type: Private	
Commenced Date:	Final Depth: 60.90 m
Completion Date: 01/01/1961	Drilled Depth: 61.00 m
Contractor Name: (None)	
Driller:	
Assistant Driller:	
Property: N/A NSW	Standing Water Level (m):
GWMA: 603 - SYDNEY BASIN	Salinity Description:
GW Zone: -	Yield (L/s):

### Site Details

Site Chosen By:	County	Parish	Cadastre
	Form A: CUMBERLAND	NARRABEEN	17
	Licensed: CUMBERLAND	NARRABEEN	Whole Lot 13//752046
Region: 10 - Sydney South Coast	CMA Map: 9130-1S		
River Basin: 212 - HAWKESBURY RIVER	Grid Zone:	Scale:	
Area/District:			
Elevation: 0.00 m (A.H.D.)	Northing: 6274200.000	Latitude: 33°39'37.9"S	
Elevation Source: (Unknown)	Easting: 343174.000	Longitude: 151°18'30.9"E	
GS Map: -	MGA Zone: 56	Coordinate Source: GD.,PR. MAP	

### Construction

Negative depths indicate Above Ground Level; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity; PL-Placement of Gravel Pack; PC-Pressure Cemented; S-Sump; CE-Centralisers

Hole	Pipe	Component	Type	From (m)	To (m)	Outside Diameter (mm)	Inside Diameter (mm)	Interval	Details
1	1	Casing		0.00	50.40	127			

### Water Bearing Zones

From (m)	To (m)	Thickness (m)	WBZ Type	S.W.L. (m)	D.D.L. (m)	Yield (L/s)	Hole Depth (m)	Duration (hr)	Salinity (mg/L)
50.20	53.20	3.00	(Unknown)	24.30					

### Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	2.74	2.74	Soil Made Ground	Soil	
2.74	8.53	5.79	Sandstone White	Sandstone	

8.53	27.43	18.90	Shale Grey	Shale	
27.43	35.35	7.92	Rock Red	Rock	
35.35	48.76	13.41	Shale Grey	Shale	
48.76	50.29	1.53	Basalt	Basalt	
50.29	53.34	3.05	Shale Sandy	Shale	
53.34	53.94	0.60	Shale Black Hard Slaty	Shale	
53.94	54.55	0.61	Basalt	Basalt	
54.55	60.96	6.41	Shale Sandy Hard Bands	Shale	
50.29	53.34	3.05	Sandstone Water Supply	Sandstone	

Remarks

24/11/1981: LOT 13 QUEENS PARADE NEWPORT

\*\*\* End of GW019148 \*\*\*

Warning To Clients: This raw data has been supplied to the WaterNSW by drillers, licensees and other sources. WaterNSW does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.

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### Daily River Reports

[+ Daily River ...](#)

### Dams

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### Groundwater (Telemetered data)

[favourites](#)[search](#)[download sites](#)[find a site](#)[+ Real Time ...](#)

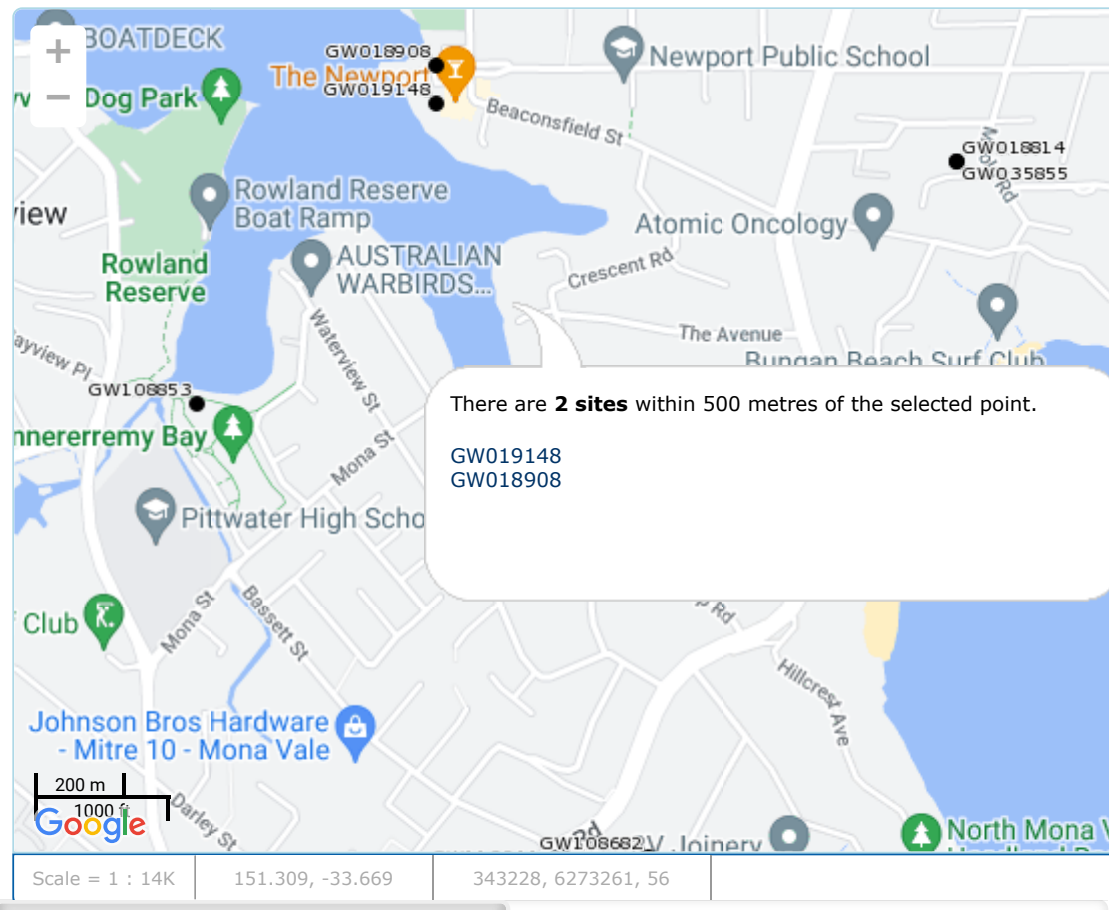
### All Groundwater Site details

All Groundwater Site Details

## ALL GROUNDWATER MAP

[bookmark this page](#)

All data times are Eastern Standard Time

[Map](#) [Info](#)



# APPENDIX I

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## LOCAL METEOROLOGY



# Monthly Rainfall (millimetres)

## MONA VALE GOLF CLUB

Station Number: 066141 · State: NSW · Opened: 1969 · Status: Open · Latitude: 33.68°S · Longitude: 151.31°E · Elevation: 10 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1969		172.5	62.5	150.2	49.7	217.0	18.5	145.8	129.7	62.2	266.7	14.0	
1970	158.1	25.3	111.0	36.6	18.5	29.9	1.5	19.3	264.2	22.1	51.6	251.7	989.8
1971	127.0	236.1	133.3							0.0			
1972	345.3	110.7	198.1	59.7	86.6	86.9	4.8	73.2	26.9	158.2	47.5	20.3	1218.2
1973	200.9	231.4	50.8	95.2	16.5	52.1	98.3	73.2	71.1	138.9	75.4	32.3	1136.1
1974	173.8	76.4	261.6	110.2	214.6	176.9	7.2	123.8	15.6	56.8	69.2	23.8	1309.9
1975	28.6	148.3	257.0	125.8	8.2	243.4	50.2	40.1	59.6	60.8	40.7	8.4	1071.1
1976	244.4	142.0	280.4	59.8	58.0	114.2	136.9	55.0	89.0	162.4		7.6	
1977	100.8	143.0	215.8	43.6	103.0	97.8	9.6	13.2	55.2	13.4	44.4	24.4	864.2
1978	261.4	12.2	262.9	79.6	88.6	166.5	4.6	33.4	86.0	58.2	99.0	43.6	1196.0
1979	78.2	1.4	57.2	27.0	35.8	223.2	29.4	7.5	37.4	30.5	68.7	17.6	613.9
1980	59.0	72.0	33.8	9.6	116.6	109.0	41.5	11.6	2.4	77.6	0.0	92.3	625.4
1981	46.2	140.2	11.4	98.2	77.0	68.0	25.2		0.0	178.3	183.4	70.2	
1982	88.3		207.4		28.2	94.2	114.6						
1983	22.6	18.4	218.2	205.8	199.9	106.4	24.8	87.6	56.8	167.0	27.4	128.8	1263.7
1984	174.6	77.8		114.0	82.2	53.4	162.6	4.0	27.2	51.6	238.0	83.0	
1985	8.4	51.6	58.2	263.6	96.3	44.6	100.6	41.8	65.0	148.6	67.0	84.2	1029.9
1986	184.0	208.8	32.4	27.6	80.1	7.2	27.0	253.1	40.0	51.6	123.7	15.4	1050.9
1987	31.2	25.8	110.6	54.4	63.0	82.9	55.4	241.4	8.8	270.5	198.0	59.6	1201.6
1988	279.6	117.6	66.2	496.8	89.6	229.6	134.8	54.6	137.5	0.0	112.0	102.2	1820.5
1989	259.0	83.6	171.2	397.8	158.2	325.7	11.6	49.9	0.0	31.4	32.8	124.2	1645.4
1990	73.2	593.8	122.7	332.4	140.3	33.7	82.6	145.9	94.6	24.4	19.0	49.4	1712.0
1991	106.2	40.4	50.4	13.6	142.4	260.2	92.8	1.6	9.8	8.4	52.0	139.8	917.6
1992	54.8	348.8	22.8	120.0	58.2	95.0	5.0	44.1	11.6	64.9	101.2	155.0	1081.4
1993	61.7	51.6	82.7	28.6	13.5	49.4	102.0	81.2	63.2	87.1	59.1	56.4	736.5
1994	31.5	148.2	128.8	71.8	29.8	87.9	66.5	15.6	12.8	53.0	60.6	54.2	760.7
1995	89.7	49.7	164.5	42.8	200.0	124.2	1.8	1.6	167.8	24.6	119.6	77.4	1063.7
1996	103.8	47.2	34.6	32.7	149.8	179.2	49.0	132.8	145.8	18.4	54.6	27.8	975.7
1997	107.0	173.8	15.6	20.6	176.0	119.0	157.4	31.0	108.4	54.2	26.6	48.2	1037.8
1998	104.6	23.0	28.2	248.4	268.7	99.2	103.8	535.6	31.8	41.8	101.4	63.8	1650.3
1999	88.0	189.0	50.0	230.0			116.0		33.0			65.0	
2000	81.2	59.2		45.0	75.0	48.8	50.0	38.2	41.2		136.0	53.4	
2001	107.1	102.2	110.7	125.6	329.4	16.0	162.0	75.2	27.0	33.4		51.0	
2002		336.9	76.8	23.4	77.4		35.6	56.2	45.2	12.6	31.0	104.0	
2003	5.2	99.8		215.9	297.4	29.6	80.6	43.8	3.0	104.4	97.8	37.4	
2004	62.6	126.7	61.2	33.1	3.6	11.5	51.5			164.6	54.3	63.4	
2005	68.1	140.6	90.3	32.8	36.2	42.2	85.5	0.0		54.0		29.1	
2006	150.0	54.2		13.4	83.5	258.0	120.0	78.5	115.5	22.0	63.0		
2007	34.0	0.0	98.0	173.0	39.0	314.0	38.0	64.0	25.0	16.0	128.0	130.0	1059.0
2008	48.0	247.0	25.0	116.0	4.0	128.0	67.0	54.0	69.0	72.0	57.0	48.0	935.0
2009	13.0		7.2	88.2	150.0	145.4	64.6	5.6	11.2	116.2	15.2	89.8	
2010	37.6	235.8	88.4	35.4	200.0	143.0	67.0	47.6	41.4	86.6	183.0	121.0	1286.8
2011	44.4	26.4	290.2	207.8	115.0	74.4	287.6	72.2	137.6	52.0	181.4	96.8	1585.8
2012	147.2	240.4	199.2	201.8	57.4	205.6	33.2	18.6	22.2	19.0	49.0	44.6	1238.2
2013	222.0	150.4	108.2	178.4	81.2	315.2	27.0	17.4	61.2	67.2	205.6	30.0	1463.8
2014	26.4	88.0	27.2				8.8	204.6	82.2	58.6	32.0	110.8	
2015	79.8			121.8	75.4	15.4	43.0		54.8	42.6	175.2	104.6	
2016	348.6							76.4	94.6	36.8	45.0	111.4	

Quality control: 12.3 Done & acceptable, 12.3 Not completed or unknown



## Monthly Rainfall (millimetres)

### MONA VALE GOLF CLUB

Station Number: 066141 · State: NSW · Opened: 1969 · Status: Open · Latitude: 33.68°S · Longitude: 151.31°E · Elevation: 10 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>2017</b>	20.6	309.8	322.6	85.8	85.4	154.4	9.6	25.6	1.6	54.8	77.4	55.6	1203.2
<b>2018</b>	42.6	85.6	170.0	50.0	33.0	170.6	5.4	3.8	62.6	226.8	128.8	99.4	1078.6
<b>2019</b>	51.8	38.4	329.8	39.8	25.2	145.6	31.2	152.2	114.0	72.4	39.8	1.2	1041.4
<b>2020</b>	103.4	72.6	117.8	40.4	141.4	72.0	145.6	49.4	51.2	106.0	68.4	176.4	1144.6
<b>2021</b>	101.4	116.2	426.4	16.0	60.2	114.6	39.0	66.8	78.0	63.8	203.4	99.8	1385.6
<b>2022</b>	90.6	320.8	576.6	261.6	172.2	29.0	285.6						

Quality control: 12.3 Done & acceptable, 12.3 Not completed or unknown



## Monthly Rainfall (millimetres)

### MONA VALE GOLF CLUB

Station Number: 066141 · State: NSW · Opened: 1969 · Status: Open · Latitude: 33.68°S · Longitude: 151.31°E · Elevation: 10 m

#### Statistics for this station calculated over all years of data

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>Mean</b>	107.3	132.2	138.0	114.0	99.8	122.7	68.7	73.8	61.0	72.0	91.7	72.0	1154.1
<b>Lowest</b>	5.2	0.0	7.2	9.6	3.6	7.2	1.5	0.0	0.0	0.0	0.0	1.2	613.9
<b>5th percentile</b>	17.2	15.0	18.1	14.7	10.6	15.6	4.7	2.3	1.9	10.3	21.3	10.9	703.2
<b>10th percentile</b>	26.6	25.1	26.5	23.1	18.3	29.5	5.6	5.0	7.6	15.7	29.6	17.4	802.1
<b>Median</b>	88.2	106.4	109.4	82.7	81.7	106.4	50.1	49.9	54.8	55.8	68.4	61.5	1081.4
<b>90th percentile</b>	242.2	253.3	283.3	249.7	200.0	246.3	144.7	148.4	131.3	162.6	189.2	128.9	1621.6
<b>95th percentile</b>	269.6	329.7	327.3	301.4	244.4	292.5	162.3	230.4	142.5	173.2	204.9	148.2	1668.8
<b>Highest</b>	348.6	593.8	576.6	496.8	329.4	325.7	287.6	535.6	264.2	270.5	266.7	251.7	1820.5

#### Statistics calculated over the period 1961-1990

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>Mean</b>	140.2	128.0	139.2	139.4	86.2	122.0	54.4	77.6	63.4	84.0	92.9	62.7	1171.8
<b>Lowest</b>	8.4	1.4	11.4	9.6	8.2	7.2	1.5	4.0	0.0	0.0	0.0	7.6	613.9
<b>5th Percentile</b>	22.6	12.2	32.4	26.1	16.5	29.9	4.6	7.2	0.0	0.0	17.1	8.4	622.5
<b>10th percentile</b>	28.6	18.4	33.8	27.5	18.5	33.7	4.8	10.8	2.2	13.4	25.7	13.4	744.8
<b>Median</b>	127.0	110.7	122.7	96.7	82.2	97.8	29.4	54.6	56.0	58.2	68.7	46.5	1166.0
<b>90th percentile</b>	261.4	231.4	261.6	338.9	158.2	229.6	134.8	165.0	130.5	167.0	206.0	124.7	1678.7
<b>95th percentile</b>	279.6	236.1	262.9	402.8	199.9	243.4	136.9	242.6	143.8	178.3	240.9	134.9	1739.1
<b>Highest</b>	345.3	593.8	280.4	496.8	214.6	325.7	162.6	253.1	264.2	270.5	266.7	251.7	1820.5

#### 1) Calculation of statistics

Summary statistics, other than the Highest and Lowest values, are only calculated if there are at least 20 years of data available.

#### 2) Gaps and missing data

Gaps may be caused by a damaged instrument, a temporary change to the site operation, or due to the absence or illness of an observer.

#### 3) Further information

<http://www.bom.gov.au/climate/cdo/about/about-rain-data.shtml>.



# APPENDIX J

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## BOREHOLE LOGS





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**Aargus****BOREHOLE NUMBER BH01**

PAGE 1 OF 1

CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA						Clayey Sand, fined grained, dark grey		PID = 0.2 ppm; No staining; No hydrocarbon odours; No ACM observed
			0.5		CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
			1.0			Borehole BH01 terminated at 1m		



Aargus Pty Ltd

**Aargus****BOREHOLE NUMBER BH02**

PAGE 1 OF 1

CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA			0.5			Clayey Sand, fined grained, dark grey		PID = 0.5 ppm; No staining; No hydrocarbon odours; No ACM observed
			1.0		CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
						Borehole BH02 terminated at 1m		



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## BOREHOLE NUMBER BH03

PAGE 1 OF 1

**Aargus**CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA						Clayey Sand, fined grained, dark grey		PID = 0.2 ppm; No staining; No hydrocarbon odours; No ACM observed
			0.5		CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
						Borehole BH03 terminated at 0.8m		
			1.0					



Aargus Pty Ltd

**Aargus****BOREHOLE NUMBER BH04**

PAGE 1 OF 1

CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA						Clayey Sand, fined grained, dark grey		PID = 0.6 ppm; No staining; No hydrocarbon odours; No ACM observed
			0.5		CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
			1.0			Borehole BH04 terminated at 0.7m		



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## BOREHOLE NUMBER BH05

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Aargus

CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA			0.5		CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.4 ppm; No staining; No hydrocarbon odours; No ACM observed
					CH	CLAY, high plasticity, grey		PNo staining; No hydrocarbon odours; No ACM observed
			1.0			Borehole BH05 terminated at 0.8m		





Aargus Pty Ltd

**Aargus****BOREHOLE NUMBER BH06**

PAGE 1 OF 1

CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA					CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.2 ppm; No staining; No hydrocarbon odours; No ACM observed
					CH	CLAY, high plasticity, grey		No staining; No hydrocarbon odours; No ACM observed
			0.5			Borehole BH06 terminated at 0.5m		
			1.0					



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## BOREHOLE NUMBER BH07

PAGE 1 OF 1

**Aargus**CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA			0.5			Clayey Sand, fined grained, dark grey		PID = 0.6 ppm; No staining; No hydrocarbon odours; No ACM observed
					CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
			1.0			Borehole BH07 terminated at 0.9m		



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## BOREHOLE NUMBER BH08

PAGE 1 OF 1

**Aargus**CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA						Clayey Sand, fined grained, dark grey		PID = 0.4 ppm; No staining; No hydrocarbon odours; No ACM observed
			0.5		CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
			1.0			Borehole BH08 terminated at 0.9m		



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## BOREHOLE NUMBER BH09

PAGE 1 OF 1

**Aargus**CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
			0.5		CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.2ppm; No staining; No hydrocarbon odours; No ACM observed
					CH	CLAY, high plasticity, grey		No staining; No hydrocarbon odours; No ACM observed
			1.0			Borehole BH09 terminated at 0.9m		



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## BOREHOLE NUMBER BH10

PAGE 1 OF 1

**Aargus**CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA			0.5		CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.3 ppm; No staining; No hydrocarbon odours; No ACM observed
					CH	CLAY, high plasticity, grey		No staining; No hydrocarbon odours; No ACM observed
			1.0			Borehole BH10 terminated at 0.9m		



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## BOREHOLE NUMBER BH11

PAGE 1 OF 1

**Aargus**CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA					CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.5 ppm; No staining; No hydrocarbon odours; No ACM observed
					CH	CLAY, high plasticity, grey		No staining; No hydrocarbon odours; No ACM observed
			0.5			Borehole BH11 terminated at 0.5m		
			1.0					



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**Aargus****BOREHOLE NUMBER BH12**

PAGE 1 OF 1

CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 9/7/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA					CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.3 ppm; No staining; No hydrocarbon odours; No ACM observed
			0.5		CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
						Borehole BH12 terminated at 0.8m		
			1.0					



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**Aargus****BOREHOLE NUMBER BH13**

PAGE 1 OF 1

CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA					CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.3 ppm; No staining; No hydrocarbon odours; No ACM observed
			0.5		CH	CLAY, high plasticity, grey		No staining; No hydrocarbon odours; No ACM observed
						Borehole BH13 terminated at 0.8m		
			1.0					





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**BOREHOLE NUMBER BH14**

PAGE 1 OF 1

**Aargus****CLIENT** Essex Develop Pty Ltd**PROJECT NAME** Detailed Site Investigation**PROJECT NUMBER** ES8577**PROJECT LOCATION** Crescent Road and The Avenue, Newport**DATE STARTED** 7/9/22**COMPLETED** 7/9/22**R.L. SURFACE** \_\_\_\_\_**DATUM** \_\_\_\_\_**DRILLING CONTRACTOR** Aargus Pty Ltd**SLOPE** 90°**BEARING** ---**EQUIPMENT** Hand auger**HOLE LOCATION** See Figure 5 Borehole locations**HOLE SIZE** 50mm**LOGGED BY** SK**CHECKED BY** MK**NOTES** Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA						Sandy Clay , low plasticity, dark grey		PID = 0.9 ppm; No staining; No hydrocarbon odours; No ACM observed
					CL	Silty CLAY, low plasticity, orange - yellow		No staining; No hydrocarbon odours; No ACM observed
			0.5			Borehole BH14 terminated at 0.5m		
			1.0					



Aargus Pty Ltdrgus

## BOREHOLE NUMBER BH15

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**Aargus**CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22 COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_ DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA					CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.5 ppm; No staining; No hydrocarbon odours; No ACM observed
			0.5		CL	Silty CLAY, low plasticity, orange - yellow-red- white		No staining; No hydrocarbon odours; No ACM observed
						Borehole BH15 terminated at 0.6m		



Argus

**Aargus****BOREHOLE NUMBER BH16**

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CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA					CL	Silty Clay with Gravel, low plasticity, dark grey		PID = 0.5 ppm; No staining; No hydrocarbon odours; No ACM observed
					CL	Silty CLAY, low plasticity, orange - yellow-red- white		No staining; No hydrocarbon odours; No ACM observed
			0.5			Borehole BH16 terminated at 0.5m		
			1.0					



Argus

**Aargus****BOREHOLE NUMBER BH17**

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CLIENT Essex Develop Pty LtdPROJECT NAME Detailed Site InvestigationPROJECT NUMBER ES8577PROJECT LOCATION Crescent Road and The Avenue, NewportDATE STARTED 7/9/22COMPLETED 7/9/22

R.L. SURFACE \_\_\_\_\_

DATUM \_\_\_\_\_

DRILLING CONTRACTOR Aargus Pty LtdSLOPE 90°BEARING ---EQUIPMENT Hand augerHOLE LOCATION See Figure 5 Borehole locationsHOLE SIZE 50mmLOGGED BY SKCHECKED BY MKNOTES Depths to lithological units and contacts are approximate

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Additional Observations
HA					CL	TOPSOIL: Silty Clay with Gravel, low plasticity, dark grey		PID = 0.2 ppm; No staining; No hydrocarbon odours; No ACM observed
					CL	Silty CLAY, low plasticity, orange - yellow-red- white		No staining; No hydrocarbon odours; No ACM observed
			0.5			Borehole BH17 terminated at 0.5m		
			1.0					

# **APPENDIX K**

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## **REGULATORY CRITERIA**

## Waste Classification Guidelines – Part 1: Classification of waste

**Table 1: CT1 & CT2 values for classifying waste by chemical assessment without the TCLP test**

*For disposal requirements for organic and inorganic chemical contaminants not listed below, contact the EPA. Aluminium, barium, boron, chromium (0 and III oxidation states), cobalt, copper, iron, manganese, vanadium and zinc have not been listed with values in this table and need not be tested for.*

Contaminant	Maximum values of <i>specific contaminant concentration (SCC)</i> for classification without TCLP		CAS Registry Number
	General solid waste <sup>1</sup>	Restricted solid waste	
	CT1 (mg/kg)	CT2 (mg/kg)	
Arsenic	100	400	
Benzene	10	40	71-43-2
Benzo(a)pyrene <sup>2</sup>	0.8	3.2	50-32-8
Beryllium	20	80	
Cadmium	20	80	
Carbon tetrachloride	10	40	56-23-5
Chlorobenzene	2,000	8,000	108-90-7
Chloroform	120	480	67-66-3
Chlorpyrifos	4	16	2921-88-2
Chromium (VI) <sup>3</sup>	100	400	
m-Cresol	4,000	16,000	108-39-4
o-Cresol	4,000	16,000	95-48-7
p-Cresol	4,000	16,000	106-44-5
Cresol (total)	4,000	16,000	1319-77-3
Cyanide (amenable) <sup>4</sup>	70	280	
Cyanide (total)	320	1,280	
2,4-D	200	800	94-75-7
1,2-Dichlorobenzene	86	344	95-50-1
1,4-Dichlorobenzene	150	600	106-46-7
1,2-Dichloroethane	10	40	107-06-2
1,1-Dichloroethylene	14	56	75-35-4
Dichloromethane	172	688	75-09-2
2,4-Dinitrotoluene	2.6	10.4	121-14-2
Endosulfan <sup>5</sup>	60	240	See below <sup>5</sup>
Ethylbenzene	600	2,400	100-41-4
Fluoride	3,000	12,000	
Fluroxypyr	40	160	69377-81-7
Lead	100	400	

# Waste Classification Guidelines – Part 1: Classification of waste

Contaminant	Maximum values of <i>specific contaminant concentration (SCC)</i> for classification without TCLP		CAS Registry Number
	General solid waste <sup>1</sup>	Restricted solid waste	
	CT1 (mg/kg)	CT2 (mg/kg)	
Mercury	4	16	
Methyl ethyl ketone	4,000	16,000	78-93-3
Moderately harmful pesticides <sup>6</sup> (total)	250	1,000	See below <sup>6</sup>
Molybdenum	100	400	
Nickel	40	160	
Nitrobenzene	40	160	98-95-3
C6–C9 petroleum hydrocarbons <sup>7</sup>	650	2,600	
C10–C36 petroleum hydrocarbons <sup>7</sup>	10,000	40,000	
Phenol (non-halogenated)	288	1,152	108-95-2
Picloram	60	240	1918-02-1
Plasticiser compounds <sup>8</sup>	20	80	See below <sup>8</sup>
Polychlorinated biphenyls <sup>9</sup>	<50	<50	1336-36-3
Polycyclic aromatic hydrocarbons (total) <sup>10</sup>	200	800	
Scheduled chemicals <sup>11</sup>	<50	<50	
Selenium	20	80	
Silver	100	400	
Styrene (vinyl benzene)	60	240	100-42-5
Tebuconazole	128	512	107534-96-3
1,2,3,4-Tetrachlorobenzene	10	40	634-66-2
1,1,1,2-Tetrachloroethane	200	800	630-20-6
1,1,2,2-Tetrachloroethane	26	104	79-34-5
Tetrachloroethylene	14	56	127-18-4
Toluene	288	1,152	108-88-3
1,1,1-Trichloroethane	600	2,400	71-55-6
1,1,2-Trichloroethane	24	96	79-00-5
Trichloroethylene	10	40	79-01-6
2,4,5-Trichlorophenol	8,000	32,000	95-95-4
2,4,6-Trichlorophenol	40	160	88-06-2
Triclopyr	40	160	55335-06-3

## Waste Classification Guidelines – Part 1: Classification of waste

Contaminant	Maximum values of <i>specific contaminant concentration</i> (SCC) for classification without TCLP		CAS Registry Number
	General solid waste <sup>1</sup>	Restricted solid waste	
	CT1 (mg/kg)	CT2 (mg/kg)	
Vinyl chloride	4	16	75-01-4
Xylenes (total)	1,000	4,000	1330-20-7

### Notes

1. Values are the same for general solid waste (putrescible) and general solid waste (non-putrescible).
2. There may be a need for the laboratory to concentrate the sample to achieve the TCLP limit value for benzo(a)pyrene with confidence.
3. These limits apply to chromium in the +6 oxidation state only.
4. Analysis for cyanide (amenable) is the established method for assessing potentially leachable cyanide. The EPA may consider other methods if it can be demonstrated that these methods yield the same information.
5. Endosulfan (CAS Registry Number 115-29-7) means the total of Endosulfan I (CAS Registry Number 959-98-8), Endosulfan II (CAS Registry Number 891-86-1) and Endosulfan sulfate (CAS Registry Number 1031-07-8).
6. The following moderately harmful pesticides are to be included in the total values specified:

Moderately harmful pesticides (total)			
Name	CAS Registry Number	Name	CAS Registry Number
Atrazine	1912-24-9	Imidacloprid	138261-41-3
Azoxystrobin	131860-33-8	Indoxacarb	173584-44-6
Bifenthrin	82657-04-3	Malathion (Maldison)	121-75-5
Brodifacoum	56073-10-0	Metalaxyl	57837-19-1
Carboxin	5234-68-4	Metalaxyl-M	70630-17-0
Copper naphthenate	1338-02-9	Methidathion	950-37-8
Cyfluthrin	68359-37-5	3-Methyl-4-chlorophenol	59-50-7
Cyhalothrin	68085-85-8	Methyl chlorpyrifos	5598-13-0
Cypermethrin	52315-07-08	N-Methyl pyrrolidone	872-50-4
Deltamethrin	52918-63-5	2-octylthiazol-3-one	26530-20-1
Dichlofluanid	1085-98-9	Oxyfluorfen	42874-03-3
Dichlorvos	62-73-7	Paraquat dichloride	1910-42-5
Difenoconazole	119446-68-3	Parathion methyl	298-00-0
Dimethoate	60-51-5	Permethrin	52645-53-1
Diquat dibromide	85-00-7	Profenofos	41198-08-7
Emamectin benzoate	137515-75-4 & 155569-91-8	Prometryn	7287-19-6
Ethion	563-12-2	Propargite	2312-35-8
Fenthion	55-38-9	Pentachloronitrobenzene (Quintozone)	82-68-8
Fenitrothion	122-14-5	Simazine	122-34-9
Fipronil	120068-37-3	Thiabendazole	148-79-8



## Waste Classification Guidelines – Part 1: Classification of waste

Moderately harmful pesticides (total)			
Name	CAS Registry Number	Name	CAS Registry Number
Fluazifop-P-butyl	79241-46-6	Thiamethoxam	153719-23-4
Fludioxonil	131341-86-1	Thiodicarb	59669-26-0
Glyphosate	1071-83-6	Thiram	137-26-8

7. Approximate range of petroleum hydrocarbon fractions: petrol C6–C9, kerosene C10–C18, diesel C12–C18, and lubricating oils above C18. Laboratory results are reported as four different fractions: C6–C9, C10–C14, C15–C28 and C29–C36. The results of total petroleum hydrocarbons (TPH) (C10–C36) analyses are reported as a sum of the relevant three fractions. Please note that hydrocarbons are defined as molecules that only contain carbon and hydrogen atoms. Prior to TPH (C10–C36) analysis, clean-up may be necessary to remove non-petroleum hydrocarbon compounds. Where the presence of other materials that will interfere with the analysis may be present, such as oils and fats from food sources, you are advised to treat the extract that has been solvent exchanged to hexane with silica gel as described in *USEPA Method 1664A* (USEPA 2000).
8. Plasticiser compounds means the total of di-2-ethyl hexyl phthalate (CAS Registry Number 117-81-7) and di-2-ethyl hexyl adipate (CAS Registry Number 103-23-1) contained within a waste.
9. Polychlorinated biphenyls must be managed in accordance with the EPA's polychlorinated biphenyl (PCB) chemical control order 1997, which is available on the EPA website at [www.epa.nsw.gov.au/resources/pesticides/pcbcco1997.pdf](http://www.epa.nsw.gov.au/resources/pesticides/pcbcco1997.pdf).
10. The following polycyclic aromatic hydrocarbons (PAHs) are assessed as the total concentration of 16 USEPA Priority Pollutant PAHs, as follows:

Polycyclic aromatic hydrocarbons (total)			
PAH name	CAS Registry Number	PAH name	CAS Registry Number
Acenaphthene	83-32-9	Chrysene	218-01-9
Acenaphthylene	208-96-8	Dibenzo(a,h)anthracene	53-70-3
Anthracene	120-12-7	Fluoranthene	206-44-0
Benzo(a)anthracene	56-55-3	Fluorene	86-73-7
Benzo(a)pyrene	50-32-8	Indeno(1,2,3-cd)pyrene	193-39-5
Benzo(b)fluoranthene	205-99-2	Naphthalene	91-20-3
Benzo(ghi)perylene	191-24-2	Phenanthrene	85-01-8
Benzo(k)fluoranthene	207-08-9	Pyrene	129-00-0

11. Scheduled chemicals must be managed in accordance with the EPA's scheduled chemical wastes chemical control order 2004, which is available on the EPA website at [www.epa.nsw.gov.au/resources/pesticides/scwcco2004.pdf](http://www.epa.nsw.gov.au/resources/pesticides/scwcco2004.pdf).

The following scheduled chemicals are to be included in the total values specified:

Scheduled chemicals (total)			
Name	CAS Registry Number	Name	CAS Registry Number
Aldrin	309-00-2	Heptachlor	76-44-8
Alpha-BHC	319-84-6	Heptachlor epoxide	1024-57-3
Beta-BHC	319-85-7	Hexachlorobenzene	118-74-1
Gamma-BHC (Lindane)	58-89-9	Hexachlorophene	70-30-4
Delta-BHC	319-86-8	Isodrin	465-73-6

## Waste Classification Guidelines – Part 1: Classification of waste

Scheduled chemicals (total)			
Name	CAS Registry Number	Name	CAS Registry Number
Chlordane	57-74-9	Pentachlorobenzene	608-93-5
DDD	72-54-8	Pentachloronitrobenzene	82-68-8
DDE	72-55-9	Pentachlorophenol	87-86-5
DDT	50-29-3	1,2,4,5-Tetrachlorobenzene	95-94-3
Dieldrin	60-57-1	2,3,4,6-Tetrachlorophenol	58-90-2
Endrin	72-20-8	1,2,4-Trichlorobenzene	120-82-1
Endrin aldehyde	7421-93-4	2,4,5-Trichlorophenoxyacetic acid, salts and esters	93-76-5

**Table 2: TCLP and SCC values for classifying waste by chemical assessment**

For disposal requirements for organic and inorganic chemical contaminants not listed below, contact the EPA. Aluminium, barium, boron, chromium (0 and III oxidation states), cobalt, copper, iron, manganese, vanadium and zinc have not been listed with values in this table and need not be tested for.

Contaminant	Maximum values for <i>leachable concentration</i> and <i>specific contaminant concentration</i> when used together				CAS Registry Number
	General solid waste <sup>1</sup>		Restricted solid waste		
	Leachable concentration	Specific contaminant concentration	Leachable concentration	Specific contaminant concentration	
	TCLP1 (mg/L)	SCC1 (mg/kg)	TCLP2 (mg/L)	SCC2 (mg/kg)	
Arsenic	5.0 <sup>2</sup>	500	20	2,000	
Benzene	0.5 <sup>2</sup>	18	2	72	71-43-2
Benzo(a)pyrene <sup>3</sup>	0.04 <sup>4</sup>	10	0.16	23	50-32-8
Beryllium	1.0 <sup>5</sup>	100	4	400	
Cadmium	1.0 <sup>2</sup>	100	4	400	
Carbon tetrachloride	0.5 <sup>2</sup>	18	2	72	56-23-5
Chlorobenzene	100 <sup>2</sup>	3,600	400	14,400	108-90-7
Chloroform	6 <sup>2</sup>	216	24	864	67-66-3
Chlorpyrifos	0.2	7.5	0.8	30	2921-88-2
Chromium (VI) <sup>6</sup>	5 <sup>2</sup>	1,900	20	7,600	
m-Cresol	200 <sup>2</sup>	7,200	800	28,800	108-39-4
o-Cresol	200 <sup>2</sup>	7,200	800	28,800	95-48-7
p-Cresol	200 <sup>2</sup>	7,200	800	28,800	106-44-5
Cresol (total)	200 <sup>2</sup>	7,200	800	28,800	1319-77-3
Cyanide (amenable) <sup>7, 8</sup>	3.5 <sup>7</sup>	300	14	1,200	
Cyanide (total) <sup>7</sup>	16 <sup>7</sup>	5,900	64	23,600	
2,4-D	10 <sup>2</sup>	360	40	1,440	94-75-7
1,2-Dichlorobenzene	4.3 <sup>2</sup>	155	17.2	620	95-50-1
1,4-Dichlorobenzene	7.5 <sup>2</sup>	270	30	1,080	106-46-7
1,2-Dichloroethane	0.5 <sup>2</sup>	18	2	72	107-06-2
1,1-Dichloroethylene	0.7 <sup>2</sup>	25	2.8	100	75-35-4
Dichloromethane	8.6 <sup>2</sup>	310	34.4	1,240	75-09-2
2,4-Dinitrotoluene	0.13 <sup>2</sup>	4.68	0.52	18.7	121-14-2
Endosulfan <sup>9</sup>	3	108	12	432	See below <sup>9</sup>

# Waste Classification Guidelines – Part 1: Classification of waste

Contaminant	Maximum values for <i>leachable concentration</i> and <i>specific contaminant concentration</i> when used together				CAS Registry Number
	General solid waste <sup>1</sup>		Restricted solid waste		
	Leachable concentration	Specific contaminant concentration	Leachable concentration	Specific contaminant concentration	
	TCLP1 (mg/L)	SCC1 (mg/kg)	TCLP2 (mg/L)	SCC2 (mg/kg)	
Ethylbenzene	30 <sup>10</sup>	1,080	120	4,320	100-41-4
Fluoride	150 <sup>10</sup>	10,000	600	40,000	
Fluroxypyr	2	75	8	300	69377-81-7
Lead	5 <sup>2</sup>	1,500	20	6,000	
Mercury	0.2 <sup>2</sup>	50	0.8	200	
Methyl ethyl ketone	200 <sup>2</sup>	7,200	800	28,800	78-93-3
Moderately harmful pesticides <sup>11</sup> (total)	N/A <sup>12</sup>	250	N/A <sup>12</sup>	1,000	See below <sup>11</sup>
Molybdenum	5 <sup>10</sup>	1,000	20	4,000	
Nickel	2 <sup>10</sup>	1,050	8	4,200	
Nitrobenzene	2 <sup>2</sup>	72	8	288	98-95-3
C6–C9 petroleum hydrocarbons <sup>13</sup>	N/A <sup>12</sup>	650	N/A <sup>12</sup>	2,600	
C10–C36 petroleum hydrocarbons <sup>13</sup>	N/A <sup>12</sup>	10,000	N/A <sup>12</sup>	40,000	
Phenol (non-halogenated)	14.4 <sup>14</sup>	518	57.6	2,073	108-95-2
Picloram	3	110	12	440	1918-02-1
Plasticiser compounds <sup>15</sup>	1	600	4	2,400	See below <sup>15</sup>
Polychlorinated biphenyls <sup>12</sup>	N/A <sup>12</sup>	< 50	N/A <sup>12</sup>	< 50	1336-36-3
Polycyclic aromatic hydrocarbons (total) <sup>16</sup>	N/A <sup>12</sup>	200	N/A <sup>12</sup>	800	
Scheduled chemicals <sup>17</sup>	N/A <sup>12</sup>	< 50	N/A <sup>12</sup>	< 50	See below <sup>17</sup>
Selenium	1 <sup>2</sup>	50	4	200	
Silver	5.0 <sup>2</sup>	180	20	720	
Styrene (vinyl benzene)	3 <sup>10</sup>	108	12	432	100-42-5
Tebuconazole	6.4	230	25.6	920	107534-96-3
1,2,3,4-Tetrachlorobenzene	0.5	18	2	72	634-66-2

## Waste Classification Guidelines – Part 1: Classification of waste

Contaminant	Maximum values for <i>leachable concentration</i> and <i>specific contaminant concentration</i> when used together				CAS Registry Number
	General solid waste <sup>1</sup>		Restricted solid waste		
	Leachable concentration	Specific contaminant concentration	Leachable concentration	Specific contaminant concentration	
	TCLP1 (mg/L)	SCC1 (mg/kg)	TCLP2 (mg/L)	SCC2 (mg/kg)	
1,1,1,2-Tetrachloroethane	10 <sup>2</sup>	360	40	1,440	630-20-6
1,1,2,2-Tetrachloroethane	1.3 <sup>2</sup>	46.8	5.2	187.2	79-34-5
Tetrachloroethylene	0.7 <sup>2</sup>	25.2	2.8	100.8	127-18-4
Toluene	14.4 <sup>14</sup>	518	57.6	2,073	108-88-3
1,1,1-Trichloroethane	30 <sup>2</sup>	1,080	120	4,320	71-55-6
1,1,2-Trichloroethane	1.2 <sup>2</sup>	43.2	4.8	172.8	79-00-5
Trichloroethylene	0.5 <sup>2</sup>	18	2	72	79-01-6
2,4,5-Trichlorophenol	400 <sup>2</sup>	14,400	1,600	57,600	95-95-4
2,4,6-Trichlorophenol	2 <sup>2</sup>	72	8	288	88-06-2
Triclopyr	2	75	8	300	55335-06-3
Vinyl chloride	0.2 <sup>2</sup>	7.2	0.8	28.8	75-01-4
Xylenes (total)	50 <sup>18</sup>	1,800	200	7,200	1330-20-7

### Notes

1. Values are the same for general solid waste (putrescible) and general solid waste (non- putrescible).
2. See *Hazardous Waste Management System: Identification and Listing of Hazardous Waste – Toxicity Characteristics Revisions, Final Rule* (USEPA 2012b) for TCLP levels.
3. There may be a need for the laboratory to concentrate the sample to achieve the TCLP limit value for benzo(a)pyrene with confidence.
4. Calculated from *Hazardous Waste: Identification and Listing* (USEPA 2012a).
5. Calculated from 'Beryllium' in *The Health Risk Assessment and Management of Contaminated Sites* (DiMarco & Buckett 1996).
6. These limits apply to chromium in the +6 oxidation state only.
7. Taken from the *Land Disposal Restrictions for Newly Identified and Listed Hazardous Wastes and Hazardous Soil: Proposed Rule* (USEPA 1993).
8. Analysis for cyanide (amenable) is the established method used to assess the potentially leachable cyanide. The EPA may consider other methods if it can be demonstrated that these methods yield the same information.
9. Endosulfan (CAS Registry Number 115-29-7) means the total of endosulfan I (CAS Registry Number 959-98-8), endosulfan II (CAS Registry Number 891-86-1) and endosulfan sulfate (CAS Registry Number 1031-07-8).
10. Calculated from *Australian Drinking Water Guidelines* (NHMRC 2011).
11. The following moderately harmful pesticides are to be included in the total values specified:



## Waste Classification Guidelines – Part 1: Classification of waste

Moderately harmful pesticides (total)			
Name	CAS Registry Number	Name	CAS Registry Number
Atrazine	1912-24-9	Imidacloprid	138261-41-3
Azoxystrobin	131860-33-8	Indoxacarb	173584-44-6
Bifenthrin	82657-04-3	Malathion (Maldison)	121-75-5
Brodifacoum	56073-10-0	Metalaxyl	57837-19-1
Carboxin	5234-68-4	Metalaxyl-M	70630-17-0
Copper naphthenate	1338-02-9	Methidathion	950-37-8
Cyfluthrin	68359-37-5	3-Methyl-4-chlorophenol	59-50-7
Cyhalothrin	68085-85-8	Methyl chlorpyrifos	5598-13-0
Cypermethrin	52315-07-08	N-Methyl pyrrolidone	872-50-4
Deltamethrin	52918-63-5	2-octylthiazol-3-one	26530-20-1
Dichlofluanid	1085-98-9	Oxyfluorfen	42874-03-3
Dichlorvos	62-73-7	Paraquat dichloride	1910-42-5
Difenoconazole	119446-68-3	Parathion methyl	298-00-0
Dimethoate	60-51-5	Permethrin	52645-53-1
Diquat dibromide	85-00-7	Profenofos	41198-08-7
Emamectin benzoate	137515-75-4 & 155569-91-8	Prometryn	7287-19-6
Ethion	563-12-2	Propargite	2312-35-8
Fenthion	55-38-9	Pentachloronitrobenzene (Quintozone)	82-68-8
Fenitrothion	122-14-5	Simazine	122-34-9
Fipronil	120068-37-3	Thiabendazole	148-79-8
Fluazifop-P-butyl	79241-46-6	Thiamethoxam	153719-23-4
Fludioxonil	131341-86-1	Thiodicarb	59669-26-0
Glyphosate	1071-83-6	Thiram	137-26-8

12. No TCLP analysis is required. Moderately harmful pesticides, petroleum hydrocarbons, polychlorinated biphenyls, polycyclic aromatic hydrocarbons and scheduled chemicals are assessed using SCC1 and SCC2.

Polychlorinated biphenyls must be managed in accordance with the EPA's polychlorinated biphenyl (PCB) chemical control order 1997, which is available on the EPA website at [www.epa.nsw.gov.au/resources/pesticides/pcbcco1997.pdf](http://www.epa.nsw.gov.au/resources/pesticides/pcbcco1997.pdf).

13. Approximate range of petroleum hydrocarbon fractions: petrol C6–C9, kerosene C10–C18, diesel C12–C18, and lubricating oils above C18. Laboratory results are reported as four different fractions: C6–C9, C10–C14, C15–C28 and C29–C36. The results of total petroleum hydrocarbons (C10–C36) analyses are reported as a sum of the relevant three fractions. Please note that hydrocarbons are defined as molecules that only contain carbon and hydrogen atoms. Prior to TPH (C10–C36) analysis, clean-up may be necessary to remove non-petroleum hydrocarbon compounds. Where the presence of other materials that will interfere with the analysis may be present, such as oils and fats from food sources, you are advised to treat the extract that has been solvent exchanged to hexane with silica gel as described in USEPA Method 1664A (USEPA 2000).
14. Proposed level for phenol and toluene in *Hazardous Waste Management System: Identification and Listing of Hazardous Waste – Toxicity Characteristics Revisions, Final Rule* (USEPA 2012b).

## Waste Classification Guidelines – Part 1: Classification of waste

15. Plasticiser compounds means the total of di-2-ethyl hexyl phthalate (CAS Registry Number 117-81-7) and di-2-ethyl hexyl adipate (CAS Registry Number 103-23-1) contained within a waste.
16. The following polycyclic aromatic hydrocarbons are assessed as the total concentration of 16 USEPA Priority Pollutant PAHs, as follows:

Polycyclic aromatic hydrocarbons (total)			
PAH name	CAS Registry Number	PAH name	CAS Registry Number
Acenaphthene	83-32-9	Chrysene	218-01-9
Acenaphthylene	208-96-8	Dibenzo(a,h)anthracene	53-70-3
Anthracene	120-12-7	Fluoranthene	206-44-0
Benzo(a)anthracene	56-55-3	Fluorene	86-73-7
Benzo(a)pyrene	50-32-8	Indeno(1,2,3-cd)pyrene	193-39-5
Benzo(b)fluoranthene	205-99-2	Naphthalene	91-20-3
Benzo(ghi)perylene	191-24-2	Phenanthrene	85-01-8
Benzo(k)fluoranthene	207-08-9	Pyrene	129-00-0

17. Scheduled chemicals must be managed in accordance with the EPA's scheduled chemical wastes chemical control order 2004, which is available on the EPA website at [www.epa.nsw.gov.au/resources/pesticides/scwcco2004.pdf](http://www.epa.nsw.gov.au/resources/pesticides/scwcco2004.pdf).

The following scheduled chemicals are to be included in the total values specified:

Scheduled chemicals (total)			
Name	CAS Registry Number	Name	CAS Registry Number
Aldrin	309-00-2	Heptachlor	76-44-8
Alpha-BHC	319-84-6	Heptachlor epoxide	1024-57-3
Beta-BHC	319-85-7	Hexachlorobenzene	118-74-1
Gamma-BHC (Lindane)	58-89-9	Hexachlorophene	70-30-4
Delta-BHC	319-86-8	Isodrin	465-73-6
Chlordane	57-74-9	Pentachlorobenzene	608-93-5
DDD	72-54-8	Pentachloronitrobenzene	82-68-8
DDE	72-55-9	Pentachlorophenol	87-86-5
DDT	50-29-3	1,2,4,5-Tetrachlorobenzene	95-94-3
Dieldrin	60-57-1	2,3,4,6-Tetrachlorophenol	58-90-2
Endrin	72-20-8	1,2,4-Trichlorobenzene	120-82-1
Endrin aldehyde	7421-93-4	2,4,5-Trichlorophenoxyacetic acid, salts and esters	93-76-5

18. Calculated from *Guidelines for Drinking Water Quality* (WHO 2011).



Table 1A (1) Health-based Investigation Levels (mg/kg)

	Residential A	Residential B	Recreational C	Commercial / Industrial D
Metals & Inorganics				
Arsenic (total)	100	500	300	3,000
Beryllium	60	90	90	500
Boron	4,500	40,000	20,000	300,000
Cadmium	20	150	90	900
Chromium (VI)	100	500	300	3,600
Cobalt	100	600	300	4,000
Copper	6,000	30,000	17,000	240,000
Lead	300	1,200	600	1,500
Manganese	3,800	14,000	19,000	60,000
Mercury (inorganic)	40	120	80	730
Methyl mercury	10	30	13	180
Nickel	400	1,200	1,200	6,000
Selenium	200	1,400	700	10,000
Zinc	7,400	60,000	30,000	400,000
Cyanide (free)	250	300	240	1,500
Polycyclic Aromatic Hydrocarbons				
Carcinogenic PAHs (as BaP TEQ)	3	4	3	40
Total PAHs	300	400	300	4,000
Phenols				
Phenols	3,000	45,000	40,000	240,000
Pentachlorophenol	100	130	120	660
Cresols	400	4,700	4,000	25,000
Organochlorine Pesticides				
DDT+DDD+DDE	240	600	400	3,600
Aldrin & Dieldrin	6	10	10	45
Chlordane	50	90	70	530
Endosulfan	270	400	340	2,000
Endrin	10	20	20	100
Heptachlor	6	10	10	50
HCB	10	15	10	80
Methoxychlor	300	500	400	2,500
Mirex	10	20	20	100
Toxaphene	20	30	30	160
Herbicides				
2,4,5-T	600	900	800	5,000
2,4-D	900	1,600	1,300	9,000
MCPA	600	900	800	5,000
MCPB	600	900	800	5,000
Mecoprop	600	900	800	5,000
Picloram	4,500	6,600	5,700	35,000
Other Pesticides				
Atrazine	320	470	400	2,500
Chlorpyrifos	160	340	250	2,000
Bifenthrin	600	840	730	4,500
Other Organics				
PCBs	1	1	1	7
PBDE Flame Retardants (Br1 -Br9)	1	2	2	10



**Table 1A(3) Soil HSLs for vapour intrusion (mg/kg)**

[illegible]

**Table 1B(1) Soil-specific added contaminant limits for aged zinc in soil**

<b>Zn added contaminant limits (ACL, mg added contaminant/kg)</b>						
<b>Areas of ecological significance</b>						
<b>pH<sup>a</sup></b>	<b>CEC<sup>b</sup> (cmol/kg)</b>					
	<b>5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>60</b>
<b>4.0</b>	15	20	20	20	20	20
<b>4.5</b>	20	25	25	25	25	25
<b>5.0</b>	30	40	40	40	40	40
<b>5.5</b>	40	60	60	60	60	60
<b>6.0</b>	50	90	90	90	90	90
<b>6.5</b>	50	90	130	130	130	130
<b>7.0</b>	50	90	130	190	190	190
<b>7.5</b>	50	90	130	210	260	280
<b>Urban residential/public open space<sup>1</sup></b>						
<b>pH<sup>a</sup></b>	<b>CEC<sup>b</sup> (cmol/kg)</b>					
	<b>5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>60</b>
<b>4.0</b>	70	85	85	85	85	85
<b>4.5</b>	100	120	120	120	120	120
<b>5.0</b>	130	180	180	180	180	180
<b>5.5</b>	180	270	270	270	270	270
<b>6.0</b>	230	400	400	400	400	400
<b>6.5</b>	230	400	590	590	590	590
<b>7.0</b>	230	400	700	880	880	880
<b>7.5</b>	230	400	700	960	1200	1300
<b>Commercial/Industrial</b>						
<b>pH<sup>a</sup></b>	<b>CEC<sup>b</sup> (cmol/kg)</b>					
	<b>5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>60</b>
<b>4.0</b>	110	130	130	130	130	130
<b>4.5</b>	150	190	190	190	190	190
<b>5.0</b>	210	290	290	290	290	290
<b>5.5</b>	280	420	420	420	420	420
<b>6.0</b>	360	620	620	620	620	620
<b>6.5</b>	360	620	920	920	920	920
<b>7.0</b>	360	620	1100	1400	1400	1400
<b>7.5</b>	360	620	1100	1500	1900	2000

1: Urban residential/public open space is broadly equivalent to the HIL A, HIL B and HIL C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.

2: Aged values apply to contamination present in soil for at least two years. For fresh contamination refer to Schedule B5c.

3: The EIL is calculated from summing the ACL and the ABC.

<sup>a</sup>: pH measured using the CaCl<sub>2</sub> method (Rayment & Higginson 1992).

<sup>b</sup>: CEC measured using the silver thiourea method (Chabra et al. 1972).

**Table 1B(2): Soil-specific added contaminant limits for aged copper in soil**

<b>Cu added contaminant limits (ACL, mg added contaminant/kg)</b>					
<b>Areas of ecological significance</b>					
<b>CEC (cmol/kg)<sup>a</sup> based</b>					
<b>5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>60</b>
30	65	70	70	75	80
<b>pH<sup>b</sup> based</b>					
<b>4.5</b>	<b>5.5</b>	<b>6</b>	<b>6.5</b>	<b>7.5</b>	<b>8</b>
20	45	65	90	190	270
<b>Urban residential/public open space <sup>1</sup></b>					
<b>CEC (cmol/kg)<sup>a</sup> based</b>					
<b>5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>60</b>
95	190	210	220	220	230
<b>pH<sup>b</sup> based</b>					
<b>4.5</b>	<b>5.5</b>	<b>6</b>	<b>6.5</b>	<b>7.5</b>	<b>8</b>
60	130	190	280	560	800
<b>Commercial/industrial</b>					
<b>CEC (cmol/kg)<sup>a</sup> based</b>					
<b>5</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>60</b>
140	280	300	320	330	340
<b>pH<sup>b</sup> based</b>					
<b>4.5</b>	<b>5.5</b>	<b>6</b>	<b>6.5</b>	<b>7.5</b>	<b>8</b>
85	190	280	400	830	1200

1. Urban residential/public open space is broadly equivalent to the HIL A, HIL B and HIL C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.
  2. The lower of the CEC or the pH-based ACLs for the land use and soil conditions is the ACL to be used.
  3. Aged values apply to contamination present in soil for at least two years. For fresh contamination refer to Schedule B5c.
  4. The EIL is calculated from summing the ACL and the ABC.
- a = CEC measured using the silver thiourea method (Chabra et al. 1972)
- b = pH measured using the CaCl<sub>2</sub> method (Rayment & Higginson 1992)

**Table 1B(3): Soil-specific added contaminant limits for aged chromium III and nickel in soil**

CHEMICAL	Clay content (%clay)	Added contaminant limits (mg added contaminant/kg) for various land uses		
		Areas of ecological significance	Urban residential and public open space	Commercial and industrial
Chromium III	<b>1</b>	60	190	310
	<b>2.5</b>	80	250	420
	<b>5</b>	100	320	530
	<b>≥10</b>	130	400	660
Nickel	CEC <sup>a</sup> (cmol <sub>c</sub> /kg)	Areas of ecological significance	Urban residential and public open space	Commercial and industrial
	<b>5</b>	5	30	55
	<b>10</b>	30	170	290
	<b>20</b>	45	270	460
	<b>30</b>	60	350	600
	<b>40</b>	70	420	730
	<b>60</b>	95	560	960

Notes:

1. Urban residential/public open space is broadly equivalent to the HIL A, HIL B and HIL C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.
  2. Aged values apply to contamination present in soil for at least two years. For fresh contamination refer to Schedule B5c.
  3. The EIL is calculated from summing the ACL and the ABC.
- a = CEC measured using the silver thiourea method (Chabra et al. 1972)

**Table 1B(4): Generic added contaminant limits for lead in soils irrespective of their physicochemical properties**

Pb added contaminant limit (ACL, mg added contaminant/kg) for various land uses			
CHEMICAL	Area of ecological significance	Urban residential and public open space	Commercial and industrial
LEAD	470	1100	1800

Notes:

1. Urban residential/public open space is broadly equivalent to the HIL A, HIL B and HIL C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.
2. Aged values are applicable to lead contamination present in soil for at least two years. For fresh contamination refer to Schedule B5c.
3. The EIL is calculated from summing the ACL and the ABC.

**Table 1B(5) Generic EILs for aged As, fresh DDT and fresh naphthalene in soils irrespective of their physicochemical properties**

Ecological Investigation Levels (mg total contaminant/kg)			
CHEMICAL	Areas of ecological significance	Urban residential and public open space <sup>1</sup>	Commercial and industrial
Arsenic <sup>2</sup>	40	100	160
DDT <sup>3</sup>	3	480	640
Naphthalene <sup>3</sup>	10	170	370

**Notes:**

1. Urban residential/public open space is broadly equivalent to the HIL-A, HIL-B and HIL-C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.
2. Aged values are applicable to arsenic contamination present in soil for at least two years. For fresh contamination refer to Schedule B5c.
3. Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used.
4. Insufficient data was available to calculate ACLs for As, DDT and naphthalene. The EIL should be taken directly from Table 1B(5).

**Table 1 B(7): Management Limits for TPH fractions F1 - F4 in soil**

TPH fraction	Soil texture	Management Limits <sup>1</sup> (mg/kg dry soil)	
		Residential, parkland and public open space	Commercial and industrial
<b>F1<sup>2</sup> C6- C10</b>	Coarse	700	700
	Fine	800	800
<b>F2<sup>2</sup> &gt;C10-C16</b>	Coarse	1000	1000
	Fine	1000	1000
<b>F3 &gt;C16-C34</b>	Coarse	2500	3500
	Fine	3500	5000
<b>F4 &gt;C34-C40</b>	Coarse	10 000	10 000
	Fine	10 000	10 000

**Table 7: Health screening levels for asbestos contamination in soil**

Form of asbestos	Health Screening Level (w/w)			
	Residential A <sup>1</sup>	Residential B <sup>2</sup>	Recreational C <sup>3</sup>	Commercial/ Industrial D <sup>4</sup>
Bonded ACM	0.01%	0.04%	0.02%	0.05%
FA and AF (friable asbestos)		0.001%		
All forms of asbestos	No visible asbestos for surface soil			

Notes:

1. Residential A with garden/accessible soil also includes children’s day care centres, preschools and primary schools.
2. Residential B with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high-rise buildings and apartments.
3. Recreational C includes public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and unpaved footpaths.
4. Commercial/industrial D includes premises such as shops, offices, factories and industrial sites.
5. The screening level of 0.001% w/w asbestos in soil for FA and AF (i.e. non-bonded/friable asbestos) only applies where the FA and AF are able to be quantified by gravimetric procedures (refer Section 4.10). This screening level is not applicable to free fibres.



# **APPENDIX L**

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## **FIELD RECORD FORMS / CALIBRATION CERTIFICATES**





# Site Inspection Daily Worksheet Record

PROJECT NAME:	Detailed Site Investigation	PROJECT NO:	ES8577
CLIENT:	Essex Develop Pty Ltd.	DATE:	
SITE ADDRESS:	122-128 Crescent Road and 55-57 The Avenue, Newport		
SITE CONTACT:		PHONE:	
AARGUS REPRESENTATIVE:	SK, DK		
TITLE:	Environmental Engineer	PHONE:	0466012495
FIELD NOTES:			

Start Time	9:30	Finish Time	
Weather	17°C, partly cloudy	Rainfall (mm)	7mm in 24 hours
Wind Direction	<del>SE</del> → NE → SW	Wind Speed	13 km/h
Humidity	67%		
Odours Present	None	Staining Present	

## Environmental and Safety Concerns

Actions	
Machinery onsite <i>Hand auger, concrete core</i>	Equipment onsite —
Site Safety Induction —	Stormwater Control —
Dust Suppression —	Traffic Control —

# CALIBRATION CERTIFICATE



Date of Calibration: - 20<sup>th</sup> July 2022

Calibrated by: - P Kovacs

Customer: - Air-Met Scientific Pty Ltd

Description: - Tiger<sup>1</sup>

Manufacturer: - ION Science Ltd

Type Number: - N/A

Serial Number: - T-119477

Certificate Number: - 261594

Signed: - *Kovacs*

Service Due date: - July 2023

This instrument has been factory calibrated to fully documented procedures in accordance with our ISO 9001:2015 Quality Management System. Measurement standards are derived from volumetric and time sources which have been calibrated at an accredited laboratory traceable to National or International standards. The following list indicates the serial numbers of equipment used during the calibration procedure.

BAR02	C9559 / A14353 <sup>1</sup>	C9568 / A14744 <sup>1</sup>		
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<sup>1</sup> Gas mixtures prepared using equipment traceable to N.P.L. standards against Suppliers Certificate No.

The instrument has been calibrated at a temperature of 20.8°C ± 0.25°C and a barometric pressure of 1011.7 mbar ± 2 mbar.

ION science hereby certify that on the day of calibration the instrument was working according to the manufacturer's original sales specification as checked by the calibration procedure, unless otherwise stated.

Copies of this certificate may only be reproduced in full.

Calibrations are valid as certified only on date of Calibration. For correct instrument operation please see the User Manual.

## RESULTS ON DESPATCH

Applied Concentration	Instrument Indication
101.6 ppm Isobutylene 4932.4 ppm Isobutylene	101.5 ppm Isobutylene 4956 ppm Isobutylene

The estimated applied gas uncertainty is ± 2.0%

Comments: -

# PID Measurements



**Aargus**

PID Monitor Description.....

Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH1	0.2	BH15	0.5		
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH2	0.5	BH16	0.5		
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH3	0.2	BH17.	0.2		
Location	PID (ppm)	Location	PID (ppm)	Location	PID level
BH4	0.6				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH5	0.4				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH6	0.2				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH7	0.6				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH8	0.4				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH9	0.2				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH10	0.3				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH11	0.5				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH12	0.3				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH13	0.3				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)
BH14	0.9				
Location	PID (ppm)	Location	PID (ppm)	Location	PID (ppm)

# **APPENDIX M**

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## **LABORATORY TECHNICAL INFORMATION**

# Recommended Holding Times and Preservations for Soil and Air



## APPLICABLE LOCATIONS

The bottles, preservation and holding times following are for the ALS Environmental operations excluding the ALS Water Resources Group (WRG). The ALS operations covered by this document include;

<b>Adelaide</b> Unit 2, 1 Burma Road Pooraka, Adelaide, SA 5095 P +6- 8-8162-5130 ALSEnviro.Adelaide@alsglobal.com	<b>Melbourne</b> 2-4 Westall Road Springvale VIC 3171 P +61-3-8549-9600 ALSEnviro.Melbourne@alsglobal.com	<b>Roma</b> Lot 4, 73 Beaumont Drive Roma QLD 4455 P +61-7-4622-8978 ALSEnviro.Roma@alsglobal.com
<b>Brisbane</b> 2 Byth Street (Corner Byth and Shand St) Stafford QLD 4053 P +61-7-3243-7222 ALSEnviro.Brisbane@alsglobal.com	<b>Mudgee</b> 29 Sydney Road Mudgee NSW 2850 P +61-2-6372-6735 ALSEnviro.Mudgee@alsglobal.com	<b>Sydney</b> 277-289 Woodpark Road Smithfield NSW 2164 P +61-2-8784-8555 ALSEnviro.Sydney@alsglobal.com
<b>Darwin</b> 4/16 Charlton Court Woolner, NT 0820 P +61-488-073-271 ALSEnviro.Darwin@alsglobal.com	<b>Newcastle</b> 5 Rosegum Road Warabrook NSW 2304 P +61-2-4968-9433 ALSEnviro.Newcastle@alsglobal.com	<b>Townsville</b> 14-15 Desma Court Bohle, QLD 4818 P +61-7-4796-0600 ALSEnviro.Townsville@alsglobal.com
<b>Gladstone</b> 46 Callemondah Drive Clinton Gladstone, QLD 4680 P +61-7-4971-5600 ALSEnviro.Gladstone@alsglobal.com	<b>Nowra</b> 4/13 Geary Place North Nowra NSW 2541 P +61-2-4423-2063 ALSEnviro.Nowra@alsglobal.com	<b>Wollongong</b> 99 Kenny Street Wollongong NSW 2500 P +61-2-4225-3125 ALSEnviro.Wollongong@alsglobal.com
<b>Mackay</b> 78 Harbour Road Mackay, QLD 4740 P +61-7-4944-0177 ALSEnviro.Mackay@alsglobal.com	<b>Perth</b> 10 Hod Way Malaga WA 6090 P +61-8-9209-7655 ALSEnviro.Perth@alsglobal.com	

## SOIL AND SEDIMENT SAMPLE CHILLING AND SUBMISSION

Most soils should be chilled to <4°C or <6°C (guideline dependent) and transported to the laboratory within 24 hours. Sediments may also benefit from being frozen. ALS recommends placing samples on ice immediately upon sampling for best practice chilling with either repacking into another esky or draining of free water and replacement of ice just prior to dispatch. Chilling overnight in a fridge may also benefit. The post-chilling addition of ice bricks is also recommended where samples are air freighted or dispatched long distance and where couriers will not freight ice.

Please note that where possible samples should be submitted to the laboratory with at least half the recommended holding time remaining and it is preferable to avoid submitting holding time critical tests and full VOC suites late on Fridays without prior arrangement.

## GENERAL NOTES

The following soil testing services are centralized in specialist laboratory locations. These tests require additional separate jars or bags to optimize service delivery and holding time compliance;

- Dioxins, Total S, TOC, TBT (Brisbane),
- PFOS/PFOA/AFFs, PBDEs, Explosives, Herbicides, Pesticides and Ultra trace Organics (Sydney).
- Sizings, Asbestos and Foreign Materials Testing (Newcastle);
- TRH Speciation (Perth and Melbourne),
- ASS/AMD (Perth and Brisbane).

KEY			
<b>G</b>	Glass	<b>G(T)</b>	Glass Jar with Teflon Lined Lid
<b>(ZH)</b>	Zero Headspace required	<b>PB</b>	Plastic (Polyethylene) Bag
<b>HVAS</b>	High Volume Air Sampler Paper	<b>PTFE</b>	Polytetrafluoroethylene Filter
<b>PUF</b>	Polyurethane Filter	<b>P</b>	Plastic Container



SOIL SAMPLES				
Parameter	ALS Preferred Container	Preservation	Holding Time	Reference
<b>INORGANICS, METALS, RADIONUCLIDES, ACID SULFATE SOILS AND PHYSICAL PARAMETERS</b>				
General Anions and Cations: Chloride, Bromide, Fluoride, Sulfate, CEC & exchangeable Cations	PB, P or G	Chill, preferably to <6°C	28 days <sup>(4)</sup>	NEPM 2013
Asbestos	PB (double bagged)	Nil	Indefinite	AS4964-2004
Cyanide	P or G	Chill, Store in dark	14 days <sup>(4)</sup>	NEPM 2013
Electrical conductivity	PB, P or G	Chill, preferably to <6°C	7 days <sup>(4)</sup>	NEPM 2013
Gross alpha, Gross beta	PB, P or G	Nil	180 days	ISO9696, ISO9697, ASTM D7283-06.
Hexavalent Chromium (Alkali extract)	P or G	Chill, Store in dark	28 days (plus 7 for extract)	NEPM 2013
Metals - General	PB, P or G	Nil	6 months	NEPM 2013
Mercury	P or G	Chill, Store in dark	28 days	NEPM 2013
Methyl Mercury	Option 1 Option 2	G(T) G(T)	Chill, Store in dark Freeze, Store in dark	40 days 8 months
Moisture Content	PB, P or G	Chill, preferably to <6°C	14 days	Horvat et al, 1993 NEPM 2013
Organic Carbon / TOC	Option 1 Option 2	G Freeze for sediments	Chill, to <6°C store in dark 6 months	NEPM 2013 NAGD 2009
pH	PB, P or G	Chill, preferably to <6°C	7 days	NEPM 2013
Radium 226, 228	PB or G	Nil	180 days	ISO10703, ASTM D7283-06.
SPOCAS, TOS, Chromium Suite	Option 1 Option 2 Option 3	PB (exclude air) Freeze Chill, preferably to <6°C Dry at 80°C	Indefinite Indefinite Indefinite	AS4969.1-2008
Sizings and Foreign Material Tests	PB or G	Nil for sediments	Indefinite	NAGD 2009
Sulfur - total	PB or G	Chill, preferably to <6°C	7 days (6 months once prepared)	NEPM 2013 plus in house
Sulfide	PB or G	Chill, preferably to <6°C	28 days (if Total S hold' time met)	NEPM 2013 plus in house
<b>ORGANICS - SEMIVOLATILE COMPOUNDS (SVOCs)</b>				
General less persistent Semi-Volatile Organic chemicals including: <ul style="list-style-type: none"> <li>Carbamate Pesticides</li> <li>Explosive residues</li> <li>OC, OP Pesticides &amp; PCBs</li> <li>Phenoxy acid Herbicides</li> <li>General Herbicides</li> <li>TRH/TPH (C<sub>10</sub>-C<sub>18</sub>),</li> <li>PAHs and Phenols</li> <li>Phthalate Esters</li> <li>Pyrethroids (Synthetic)</li> <li>Semi Volatile Chlorinated Compound</li> <li>Tributyl Tin (TBT)</li> </ul>	G(T)	Place immediately in the esky and chill to <6°C using ice. Avoid exposure to light	14 days (plus holding of extracts typically for up to 40 days)	NEPM 2013
Dioxins & Furans & PCBs	G(T)		1 year in dark, freeze to -10°C	USEPA 1613
PBDEs	G(T)		1 year in dark, freeze to -10°C	USEPA 1614
PFOS & PFOA/ 6:2-Fts / AFFFs	G(T)		6 months	In house - POPs
Tributyl Tin, OCPs, OPPs, Phenols, PAHs and PCBs	G(T)	Freeze within 12 hours of sampling for sediments	56 days (plus 40 days for extracts)	NAGD 2009
<b>ORGANICS - VOLATILE COMPOUNDS (VOCs)</b>				
VOCs except vinyl chloride, styrene and/or 2-chloroethyl vinyl ether	G(T)	Rapidly sample, minimize headspace and Chill to <6°C. Avoid exposure to light	14 days	NEPM 2013
Vinyl chloride and styrene	G(T)		<b>7 days (Previously 14 days under NEPM 1999)</b>	NEPM 2013
<b>AMBIENT AIR, SOIL GAS AND OCCUPATIONAL HYGIENE</b>				
<b>ORGANICS - VOLATILE AND SEMIVOLATILE COMPOUNDS</b>				
Parameter	Media	Preservation	Holding Time	Reference
VOCs in whole air samples	Silonite Canister	Nil	30 days	USEPA TO15r
VOCs on Sorbents	Charcoal Tubes/ Passive Badge	Nil	30 Days	NIOSH 1500/1501/1003
Semi-Volatile Organics including: PAHs	XAD-2 Resin	Protect from light. Store in the dark submit as soon as possible	7-14 Days	USEPA TO4A/TO10A/TO13A NIOSH 5515/5517
Chlorinated Benzenes	PTFE/GFF/MCE Filters		7 Days	NIOSH 5515/5517
Chlorinated Phenols	PUF		7 Days	USEPA TO4A/TO13A
	HVAS		7 Days	USEPA TO4A/TO13A

## NOTES

1. Samples for ZHE TCLP or ASLP require a separate additional jar.
2. TCLP and other leaching procedures need to be conducted within the solid sample holding time of the analyte of interest.
3. When a moisture determination is used for dry weight basis reporting, no holding time applies when performed on the same day as the chemical analytes of interest.
4. Holding times for extracted parameters (e.g. Chloride, Bromide, EC, Sulfate, Sulfide & Cyanide) are until extraction. Extract solution holding times also apply.

Analyte	Method	APHA/USEPA Method
<p><b>C<sub>6</sub>-C<sub>9</sub> – 1999 NEPM Fractions</b></p> <p><b>TRH (Volatile)/BTEX</b></p> <p><b>C<sub>6</sub>-C<sub>10</sub> – 2010 DRAFT NEPM Fractions</b></p>	<p>10g soil extracted with 20mL methanol, tumbled for 1 hour, and analysed with solvent and instrument check surrogates. Clay samples must be completely disintegrated before an aliquot is taken for analysis. Water direct injection of supplied sample (unopened) and analysis with solvent and instrument check surrogates. Analysis by capillary column Purge and Trap GCMS (mgt LabMark in-house method numbers Method: E029/E016 BTEX, Method: E004 Petroleum Hydrocarbons (TPH), Method: LM-LTM-ORG2010, Method: E005 Moisture Content).</p> <p>Owing to the differential responses of mass spectrometric detectors towards aliphatic and aromatic compounds, it is essential that the standard contain representatives of both groups. This standard should therefore consist of about 40% aromatic and 60% aliphatic target analytes, to be representative of a typical Australian fuel. The aromatic compounds shall comprise the components of BTEX. The aliphatics shall comprise equal proportions of all n-alkanes in the C6 to C10 range.</p>	<p>USEPA Method 8260B</p>
<p><b>Total Recoverable Hydrocarbons C<sub>10</sub>-C<sub>36</sub> – 1999 NEPM Fractions</b></p> <p><b>&gt;C<sub>10</sub>-C<sub>40</sub> – 2010 DRAFT NEPM Fractions</b></p>	<p>Soil - 10g soil and anhydrous sodium sulfate extracted with 20mL dichloromethane/acetone (1:1), and tumbled for a minimum of 1 hour. Clay samples must be completely disintegrated before an aliquot is taken for analysis.</p> <p>Water - One 250ml of water sequentially extracted in a separatory funnel three times with 20mL dichloromethane.</p> <p>Analysis by capillary column GC/FID (mgt LabMark in-house method numbers Method: E004 Petroleum Hydrocarbons (TPH), Method: LM-LTM-ORG2010, Method: E005 Moisture Content)</p>	<p>USEPA Method 8015C</p>
<p><b>TPH (Silica Gel)</b></p>	<p>Exchange an aliquot of sample extract into a suitable solvent for clean-up. For example, a 1:1 dichloromethane/acetone extract should be exchanged into a suitable non-polar solvent to allow for removal of polar substances. To the solvent-exchanged extract add an appropriate weight of silica gel. Mix the extract and silica gel thoroughly (e.g. with vortex mixer) and allow the sorbent to settle before removing a portion of the extract for analysis. (mgt LabMark in-house method numbers Method: LM-LTM-ORG2010, Method: E005 Moisture Content)</p>	<p>USEPA Method 3630C</p>
<p><b>Phenols/PAH</b></p>	<p>Soil - 10g soil, surrogates, mixed with anhydrous sodium sulfate and extracted with 20mL dichloromethane/acetone (1:1), and tumbled for a minimum of 1 hour. Clay samples must be completely disintegrated before an aliquot is</p>	<p>USEPA Method 8270D</p>



<b>Analyte</b>	<b>Method</b>	<b>APHA/USEPA Method</b>
	taken for analysis. Water - 250ml water sample plus surrogates triple extracted with dichloromethane (base and neutrals). Analysis by capillary column GC/MS (mgt LabMark in-house Methods E008.1, E008.2, E015.1, E015.2, E017.1 and E017.2, E016.1, E016.2, E017.1 and E017.2, E007.1, E007.2, E015.1, E015.2, E017.1 and E017.2 Method: E005 Moisture Content).	
<b>Total Metals (As, Cd, Cr, Cu, Ni, Pb, Zn)</b>	A 0.5gm portion of soil undergoes acidic microwave digestion. Analysis by ICP/MS.(mgt Labmark in-house method E022.2).	USEPA Method 6020A
<b>Total Mercury (Hg)</b>	0.5g soil acidic microwave digestion. Analysis by FIMS. (mgt Labmark in-house method E026.2).	USEPA Method 7471B
<b>Filtered Metals (As, Cd, Cr, Cu, Ni, Pb ,Zn)</b>	Filtered (0.45mm) and acidified in the field prior to analysis. Analysis by ICP/MS. (mgt LabMark in-house method E022.1).	USEPA Method 6020A
<b>Filtered Metals (Al, As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mo, Ni)</b>	Filtered (0.45mm) and acidified in the field prior to analysis. Analysis by ICP/MS. (mgt LabMark in-house method E022.1).	USEPA Method 6020A
<b>Total Metals (Al, As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mo, Ni)</b>	Acidified in the field prior to analysis and digested in the laboratory using aqua regia. Analysis by ICP/MS. (mgt LabMark in-house method E022.1).	USEPA Method 6020A
<b>Filtered Mercury (Hg)</b>	Filtered, oxidation and final reduction. Analysis by FIMS. (mgt LabMark in-house method E022.1).	USEPA Method 7471B
<b>Conductivity</b>	Direct measurement using a calibrated meter and electrode. (mgt LabMark in-house method E032 Electrical conductivity (EC)).	APHA Method 2520 B
<b>pH</b>	Direct measurement using a calibrated meter and electrode. (mgt LabMark in-house method E018 pH).	APHA Method 4500-H <sup>+</sup>
<b>Suspended Solids (SS)</b>	Gravimetric measurement of the residue filtered through a GFC filter. (mgt LabMark in-house method 4100 Total Suspended Solids dried at 103-105°C).	APHA Method 2540 D
<b>Ammonia (as N)</b>	Alkaline phenol and hypochlorite react with ammonia to form indophenol blue that is proportional to the ammonia concentration that is determined colorimetrically. (mgt LabMark in-house method E036/E050 Ammonia as N).	APHA Method 4500-N
<b>Phosphorus (as P)</b>	Acid digestion of phosphorus species to form a molybdophosphoric acid complex that is reduced to molybdenum blue which is proportional to the phosphorus concentration that is determined colorimetrically. (mgt LabMark in-house method E038 /E052 Total Phosphorus (as P)).	APHA Method 4500-P

# **APPENDIX N**

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## **LABORATORY CERTIFICATES**



## CERTIFICATE OF ANALYSIS

**Work Order** : **ES2232298**  
**Client** : **AARGUS PTY LTD**  
**Contact** : MR MARK KELLY  
**Address** : PO BOX 398  
 DRUMMOYNE NSW, AUSTRALIA 2047  
**Telephone** : 1300137038  
**Project** : ES8577 DETAILED SITE REPORT  
**Order number** : ----  
**C-O-C number** : ----  
**Sampler** : SK  
**Site** : NEWPORT  
**Quote number** : EN/222  
**No. of samples received** : 2  
**No. of samples analysed** : 2

**Page** : 1 of 7  
**Laboratory** : Environmental Division Sydney  
**Contact** : Customer Services ES  
**Address** : 277-289 Woodpark Road Smithfield NSW Australia 2164  
**Telephone** : +61-2-8784 8555  
**Date Samples Received** : 08-Sep-2022 18:53  
**Date Analysis Commenced** : 13-Sep-2022  
**Issue Date** : 20-Sep-2022 13:28



Accreditation No. 825  
 Accredited for compliance with  
 ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Descriptive Results
- Surrogate Control Limits

**Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.**

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Alana Smylie	Team Leader - Asbestos	Newcastle - Asbestos, Mayfield West, NSW
Edwandy Fadjjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Wisam Marassa	Inorganics Coordinator	Sydney Inorganics, Smithfield, NSW



## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.  
LOR = Limit of reporting  
^ = This result is computed from individual analyte detections at or above the level of reporting  
ø = ALS is not NATA accredited for these tests.  
~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a,h)anthracene (1.0), Benzo(g,h,i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EA200 'Am' Amosite (brown asbestos)
- EA200 'Cr' Crocidolite (blue asbestos)
- EA200 'Trace' - Asbestos fibres ("Free Fibres") detected by trace analysis per AS4964. The result can be interpreted that the sample contains detectable 'respirable' asbestos fibres
- EA200: Asbestos Identification Samples were analysed by Polarised Light Microscopy including dispersion staining.
- EA200 Legend
- EA200 'Ch' Chrysotile (white asbestos)
- EA200: 'UMF' Unknown Mineral Fibres. "-" indicates fibres detected may or may not be asbestos fibres. Confirmation by alternative techniques is recommended.
- EA200: For samples larger than 30g, the <2mm fraction may be sub-sampled prior to trace analysis as outlined in ISO23909:2008(E) Sect 6.3.2-2
- EA200: 'Yes' - Asbestos detected by polarised light microscopy including dispersion staining.
- EA200: 'No\*' - No asbestos found, at the reporting limit of 0.1g/kg, by polarised light microscopy including dispersion staining. Asbestos material was detected and positively identified at concentrations estimated to be below 0.1g/kg.
- EA200: 'No' - No asbestos found at the reporting limit 0.1g/kg, by polarised light microscopy including dispersion staining.



## Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SS1	SS2	----	----	----
Sampling date / time					07-Sep-2022 00:00	07-Sep-2022 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2232298-001	ES2232298-002	-----	-----	-----
					Result	Result	----	----	----
<b>EA055: Moisture Content (Dried @ 105-110°C)</b>									
Moisture Content	----	1.0	%		19.8	22.0	----	----	----
<b>EA200: AS 4964 - 2004 Identification of Asbestos in Soils</b>									
Asbestos Detected	1332-21-4	0.1	g/kg		No	No	----	----	----
Asbestos (Trace)	1332-21-4	5	Fibres		No	No	----	----	----
Asbestos Type	1332-21-4	-	--		-	-	----	----	----
Synthetic Mineral Fibre	----	0.1	g/kg		No	No	----	----	----
Organic Fibre	----	0.1	g/kg		No	No	----	----	----
Sample weight (dry)	----	0.01	g		620	603	----	----	----
APPROVED IDENTIFIER:	----	-	--		A. SMYLIE	A. SMYLIE	----	----	----
<b>EG005(ED093)T: Total Metals by ICP-AES</b>									
Arsenic	7440-38-2	5	mg/kg		11	16	----	----	----
Cadmium	7440-43-9	1	mg/kg		2	<1	----	----	----
Chromium	7440-47-3	2	mg/kg		73	18	----	----	----
Copper	7440-50-8	5	mg/kg		74	21	----	----	----
Lead	7439-92-1	5	mg/kg		62	123	----	----	----
Nickel	7440-02-0	2	mg/kg		6	3	----	----	----
Zinc	7440-66-6	5	mg/kg		109	182	----	----	----
<b>EG035T: Total Recoverable Mercury by FIMS</b>									
Mercury	7439-97-6	0.1	mg/kg		<0.1	<0.1	----	----	----
<b>EP068A: Organochlorine Pesticides (OC)</b>									
alpha-BHC	319-84-6	0.05	mg/kg		<0.05	<0.05	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg		<0.05	<0.05	----	----	----
beta-BHC	319-85-7	0.05	mg/kg		<0.05	<0.05	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg		<0.05	<0.05	----	----	----
delta-BHC	319-86-8	0.05	mg/kg		<0.05	<0.05	----	----	----
Heptachlor	76-44-8	0.05	mg/kg		<0.05	<0.05	----	----	----
Aldrin	309-00-2	0.05	mg/kg		<0.05	<0.05	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg		<0.05	<0.05	----	----	----
^ Total Chlordane (sum)	----	0.05	mg/kg		<0.05	<0.05	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg		<0.05	<0.05	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg		<0.05	<0.05	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg		<0.05	<0.05	----	----	----
Dieldrin	60-57-1	0.05	mg/kg		<0.05	<0.05	----	----	----
4,4'-DDE	72-55-9	0.05	mg/kg		<0.05	<0.05	----	----	----



## Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SS1	SS2	----	----	----
Sampling date / time					07-Sep-2022 00:00	07-Sep-2022 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2232298-001	ES2232298-002	-----	-----	-----
					Result	Result	----	----	----
<b>EP068A: Organochlorine Pesticides (OC) - Continued</b>									
Endrin	72-20-8	0.05	mg/kg		<0.05	<0.05	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg		<0.05	<0.05	----	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg		<0.05	<0.05	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg		<0.05	<0.05	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg		<0.05	<0.05	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg		<0.05	<0.05	----	----	----
4.4`-DDT	50-29-3	0.2	mg/kg		<0.2	<0.2	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg		<0.05	<0.05	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg		<0.2	<0.2	----	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg		<0.05	<0.05	----	----	----
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/50-2	0.05	mg/kg		<0.05	<0.05	----	----	----
<b>EP075(SIM)A: Phenolic Compounds</b>									
Phenol	108-95-2	0.5	mg/kg		<0.5	<0.5	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg		<0.5	<0.5	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg		<0.5	<0.5	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg		<1	<1	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg		<0.5	<0.5	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg		<0.5	<0.5	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg		<0.5	<0.5	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg		<0.5	<0.5	----	----	----
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg		<0.5	<0.5	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg		<0.5	<0.5	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg		<0.5	<0.5	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg		<2	<2	----	----	----
<b>EP075(SIM)B: Polynuclear Aromatic Hydrocarbons</b>									
Naphthalene	91-20-3	0.5	mg/kg		<0.5	<0.5	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg		<0.5	<0.5	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg		<0.5	<0.5	----	----	----
Fluorene	86-73-7	0.5	mg/kg		<0.5	<0.5	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg		<0.5	<0.5	----	----	----
Anthracene	120-12-7	0.5	mg/kg		<0.5	<0.5	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg		0.7	<0.5	----	----	----
Pyrene	129-00-0	0.5	mg/kg		0.7	<0.5	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg		<0.5	<0.5	----	----	----



## Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SS1	SS2	----	----	----
Sampling date / time					07-Sep-2022 00:00	07-Sep-2022 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2232298-001	ES2232298-002	-----	-----	-----
					Result	Result	----	----	----
<b>EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued</b>									
Chrysene	218-01-9	0.5	mg/kg		<0.5	<0.5	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg		<0.5	<0.5	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg		<0.5	<0.5	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg		<0.5	<0.5	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg		<0.5	<0.5	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg		<0.5	<0.5	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg		<0.5	<0.5	----	----	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg		1.4	<0.5	----	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg		<0.5	<0.5	----	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg		0.6	0.6	----	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg		1.2	1.2	----	----	----
<b>EP080/071: Total Petroleum Hydrocarbons</b>									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	----	----	----
C10 - C14 Fraction	----	50	mg/kg		<50	<50	----	----	----
C15 - C28 Fraction	----	100	mg/kg		<100	<100	----	----	----
C29 - C36 Fraction	----	100	mg/kg		<100	<100	----	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg		<50	<50	----	----	----
<b>EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions</b>									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	----	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	----	----	----
>C10 - C16 Fraction	----	50	mg/kg		<50	<50	----	----	----
>C16 - C34 Fraction	----	100	mg/kg		<100	<100	----	----	----
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	----	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	<50	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	<50	----	----	----
<b>EP080: BTEXN</b>									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	----	----	----
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	----	----	----
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	----	----	----



## Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	SS1	SS2	----	----	----
Sampling date / time					07-Sep-2022 00:00	07-Sep-2022 00:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2232298-001	ES2232298-002	-----	-----	-----
					Result	Result	----	----	----
<b>EP080: BTEXN - Continued</b>									
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	----	----	----
Naphthalene	91-20-3	1	mg/kg		<1	<1	----	----	----
<b>EP068S: Organochlorine Pesticide Surrogate</b>									
Dibromo-DDE	21655-73-2	0.05	%		85.8	82.8	----	----	----
<b>EP068T: Organophosphorus Pesticide Surrogate</b>									
DEF	78-48-8	0.05	%		71.0	60.6	----	----	----
<b>EP075(SIM)S: Phenolic Compound Surrogates</b>									
Phenol-d6	13127-88-3	0.5	%		105	102	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		90.3	82.2	----	----	----
2,4,6-Tribromophenol	118-79-6	0.5	%		81.6	83.1	----	----	----
<b>EP075(SIM)T: PAH Surrogates</b>									
2-Fluorobiphenyl	321-60-8	0.5	%		102	104	----	----	----
Anthracene-d10	1719-06-8	0.5	%		92.2	96.2	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		83.5	90.6	----	----	----
<b>EP080S: TPH(V)/BTEX Surrogates</b>									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		91.8	99.4	----	----	----
Toluene-D8	2037-26-5	0.2	%		86.1	93.7	----	----	----
4-Bromofluorobenzene	460-00-4	0.2	%		90.4	94.0	----	----	----

## Analytical Results

### Descriptive Results

Sub-Matrix: SOIL		
Method: Compound	Sample ID - Sampling date / time	Analytical Results
<b>EA200: AS 4964 - 2004 Identification of Asbestos in Soils</b>		
EA200: Description	SS1 - 07-Sep-2022 00:00	Soil sample.
EA200: Description	SS2 - 07-Sep-2022 00:00	Soil sample.





## Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
<b>EP068S: Organochlorine Pesticide Surrogate</b>			
Dibromo-DDE	21655-73-2	49	147
<b>EP068T: Organophosphorus Pesticide Surrogate</b>			
DEF	78-48-8	35	143
<b>EP075(SIM)S: Phenolic Compound Surrogates</b>			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2,4,6-Tribromophenol	118-79-6	40	138
<b>EP075(SIM)T: PAH Surrogates</b>			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
<b>EP080S: TPH(V)/BTEX Surrogates</b>			
1,2-Dichloroethane-D4	17060-07-0	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130

## Inter-Laboratory Testing

Analysis conducted by ALS Newcastle, NATA accreditation no. 825, site no. 1656 (Chemistry) 9854 (Biology).

(SOIL) EA200: AS 4964 - 2004 Identification of Asbestos in Soils

## QUALITY CONTROL REPORT

**Work Order** : **ES2232298**

**Page** : 1 of 8

**Client** : **AARGUS PTY LTD**

**Contact** : **MR MARK KELLY**

**Address** : **PO BOX 398  
DRUMMOYNE NSW, AUSTRALIA 2047**

**Telephone** : **1300137038**

**Project** : **ES8577 DETAILED SITE REPORT**

**Order number** : ----

**C-O-C number** : ----

**Sampler** : **SK**

**Site** : **NEWPORT**

**Quote number** : **EN/222**

**No. of samples received** : **2**

**No. of samples analysed** : **2**

**Laboratory** : **Environmental Division Sydney**

**Contact** : **Customer Services ES**

**Address** : **277-289 Woodpark Road Smithfield NSW Australia 2164**

**Telephone** : **+61-2-8784 8555**

**Date Samples Received** : **08-Sep-2022**

**Date Analysis Commenced** : **13-Sep-2022**

**Issue Date** : **20-Sep-2022**



Accreditation No. 825  
Accredited for compliance with  
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Alana Smylie	Team Leader - Asbestos	Newcastle - Asbestos, Mayfield West, NSW
Edwandy Fadjjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Wisam Marassa	Inorganics Coordinator	Sydney Inorganics, Smithfield, NSW



## General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key :  
 Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot  
 CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.  
 LOR = Limit of reporting  
 RPD = Relative Percentage Difference  
 # = Indicates failed QC

## Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 4579765)									
ES2231527-048	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	16	11	37.2	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	5	5	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	10	11	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	21	20	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	38	35	7.4	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 4579771)									
ES2231527-050	Anonymous	EA055: Moisture Content	----	0.1	%	18.7	18.7	0.0	0% - 50%
ES2231583-003	Anonymous	EA055: Moisture Content	----	0.1	%	31.7	31.7	0.0	0% - 20%
EP068A: Organochlorine Pesticides (OC) (QC Lot: 4574822)									
ES2232474-021	Anonymous	EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP068A: Organochlorine Pesticides (OC) (QC Lot: 4574822) - continued									
ES2232474-021	Anonymous	EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP075(SIM)A: Phenolic Compounds (QC Lot: 4574820)									
ES2232474-021	Anonymous	EP075(SIM): Phenol	108-95-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	<1	0.0	No Limit
		EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	<2	0.0	No Limit
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 4574820)									
ES2232474-021	Anonymous	EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(b+j)fluoranthene	205-99-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
			205-82-3						
		EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Indeno(1,2,3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Dibenzo(a,h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 4574820) - continued									
ES2232474-021	Anonymous	EP075(SIM): Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 4574821)									
ES2232474-021	Anonymous	EP071: C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 4576957)									
ES2232172-001	Anonymous	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
ES2232329-020	Anonymous	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 4574821)									
ES2232474-021	Anonymous	EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 4576957)									
ES2232172-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
ES2232329-020	Anonymous	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080: BTEXN (QC Lot: 4576957)									
ES2232172-001	Anonymous	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
			106-42-3						
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
ES2232329-020	Anonymous	EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.0	No Limit
		EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
			106-42-3						
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.0	No Limit		



## Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

Sub-Matrix: SOIL				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit			Result	LCS	Low
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 4579765)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	121.1 mg/kg	104	88.0	113
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	0.74 mg/kg	113	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	19.6 mg/kg	115	68.0	132
EG005T: Copper	7440-50-8	5	mg/kg	<5	52.9 mg/kg	107	89.0	111
EG005T: Lead	7439-92-1	5	mg/kg	<5	60.8 mg/kg	105	82.0	119
EG005T: Nickel	7440-02-0	2	mg/kg	<2	15.3 mg/kg	105	80.0	120
EG005T: Zinc	7440-66-6	5	mg/kg	<5	139.3 mg/kg	97.7	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 4579766)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.087 mg/kg	100	70.0	125
EP068A: Organochlorine Pesticides (OC) (QCLot: 4574822)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	97.3	69.0	113
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	93.9	65.0	117
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	89.8	67.0	119
EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	94.2	68.0	116
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	89.0	65.0	117
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	89.9	67.0	115
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	106	69.0	115
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	91.5	62.0	118
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	90.0	63.0	117
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	91.0	66.0	116
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	90.3	64.0	116
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	89.5	66.0	116
EP068: 4,4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	88.6	67.0	115
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	94.0	67.0	123
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	92.8	69.0	115
EP068: 4,4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	93.3	69.0	121
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	100	56.0	120
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	89.6	62.0	124
EP068: 4,4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	92.6	66.0	120
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	95.4	64.0	122
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	87.0	54.0	130
EP075(SIM)A: Phenolic Compounds (QCLot: 4574820)								
EP075(SIM): Phenol	108-95-2	0.5	mg/kg	<0.5	6 mg/kg	91.1	71.0	125
EP075(SIM): 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	6 mg/kg	89.9	72.0	124



Sub-Matrix: **SOIL**

Sub-Matrix: SOIL				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%) Low High	
Method: Compound	CAS Number	LOR	Unit	Result				
EP075(SIM)A: Phenolic Compounds (QCLot: 4574820) - continued								
EP075(SIM): 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	6 mg/kg	92.8	71.0	123
EP075(SIM): 3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	12 mg/kg	91.9	67.0	127
EP075(SIM): 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	6 mg/kg	84.5	54.0	114
EP075(SIM): 2,4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	6 mg/kg	95.5	68.0	126
EP075(SIM): 2,4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	6 mg/kg	92.0	66.0	120
EP075(SIM): 2,6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	6 mg/kg	94.1	70.0	120
EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	6 mg/kg	100	70.0	116
EP075(SIM): 2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	6 mg/kg	84.2	54.0	114
EP075(SIM): 2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	6 mg/kg	90.8	60.0	114
EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	12 mg/kg	43.7	10.0	80.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 4574820)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	6 mg/kg	92.5	77.0	125
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	6 mg/kg	97.6	72.0	124
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	6 mg/kg	91.9	73.0	127
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	6 mg/kg	96.3	72.0	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	6 mg/kg	94.6	75.0	127
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	6 mg/kg	102	77.0	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	6 mg/kg	91.9	73.0	127
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	6 mg/kg	101	74.0	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	6 mg/kg	89.3	69.0	123
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	6 mg/kg	91.9	75.0	127
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2	0.5	mg/kg	<0.5	6 mg/kg	94.3	68.0	116
	205-82-3							
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	6 mg/kg	89.5	74.0	126
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	6 mg/kg	91.2	70.0	126
EP075(SIM): Indeno(1,2,3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	6 mg/kg	98.6	61.0	121
EP075(SIM): Dibenz(a,h)anthracene	53-70-3	0.5	mg/kg	<0.5	6 mg/kg	95.6	62.0	118
EP075(SIM): Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	6 mg/kg	85.3	63.0	121
EP080/071: Total Petroleum Hydrocarbons (QCLot: 4574821)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	300 mg/kg	104	75.0	129
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	450 mg/kg	101	77.0	131
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	300 mg/kg	104	71.0	129
EP080/071: Total Petroleum Hydrocarbons (QCLot: 4576957)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	26 mg/kg	107	68.4	128
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 4574821)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	375 mg/kg	105	77.0	125
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	525 mg/kg	101	74.0	138
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	225 mg/kg	111	63.0	131





Sub-Matrix: SOIL				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result			Low	High
<b>EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 4576957)</b>								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	31 mg/kg	108	68.4	128
<b>EP080: BTEXN (QCLot: 4576957)</b>								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	106	62.0	116
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	110	67.0	121
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	107	65.0	117
EP080: meta- & para-Xylene	108-38-3	0.5	mg/kg	<0.5	2 mg/kg	95.8	66.0	118
	106-42-3							
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	108	68.0	120
EP080: Naphthalene	91-20-3	1	mg/kg	<1	1 mg/kg	94.1	63.0	119

## Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: SOIL				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 4579765)							
ES2231527-048	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	95.9	70.0	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	96.8	70.0	130
		EG005T: Chromium	7440-47-3	50 mg/kg	93.6	68.0	132
		EG005T: Copper	7440-50-8	250 mg/kg	97.6	70.0	130
		EG005T: Lead	7439-92-1	250 mg/kg	95.8	70.0	130
		EG005T: Nickel	7440-02-0	50 mg/kg	106	70.0	130
		EG005T: Zinc	7440-66-6	250 mg/kg	101	66.0	133
EG035T: Total Recoverable Mercury by FIMS (QCLot: 4579766)							
ES2231527-048	Anonymous	EG035T: Mercury	7439-97-6	5 mg/kg	92.9	70.0	130
EP068A: Organochlorine Pesticides (OC) (QCLot: 4574822)							
ES2232474-021	Anonymous	EP068: gamma-BHC	58-89-9	0.5 mg/kg	91.9	70.0	130
		EP068: Heptachlor	76-44-8	0.5 mg/kg	87.2	70.0	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	83.6	70.0	130
		EP068: Dieldrin	60-57-1	0.5 mg/kg	92.4	70.0	130
		EP068: Endrin	72-20-8	2 mg/kg	83.4	70.0	130
		EP068: 4,4`-DDT	50-29-3	2 mg/kg	83.2	70.0	130
EP075(SIM)A: Phenolic Compounds (QCLot: 4574820)							
ES2232474-021	Anonymous	EP075(SIM): Phenol	108-95-2	10 mg/kg	91.2	70.0	130
		EP075(SIM): 2-Chlorophenol	95-57-8	10 mg/kg	88.7	70.0	130
		EP075(SIM): 2-Nitrophenol	88-75-5	10 mg/kg	79.9	60.0	130





Sub-Matrix: **SOIL**

Sub-Matrix: SOIL				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP075(SIM)A: Phenolic Compounds (QCLot: 4574820) - continued							
ES2232474-021	Anonymous	EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	10 mg/kg	102	70.0	130
		EP075(SIM): Pentachlorophenol	87-86-5	10 mg/kg	62.9	20.0	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 4574820)							
ES2232474-021	Anonymous	EP075(SIM): Acenaphthene	83-32-9	10 mg/kg	86.5	70.0	130
		EP075(SIM): Pyrene	129-00-0	10 mg/kg	99.0	70.0	130
EP080/071: Total Petroleum Hydrocarbons (QCLot: 4574821)							
ES2232474-021	Anonymous	EP071: C10 - C14 Fraction	----	480 mg/kg	97.3	73.0	137
		EP071: C15 - C28 Fraction	----	3100 mg/kg	102	53.0	131
		EP071: C29 - C36 Fraction	----	2060 mg/kg	115	52.0	132
EP080/071: Total Petroleum Hydrocarbons (QCLot: 4576957)							
ES2232172-001	Anonymous	EP080: C6 - C9 Fraction	----	32.5 mg/kg	113	70.0	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 4574821)							
ES2232474-021	Anonymous	EP071: >C10 - C16 Fraction	----	860 mg/kg	104	73.0	137
		EP071: >C16 - C34 Fraction	----	4320 mg/kg	106	53.0	131
		EP071: >C34 - C40 Fraction	----	890 mg/kg	116	52.0	132
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 4576957)							
ES2232172-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	37.5 mg/kg	113	70.0	130
EP080: BTEXN (QCLot: 4576957)							
ES2232172-001	Anonymous	EP080: Benzene	71-43-2	2.5 mg/kg	110	70.0	130
		EP080: Toluene	108-88-3	2.5 mg/kg	102	70.0	130
		EP080: Ethylbenzene	100-41-4	2.5 mg/kg	102	70.0	130
		EP080: meta- & para-Xylene	108-38-3	2.5 mg/kg	99.4	70.0	130
			106-42-3				
		EP080: ortho-Xylene	95-47-6	2.5 mg/kg	105	70.0	130
		EP080: Naphthalene	91-20-3	2.5 mg/kg	90.3	70.0	130

## QA/QC Compliance Assessment to assist with Quality Review

Work Order	: ES2232298	Page	: 1 of 5
Client	: AARGUS PTY LTD	Laboratory	: Environmental Division Sydney
Contact	: MR MARK KELLY	Telephone	: +61-2-8784 8555
Project	: ES8577 DETAILED SITE REPORT	Date Samples Received	: 08-Sep-2022
Site	: NEWPORT	Issue Date	: 20-Sep-2022
Sampler	: SK	No. of samples received	: 2
Order number	: ----	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

### Summary of Outliers

#### Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO** Method Blank value outliers occur.
- **NO** Duplicate outliers occur.
- **NO** Laboratory Control outliers occur.
- **NO** Matrix Spike outliers occur.
- For all regular sample matrices, **NO** surrogate recovery outliers occur.

#### Outliers : Analysis Holding Time Compliance

- **NO** Analysis Holding Time Outliers exist.

#### Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers exist - please see following pages for full details.



## Outliers : Frequency of Quality Control Samples

Matrix: **SOIL**

Quality Control Sample Type	Count		Rate (%)		Quality Control Specification
Method	QC	Regular	Actual	Expected	
Laboratory Duplicates (DUP)					
Total Mercury by FIMS	0	6	0.00	10.00	NEPM 2013 B3 & ALS QC Standard

## Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for VOC in soils vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: ✖ = Holding time breach ; ✔ = Within holding time.

Method	Sample Date	Extraction / Preparation			Analysis		
Container / Client Sample ID(s)		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
Soil Glass Jar - Unpreserved (EA055) SS1, SS2	07-Sep-2022	----	----	----	14-Sep-2022	21-Sep-2022	✓
EA200: AS 4964 - 2004 Identification of Asbestos in Soils							
Snap Lock Bag - Friable Asbestos/PSD Bag (EA200) SS1, SS2	07-Sep-2022	----	----	----	13-Sep-2022	06-Mar-2023	✓
EG005(ED093)T: Total Metals by ICP-AES							
Soil Glass Jar - Unpreserved (EG005T) SS1, SS2	07-Sep-2022	14-Sep-2022	06-Mar-2023	✓	15-Sep-2022	06-Mar-2023	✓
EG035T: Total Recoverable Mercury by FIMS							
Soil Glass Jar - Unpreserved (EG035T) SS1, SS2	07-Sep-2022	14-Sep-2022	05-Oct-2022	✓	15-Sep-2022	05-Oct-2022	✓
EP068A: Organochlorine Pesticides (OC)							
Soil Glass Jar - Unpreserved (EP068) SS1, SS2	07-Sep-2022	14-Sep-2022	21-Sep-2022	✓	15-Sep-2022	24-Oct-2022	✓
EP075(SIM)A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075(SIM)) SS1, SS2	07-Sep-2022	14-Sep-2022	21-Sep-2022	✓	15-Sep-2022	24-Oct-2022	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM)) SS1, SS2	07-Sep-2022	14-Sep-2022	21-Sep-2022	✓	15-Sep-2022	24-Oct-2022	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP080) SS1, SS2	07-Sep-2022	13-Sep-2022	21-Sep-2022	✓	15-Sep-2022	21-Sep-2022	✓
Soil Glass Jar - Unpreserved (EP071) SS1, SS2	07-Sep-2022	14-Sep-2022	21-Sep-2022	✓	15-Sep-2022	24-Oct-2022	✓

Page : 3 of 5  
 Work Order : ES2232298  
 Client : AARGUS PTY LTD  
 Project : ES8577 DETAILED SITE REPORT



Matrix: **SOIL**

Evaluation: ✖ = Holding time breach ; ✔ = Within holding time.

Method	Sample Date	Extraction / Preparation			Analysis			
Container / Client Sample ID(s)		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
Soil Glass Jar - Unpreserved (EP080)								
SS1, SS2	07-Sep-2022	13-Sep-2022	21-Sep-2022	✓	15-Sep-2022	21-Sep-2022		✓
Soil Glass Jar - Unpreserved (EP071)								
SS1, SS2	07-Sep-2022	14-Sep-2022	21-Sep-2022	✓	15-Sep-2022	24-Oct-2022		✓
EP080: BTEXN								
Soil Glass Jar - Unpreserved (EP080)								
SS1, SS2	07-Sep-2022	13-Sep-2022	21-Sep-2022	✓	15-Sep-2022	21-Sep-2022		✓



## Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: ✖ = Quality Control frequency not within specification ; ✔ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	Evaluation	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	0	6	0.00	10.00	✗	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	7	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	2	16	12.50	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	6	16.67	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	16	6.25	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	6	16.67	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	16	6.25	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
PAH/Phenols (SIM)	EP075(SIM)	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	6	16.67	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	16	6.25	5.00	✓	NEPM 2013 B3 & ALS QC Standard



## Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Asbestos Identification in Soils	EA200	SOIL	AS 4964 Method for the qualitative identification of asbestos in bulk samples Analysis by Polarised Light Microscopy including dispersion staining
Total Metals by ICP-AES	EG005T	SOIL	In house: Referenced to APHA 3120; USEPA SW 846 - 6010. Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl <sub>2</sub> ) (Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl <sub>2</sub> which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3)
Pesticides by GCMS	EP068	SOIL	In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM Schedule B(3).
TRH - Semivolatile Fraction	EP071	SOIL	In house: Referenced to USEPA SW 846 - 8015 Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C40. Compliant with NEPM Schedule B(3).
PAH/Phenols (SIM)	EP075(SIM)	SOIL	In house: Referenced to USEPA SW 846 - 8270. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH Volatiles/BTEX	EP080	SOIL	In house: Referenced to USEPA SW 846 - 8260. Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. Compliant with NEPM Schedule B(3) amended.
Preparation Methods	Method	Matrix	Method Descriptions
Hot Block Digest for metals in soils sediments and sludges	EN69	SOIL	In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM Schedule B(3).
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	In house: Referenced to USEPA SW 846 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids	ORG17	SOIL	In house: Mechanical agitation (tumbler). 10g of sample, Na <sub>2</sub> SO <sub>4</sub> and surrogate are extracted with 30mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis.

## SAMPLE RECEIPT NOTIFICATION (SRN)

**Work Order : ES2232298**

<p>Client : <b>AARGUS PTY LTD</b></p> <p>Contact : MR MARK KELLY</p> <p>Address : PO BOX 398 DRUMMOYNE NSW, AUSTRALIA 2047</p> <p>E-mail : mark.kelly@aargus.net</p> <p>Telephone : 1300137038</p> <p>Facsimile : 1300136038</p> <p>Project : ES8577 DETAILED SITE REPORT</p> <p>Order number : ----</p> <p>C-O-C number : ----</p> <p>Site : NEWPORT</p> <p>Sampler : SK</p>	<p>Laboratory : Environmental Division Sydney</p> <p>Contact : Customer Services ES</p> <p>Address : 277-289 Woodpark Road Smithfield NSW Australia 2164</p> <p>E-mail : ALSEnviro.Sydney@ALSGlobal.com</p> <p>Telephone : +61-2-8784 8555</p> <p>Facsimile : +61-2-8784 8500</p> <p>Page : 1 of 3</p> <p>Quote number : EB2017AARGUS0001 (EN/222)</p> <p>QC Level : NEPM 2013 B3 &amp; ALS QC Standard</p>
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### *Dates*

Date Samples Received : 08-Sep-2022 18:53	Issue Date : 12-Sep-2022
Client Requested Due Date : 16-Sep-2022	Scheduled Reporting Date : <b>16-Sep-2022</b>

### *Delivery Details*

Mode of Delivery : Carrier	Security Seal : Not Available
No. of coolers/boxes : 1	Temperature : 21.8
Receipt Detail : ESKY	No. of samples received / analysed : 2 / 2

### *General Comments*

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.



## Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- No sample container / preservation non-compliance exists.

## Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.

If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: SOIL

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EA200 Asbestos Identification in Soils -	SOIL - EP068A (solids) Organochlorine Pesticides by GCMS	SOIL - EP075 SIM Phenols only SIM - Phenols only	SOIL - S-26 8 metals/TRH/BTEXN/PAH
ES2232298-001	07-Sep-2022 00:00	SS1	✓	✓	✓	✓	✓
ES2232298-002	07-Sep-2022 00:00	SS2	✓	✓	✓	✓	✓

## Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.



## ACCOUNTS PAYABLE

Email            anika@aargus.net

- *AU Certificate of Analysis - NATA (COA)	Email	admin@aaargus.net
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	admin@aaargus.net
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	admin@aaargus.net
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	admin@aaargus.net
- A4 - AU Tax Invoice (INV)	Email	admin@aaargus.net
- Chain of Custody (CoC) (COC)	Email	admin@aaargus.net
- EDI Format - ESDAT (ESDAT)	Email	admin@aaargus.net
- EDI Format - XTab (XTAB)	Email	admin@aaargus.net

- *AU Certificate of Analysis - NATA (COA)	Email	cynthia@aarqus.net
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	cynthia@aarqus.net
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	cynthia@aarqus.net
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	cynthia@aarqus.net
- A4 - AU Tax Invoice (INV)	Email	cynthia@aarqus.net
- Chain of Custody (CoC) (COC)	Email	cynthia@aarqus.net
- EDI Format - ESDAT (ESDAT)	Email	cynthia@aarqus.net
- EDI Format - XTab (XTAB)	Email	cynthia@aarqus.net

- *AU Certificate of Analysis - NATA (COA)	Email	divyansh@aargus.net
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	divyansh@aargus.net
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	divyansh@aargus.net
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	divyansh@aargus.net
- Chain of Custody (CoC) (COC)	Email	divyansh@aargus.net
- EDI Format - ESDAT (ESDAT)	Email	divyansh@aargus.net
- EDI Format - XTab (XTAB)	Email	divyansh@aargus.net

- *AU Certificate of Analysis - NATA (COA)	Email	mark.kelly@aargus.net
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	mark.kelly@aargus.net
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	mark.kelly@aargus.net
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	mark.kelly@aargus.net
- A4 - AU Tax Invoice (INV)	Email	mark.kelly@aargus.net
- Chain of Custody (CoC) (COC)	Email	mark.kelly@aargus.net
- EDI Format - ESDAT (ESDAT)	Email	mark.kelly@aargus.net
- EDI Format - XTab (XTAB)	Email	mark.kelly@aargus.net

- *AU Certificate of Analysis - NATA (COA)	Email	sagar@aarqus.net
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	sagar@aarqus.net
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	sagar@aarqus.net
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	sagar@aarqus.net
- Chain of Custody (CoC) (COC)	Email	sagar@aarqus.net
- EDI Format - ESDAT (ESDAT)	Email	sagar@aarqus.net
- EDI Format - XTab (XTAB)	Email	sagar@aarqus.net

UPDATED COC

AARGUS PTY LTD

46 Smithfield Road  
Smithfield NSW 2164

P O Box 398 Tel: 1300 137 038  
DRUMMOYNE NSW 1470 Fax: 1300 136 038

Email reports: admin@aargus.net; cynthia@aargus.net; divyansh@aargus.net; saagar@aargus.net; mark.kelly@aargus.net  
Email invoices: anika@aargus.net; admin@aargus.net; cynthia@aargus.net; mark.kelly@aargus.net

Laboratory Test Request / Chain of Custody Record

TO: ALS (Australian Laboratory Services)   Environmental 277 - 289 Woodpark Road SMITHFIELD, NSW 2164		Sampling Date: 07.09.2022	Job No: ES8577	1 of 1
PH: 02 8784 8555	FAX: 02 8784 8500	Sampled By: SK	Project: Detailed Site Investigation	
ATTN: Samples Receipt		Project Manager: MK	Location: Newport	

Sampling details			Sample type		Results required by: STANDARD									
Location	Depth (m)	Date	Soil	Water (Filled Up)	Air	Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Zn)	TPH	BTEX	PAH	OC	PHENOLS	Asbestos %w/w	Analysis Suite(s)	KEEP SAMPLE?
SS1	-	07.09.2022	DSG,DSP			✓	✓	✓	✓	✓		✓	SZ6	YES
SS2	-	07.09.2022	DSG,DSP			✓	✓	✓	✓	✓		✓	SZ6	YES
Relinquished by			Received by											
Name			Signature		Date		Name		Signature		Date			
SAGAR			SK		08.09.2022									

Legend:  
WG Water sample, glass bottle  
W/P Water sample, plastic bottle  
GV Glass vial  
USG Undisturbed soil sample (glass jar)  
DSG Disturbed soil sample (glass jar)  
OTH Other  
DSP Disturbed soil sample (small plastic bag)  
✓ Test required  
ACAN Air sample, canister

® mole H/Yonne

Environmental Division  
Sydney  
Work Order Reference  
ES2232298

Rec'd & 08/09/22 1853



Telephone : +61-2-8794 8555



# AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET104388 / 107568 / 1 - 19  
Your ref : ES8577 – Detailed Site Investigation - Newport  
**NATA Accreditation No: 14484**

5 October 2022

Aargus Pty Ltd  
46 Smithfield Road  
Smithfield NSW 2165



**Attn: Mr Mark Kelly**

**Accredited for compliance with ISO/IEC 17025 -Testing.**

Dear Mark

## **Asbestos Identification**

This report presents the results of nineteen samples, forwarded by Aargus Pty Ltd on 8 September 2022, for analysis for asbestos. This report supersedes the report issued on 12 September 2022.

**1.Introduction:** Nineteen samples forwarded were examined and analysed for the presence of asbestos on 9 and 12 September 2022.

**2. Methods :** The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining method (**Australian Standard AS4964 - 2004 and Safer Environment Method 1 as the supplementary work instruction**) (**Qualitative Analysis only**).

The report also provides approximate weights and percentages, categories of asbestos forms appearing in the sample, such as **AF**(Asbestos Fines), **FA**(Friable Asbestos and **ACM** (Asbestos Containing Material), also satisfying the requirements of the NEPM Guidelines)

**3. Results :** **Sample No. 1. ASET104388 / 107568 / 1. BH1 - 0-0.1.**  
Approx dimensions 10.0 cm x 10.0 cm x 5.5 cm  
Approximate total dry weight of soil = 550.0g.  
The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, paint flakes, stones and plant matter.  
**No asbestos detected.**

**Sample No. 2. ASET104388 / 107568 / 2. BH2 - 0-0.1.**  
Approx dimensions 10.0 cm x 10.0 cm x 6.3 cm  
Approximate total dry weight of soil = 625.0g.  
The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, plastic like material, paint flakes, stones and plant matter.  
**No asbestos detected.**

**Sample No. 3. ASET104388 / 107568 / 3. BH3 - 0-0.1.**  
Approx dimensions 10.0 cm x 10.0 cm x 5.2 cm  
Approximate total dry weight of soil = 521.0g.  
The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of ceramic tile, glass, stones and plant matter.  
**No asbestos detected.**

SUITE 710 / 90 GEORGE STREET, HORNSBY NSW 2077 – P.O. BOX 1644 HORNSBY WESTFIELD NSW 1635  
PHONE: (02) 99872183 FAX: (02)99872151 EMAIL: [info@ausset.com.au](mailto:info@ausset.com.au) WEBSITE: [www.Ausset.com.au](http://www.Ausset.com.au)

OCCUPATIONAL HEALTH & SAFETY STUDIES • INDOOR AIR QUALITY SURVEYS • HAZARDOUS MATERIAL SURVEYS • RADIATION SURVEYS • ASBESTOS SURVEYS  
ASBESTOS DETECTION & IDENTIFICATION • REPAIR & CALIBRATION OF SCIENTIFIC EQUIPMENT • AIRBORNE FIBRE & SILICA MONITORING



**Sample No. 4. ASET104388 / 107568 / 4. BH4 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.4 cm

Approximate total dry weight of soil = 540.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, paint flakes, stones and plant matter.

**No asbestos detected.**

**Sample No. 5. ASET104388 / 107568 / 5. BH5 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 6.9 cm

Approximate total dry weight of soil = 688.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of cement-like material, paint flakes, stones and plant matter.

**No asbestos detected.**

**Sample No. 6. ASET104388 / 107568 / 6. BH6 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.3 cm

Approximate total dry weight of soil = 527.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, sandstone, stones and plant matter.

**No asbestos detected.**

**Sample No. 7. ASET104388 / 107568 / 7. BH7 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.6 cm

The sample consisted of a mixture of clayish sandy soil, organic fibres, synthetic mineral fibres, fibres<sup>^</sup> (AF), fragments of plastic and metal, stones and plant matter.

**Chrysotile<sup>^</sup> (Approximate estimated weight = 0.00019g) asbestos detected.**

**Approximate total dry weight of soil = 561.0g.**

**Approximate estimated weight of asbestos in soil in the form of AF = 0.00019g.**

**Approximate w/w percentage of asbestos in soil in the form of AF = 0.00003%.**

**Sample No. 8. ASET104388 / 107568 / 8. BH8 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.7 cm

Approximate total dry weight of soil = 566.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, aluminium foil, plastic, stones and plant matter.

**No asbestos detected.**

**Sample No. 9. ASET104388 / 107568 / 9. BH9 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 6.6 cm

Approximate total dry weight of soil = 657.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, plastic, shale, stones and plant matter.

**No asbestos detected.**

**Sample No. 10. ASET104388 / 107568 / 10. BH10 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.3 cm

Approximate total dry weight of soil = 534.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, animal matter, stones and plant matter.

**No asbestos detected.**



**Sample No. 11. ASET104388 / 107568 / 11. BH11 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 3.6 cm

Approximate total dry weight of soil = 360.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, stones and plant matter.

**No asbestos detected.**

**Sample No. 12. ASET104388 / 107568 / 12. BH12 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 4.8 cm

Approximate total dry weight of soil = 484.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of plastic, soft mastic, stones and plant matter.

**No asbestos detected.**

**Sample No. 13. ASET104388 / 107568 / 13. BH13 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 6.6 cm

Approximate total dry weight of soil = 664.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, animal matter, stones and plant matter.

**No asbestos detected.**

**Sample No. 14. ASET104388 / 107568 / 14. BH14 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 7.7 cm

Approximate total dry weight of soil = 767.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of plastic, stones and plant matter.

**No asbestos detected.**

**Sample No. 15. ASET104388 / 107568 / 15. BH15 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.4 cm

Approximate total dry weight of soil = 540.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, shale, stones and plant matter.

**No asbestos detected.**

**Sample No. 16. ASET104388 / 107568 / 16. BH16 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 6.3 cm

Approximate total dry weight of soil = 629.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, stones and plant matter.

**No asbestos detected.**

**Sample No. 17. ASET104388 / 107568 / 17. BH17 - 0-0.1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.8 cm

Approximate total dry weight of soil = 576.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, animal matter, stones and plant matter.

**No asbestos detected.**

**Sample No. 18. ASET104388 / 107568 / 18. DUPLICATE D1.**

Approx dimensions 10.0 cm x 10.0 cm x 5.5 cm

Approximate total dry weight of soil = 551.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, stones and plant matter.

**No asbestos detected.**



**Sample No. 19. ASET104388 / 107568 / 19. DUPLICATE D2.**

Approx dimensions 10.0 cm x 10.0 cm x 5.6 cm

Approximate total dry weight of soil = 561.0g.

The sample consisted of a mixture of clayish sandy soil, organic fibres, fragments of glass, animal matter, stones and plant matter.

**No asbestos detected.**

Reported by,

**Mahen De Silva. BSc, MSc, Grad Dip (Occ Hyg)**  
**Occupational Hygienist / Approved Identifier.**  
**Approved Signatory**



**Accredited for compliance with ISO/IEC 17025 -Testing.**

*This report is consistent with the analytical procedures and reporting recommendations in the Western Australia Guidelines for the Assessment Remediation and Management of Asbestos contaminated sites in Western Australia and it also satisfies the requirements of the current NEPM Guidelines. NATA Accreditation does not cover the performance of this service.*

**Disclaimers;**

*The approximate weights given above can be used only as a guide. They do not represent absolute weights of each kind of asbestos, as it is impossible to extract all loose fibres from soil and other asbestos containing building material samples using this method. However above figures may be used as closest approximations to the exact values in each case. Estimation and/ or reporting of asbestos fibre weights in asbestos containing materials and soil is out of the Scope of the NATA Accreditation. NATA Accreditation only covers the qualitative part of the results reported. This weight disclaimer also covers weight / weight percentages if given.*

**ACM - Asbestos Containing Material - Products or materials that contain asbestos in an inert bound matrix such as cement or resin. Here taken to be sound material, even as fragments and not fitting through a 7mm X 7 mm sieve.**

**AF -Includes asbestos free fibres, small fibre bundles and also ACM fragments that pass through a 7mm X 7 mm sieve.**

**FA -Friable asbestos material such as severely weathered ACM, and asbestos in the form of loose fibrous material such as insulation products.**

**^ denotes loose fibres of relevant asbestos types detected in soil/dust.**

**\* denotes asbestos detected in ACM in bonded form.**

**# denotes friable asbestos as soft fibro plaster and/ or highly weathered ACM that will easily crumble.**

**λ denotes samples that have been analysed only in accordance to AS 4964 – 2004.**

**Ω Sample volume criteria of 500mL have not been satisfied.**

*The results contained in this report relate only to the sample/s submitted for testing. Australian Safer Environment & Technology accepts no responsibility for whether or not the submitted sample/s is/are representative. Results indicating "No asbestos detected" indicates a reporting limit specified in AS4964 -2004 which is 0.1g/ Kg (0.01%). Any amounts*



*detected at assumed lower level than that would be reported, however those assumed lower levels may be treated as "No asbestos detected" as specified and recommended by AS4964-2004. Trace / respirable level asbestos will be reported only when detected and trace analysis have been performed on each sample as required by AS4964-2004. When loose asbestos fibres/ fibre bundles are detected and reported that means they are larger handpicked fibres/ fibre bundles, and they do not represent respirable fibres. Dust/soil samples are always subjected to trace analysis except where the amounts involved are extremely minute and trace analysis is not possible to be carried out. When trace analysis is not performed on dust samples it will be indicated in the report that trace analysis has not been carried out due to the volume of the sample being extremely minute.*

*Estimation of asbestos weights involves the use of following assumptions;*

*Volume of each kind of Asbestos present in broken edges have been visually estimated and its been assumed that volumes remain similar throughout the binding matrix and those volumes are only approximate and not exact. Material densities have been assumed to be similar to commonly found similar materials and may not be exact.*

**All samples indicating "No asbestos detected" are assumed to be less than 0.001% for friable AF and FA portions detected and 0.01 % for ACM detected unless the approximate weight is given.**



ASET104388/107568/1-19

# AARGUS PTY LTD

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DRUMMOYNE NSW 1470 Fax: 1 300 136 038

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Email in voices: anika@aargus.net; admin@aargus.net; cynthia@aargus.net; mark.kelly@aargus.net

## Laboratory Test Request / Chain of Custody Record

1 of 1

<b>TO:</b> ASET - Australian Safer Environment & Technology Pty Ltd, Sydney Suite 710 / 90 George Street PO Box 1644 HORNSBY, NSW 2077 HORNSBY WESTFIELD NSW 1635				<b>Sampling Date:</b> 07.09.2022		<b>Job No:</b> ES8577	
<b>PH:</b> 02 9987 2183 <b>ATTN:</b> Samples Receipt				<b>FAX:</b> 02 9987 2151 <b>EMAIL:</b> aaset@bigpond.net.au		<b>Sampled By:</b> SK <b>Project:</b> Detailed Site Investigation	
				<b>Project Manager:</b> MK		<b>Location:</b> Newport	

### Sampling details

### Sample type

### Results required by: STANDARD

Location	Depth (m)	Date	Soil Samples	Asbestos presence/absence	Asbestos %w/w									KEEP SAMPLE?
BH1	0-0.1	07.09.2022	DSC		✓									YES
BH2	0-0.1	07.09.2022	DSC		✓									YES
BH3	0-0.1	07.09.2022	DSC		✓									YES
BH4	0-0.1	07.09.2022	DSC		✓									YES
BH5	0-0.1	07.09.2022	DSC		✓									YES
BH6	0-0.1	07.09.2022	DSC		✓									YES
BH7	0-0.1	07.09.2022	DSC		✓									YES
BH8	0-0.1	07.09.2022	DSC		✓									YES
BH9	0-0.1	07.09.2022	DSC		✓									YES
BH10	0-0.1	07.09.2022	DSC		✓									YES
BH11	0-0.1	07.09.2022	DSC		✓									YES
BH12	0-0.1	07.09.2022	DSC		✓									YES
BH13	0-0.1	07.09.2022	DSC		✓									YES
BH14	0-0.1	07.09.2022	DSC		✓									YES
BH15	0-0.1	07.09.2022	DSC		✓									YES
BH16	0-0.1	07.09.2022	DSC		✓									YES
BH17	0-0.1	07.09.2022	DSC		✓									YES
DUPLICATE D1	-	07.09.2022	DSP		✓									YES
DUPLICATE D2	-	07.09.2022	DSP		✓									YES

08 SEP 2022

### Relinquished by

### Received by

Name	Signature	Date	Name	Signature	Date
SAGAR	SK	08.09.2022			8/9/22 4:30p

### Legend:

WG	Water sample, glass bottle	USG	Undisturbed soil sample (glass jar)	DSP	Disturbed soil sample (small plastic bag)
WP	Water sample, plastic bottle	DSG	Disturbed soil sample (glass jar)	✓	Test required
GV	Glass vial	OTH	Other	ACAN	Air sample, canister

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Aargus Pty Ltd  
6 Carter Street  
Lidcombe  
NSW 2141



**NATA Accredited**  
**Accreditation Number 1261**  
**Site Number 18217**

Accredited for compliance with ISO/IEC 17025 – Testing  
NATA is a signatory to the ILAC Mutual Recognition  
Arrangement for the mutual recognition of the  
equivalence of testing, medical testing, calibration,  
inspection, proficiency testing scheme providers and  
reference materials producers reports and certificates.

**Attention:** - ALL INVOICES/SRA - Mark Kelly

**Report** 921905-S  
**Project name** DETAILED SITE INVESTIGATION NEWPORT  
**Project ID** ES8577  
**Received Date** Sep 08, 2022

Client Sample ID			BH1 0-0.1	BH1 0.9-1	BH2 0-0.1	BH2 0.9-1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018341	S22-Se0018342	S22-Se0018343	S22-Se0018344
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	63	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	63	-	< 50	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	133	-	98	-
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-

Client Sample ID			BH1 0-0.1	BH1 0.9-1	BH2 0-0.1	BH2 0.9-1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018341	S22-Se0018342	S22-Se0018343	S22-Se0018344
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Polycyclic Aromatic Hydrocarbons</b>						
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	51	-	96	-
p-Terphenyl-d14 (surr.)	1	%	51	-	95	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	17	7.6	15	7.9
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	47	13	62
Copper	5	mg/kg	23	7.5	30	< 5
Lead	5	mg/kg	160	27	330	24
Mercury	0.1	mg/kg	0.1	0.1	0.2	< 0.1
Nickel	5	mg/kg	< 5	8.0	6.7	< 5
Zinc	5	mg/kg	210	16	410	39
% Moisture	1	%	23	30	24	25

Client Sample ID			BH3 0-0.1	BH3 0.7-0.8	BH4 0-0.1	BH4 0.6-0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018345	S22-Se0018346	S22-Se0018347	S22-Se0018348
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	93	-	-	-

Client Sample ID			BH3 0-0.1	BH3 0.7-0.8	BH4 0-0.1	BH4 0.6-0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018345	S22-Se0018346	S22-Se0018347	S22-Se0018348
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	-	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	0.7	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	0.7	-	-	-
Total PAH*	0.5	mg/kg	1.4	-	-	-
2-Fluorobiphenyl (surr.)	1	%	97	-	-	-
p-Terphenyl-d14 (surr.)	1	%	97	-	-	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	9.3	11	9.9	9.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	12	36	14	31
Copper	5	mg/kg	33	5.7	19	8.4
Lead	5	mg/kg	240	37	260	95
Mercury	0.1	mg/kg	0.2	< 0.1	0.2	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	260	56	270	74
% Moisture	1	%	21	23	24	21
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-

Client Sample ID			BH3 0-0.1	BH3 0.7-0.8	BH4 0-0.1	BH4 0.6-0.7
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018345	S22-Se0018346	S22-Se0018347	S22-Se0018348
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Organochlorine Pesticides</b>						
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchloroendate (surr.)	1	%	101	-	121	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	119	-
<b>Polychlorinated Biphenyls</b>						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchloroendate (surr.)	1	%	101	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	103	-	-	-

Client Sample ID			BH5 0-0.1	BH5 0.7-0.8	BH6 0-0.1	BH6 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018349	S22-Se0018350	S22-Se0018351	S22-Se0018352
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	63	-
TRH C29-C36	50	mg/kg	< 50	-	69	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	132	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	110	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	110	-
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-

Client Sample ID			BH5 0-0.1	BH5 0.7-0.8	BH6 0-0.1	BH6 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018349	S22-Se0018350	S22-Se0018351	S22-Se0018352
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>BTEX</b>						
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	101	-	97	-
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	78	-	96	-
p-Terphenyl-d14 (surr.)	1	%	100	-	97	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	10	16	18	11
Cadmium	0.4	mg/kg	< 0.4	< 0.4	0.6	< 0.4
Chromium	5	mg/kg	19	28	23	26
Copper	5	mg/kg	18	< 5	400	17
Lead	5	mg/kg	140	21	160	21
Mercury	0.1	mg/kg	0.1	< 0.1	2.8	0.2
Nickel	5	mg/kg	< 5	< 5	9.4	< 5
Zinc	5	mg/kg	120	29	260	22
% Moisture	1	%	20	20	32	24
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4,4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-

Client Sample ID			BH5 0-0.1	BH5 0.7-0.8	BH6 0-0.1	BH6 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018349	S22-Se0018350	S22-Se0018351	S22-Se0018352
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Organochlorine Pesticides</b>						
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchloroendate (surr.)	1	%	103	-	100	-
Tetrachloro-m-xylene (surr.)	1	%	109	-	105	-
<b>Polychlorinated Biphenyls</b>						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchloroendate (surr.)	1	%	103	-	100	-
Tetrachloro-m-xylene (surr.)	1	%	109	-	105	-

Client Sample ID			BH7 0-0.1	BH7 0.8-0.9	BH8 0-0.1	BH8 0.8-0.9
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018353	S22-Se0018354	S22-Se0018355	S22-Se0018356
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	-	-	< 20	-
TRH C10-C14	20	mg/kg	-	-	21	-
TRH C15-C28	50	mg/kg	-	-	120	-
TRH C29-C36	50	mg/kg	-	-	78	-
TRH C10-C36 (Total)	50	mg/kg	-	-	219	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	-	-	< 0.5	-
TRH C6-C10	20	mg/kg	-	-	< 20	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	-	-	< 20	-
TRH >C10-C16	50	mg/kg	-	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	-	-	< 50	-
TRH >C16-C34	100	mg/kg	-	-	170	-
TRH >C34-C40	100	mg/kg	-	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	-	170	-

Client Sample ID			BH7 0-0.1	BH7 0.8-0.9	BH8 0-0.1	BH8 0.8-0.9
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018353	S22-Se0018354	S22-Se0018355	S22-Se0018356
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>BTEX</b>						
Benzene	0.1	mg/kg	-	-	< 0.1	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	-	99	-
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	1.2	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	-	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	-	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Phenanthrene	0.5	mg/kg	-	-	< 0.5	-
Pyrene	0.5	mg/kg	-	-	< 0.5	-
Total PAH*	0.5	mg/kg	-	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	-	97	-
p-Terphenyl-d14 (surr.)	1	%	-	-	93	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	11	6.6	12	3.2
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	19	26	16	40
Copper	5	mg/kg	26	< 5	23	6.4
Lead	5	mg/kg	470	17	210	15
Mercury	0.1	mg/kg	0.5	< 0.1	0.2	0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	380	47	290	5.1
% Moisture	1	%	23	22	23	23
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	27	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	6.6	-	-
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	-	-
4,4'-DDD	0.05	mg/kg	< 0.05	-	-	-
4,4'-DDE	0.05	mg/kg	< 0.05	-	-	-
4,4'-DDT	0.05	mg/kg	< 0.05	-	-	-
a-HCH	0.05	mg/kg	< 0.05	-	-	-

Client Sample ID			BH7 0-0.1	BH7 0.8-0.9	BH8 0-0.1	BH8 0.8-0.9
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018353	S22-Se0018354	S22-Se0018355	S22-Se0018356
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Organochlorine Pesticides</b>						
Aldrin	0.05	mg/kg	< 0.05	-	-	-
b-HCH	0.05	mg/kg	< 0.05	-	-	-
d-HCH	0.05	mg/kg	< 0.05	-	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	-
Endrin	0.05	mg/kg	< 0.05	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-	-
Toxaphene	0.5	mg/kg	< 0.5	-	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorobenzene (surr.)	1	%	113	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	112	-	-	-
<b>Cation Exchange Capacity</b>						
Cation Exchange Capacity	0.05	meq/100g	-	12	-	-

Client Sample ID			BH9 0-0.1	BH9 0.7-0.8	BH10 0-0.1	BH10 0.7-0.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018357	S22-Se0018358	S22-Se0018359	S22-Se0018360
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	< 50	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-



Client Sample ID			BH9 0-0.1	BH9 0.7-0.8	BH10 0-0.1	BH10 0.7-0.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018357	S22-Se0018358	S22-Se0018359	S22-Se0018360
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	90	-	90	-
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	142	-	80	-
p-Terphenyl-d14 (surr.)	1	%	142	-	80	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	45	16	54	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	21	16	35
Copper	5	mg/kg	36	< 5	31	< 5
Lead	5	mg/kg	39	12	47	15
Mercury	0.1	mg/kg	0.1	< 0.1	0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	61	10	67	5.5
% Moisture	1	%	23	17	24	20
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-

Client Sample ID			BH9 0-0.1	BH9 0.7-0.8	BH10 0-0.1	BH10 0.7-0.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018357	S22-Se0018358	S22-Se0018359	S22-Se0018360
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Organochlorine Pesticides</b>						
d-HCH	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchloroendate (surr.)	1	%	-	-	87	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	88	-
<b>Polychlorinated Biphenyls</b>						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchloroendate (surr.)	1	%	-	-	87	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	88	-

Client Sample ID			BH11 0-0.1	BH11 0.4-0.5	BH12 0-0.1	BH12 0.7-0.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018361	S22-Se0018362	S22-Se0018363	S22-Se0018364
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	23	-	-	-
TRH C15-C28	50	mg/kg	99	-	-	-
TRH C29-C36	50	mg/kg	89	-	-	-
TRH C10-C36 (Total)	50	mg/kg	211	-	-	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	-	-

Client Sample ID			BH11 0-0.1	BH11 0.4-0.5	BH12 0-0.1	BH12 0.7-0.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018361	S22-Se0018362	S22-Se0018363	S22-Se0018364
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH >C16-C34	100	mg/kg	160	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	160	-	-	-
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	87	-	-	-
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	-	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Total PAH*	0.5	mg/kg	< 0.5	-	-	-
2-Fluorobiphenyl (surr.)	1	%	86	-	-	-
p-Terphenyl-d14 (surr.)	1	%	83	-	-	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	22	17	29	12
Cadmium	0.4	mg/kg	< 0.4	< 0.4	1.3	< 0.4
Chromium	5	mg/kg	29	42	35	39
Copper	5	mg/kg	190	9.6	530	49
Lead	5	mg/kg	38	27	250	38
Mercury	0.1	mg/kg	0.1	< 0.1	4.9	0.6
Nickel	5	mg/kg	12	< 5	15	5.6
Zinc	5	mg/kg	140	9.0	340	33
% Moisture	1	%	44	21	31	24

Client Sample ID			BH11 0-0.1	BH11 0.4-0.5	BH12 0-0.1	BH12 0.7-0.8
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018361	S22-Se0018362	S22-Se0018363	S22-Se0018364
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-
d-HCH	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchloride (surr.)	1	%	-	-	123	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	119	-

Client Sample ID			BH13 0-0.1	BH13 0.7-0.8	BH14 0-0.1	BH14 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018365	S22-Se0018366	S22-Se0018367	S22-Se0018368
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	< 20	-	< 20	-
TRH C15-C28	50	mg/kg	< 50	-	< 50	-
TRH C29-C36	50	mg/kg	< 50	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	< 50	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	< 100	-	< 100	-
TRH >C34-C40	100	mg/kg	< 100	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	< 100	-

Client Sample ID			BH13 0-0.1	BH13 0.7-0.8	BH14 0-0.1	BH14 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018365	S22-Se0018366	S22-Se0018367	S22-Se0018368
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	97	-	96	-
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	93	-	91	-
p-Terphenyl-d14 (surr.)	1	%	94	-	91	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	4.0	25	17	13
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	11	17	19	37
Copper	5	mg/kg	39	6.8	34	32
Lead	5	mg/kg	65	46	35	34
Mercury	0.1	mg/kg	< 0.1	0.1	1.1	0.4
Nickel	5	mg/kg	< 5	< 5	< 5	< 5
Zinc	5	mg/kg	67	28	47	44
% Moisture	1	%	20	20	20	24
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-

Client Sample ID			BH13 0-0.1	BH13 0.7-0.8	BH14 0-0.1	BH14 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018365	S22-Se0018366	S22-Se0018367	S22-Se0018368
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Organochlorine Pesticides</b>						
d-HCH	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchloroendate (surr.)	1	%	-	-	94	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	99	-
<b>Phenols (Halogenated)</b>						
2-Chlorophenol	0.5	mg/kg	-	-	< 0.5	-
2,4-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
2,4,5-Trichlorophenol	1	mg/kg	-	-	< 1	-
2,4,6-Trichlorophenol	1	mg/kg	-	-	< 1	-
2,6-Dichlorophenol	0.5	mg/kg	-	-	< 0.5	-
4-Chloro-3-methylphenol	1	mg/kg	-	-	< 1	-
Pentachlorophenol	1	mg/kg	-	-	< 1	-
Tetrachlorophenols - Total	10	mg/kg	-	-	< 10	-
Total Halogenated Phenol*	1	mg/kg	-	-	< 1	-
<b>Phenols (non-Halogenated)</b>						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	-	< 20	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	-	< 5	-
2-Nitrophenol	1	mg/kg	-	-	< 1	-
2,4-Dimethylphenol	0.5	mg/kg	-	-	< 0.5	-
2,4-Dinitrophenol	5	mg/kg	-	-	< 5	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	< 0.4	-
Total cresols*	0.5	mg/kg	-	-	< 0.5	-
4-Nitrophenol	5	mg/kg	-	-	< 5	-
Dinoseb	20	mg/kg	-	-	< 20	-
Phenol	0.5	mg/kg	-	-	< 0.5	-
Phenol-d6 (surr.)	1	%	-	-	104	-
Total Non-Halogenated Phenol*	20	mg/kg	-	-	< 20	-

Client Sample ID			G01 BH15 0-0.1	BH15 0.5-0.6	BH16 0-0.1	BH16 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018369	S22-Se0018370	S22-Se0018371	S22-Se0018372
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	< 20	-
TRH C10-C14	20	mg/kg	21	-	< 20	-
TRH C15-C28	50	mg/kg	100	-	120	-
TRH C29-C36	50	mg/kg	130	-	140	-
TRH C10-C36 (Total)	50	mg/kg	251	-	260	-
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
TRH C6-C10	20	mg/kg	< 20	-	< 20	-
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	< 20	-
TRH >C10-C16	50	mg/kg	< 50	-	< 50	-
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	< 50	-
TRH >C16-C34	100	mg/kg	180	-	210	-
TRH >C34-C40	100	mg/kg	100	-	110	-
TRH >C10-C40 (total)*	100	mg/kg	280	-	320	-
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	-
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	-
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	98	-	99	-
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	-
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	102	-	96	-
p-Terphenyl-d14 (surr.)	1	%	91	-	93	-
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	6.4	2.1	6.9	2.3
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	34	38	33	40
Copper	5	mg/kg	190	5.4	210	< 5

Client Sample ID			G01 BH15 0-0.1	BH15 0.5-0.6	BH16 0-0.1	BH16 0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018369	S22-Se0018370	S22-Se0018371	S22-Se0018372
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Heavy Metals</b>						
Lead	5	mg/kg	66	11	65	13
Mercury	0.1	mg/kg	0.2	< 0.1	0.2	< 0.1
Nickel	5	mg/kg	19	< 5	21	< 5
Zinc	5	mg/kg	230	6.3	240	< 5
% Moisture	1	%	21	17	20	18
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	< 1	-	-	-
4,4'-DDD	0.05	mg/kg	< 0.5	-	-	-
4,4'-DDE	0.05	mg/kg	< 0.5	-	-	-
4,4'-DDT	0.05	mg/kg	< 0.5	-	-	-
a-HCH	0.05	mg/kg	< 0.5	-	-	-
Aldrin	0.05	mg/kg	< 0.5	-	-	-
b-HCH	0.05	mg/kg	< 0.5	-	-	-
d-HCH	0.05	mg/kg	< 0.5	-	-	-
Dieldrin	0.05	mg/kg	< 0.5	-	-	-
Endosulfan I	0.05	mg/kg	< 0.5	-	-	-
Endosulfan II	0.05	mg/kg	< 0.5	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.5	-	-	-
Endrin	0.05	mg/kg	< 0.5	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.5	-	-	-
Endrin ketone	0.05	mg/kg	< 0.5	-	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.5	-	-	-
Heptachlor	0.05	mg/kg	< 0.5	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.5	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.5	-	-	-
Methoxychlor	0.05	mg/kg	< 0.5	-	-	-
Toxaphene	0.5	mg/kg	< 10	-	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	-	-	-
Dibutylchloroendate (surr.)	1	%	83	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	92	-	-	-
<b>Polychlorinated Biphenyls</b>						
Aroclor-1016	0.1	mg/kg	< 1	-	-	-
Aroclor-1221	0.1	mg/kg	< 1	-	-	-
Aroclor-1232	0.1	mg/kg	< 1	-	-	-
Aroclor-1242	0.1	mg/kg	< 1	-	-	-
Aroclor-1248	0.1	mg/kg	< 1	-	-	-
Aroclor-1254	0.1	mg/kg	< 1	-	-	-
Aroclor-1260	0.1	mg/kg	< 1	-	-	-
Total PCB*	0.1	mg/kg	< 1	-	-	-
Dibutylchloroendate (surr.)	1	%	83	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	92	-	-	-



Client Sample ID			BH17 0-0.1	BH17 0.4-0.5	G01 DUPLICATE D1	DUPLICATE D2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018373	S22-Se0018374	S22-Se0018375	S22-Se0018376
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Total Recoverable Hydrocarbons</b>						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	23	< 20
TRH C15-C28	50	mg/kg	110	-	110	69
TRH C29-C36	50	mg/kg	150	-	130	94
TRH C10-C36 (Total)	50	mg/kg	260	-	263	163
Naphthalene <sup>N02</sup>	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	190	-	180	130
TRH >C34-C40	100	mg/kg	120	-	110	< 100
TRH >C10-C40 (total)*	100	mg/kg	310	-	290	130
<b>BTEX</b>						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	94	-	95	88
<b>Polycyclic Aromatic Hydrocarbons</b>						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(b&j)fluoranthene <sup>N07</sup>	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	-	< 0.5	0.7
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	-	< 0.5	0.7
Total PAH*	0.5	mg/kg	< 0.5	-	< 0.5	1.4
2-Fluorobiphenyl (surr.)	1	%	102	-	99	95
p-Terphenyl-d14 (surr.)	1	%	97	-	104	92
<b>Heavy Metals</b>						
Arsenic	2	mg/kg	13	6.3	9.4	15
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	43	44	34	24
Copper	5	mg/kg	150	5.1	150	25

Client Sample ID			BH17 0-0.1	BH17 0.4-0.5	G01 DUPLICATE D1	DUPLICATE D2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018373	S22-Se0018374	S22-Se0018375	S22-Se0018376
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Heavy Metals</b>						
Lead	5	mg/kg	54	14	56	160
Mercury	0.1	mg/kg	0.2	< 0.1	0.1	0.1
Nickel	5	mg/kg	30	< 5	19	< 5
Zinc	5	mg/kg	170	< 5	180	410
% Moisture	1	%	19	24	22	23
<b>Organochlorine Pesticides</b>						
Chlordanes - Total	0.1	mg/kg	-	-	< 1	< 0.1
4,4'-DDD	0.05	mg/kg	-	-	< 0.5	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	< 0.5	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	< 0.5	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.5	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.5	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.5	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.5	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.5	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.5	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.5	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.5	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.5	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.5	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.5	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.5	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.5	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.5	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.5	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.5	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 10	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.5	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.5	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 1	< 0.1
Dibutylchlorodate (surr.)	1	%	-	-	80	102
Tetrachloro-m-xylene (surr.)	1	%	-	-	110	103
<b>Phenols (Halogenated)</b>						
2-Chlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,4,6-Trichlorophenol	1	mg/kg	-	-	-	< 1
2,6-Dichlorophenol	0.5	mg/kg	-	-	-	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	-	-	-	< 1
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Tetrachlorophenols - Total	10	mg/kg	-	-	-	< 10
Total Halogenated Phenol*	1	mg/kg	-	-	-	< 1

Client Sample ID			BH17 0-0.1	BH17 0.4-0.5	G01 DUPLICATE D1	DUPLICATE D2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S22-Se0018373	S22-Se0018374	S22-Se0018375	S22-Se0018376
Date Sampled			Sep 07, 2022	Sep 07, 2022	Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit				
<b>Phenols (non-Halogenated)</b>						
2-Cyclohexyl-4.6-dinitrophenol	20	mg/kg	-	-	-	< 20
2-Methyl-4.6-dinitrophenol	5	mg/kg	-	-	-	< 5
2-Nitrophenol	1	mg/kg	-	-	-	< 1
2.4-Dimethylphenol	0.5	mg/kg	-	-	-	< 0.5
2.4-Dinitrophenol	5	mg/kg	-	-	-	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Total cresols*	0.5	mg/kg	-	-	-	< 0.5
4-Nitrophenol	5	mg/kg	-	-	-	< 5
Dinoseb	20	mg/kg	-	-	-	< 20
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	103
Total Non-Halogenated Phenol*	20	mg/kg	-	-	-	< 20

Client Sample ID			TRIP SPIKE	TRIP BLANK
Sample Matrix			Soil	Soil
Eurofins Sample No.			S22-Se0018377	S22-Se0018379
Date Sampled			Sep 07, 2022	Sep 07, 2022
Test/Reference	LOR	Unit		
<b>Total Recoverable Hydrocarbons</b>				
TRH C6-C9	20	mg/kg	-	< 20
Naphthalene <sup>N02</sup>	0.5	mg/kg	-	< 0.5
TRH C6-C10	20	mg/kg	-	< 20
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	20	mg/kg	-	< 20
<b>BTEX</b>				
Benzene	0.1	mg/kg	-	< 0.1
Toluene	0.1	mg/kg	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	< 0.2
o-Xylene	0.1	mg/kg	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	115
TRH C6-C10	1	%	110	-
<b>Total Recoverable Hydrocarbons</b>				
Naphthalene	1	%	98	-
TRH C6-C9	1	%	110	-
<b>BTEX</b>				
Benzene	1	%	110	-
Ethylbenzene	1	%	100	-
m&p-Xylenes	1	%	100	-
o-Xylene	1	%	110	-
Toluene	1	%	110	-
Xylenes - Total	1	%	110	-
4-Bromofluorobenzene (surr.)	1	%	123	-

## Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	Sep 13, 2022	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	Sep 13, 2022	14 Days
Total Recoverable Hydrocarbons - Method: LTM-ORG-2010 TRH C6-C40	Sydney	Sep 13, 2022	14 Days
BTEX - Method: LTM-ORG-2010 BTEX and Volatile TRH	Sydney	Sep 13, 2022	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	Sep 13, 2022	14 Days
Polycyclic Aromatic Hydrocarbons - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Sydney	Sep 13, 2022	14 Days
Metals M8 - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Sydney	Sep 13, 2022	28 Days
Phenols (Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Sydney	Sep 13, 2022	14 Days
Phenols (non-Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Sydney	Sep 13, 2022	14 Days
% Moisture - Method: LTM-GEN-7080 Moisture	Sydney	Sep 08, 2022	14 Days
Conductivity (1:5 aqueous extract at 25 °C as rec.) - Method: LTM-INO-4030 Conductivity	Melbourne	Sep 12, 2022	7 Days
Cation Exchange Capacity - Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage	Melbourne	Sep 12, 2022	28 Days
pH (1:5 Aqueous extract at 25 °C as rec.) - Method: LTM-GEN-7090 pH by ISE	Sydney	Sep 09, 2022	7 Days
Organochlorine Pesticides - Method: LTM-ORG-2220 OCP & PCB in Soil and Water	Sydney	Sep 13, 2022	14 Days
Polychlorinated Biphenyls - Method: LTM-ORG-2220 OCP & PCB in Soil and Water	Sydney	Sep 14, 2022	28 Days

**Company Name:** Aargus Pty Ltd  
**Address:** 6 Carter Street  
Lidcombe  
NSW 2141

**Order No.:**  
**Report #:** 921905  
**Phone:** 02 9568 6159  
**Fax:** 02 9566 6179

**Received:** Sep 8, 2022 5:35 PM  
**Due:** Sep 15, 2022  
**Priority:** 5 Day  
**Contact Name:** - ALL INVOICES/SRA - Mark Kelly

**Project Name:** DETAILED SITE INVESTIGATION NEWPORT  
**Project ID:** ES8577

Eurofins Analytical Services Manager : Asim Khan

Sample Detail						pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
External Laboratory															
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID										
1	BH1 0-0.1	Sep 07, 2022		Soil	S22-Se0018341					X		X			
2	BH1 0.9-1	Sep 07, 2022		Soil	S22-Se0018342			X		X					
3	BH2 0-0.1	Sep 07, 2022		Soil	S22-Se0018343					X		X			
4	BH2 0.9-1	Sep 07, 2022		Soil	S22-Se0018344			X		X					
5	BH3 0-0.1	Sep 07, 2022		Soil	S22-Se0018345				X	X		X			
6	BH3 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018346			X		X					
7	BH4 0-0.1	Sep 07, 2022		Soil	S22-Se0018347		X	X		X					
8	BH4 0.6-0.7	Sep 07, 2022		Soil	S22-Se0018348			X		X					
9	BH5 0-0.1	Sep 07, 2022		Soil	S22-Se0018349				X	X		X			
10	BH5 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018350			X		X					
11	BH6 0-0.1	Sep 07, 2022		Soil	S22-Se0018351				X	X		X			
12	BH6 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018352			X		X					

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Sample Detail						pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
13	BH7 0-0.1	Sep 07, 2022		Soil	S22-Se0018353		X	X		X					
14	BH7 0.8-0.9	Sep 07, 2022		Soil	S22-Se0018354	X		X		X	X				
15	BH8 0-0.1	Sep 07, 2022		Soil	S22-Se0018355					X		X			
16	BH8 0.8-0.9	Sep 07, 2022		Soil	S22-Se0018356			X		X					
17	BH9 0-0.1	Sep 07, 2022		Soil	S22-Se0018357					X		X			
18	BH9 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018358			X		X					
19	BH10 0-0.1	Sep 07, 2022		Soil	S22-Se0018359				X	X		X			
20	BH10 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018360			X		X					
21	BH11 0-0.1	Sep 07, 2022		Soil	S22-Se0018361					X		X			
22	BH11 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018362			X		X					
23	BH12 0-0.1	Sep 07, 2022		Soil	S22-Se0018363		X	X		X					
24	BH12 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018364			X		X					
25	BH13 0-0.1	Sep 07, 2022		Soil	S22-Se0018365					X		X			
26	BH13 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018366			X		X					
27	BH14 0-0.1	Sep 07, 2022		Soil	S22-Se0018367		X			X			X		

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Sample Detail						pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
28	BH14 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018368			X		X					
29	BH15 0-0.1	Sep 07, 2022		Soil	S22-Se0018369				X	X		X			
30	BH15 0.5-0.6	Sep 07, 2022		Soil	S22-Se0018370			X		X					
31	BH16 0-0.1	Sep 07, 2022		Soil	S22-Se0018371					X		X			
32	BH16 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018372			X		X					
33	BH17 0-0.1	Sep 07, 2022		Soil	S22-Se0018373					X		X			
34	BH17 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018374			X		X					
35	DUPLICATE D1	Sep 07, 2022		Soil	S22-Se0018375		X			X		X			
36	DUPLICATE D2	Sep 07, 2022		Soil	S22-Se0018376		X			X			X		
37	TRIP SPIKE	Sep 07, 2022		Soil	S22-Se0018377										X
38	TRIP BLANK	Sep 07, 2022		Soil	S22-Se0018379									X	
39	R1	Sep 07, 2022		Water	S22-Se0018380		X					X			
Test Counts						1	7	20	5	36	1	15	2	1	1

## Internal Quality Control Review and Glossary

### General

- Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
- All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
- All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
- Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
- This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

### Units

<b>mg/kg:</b> milligrams per kilogram	<b>mg/L:</b> milligrams per litre	<b>µg/L:</b> micrograms per litre
<b>ppm:</b> parts per million	<b>ppb:</b> parts per billion	<b>%:</b> Percentage
<b>org/100 mL:</b> Organisms per 100 millilitres	<b>NTU:</b> Nephelometric Turbidity Units	<b>MPN/100 mL:</b> Most Probable Number of organisms per 100 millilitres

### Terms

<b>APHA</b>	American Public Health Association
<b>COC</b>	Chain of Custody
<b>CP</b>	Client Parent - QC was performed on samples pertaining to this report
<b>CRM</b>	Certified Reference Material (ISO17034) - reported as percent recovery.
<b>Dry</b>	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
<b>Duplicate</b>	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
<b>LOR</b>	Limit of Reporting.
<b>LCS</b>	Laboratory Control Sample - reported as percent recovery.
<b>Method Blank</b>	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
<b>NCP</b>	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
<b>RPD</b>	Relative Percent Difference between two Duplicate pieces of analysis.
<b>SPIKE</b>	Addition of the analyte to the sample and reported as percentage recovery.
<b>SRA</b>	Sample Receipt Advice
<b>Surr - Surrogate</b>	The addition of a like compound to the analyte target and reported as percentage recovery.
<b>TBTO</b>	Tributyltin oxide ( <i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
<b>TCLP</b>	Toxicity Characteristic Leaching Procedure
<b>TEQ</b>	Toxic Equivalency Quotient or Total Equivalence
<b>QSM</b>	US Department of Defense Quality Systems Manual Version 5.4
<b>US EPA</b>	United States Environmental Protection Agency
<b>WA DWER</b>	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

### QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

### QC Data General Comments

- Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
- Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
- pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
- For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
- Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.



## Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
<b>Method Blank</b>							
<b>Total Recoverable Hydrocarbons</b>							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
<b>Method Blank</b>							
<b>BTEX</b>							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
<b>Method Blank</b>							
<b>Polycyclic Aromatic Hydrocarbons</b>							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Total PAH*	mg/kg	-			0.5	N/A	
<b>Method Blank</b>							
<b>Heavy Metals</b>							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
<b>Method Blank</b>							
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
<b>Method Blank</b>							
<b>Organochlorine Pesticides</b>							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
<b>Method Blank</b>							
<b>Polychlorinated Biphenyls</b>							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
<b>Method Blank</b>							
<b>Cation Exchange Capacity</b>							
Cation Exchange Capacity	meq/100g	< 0.05			0.05	Pass	
<b>Method Blank</b>							
<b>Phenols (Halogenated)</b>							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2.4.5-Trichlorophenol	mg/kg	< 1			1	Pass	
2.4.6-Trichlorophenol	mg/kg	< 1			1	Pass	
2.6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
<b>Method Blank</b>							
<b>Phenols (non-Halogenated)</b>							
2-Cyclohexyl-4.6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4.6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1	Pass	
2.4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2.4-Dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
<b>LCS - % Recovery</b>							
<b>Total Recoverable Hydrocarbons</b>							
TRH C6-C9	%	93			70-130	Pass	
TRH C10-C14	%	128			70-130	Pass	
Naphthalene	%	86			70-130	Pass	
Naphthalene	%	84			70-130	Pass	
TRH C6-C10	%	89			70-130	Pass	
TRH C6-C10	%	108			70-130	Pass	
TRH >C10-C16	%	126			70-130	Pass	
<b>LCS - % Recovery</b>							
<b>BTEX</b>							
Benzene	%	96			70-130	Pass	
Toluene	%	85			70-130	Pass	
Ethylbenzene	%	103			70-130	Pass	
m&p-Xylenes	%	103			70-130	Pass	
o-Xylene	%	105			70-130	Pass	
Xylenes - Total*	%	104			70-130	Pass	
<b>LCS - % Recovery</b>							
<b>Polycyclic Aromatic Hydrocarbons</b>							
Acenaphthene	%	82			70-130	Pass	
Acenaphthylene	%	88			70-130	Pass	
Anthracene	%	87			70-130	Pass	
Benz(a)anthracene	%	86			70-130	Pass	
Benzo(a)pyrene	%	85			70-130	Pass	
Benzo(b&j)fluoranthene	%	79			70-130	Pass	
Benzo(g,h,i)perylene	%	81			70-130	Pass	
Benzo(k)fluoranthene	%	88			70-130	Pass	
Chrysene	%	74			70-130	Pass	
Dibenz(a,h)anthracene	%	84			70-130	Pass	
Fluoranthene	%	87			70-130	Pass	
Fluorene	%	88			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	80			70-130	Pass	
Naphthalene	%	86			70-130	Pass	
Phenanthrene	%	92			70-130	Pass	
Pyrene	%	87			70-130	Pass	
<b>LCS - % Recovery</b>							
<b>Heavy Metals</b>							
Arsenic	%	110			80-120	Pass	
Cadmium	%	108			80-120	Pass	
Chromium	%	100			80-120	Pass	
Copper	%	100			80-120	Pass	
Lead	%	101			80-120	Pass	
Mercury	%	115			80-120	Pass	
Nickel	%	99			80-120	Pass	
Zinc	%	116			80-120	Pass	
<b>LCS - % Recovery</b>							
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	95			70-130	Pass	
<b>LCS - % Recovery</b>							
<b>Organochlorine Pesticides</b>							
Chlordanes - Total	%	90			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4.4'-DDD			%	71			70-130	Pass	
4.4'-DDE			%	84			70-130	Pass	
4.4'-DDT			%	82			70-130	Pass	
Aldrin			%	88			70-130	Pass	
b-HCH			%	73			70-130	Pass	
d-HCH			%	72			70-130	Pass	
Dieldrin			%	71			70-130	Pass	
Endosulfan I			%	83			70-130	Pass	
Endosulfan II			%	70			70-130	Pass	
Endosulfan sulphate			%	77			70-130	Pass	
Endrin			%	78			70-130	Pass	
Endrin aldehyde			%	71			70-130	Pass	
Endrin ketone			%	72			70-130	Pass	
Heptachlor			%	83			70-130	Pass	
Heptachlor epoxide			%	81			70-130	Pass	
Hexachlorobenzene			%	87			70-130	Pass	
Methoxychlor			%	75			70-130	Pass	
<b>LCS - % Recovery</b>									
<b>Polychlorinated Biphenyls</b>									
Aroclor-1016			%	79			70-130	Pass	
Aroclor-1260			%	83			70-130	Pass	
<b>LCS - % Recovery</b>									
<b>Phenols (Halogenated)</b>									
2-Chlorophenol			%	87			25-140	Pass	
2.4-Dichlorophenol			%	91			25-140	Pass	
2.4.5-Trichlorophenol			%	85			25-140	Pass	
2.4.6-Trichlorophenol			%	87			25-140	Pass	
2.6-Dichlorophenol			%	88			25-140	Pass	
4-Chloro-3-methylphenol			%	84			25-140	Pass	
Pentachlorophenol			%	77			25-140	Pass	
Tetrachlorophenols - Total			%	78			25-140	Pass	
<b>LCS - % Recovery</b>									
<b>Phenols (non-Halogenated)</b>									
2-Methyl-4.6-dinitrophenol			%	70			25-140	Pass	
2-Nitrophenol			%	102			25-140	Pass	
2.4-Dimethylphenol			%	92			25-140	Pass	
2-Methylphenol (o-Cresol)			%	85			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)			%	89			25-140	Pass	
4-Nitrophenol			%	86			25-140	Pass	
Dinoseb			%	74			25-140	Pass	
Phenol			%	89			25-140	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
<b>Spike - % Recovery</b>									
<b>Total Recoverable Hydrocarbons</b>				Result 1					
TRH C10-C14	S22-Se0025185	NCP	%	110			70-130	Pass	
TRH >C10-C16	S22-Se0025185	NCP	%	108			70-130	Pass	
<b>Spike - % Recovery</b>									
<b>Heavy Metals</b>				Result 1					
Arsenic	S22-Se0018346	CP	%	106			75-125	Pass	
Cadmium	S22-Se0018346	CP	%	105			75-125	Pass	
Chromium	S22-Se0018346	CP	%	101			75-125	Pass	
Copper	S22-Se0018346	CP	%	103			75-125	Pass	
Lead	S22-Se0018346	CP	%	117			75-125	Pass	
Mercury	S22-Se0018346	CP	%	124			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nickel	S22-Se0018346	CP	%	107			75-125	Pass	
Zinc	S22-Se0018346	CP	%	113			75-125	Pass	
<b>Spike - % Recovery</b>									
<b>Total Recoverable Hydrocarbons</b>				Result 1					
TRH C6-C9	S22-Se0018357	CP	%	110			70-130	Pass	
Naphthalene	S22-Se0018357	CP	%	90			70-130	Pass	
TRH C6-C10	S22-Se0018357	CP	%	109			70-130	Pass	
<b>Spike - % Recovery</b>									
<b>BTEX</b>				Result 1					
Benzene	S22-Se0018357	CP	%	95			70-130	Pass	
Toluene	S22-Se0018357	CP	%	102			70-130	Pass	
Ethylbenzene	S22-Se0018357	CP	%	103			70-130	Pass	
m&p-Xylenes	S22-Se0018357	CP	%	103			70-130	Pass	
o-Xylene	S22-Se0018357	CP	%	103			70-130	Pass	
Xylenes - Total*	S22-Se0018357	CP	%	103			70-130	Pass	
<b>Spike - % Recovery</b>									
<b>Heavy Metals</b>				Result 1					
Arsenic	S22-Se0018367	CP	%	97			75-125	Pass	
Cadmium	S22-Se0018367	CP	%	100			75-125	Pass	
Chromium	S22-Se0018367	CP	%	109			75-125	Pass	
Copper	S22-Se0018367	CP	%	108			75-125	Pass	
Lead	S22-Se0018367	CP	%	117			75-125	Pass	
Mercury	S22-Se0018367	CP	%	121			75-125	Pass	
Nickel	S22-Se0018367	CP	%	105			75-125	Pass	
Zinc	S22-Se0018367	CP	%	99			75-125	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
<b>Duplicate</b>									
<b>Polycyclic Aromatic Hydrocarbons</b>				Result 1	Result 2	RPD			
Acenaphthene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g,h,i)perylene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a,h)anthracene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1,2,3-cd)pyrene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
<b>Duplicate</b>									
				Result 1	Result 2	RPD			
% Moisture	S22-Se0018342	CP	%	30	31	2.7	30%	Pass	
<b>Duplicate</b>									
<b>Heavy Metals</b>				Result 1	Result 2	RPD			
Arsenic	S22-Se0018345	CP	mg/kg	9.3	10	12	30%	Pass	
Cadmium	S22-Se0018345	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S22-Se0018345	CP	mg/kg	12	15	26	30%	Pass	
Copper	S22-Se0018345	CP	mg/kg	33	21	43	30%	Fail	Q15
Lead	S22-Se0018345	CP	mg/kg	240	380	46	30%	Fail	Q02

Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Mercury	S22-Se0018345	CP	mg/kg	0.2	0.2	17	30%	Pass
Nickel	S22-Se0018345	CP	mg/kg	< 5	< 5	<1	30%	Pass
Zinc	S22-Se0018345	CP	mg/kg	260	300	15	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
4,4'-DDD	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDE	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDT	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
a-HCH	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Aldrin	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
b-HCH	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
d-HCH	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Dieldrin	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan I	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan II	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan sulphate	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin aldehyde	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin ketone	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
g-HCH (Lindane)	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor epoxide	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Hexachlorobenzene	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Methoxychlor	S22-Se0021456	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Toxaphene	S22-Se0021456	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Total PCB*	S22-Se0021456	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
% Moisture	S22-Se0018352	CP	%	24	24	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
pH (1:5 Aqueous extract at 25 °C as rec.)	S22-Se0018421	NCP	pH Units	7.5	7.5	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C10-C14	S22-Se0018355	CP	mg/kg	21	< 20	46	30%	Fail Q15
TRH C15-C28	S22-Se0018355	CP	mg/kg	120	58	74	30%	Fail Q15
TRH C29-C36	S22-Se0018355	CP	mg/kg	78	53	38	30%	Fail Q15
TRH >C10-C16	S22-Se0018355	CP	mg/kg	< 50	< 50	<1	30%	Pass
TRH >C16-C34	S22-Se0018355	CP	mg/kg	170	< 100	62	30%	Fail Q15
TRH >C34-C40	S22-Se0018355	CP	mg/kg	< 100	< 100	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
% Moisture	S22-Se0018363	CP	%	31	32	4.1	30%	Pass



Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	S22-Se0018366	CP	mg/kg	25	16	44	30%	Fail
Cadmium	S22-Se0018366	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	S22-Se0018366	CP	mg/kg	17	19	10	30%	Pass
Copper	S22-Se0018366	CP	mg/kg	6.8	8.8	26	30%	Pass
Mercury	S22-Se0018366	CP	mg/kg	0.1	0.1	<1	30%	Pass
Nickel	S22-Se0018366	CP	mg/kg	< 5	< 5	<1	30%	Pass
Zinc	S22-Se0018366	CP	mg/kg	28	62	75	30%	Fail
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	W22-Se0007265	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	W22-Se0007265	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	W22-Se0007265	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	W22-Se0007265	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	W22-Se0007265	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	W22-Se0007265	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	W22-Se0007265	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Tetrachlorophenols - Total	W22-Se0007265	NCP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	W22-Se0007265	NCP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	W22-Se0007265	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	W22-Se0007265	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	W22-Se0007265	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	W22-Se0007265	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	W22-Se0007265	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	W22-Se0007265	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
4-Nitrophenol	W22-Se0007265	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Dinoseb	W22-Se0007265	NCP	mg/kg	< 20	< 20	<1	30%	Pass
Phenol	W22-Se0007265	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
% Moisture	S22-Se0018373	CP	%	19	23	19	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C6-C9	S22-Se0018376	CP	mg/kg	< 20	< 20	<1	30%	Pass
Naphthalene	S22-Se0018376	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
TRH C6-C10	S22-Se0018376	CP	mg/kg	< 20	< 20	<1	30%	Pass
Duplicate								
BTEX				Result 1	Result 2	RPD		
Benzene	S22-Se0018376	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Toluene	S22-Se0018376	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Ethylbenzene	S22-Se0018376	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
m&p-Xylenes	S22-Se0018376	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
o-Xylene	S22-Se0018376	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Xylenes - Total*	S22-Se0018376	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	S22-Se0018376	CP	mg/kg	15	13	19	30%	Pass
Cadmium	S22-Se0018376	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	S22-Se0018376	CP	mg/kg	24	21	14	30%	Pass
Copper	S22-Se0018376	CP	mg/kg	25	29	15	30%	Pass
Lead	S22-Se0018376	CP	mg/kg	160	200	18	30%	Pass
Mercury	S22-Se0018376	CP	mg/kg	0.1	0.1	2.8	30%	Pass
Nickel	S22-Se0018376	CP	mg/kg	< 5	< 5	<1	30%	Pass
Zinc	S22-Se0018376	CP	mg/kg	410	290	35	30%	Fail

## Comments

### Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

### Qualifier Codes/Comments

Code	Description
G01	The LORs have been raised due to matrix interference
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q02	The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

### Authorised by:

Asim Khan	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Inorganic
Ryan Phillips	Senior Analyst-Inorganic



**Glenn Jackson**  
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

\* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Aargus Pty Ltd  
6 Carter Street  
Lidcombe  
NSW 2141



**NATA Accredited**  
**Accreditation Number 1261**  
**Site Number 18217**

Accredited for compliance with ISO/IEC 17025 – Testing  
NATA is a signatory to the ILAC Mutual Recognition  
Arrangement for the mutual recognition of the  
equivalence of testing, medical testing, calibration,  
inspection, proficiency testing scheme providers and  
reference materials producers reports and certificates.

**Attention:** - ALL INVOICES/SRA - Mark Kelly

**Report** 921905-W  
**Project name** DETAILED SITE INVESTIGATION NEWPORT  
**Project ID** ES8577  
**Received Date** Sep 08, 2022

<b>Client Sample ID</b>			<b>R1</b>
<b>Sample Matrix</b>			<b>Water</b>
<b>Eurofins Sample No.</b>			<b>S22-Se0018380</b>
<b>Date Sampled</b>			<b>Sep 07, 2022</b>
Test/Reference	LOR	Unit	
<b>Total Recoverable Hydrocarbons</b>			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1
Naphthalene <sup>N02</sup>	0.01	mg/L	< 0.01
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1) <sup>N04</sup>	0.02	mg/L	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05
TRH >C10-C16 less Naphthalene (F2) <sup>N01</sup>	0.05	mg/L	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1
<b>BTEX</b>			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	83
<b>Polycyclic Aromatic Hydrocarbons</b>			
Acenaphthene	0.001	mg/L	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001
Anthracene	0.001	mg/L	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001
Benzo(b&j)fluoranthene <sup>N07</sup>	0.001	mg/L	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001
Chrysene	0.001	mg/L	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001
Fluoranthene	0.001	mg/L	< 0.001
Fluorene	0.001	mg/L	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001

<b>Client Sample ID</b>			<b>R1</b>
<b>Sample Matrix</b>			<b>Water</b>
<b>Eurofins Sample No.</b>			<b>S22-Se0018380</b>
<b>Date Sampled</b>			<b>Sep 07, 2022</b>
Test/Reference	LOR	Unit	
<b>Polycyclic Aromatic Hydrocarbons</b>			
Naphthalene	0.001	mg/L	< 0.001
Phenanthrene	0.001	mg/L	< 0.001
Pyrene	0.001	mg/L	< 0.001
Total PAH*	0.001	mg/L	< 0.001
2-Fluorobiphenyl (surr.)	1	%	90
p-Terphenyl-d14 (surr.)	1	%	134
<b>Organochlorine Pesticides</b>			
Chlordanes - Total	0.002	mg/L	< 0.002
4,4'-DDD	0.0002	mg/L	< 0.0002
4,4'-DDE	0.0002	mg/L	< 0.0002
4,4'-DDT	0.0002	mg/L	< 0.0002
a-HCH	0.0002	mg/L	< 0.0002
Aldrin	0.0002	mg/L	< 0.0002
b-HCH	0.0002	mg/L	< 0.0002
d-HCH	0.0002	mg/L	< 0.0002
Dieldrin	0.0002	mg/L	< 0.0002
Endosulfan I	0.0002	mg/L	< 0.0002
Endosulfan II	0.0002	mg/L	< 0.0002
Endosulfan sulphate	0.0002	mg/L	< 0.0002
Endrin	0.0002	mg/L	< 0.0002
Endrin aldehyde	0.0002	mg/L	< 0.0002
Endrin ketone	0.0002	mg/L	< 0.0002
g-HCH (Lindane)	0.0002	mg/L	< 0.0002
Heptachlor	0.0002	mg/L	< 0.0002
Heptachlor epoxide	0.0002	mg/L	< 0.0002
Hexachlorobenzene	0.0002	mg/L	< 0.0002
Methoxychlor	0.0002	mg/L	< 0.0002
Toxaphene	0.005	mg/L	< 0.005
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002
Dibutylchloroendate (surr.)	1	%	120
Tetrachloro-m-xylene (surr.)	1	%	122
<b>Heavy Metals</b>			
Arsenic	0.001	mg/L	< 0.001
Cadmium	0.0002	mg/L	< 0.0002
Chromium	0.001	mg/L	< 0.001
Copper	0.001	mg/L	< 0.001
Lead	0.001	mg/L	< 0.001
Mercury	0.0001	mg/L	< 0.0001
Nickel	0.001	mg/L	< 0.001
Zinc	0.005	mg/L	< 0.005

## Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	Sep 13, 2022	7 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	Sep 08, 2022	7 Days
BTEX - Method: LTM-ORG-2010 BTEX and Volatile TRH	Sydney	Sep 08, 2022	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	Sep 13, 2022	7 Days
Polycyclic Aromatic Hydrocarbons - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Sydney	Sep 13, 2022	7 Days
Metals M8 - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Sydney	Sep 13, 2022	28 Days
Organochlorine Pesticides - Method: LTM-ORG-2220 OCP & PCB in Soil and Water	Sydney	Sep 13, 2022	7 Days

**Company Name:** Aargus Pty Ltd  
**Address:** 6 Carter Street  
Lidcombe  
NSW 2141

**Project Name:** DETAILED SITE INVESTIGATION NEWPORT  
**Project ID:** ES8577

**Order No.:**  
**Report #:** 921905  
**Phone:** 02 9568 6159  
**Fax:** 02 9566 6179

**Received:** Sep 8, 2022 5:35 PM  
**Due:** Sep 15, 2022  
**Priority:** 5 Day  
**Contact Name:** - ALL INVOICES/SRA - Mark Kelly

Eurofins Analytical Services Manager : Asim Khan

Sample Detail						pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
External Laboratory															
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID										
1	BH1 0-0.1	Sep 07, 2022		Soil	S22-Se0018341					X		X			
2	BH1 0.9-1	Sep 07, 2022		Soil	S22-Se0018342			X		X					
3	BH2 0-0.1	Sep 07, 2022		Soil	S22-Se0018343					X		X			
4	BH2 0.9-1	Sep 07, 2022		Soil	S22-Se0018344			X		X					
5	BH3 0-0.1	Sep 07, 2022		Soil	S22-Se0018345				X	X		X			
6	BH3 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018346			X		X					
7	BH4 0-0.1	Sep 07, 2022		Soil	S22-Se0018347		X	X		X					
8	BH4 0.6-0.7	Sep 07, 2022		Soil	S22-Se0018348			X		X					
9	BH5 0-0.1	Sep 07, 2022		Soil	S22-Se0018349				X	X		X			
10	BH5 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018350			X		X					
11	BH6 0-0.1	Sep 07, 2022		Soil	S22-Se0018351				X	X		X			
12	BH6 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018352			X		X					

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Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
13	BH7 0-0.1	Sep 07, 2022		Soil	S22-Se0018353		X	X		X					
14	BH7 0.8-0.9	Sep 07, 2022		Soil	S22-Se0018354	X		X		X	X				
15	BH8 0-0.1	Sep 07, 2022		Soil	S22-Se0018355					X		X			
16	BH8 0.8-0.9	Sep 07, 2022		Soil	S22-Se0018356			X		X					
17	BH9 0-0.1	Sep 07, 2022		Soil	S22-Se0018357					X		X			
18	BH9 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018358			X		X					
19	BH10 0-0.1	Sep 07, 2022		Soil	S22-Se0018359				X	X		X			
20	BH10 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018360			X		X					
21	BH11 0-0.1	Sep 07, 2022		Soil	S22-Se0018361					X		X			
22	BH11 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018362			X		X					
23	BH12 0-0.1	Sep 07, 2022		Soil	S22-Se0018363		X	X		X					
24	BH12 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018364			X		X					
25	BH13 0-0.1	Sep 07, 2022		Soil	S22-Se0018365					X		X			
26	BH13 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018366			X		X					
27	BH14 0-0.1	Sep 07, 2022		Soil	S22-Se0018367		X			X			X		

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**Eurofins Analytical Services Manager : Asim Khan**

Sample Detail						pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
28	BH14 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018368			X		X					
29	BH15 0-0.1	Sep 07, 2022		Soil	S22-Se0018369				X	X		X			
30	BH15 0.5-0.6	Sep 07, 2022		Soil	S22-Se0018370			X		X					
31	BH16 0-0.1	Sep 07, 2022		Soil	S22-Se0018371					X		X			
32	BH16 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018372			X		X					
33	BH17 0-0.1	Sep 07, 2022		Soil	S22-Se0018373					X		X			
34	BH17 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018374			X		X					
35	DUPLICATE D1	Sep 07, 2022		Soil	S22-Se0018375		X			X		X			
36	DUPLICATE D2	Sep 07, 2022		Soil	S22-Se0018376		X			X			X		
37	TRIP SPIKE	Sep 07, 2022		Soil	S22-Se0018377										X
38	TRIP BLANK	Sep 07, 2022		Soil	S22-Se0018379									X	
39	R1	Sep 07, 2022		Water	S22-Se0018380		X					X			
Test Counts						1	7	20	5	36	1	15	2	1	1

## Internal Quality Control Review and Glossary

### General

- Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
- All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
- All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
- Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- Information identified on this report with blue colour, indicates data provided by customer that may have an impact on the results.
- This report replaces any interim results previously issued.

### Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

### Units

<b>mg/kg:</b> milligrams per kilogram	<b>mg/L:</b> milligrams per litre	<b>µg/L:</b> micrograms per litre
<b>ppm:</b> parts per million	<b>ppb:</b> parts per billion	<b>%:</b> Percentage
<b>org/100 mL:</b> Organisms per 100 millilitres	<b>NTU:</b> Nephelometric Turbidity Units	<b>MPN/100 mL:</b> Most Probable Number of organisms per 100 millilitres

### Terms

<b>APHA</b>	American Public Health Association
<b>COC</b>	Chain of Custody
<b>CP</b>	Client Parent - QC was performed on samples pertaining to this report
<b>CRM</b>	Certified Reference Material (ISO17034) - reported as percent recovery.
<b>Dry</b>	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
<b>Duplicate</b>	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
<b>LOR</b>	Limit of Reporting.
<b>LCS</b>	Laboratory Control Sample - reported as percent recovery.
<b>Method Blank</b>	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
<b>NCP</b>	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
<b>RPD</b>	Relative Percent Difference between two Duplicate pieces of analysis.
<b>SPIKE</b>	Addition of the analyte to the sample and reported as percentage recovery.
<b>SRA</b>	Sample Receipt Advice
<b>Surr - Surrogate</b>	The addition of a like compound to the analyte target and reported as percentage recovery.
<b>TBTO</b>	Tributyltin oxide ( <i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment however free tributyltin was measured and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
<b>TCLP</b>	Toxicity Characteristic Leaching Procedure
<b>TEQ</b>	Toxic Equivalency Quotient or Total Equivalence
<b>QSM</b>	US Department of Defense Quality Systems Manual Version 5.4
<b>US EPA</b>	United States Environmental Protection Agency
<b>WA DWER</b>	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

### QC - Acceptance Criteria

The acceptance criteria should be used as a guide only and may be different when site specific Sampling Analysis and Quality Plan (SAQP) have been implemented

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR: No Limit

Results between 10-20 times the LOR: RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.4 where no positive PFAS results have been reported have been reviewed and no data was affected.

### QC Data General Comments

- Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
- Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
- pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery the term "INT" appears against that analyte.
- For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
- Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

## Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
<b>Method Blank</b>							
<b>Total Recoverable Hydrocarbons</b>							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
<b>Method Blank</b>							
<b>BTEX</b>							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
<b>Method Blank</b>							
<b>Polycyclic Aromatic Hydrocarbons</b>							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g,h,i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a,h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1,2,3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
<b>Method Blank</b>							
<b>Organochlorine Pesticides</b>							
Chlordanes - Total	mg/L	< 0.002			0.002	Pass	
4,4'-DDD	mg/L	< 0.0002			0.0002	Pass	
4,4'-DDE	mg/L	< 0.0002			0.0002	Pass	
4,4'-DDT	mg/L	< 0.0002			0.0002	Pass	
a-HCH	mg/L	< 0.0002			0.0002	Pass	
Aldrin	mg/L	< 0.0002			0.0002	Pass	
b-HCH	mg/L	< 0.0002			0.0002	Pass	
d-HCH	mg/L	< 0.0002			0.0002	Pass	
Dieldrin	mg/L	< 0.0002			0.0002	Pass	
Endosulfan I	mg/L	< 0.0002			0.0002	Pass	
Endosulfan II	mg/L	< 0.0002			0.0002	Pass	
Endosulfan sulphate	mg/L	< 0.0002			0.0002	Pass	
Endrin	mg/L	< 0.0002			0.0002	Pass	



Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin aldehyde	mg/L	< 0.0002			0.0002	Pass	
Endrin ketone	mg/L	< 0.0002			0.0002	Pass	
g-HCH (Lindane)	mg/L	< 0.0002			0.0002	Pass	
Heptachlor	mg/L	< 0.0002			0.0002	Pass	
Heptachlor epoxide	mg/L	< 0.0002			0.0002	Pass	
Hexachlorobenzene	mg/L	< 0.0002			0.0002	Pass	
Methoxychlor	mg/L	< 0.0002			0.0002	Pass	
Toxaphene	mg/L	< 0.005			0.005	Pass	
<b>Method Blank</b>							
<b>Heavy Metals</b>							
Arsenic	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	
<b>LCS - % Recovery</b>							
<b>Total Recoverable Hydrocarbons</b>							
TRH C6-C9	%	115			70-130	Pass	
TRH C10-C14	%	115			70-130	Pass	
Naphthalene	%	103			70-130	Pass	
TRH C6-C10	%	115			70-130	Pass	
TRH >C10-C16	%	114			70-130	Pass	
<b>LCS - % Recovery</b>							
<b>BTEX</b>							
Benzene	%	100			70-130	Pass	
Toluene	%	114			70-130	Pass	
Ethylbenzene	%	116			70-130	Pass	
m&p-Xylenes	%	116			70-130	Pass	
o-Xylene	%	114			70-130	Pass	
Xylenes - Total*	%	115			70-130	Pass	
<b>LCS - % Recovery</b>							
<b>Polycyclic Aromatic Hydrocarbons</b>							
Acenaphthene	%	75			70-130	Pass	
Acenaphthylene	%	80			70-130	Pass	
Anthracene	%	79			70-130	Pass	
Benz(a)anthracene	%	88			70-130	Pass	
Benzo(a)pyrene	%	82			70-130	Pass	
Benzo(b&j)fluoranthene	%	94			70-130	Pass	
Benzo(g,h,i)perylene	%	95			70-130	Pass	
Benzo(k)fluoranthene	%	82			70-130	Pass	
Chrysene	%	84			70-130	Pass	
Dibenz(a,h)anthracene	%	85			70-130	Pass	
Fluoranthene	%	85			70-130	Pass	
Fluorene	%	77			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	86			70-130	Pass	
Phenanthrene	%	73			70-130	Pass	
Pyrene	%	76			70-130	Pass	
<b>LCS - % Recovery</b>							
<b>Organochlorine Pesticides</b>							
Chlordanes - Total	%	75			70-130	Pass	
4,4'-DDD	%	79			70-130	Pass	

Test				Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4,4'-DDE				%	76			70-130	Pass	
4,4'-DDT				%	81			70-130	Pass	
a-HCH				%	70			70-130	Pass	
Aldrin				%	71			70-130	Pass	
b-HCH				%	74			70-130	Pass	
d-HCH				%	82			70-130	Pass	
Dieldrin				%	74			70-130	Pass	
Endosulfan I				%	70			70-130	Pass	
Endosulfan II				%	85			70-130	Pass	
Endosulfan sulphate				%	80			70-130	Pass	
Endrin				%	91			70-130	Pass	
Endrin aldehyde				%	73			70-130	Pass	
Endrin ketone				%	85			70-130	Pass	
g-HCH (Lindane)				%	86			70-130	Pass	
Heptachlor				%	72			70-130	Pass	
Heptachlor epoxide				%	82			70-130	Pass	
Hexachlorobenzene				%	72			70-130	Pass	
Methoxychlor				%	87			70-130	Pass	
<b>LCS - % Recovery</b>										
<b>Heavy Metals</b>										
Arsenic				%	98			80-120	Pass	
Cadmium				%	98			80-120	Pass	
Chromium				%	90			80-120	Pass	
Copper				%	88			80-120	Pass	
Lead				%	86			80-120	Pass	
Mercury				%	93			80-120	Pass	
Nickel				%	90			80-120	Pass	
Zinc				%	93			80-120	Pass	
Test	Lab Sample ID	QA Source		Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
<b>Spike - % Recovery</b>										
<b>Total Recoverable Hydrocarbons</b>					Result 1					
TRH C6-C9	S22-Se0013224	NCP	%		111			70-130	Pass	
TRH C10-C14	N22-Se0015541	NCP	%		79			70-130	Pass	
Naphthalene	S22-Se0013224	NCP	%		106			70-130	Pass	
TRH C6-C10	S22-Se0013224	NCP	%		112			70-130	Pass	
TRH >C10-C16	N22-Se0015541	NCP	%		73			70-130	Pass	
<b>Spike - % Recovery</b>										
<b>BTEX</b>					Result 1					
Benzene	S22-Se0013224	NCP	%		99			70-130	Pass	
Toluene	S22-Se0013224	NCP	%		109			70-130	Pass	
Ethylbenzene	S22-Se0013224	NCP	%		113			70-130	Pass	
m&p-Xylenes	S22-Se0013224	NCP	%		117			70-130	Pass	
o-Xylene	S22-Se0013224	NCP	%		114			70-130	Pass	
Xylenes - Total*	S22-Se0013224	NCP	%		116			70-130	Pass	
<b>Spike - % Recovery</b>										
<b>Polycyclic Aromatic Hydrocarbons</b>					Result 1					
Acenaphthene	S22-Se0016459	NCP	%		80			70-130	Pass	
Acenaphthylene	S22-Se0016459	NCP	%		78			70-130	Pass	
Anthracene	S22-Se0016459	NCP	%		78			70-130	Pass	
Benzo(a)pyrene	S22-Se0016459	NCP	%		74			70-130	Pass	
Benzo(b&j)fluoranthene	S22-Se0016459	NCP	%		96			70-130	Pass	
Benzo(k)fluoranthene	S22-Se0016459	NCP	%		84			70-130	Pass	
Chrysene	S22-Se0016459	NCP	%		75			70-130	Pass	
Fluoranthene	S22-Se0016459	NCP	%		74			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluorene	S22-Se0016459	NCP	%	80			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S22-Se0016459	NCP	%	70			70-130	Pass	
Phenanthrene	S22-Se0016459	NCP	%	72			70-130	Pass	
Pyrene	S22-Se0016459	NCP	%	73			70-130	Pass	
<b>Spike - % Recovery</b>									
<b>Organochlorine Pesticides</b>				Result 1					
Chlordanes - Total	S22-Se0016459	NCP	%	154			70-130	Fail	Q08
4.4'-DDD	S22-Se0016459	NCP	%	78			70-130	Pass	
4.4'-DDE	S22-Se0016459	NCP	%	73			70-130	Pass	
4.4'-DDT	S22-Se0016459	NCP	%	81			70-130	Pass	
a-HCH	S22-Se0016459	NCP	%	79			70-130	Pass	
Aldrin	S22-Se0016459	NCP	%	74			70-130	Pass	
b-HCH	S22-Se0016459	NCP	%	74			70-130	Pass	
d-HCH	S22-Se0016459	NCP	%	79			70-130	Pass	
Dieldrin	S22-Se0016459	NCP	%	79			70-130	Pass	
Endosulfan I	S22-Se0016459	NCP	%	70			70-130	Pass	
Endosulfan II	S22-Se0016459	NCP	%	83			70-130	Pass	
Endosulfan sulphate	S22-Se0016459	NCP	%	80			70-130	Pass	
Endrin	S22-Se0016459	NCP	%	86			70-130	Pass	
Endrin ketone	S22-Se0016459	NCP	%	82			70-130	Pass	
g-HCH (Lindane)	S22-Se0016459	NCP	%	78			70-130	Pass	
Heptachlor	S22-Se0016459	NCP	%	82			70-130	Pass	
Heptachlor epoxide	S22-Se0016459	NCP	%	73			70-130	Pass	
Hexachlorobenzene	S22-Se0016459	NCP	%	73			70-130	Pass	
Methoxychlor	S22-Se0016459	NCP	%	81			70-130	Pass	
<b>Spike - % Recovery</b>									
<b>Heavy Metals</b>				Result 1					
Arsenic	S22-Se0016462	NCP	%	114			75-125	Pass	
Cadmium	S22-Se0016462	NCP	%	105			75-125	Pass	
Chromium	S22-Se0016462	NCP	%	86			75-125	Pass	
Copper	S22-Se0016462	NCP	%	78			75-125	Pass	
Lead	S22-Se0016462	NCP	%	80			75-125	Pass	
Mercury	S22-Se0016462	NCP	%	87			75-125	Pass	
Nickel	S22-Se0016462	NCP	%	80			75-125	Pass	
Zinc	S22-Se0016462	NCP	%	84			75-125	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
<b>Duplicate</b>									
<b>Total Recoverable Hydrocarbons</b>				Result 1	Result 2	RPD			
TRH C6-C9	S22-Se0018962	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C10-C14	S22-Se0016458	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	S22-Se0016458	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	S22-Se0016458	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Naphthalene	S22-Se0018962	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
TRH C6-C10	S22-Se0018962	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH >C10-C16	S22-Se0016458	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	S22-Se0016458	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	S22-Se0016458	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
<b>Duplicate</b>									
<b>BTEX</b>				Result 1	Result 2	RPD			
Benzene	S22-Se0018962	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S22-Se0018962	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S22-Se0018962	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S22-Se0018962	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S22-Se0018962	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S22-Se0018962	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Acenaphthylene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Anthracene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benz(a)anthracene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(a)pyrene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(b&j)fluoranthene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(g,h,i)perylene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(k)fluoranthene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Chrysene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Dibenz(a,h)anthracene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Fluoranthene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Fluorene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Naphthalene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Phenanthrene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Pyrene	S22-Se0016458	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	S22-Se0016458	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
4,4'-DDD	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4,4'-DDE	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4,4'-DDT	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Aldrin	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
b-HCH	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
d-HCH	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Dieldrin	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan I	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan II	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan sulphate	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin aldehyde	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin ketone	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Heptachlor	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Heptachlor epoxide	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Hexachlorobenzene	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Methoxychlor	S22-Se0016458	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Toxaphene	S22-Se0016458	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	S22-Se0018380	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Cadmium	S22-Se0018380	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Chromium	S22-Se0018380	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Copper	S22-Se0018380	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Lead	S22-Se0018380	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Mercury	W22-Se0018780	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass
Nickel	S22-Se0018380	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Zinc	S22-Se0018380	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass

## Comments

### Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

### Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.

### Authorised by:

Asim Khan	Analytical Services Manager
Gabriele Cordero	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-Volatile



**Glenn Jackson**  
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

\* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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## Sample Receipt Advice

**Company name:** Aargus Pty Ltd  
**Contact name:** - ALL INVOICES/SRA - Mark Kelly  
**Project name:** DETAILED SITE INVESTIGATION NEWPORT  
**Project ID:** ES8577  
**Turnaround time:** 5 Day  
**Date/Time received:** Sep 8, 2022 5:35 PM  
**Eurofins reference:** 921905

## Sample Information

- ✓ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ✓ All samples have been received as described on the above COC.
- ✓ COC has been completed correctly.
- ✓ Attempt to chill was evident.
- ✓ Appropriately preserved sample containers have been used.
- ✓ All samples were received in good condition.
- ✓ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ✓ Appropriate sample containers have been used.
- ✓ Sample containers for volatile analysis received with zero headspace.
- ✗ Split sample sent to requested external lab.
- ✗ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

## Notes

Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

## Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

**Asim Khan on phone : or by email: [AsimKhan@eurofins.com](mailto:AsimKhan@eurofins.com)**

Results will be delivered electronically via email to - ALL INVOICES/SRA - Mark Kelly - [mark.kelly@aargus.net](mailto:mark.kelly@aargus.net).



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6 Monterey Road  
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NATA# 1261 Site# 1254

**Sydney**  
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NSW 2145  
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NATA# 1261 Site# 18217

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**Brisbane**  
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**Company Name:** Aargus Pty Ltd  
**Address:** 6 Carter Street  
Lidcombe  
NSW 2141

**Project Name:** DETAILED SITE INVESTIGATION NEWPORT  
**Project ID:** ES8577

**Order No.:**  
**Report #:** 921905  
**Phone:** 02 9568 6159  
**Fax:** 02 9566 6179

**Received:** Sep 8, 2022 5:35 PM  
**Due:** Sep 15, 2022  
**Priority:** 5 Day  
**Contact Name:** - ALL INVOICES/SRA - Mark Kelly

**Eurofins Analytical Services Manager : Asim Khan**

**Sample Detail**

**Melbourne Laboratory - NATA # 1261 Site # 1254**

**Sydney Laboratory - NATA # 1261 Site # 18217**

**External Laboratory**

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID	pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
1	BH1 0-0.1	Sep 07, 2022		Soil	S22-Se0018341					X		X	X		
2	BH1 0.9-1	Sep 07, 2022		Soil	S22-Se0018342			X	X	X		X	X	X	X
3	BH2 0-0.1	Sep 07, 2022		Soil	S22-Se0018343										
4	BH2 0.9-1	Sep 07, 2022		Soil	S22-Se0018344			X		X					
5	BH3 0-0.1	Sep 07, 2022		Soil	S22-Se0018345				X	X		X			
6	BH3 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018346			X		X					
7	BH4 0-0.1	Sep 07, 2022		Soil	S22-Se0018347		X	X		X					
8	BH4 0.6-0.7	Sep 07, 2022		Soil	S22-Se0018348			X		X					
9	BH5 0-0.1	Sep 07, 2022		Soil	S22-Se0018349				X	X		X			
10	BH5 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018350			X		X					
11	BH6 0-0.1	Sep 07, 2022		Soil	S22-Se0018351				X	X		X			
12	BH6 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018352			X		X					



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NATA# 1261 Site# 1254

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Tel: +61 2 9900 8400  
NATA# 1261 Site# 18217

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Tel: +61 2 6113 8091

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QLD 4172  
Tel: +61 7 3902 4600  
NATA# 1261 Site# 20794

**Newcastle**  
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Tel: +61 2 4968 8448  
NATA# 1261 Site# 25079

**Perth**  
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Tel: +61 8 6253 4444  
NATA# 2377 Site# 2370

**Auckland**  
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Sample Detail						pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
13	BH7 0-0.1	Sep 07, 2022		Soil	S22-Se0018353		X	X		X					
14	BH7 0.8-0.9	Sep 07, 2022		Soil	S22-Se0018354	X		X		X	X				
15	BH8 0-0.1	Sep 07, 2022		Soil	S22-Se0018355					X		X			
16	BH8 0.8-0.9	Sep 07, 2022		Soil	S22-Se0018356			X		X					
17	BH9 0-0.1	Sep 07, 2022		Soil	S22-Se0018357					X		X			
18	BH9 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018358			X		X					
19	BH10 0-0.1	Sep 07, 2022		Soil	S22-Se0018359				X	X		X			
20	BH10 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018360			X		X					
21	BH11 0-0.1	Sep 07, 2022		Soil	S22-Se0018361					X		X			
22	BH11 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018362			X		X					
23	BH12 0-0.1	Sep 07, 2022		Soil	S22-Se0018363		X	X		X					
24	BH12 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018364			X		X					
25	BH13 0-0.1	Sep 07, 2022		Soil	S22-Se0018365					X		X			
26	BH13 0.7-0.8	Sep 07, 2022		Soil	S22-Se0018366			X		X					
27	BH14 0-0.1	Sep 07, 2022		Soil	S22-Se0018367		X			X			X		



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Eurofins Analytical Services Manager : Asim Khan

Sample Detail						pH (1:5 Aqueous extract at 25 °C as rec.)	Organochlorine Pesticides	Metals M8	Suite B13: OCP/PCB	Moisture Set	Cation Exchange Capacity	Eurofins Suite B7	Eurofins Suite B7A	BTEXN and Volatile TRH	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254											X	X	X		
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X		X	X	X	X
28	BH14 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018368			X		X					
29	BH15 0-0.1	Sep 07, 2022		Soil	S22-Se0018369				X	X		X			
30	BH15 0.5-0.6	Sep 07, 2022		Soil	S22-Se0018370			X		X					
31	BH16 0-0.1	Sep 07, 2022		Soil	S22-Se0018371					X		X			
32	BH16 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018372			X		X					
33	BH17 0-0.1	Sep 07, 2022		Soil	S22-Se0018373					X		X			
34	BH17 0.4-0.5	Sep 07, 2022		Soil	S22-Se0018374			X		X					
35	DUPLICATE D1	Sep 07, 2022		Soil	S22-Se0018375		X			X		X			
36	DUPLICATE D2	Sep 07, 2022		Soil	S22-Se0018376		X			X			X		
37	TRIP SPIKE	Sep 07, 2022		Soil	S22-Se0018377										X
38	TRIP BLANK	Sep 07, 2022		Soil	S22-Se0018379									X	
39	R1	Sep 07, 2022		Water	S22-Se0018380		X					X			
Test Counts						1	7	20	5	36	1	15	2	1	1

# AARGUS PTY LTD

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Email invoices: anika@aargus.net; admin@aargus.net; cynthia@aargus.net; mark.kelly@aargus.net

## Laboratory Test Request / Chain of Custody Record

1 of 2

<b>TO:</b> Eurofins Environment Testing Australia Pty Ltd 179 Magowar Road Girraween NSW 2145		<b>Sampling Date:</b> 07.09.2022	<b>Job No:</b> ES8577
<b>PH:</b> 02 9900 8432 <b>ATTN:</b> Sample Receipt		<b>Sampled By:</b> SK	<b>Project:</b> Detailed Site Investigation
<b>EMAIL:</b> <a href="mailto:EnviroSampleNSW@eurofins.com">EnviroSampleNSW@eurofins.com</a>		<b>Project Manager:</b> MK	<b>Location:</b> Newport

Sampling details			Sample type		Results required by: STANDARD												Analysis Suite(s)	KEEP SAMPLE?
Location	Depth (m)	Date	Soil	Water (Filled Up)	Air	Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Zn)	TPH	BTEXN	PAH	OCP			pH, CEC					
BH1	0-0.1	07.09.2022	DSG			✓	✓	✓	✓								B7	YES
BH1	0.9-1	07.09.2022	DSG			✓											M8	YES
BH2	0-0.1	07.09.2022	DSG			✓	✓	✓	✓								B7	YES
BH2	0.9-1	07.09.2022	DSG			✓											M8	YES
BH3	0-0.1	07.09.2022	DSG			✓	✓	✓	✓	✓							B7, B13	YES
BH3	0.7-0.8	07.09.2022	DSG			✓											M8	YES
BH4	0-0.1	07.09.2022	DSG			✓				✓							M8	YES
BH4	0.6-0.7	07.09.2022	DSG			✓											M8	YES
BH5	0-0.1	07.09.2022	DSG			✓	✓	✓	✓	✓							B7, B13	YES
BH5	0.7-0.8	07.09.2022	DSG			✓											M8	YES
BH6	0-0.1	07.09.2022	DSG			✓	✓	✓	✓	✓							B7, B13	YES
BH6	0.4-0.5	07.09.2022	DSG			✓											M8	YES
BH7	0-0.1	07.09.2022	DSG			✓				✓							M8	YES
BH7	0.8-0.9	07.09.2022	DSG			✓							✓				M8	YES
BH8	0-0.1	07.09.2022	DSG			✓	✓	✓	✓								B7	YES
BH8	0.8-0.9	07.09.2022	DSG			✓											M8	YES
BH9	0-0.1	07.09.2022	DSG			✓	✓	✓	✓								B7	YES
BH9	0.7-0.8	07.09.2022	DSG			✓											M8	YES
BH10	0-0.1	07.09.2022	DSG			✓	✓	✓	✓	✓							B7, B13	YES
BH10	0.7-0.8	07.09.2022	DSG			✓											M8	YES

Relinquished by			Received by		
Name	Signature	Date	Name	Signature	Date
SAGAR	SK	08.09.2022			

Legend:

WG	Water sample, glass bottle	USG	Undisturbed soil sample (glass jar)	DSP	Disturbed soil sample (small plastic bag)	@ mole H <sup>+</sup> /tonne
WP	Water sample, plastic bottle	DSG	Disturbed soil sample (glass jar)	✓	Test required	
GV	Glass vial	OTH	Other	ACAN	Air sample, canister	

921905

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Email invoices: anika@aargus.net; admin@aargus.net; cynthia@aargus.net; mark.kelly@aargus.net

## Laboratory Test Request / Chain of Custody Record

2 of 2

<b>TO:</b> Eurofins Environment Testing Australia Pty Ltd 179 Magowar Road Girraween NSW 2145		<b>Sampling Date:</b> 07.09.2022	<b>Job No:</b> ES8577
<b>PH:</b> 02 9900 8432 <b>ATTN:</b> Sample Receipt		<b>Sampled By:</b> SK	<b>Project:</b> Detailed Site Investigation
<b>EMAIL:</b> <a href="mailto:EnviroSampleNSW@eurofins.com">EnviroSampleNSW@eurofins.com</a>		<b>Project Manager:</b> MK	<b>Location:</b> Newport

Sampling details			Sample type			Results required by: STANDARD										
Location	Depth (m)	Date	Soil	Water (Filled Up)	Air	Metals (As, Cd, Cr, Cu, Hg, Pb, Ni, Zn)	TPH	BTEXN	PAH	OCF	PHENOLS				Analysis Suite(s)	KEEP SAMPLE?
BH11	0-0.1	07.09.2022	DSG			✓	✓	✓	✓						B7	YES
BH11	0.4-0.5	07.09.2022	DSG			✓									M8	YES
BH12	0-0.1	07.09.2022	DSG			✓				✓					M8	YES
BH12	0.7-0.8	07.09.2022	DSG			✓									M8	YES
BH13	0-0.1	07.09.2022	DSG			✓	✓	✓	✓						B7	YES
BH13	0.7-0.8	07.09.2022	DSG			✓									M8	YES
BH14	0-0.1	07.09.2022	DSG			✓	✓	✓	✓	✓	✓				B7A	YES
BH14	0.4-0.5	07.09.2022	DSG			✓									M8	YES
BH15	0-0.1	07.09.2022	DSG			✓	✓	✓	✓	✓					B7, B13	YES
BH15	0.5-0.6	07.09.2022	DSG			✓									M8	YES
BH16	0-0.1	07.09.2022	DSG			✓	✓	✓	✓						B7	YES
BH16	0.4-0.5	07.09.2022	DSG			✓									M8	YES
BH17	0-0.1	07.09.2022	DSG			✓	✓	✓	✓						B7	YES
BH17	0.4-0.5	07.09.2022	DSG			✓									M8	YES
DUPLICATE D1	-	07.09.2022	DSG			✓	✓	✓	✓	✓					B7	YES
DUPLICATE D2	-	07.09.2022	DSG			✓	✓	✓	✓	✓	✓				B7A	YES
TripSpike	-	07.09.2022		Vial		Please test for TRH F1 and BTEX										YES
TripBlank	-	07.09.2022		Vial												YES
R1	-	07.09.2022	WP,WG, VIALS			✓	✓	✓	✓	✓					M8	YES
Relinquished by							Received by									
Name		Signature				Date		Name			Signature			Date		
SAGAR		SK				08.09.2022										
Legend:																
WG	Water sample, glass bottle		USG	Undisturbed soil sample (glass jar)		DSP	Disturbed soil sample (small plastic bag)		@ mole H <sup>+</sup> /tonne							
WP	Water sample, plastic bottle		DSG	Disturbed soil sample (glass jar)		✓	Test required									
GV	Glass vial		OTH	Other		ACAN	Air sample, canister									

8/9/22 5:39 PM  
21°C

# APPENDIX O

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## SUMMARY OF RESULTS



**TABLE 1**  
**SCHEDULE OF LABORATORY TESTING**

Analyte / Analyte Group		TYPE	SAMPLING DATE	DUPLICATE	SPLIT	MET-8	TPH & BTEX	PAH	OCP	PHENOLS	ASBESTOS	pH, CEC
Sample	Depth (m)											
BH1	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH1	0.9-1	N	7.09.2022			✓						
BH2	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH2	0.9-1	N	7.09.2022			✓						
BH3	0-0.1	T	7.09.2022			✓	✓	✓	✓		✓	
BH3	0.7-0.8	N	7.09.2022			✓						
BH4	0-0.1	T	7.09.2022			✓			✓		✓	
BH4	0.6-0.7	N	7.09.2022			✓						
BH5	0-0.1	T	7.09.2022	D1	SS1	✓	✓	✓	✓		✓	
BH5	0.7-0.8	N	7.09.2022			✓						
BH6	0-0.1	T	7.09.2022			✓	✓	✓	✓		✓	
BH6	0.4-0.5	N	7.09.2022			✓						
BH7	0-0.1	T	7.09.2022			✓			✓		✓	
BH7	0.8-0.9	N	7.09.2022			✓						✓
BH8	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH8	0.8-0.9	N	7.09.2022			✓						
BH9	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH9	0.8-0.9	N	7.09.2022			✓						
BH10	0-0.1	T	7.09.2022			✓	✓	✓	✓		✓	
BH10	0.7-0.8	N	7.09.2022			✓						
BH11	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH11	0.4-0.5	N	7.09.2022			✓						
BH12	0-0.1	T	7.09.2022			✓			✓		✓	
BH12	0.7-0.8	N	7.09.2022			✓						
BH13	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH13	0.7-0.8	N	7.09.2022			✓						
BH14	0-0.1	T	7.09.2022	D2	SS2	✓	✓	✓	✓	✓	✓	
BH14	0.4-0.5	N	7.09.2022			✓						
BH15	0-0.1	T	7.09.2022			✓	✓	✓	✓		✓	
BH15	0.5-0.6	N	7.09.2022			✓						
BH16	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH16	0.4-0.5	N	7.09.2022			✓						
BH17	0-0.1	T	7.09.2022			✓	✓	✓			✓	
BH17	0.4-0.5	N	7.09.2022			✓						

Notes

MET-8: arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc

OC : Organochlorine Pesticides

PAH: Polycyclic Aromatic Hydrocarbons

TPH: Total Petroleum Hydrocarbons

BTEX: Benzene, Toluene, Ethyl Benzene, Xylene

F,T,N: Fill, Topsoil, Natural

**TABLE A1**  
**HEAVY METALS TEST RESULTS FOR HILs & EILs**

Analyte		HEAVY METALS (mg/kg)							
		ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD <sup>g</sup>	MERCURY	NICKEL	ZINC
Sample Location	Depth (m)								
BH1	0-0.1	17	< 0.4	19	23	160	0.1	< 5	210
BH1	0.9-1	7.6	< 0.4	47	7.5	27	0.1	8	16
BH2	0-0.1	15	< 0.4	13	30	330	0.2	6.7	410
BH2	0.9-1	7.9	< 0.4	62	< 5	24	< 0.1	< 5	39
BH3	0-0.1	9.3	< 0.4	12	33	240	0.2	< 5	260
BH3	0.7-0.8	11	< 0.4	36	5.7	37	< 0.1	< 5	56
BH4	0-0.1	9.9	< 0.4	14	19	260	0.2	< 5	270
BH4	0.6-0.7	9	< 0.4	31	8.4	95	< 0.1	< 5	74
BH5	0-0.1	10	< 0.4	19	18	140	0.1	< 5	120
BH5	0.7-0.8	16	< 0.4	28	< 5	21	< 0.1	< 5	29
BH6	0-0.1	18	0.6	23	400	160	2.8	9.4	260
BH6	0.4-0.5	11	< 0.4	26	17	21	0.2	< 5	22
BH7	0-0.1	11	< 0.4	19	26	470	0.5	< 5	380
BH7	0.8-0.9	6.6	< 0.4	26	< 5	17	< 0.1	< 5	47
BH8	0-0.1	12	< 0.4	16	23	210	0.2	< 5	290
BH8	0.8-0.9	3.2	< 0.4	40	6.4	15	0.1	< 5	5.1
BH9	0-0.1	45	< 0.4	11	36	39	0.1	< 5	61
BH9	0.8-0.9	16	< 0.4	21	< 5	12	< 0.1	< 5	10
BH10	0-0.1	54	< 0.4	16	31	47	0.1	< 5	67
BH10	0.7-0.8	13	< 0.4	35	< 5	15	< 0.1	< 5	5.5
BH11	0-0.1	22	< 0.4	29	190	38	0.1	12	140
BH11	0.4-0.5	17	< 0.4	42	9.6	27	< 0.1	< 5	9
BH12	0-0.1	29	1.3	35	530	250	4.9	15	340
BH12	0.9-1	12	< 0.4	39	49	38	0.6	5.6	33
BH13	0-0.1	4	< 0.4	11	39	65	< 0.1	< 5	67
BH13	0.9-1	25	< 0.4	17	6.8	46	0.1	< 5	28
BH14	0-0.1	17	< 0.4	19	34	35	1.1	< 5	47
BH14	0.7-0.8	13	< 0.4	37	32	34	0.4	< 5	44
BH15	0-0.1	6.4	< 0.4	34	190	66	0.2	19	230
BH15	0.6-0.7	2.1	< 0.4	38	5.4	11	< 0.1	< 5	6.3
BH16	0-0.1	6.9	< 0.4	33	210	65	0.2	21	240
BH16	0.7-0.8	2.3	< 0.4	40	< 5	13	< 0.1	< 5	< 5
BH17	0-0.1	13	< 0.4	43	150	54	0.2	30	170
BH17	0.4-0.5	6.3	< 0.4	44	5.1	14	< 0.1	< 5	< 5
D1	-	9.4	< 0.4	34	150	56	0.1	19	180
D2	-	15	< 0.4	24	25	160	0.1	< 5	410
SS1	-	11	2	73	74	62	<0.1	6	109
SS2	-	16	<1	18	21	123	<0.1	3	182
Practical Quantitation Limits (PQL)		5	0.4	5	5	5	0.1	5	5
<b>NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)</b>									
<b>Health Investigation Levels (HIL) - Table 1A (1)</b>									
HIL A <sup>a</sup>		100	20	100	6000	300	40 <sup>e</sup> / 10 <sup>f</sup>	400	7400
HIL B <sup>b</sup>		500	150	500	30,000	1,200	120 <sup>e</sup> / 30 <sup>f</sup>	1200	60,000
HIL C <sup>c</sup>		300	90	300	17,000	600	80 <sup>e</sup> / 13 <sup>f</sup>	1200	30,000
HIL D <sup>d</sup>		3000	900	3600	240,000	1,500	730 <sup>e</sup> / 180 <sup>f</sup>	6000	400,000
<b>Ecological Investigation Levels (EIL) - Table 1B (5)</b>									
Areas of ecological significance		40 <sup>h</sup>							
Urban residential and public open space <sup>i</sup>		100 <sup>h</sup>							
Commercial and industrial		160 <sup>h</sup>							

- Notes
- a: Residential with garden/accessible soil (home grown produce <10% fruit and vegetable intake (no poultry), also includes childcare centres, preschools and primary schools.
  - b: Residential with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high rise buildings and apartments.
  - c: Public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and footpaths. This does not include undeveloped public open space where the potential for exposure is lower and where a site-specific assessment may be more appropriate
  - d: Commercial/industrial, includes premises such as shops, offices, factories and industrial sites
  - e: Elemental mercury: HIL does not address elemental mercury. A site-specific assessment should be considered if elemental mercury is present, or suspected to be present,
  - f: Methyl mercury: assessment of methyl mercury should only occur where there is evidence of its potential source. It may be associated with inorganic mercury and anaerobic microorganism activity in aquatic environments. In addition the reliability and quality of sampling/analysis should be considered.
  - g: Lead: HIL is based on blood lead models (IEUBK for HILs A, B and C and adult lead model for HIL D where 50% oral bioavailability has been considered. Site-specific bioavailability may be important and should be considered where appropriate.
  - h: Aged values are applicable to arsenic contamination present in soil for at least two years. For fresh contamination refer to Schedule B5c.
  - i: Urban residential / public open space is broadly equivalent to the HIL-A, HIL-B and HIL-C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.

TABLE A2  
CATION EXCHANGE CAPACITY (CEC) & pH TEST RESULTS  
FOR THE SOIL PROPERTIES FOR EILs

Analyte		CEC (cmol/kg)	pH (pH units)
Sample Location	Depth (m)		
BH7	0.8-0.9	12	6.6

TABLE A3  
SITE DERIVED EILs

		Analyte	HEAVY METALS (mg/kg)			
			COPPER	LEAD	NICKEL	ZINC
Sample Location	Depth (m)					
<b>Added Contaminant Limit (ACL) <sup>a</sup></b>						
BH7	0.8-0.9		190	1100	170	400
<b>Ambient Background Concentration (ABC)</b>						
BH7	0.8-0.9		< 5	17	<5	47
<b>Calculated EIL (ABC + ACL)</b>						
BH7	0.8-0.9		195	1117	175	447
<b>FINAL SITE EIL AFTER ROUNDING <sup>b</sup></b>						
BH7	0.8-0.9		200	1100	180	450

Notes      a:      The ACL for Cu may be determined by pH or CEC and the lower of the determined values should be selected for EIL calculation.

              b:      The following rounding rules are applicable to the EILs:

<1	to nearest 0.1
1 - <10	to nearest interger
10 - <100	to nearest 5
100 - <1000	to nearest 10
>1000	to nearest 100



TABLE A4  
METAL TEST RESULTS FOR EILs

<div>Analyte</div>		HEAVY METALS (mg/kg)			
		COPPER	LEAD	NICKEL	ZINC
Sample Location	Depth (m)				
BH1	0-0.1	23	160	< 5	210
BH1	0.9-1	7.5	27	8	16
BH2	0-0.1	30	330	6.7	410
BH2	0.9-1	< 5	24	< 5	39
BH3	0-0.1	33	240	< 5	260
BH3	0.7-0.8	5.7	37	< 5	56
BH4	0-0.1	19	260	< 5	270
BH4	0.6-0.7	8.4	95	< 5	74
BH5	0-0.1	18	140	< 5	120
BH5	0.7-0.8	< 5	21	< 5	29
BH6	0-0.1	400	160	9.4	260
BH6	0.4-0.5	17	21	< 5	22
BH7	0-0.1	26	470	< 5	380
BH7	0.8-0.9	< 5	17	< 5	47
BH8	0-0.1	23	210	< 5	290
BH8	0.8-0.9	6.4	15	< 5	5.1
BH9	0-0.1	36	39	< 5	61
BH9	0.8-0.9	< 5	12	< 5	10
BH10	0-0.1	31	47	< 5	67
BH10	0.7-0.8	< 5	15	< 5	5.5
BH11	0-0.1	190	38	12	140
BH11	0.4-0.5	9.6	27	< 5	9
BH12	0-0.1	530	250	15	340
BH12	0.9-1	49	38	5.6	33
BH13	0-0.1	39	65	< 5	67
BH13	0.9-1	6.8	46	< 5	28
BH14	0-0.1	34	35	< 5	47
BH14	0.7-0.8	32	34	< 5	44
BH15	0-0.1	190	66	19	230
BH15	0.6-0.7	5.4	11	< 5	6.3
BH16	0-0.1	210	65	21	240
BH16	0.7-0.8	< 5	13	< 5	< 5
BH17	0-0.1	150	54	30	170
BH17	0.4-0.5	5.1	14	< 5	< 5
D1	-	150	56	19	180
D2	-	25	160	< 5	410
SS1	-	74	62	6	109
SS2	-	21	123	3	182
Practical Quantitation Limits (PQL)		5	5	5	5
Site Derived Ecological Investigation Levels (EIL)		200	1100	180	450

Notes a: none

TABLE B1-1  
TOTAL RECOVERABLE HYDROCARBONS (TRH), BTEX AND NAPHTHALENE TEST RESULTS  
FOR HSLs IN SAND

Analyte		TRH (mg/kg)		BTEX (mg/kg)				
		F1 <sup>a</sup>	F2 <sup>b</sup>	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	NAPHTHALENE
Sample Location	Depth (m)							
BH1	0-0.1	<20	<50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH2	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH3	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH8	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
DUPLICATE D2	-	<20	<50	<0.1	<0.1	<0.1	<0.3	<0.5
SPLIT SS2	-	<10	<50	<0.2	<0.5	<0.5	<0.5	<1
Practical Quantitation Limits (PQL)		20	50	0.1	0.1	0.1	0.3	0.5
NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)								
Health Screening Levels (HSL) - Table 1A (3)								
HSL A & HSL B: Low-high density residential								
Source depth - 0m to <1m		45	110	0.5	160	55	40	3
Source depth - 1m to <2m		70	240	0.5	220	NL	60	NL
Source depth - 2m to <4m		110	440	0.5	310	NL	95	NL
Source depth - 4m +		200	NL	0.5	540	NL	170	NL
HSL C: recreational / open space								
Source depth - 0m to <1m		NL	NL	NL	NL	NL	NL	NL
Source depth - 1m to <2m		NL	NL	NL	NL	NL	NL	NL
Source depth - 2m to <4m		NL	NL	NL	NL	NL	NL	NL
Source depth - 4m +		NL	NL	NL	NL	NL	NL	NL
HSL D: Commercial / Industrial								
Source depth - 0m to <1m		260	NL	3	NL	NL	230	NL
Source depth - 1m to <2m		370	NL	3	NL	NL	NL	NL
Source depth - 2m to <4m		630	NL	3	NL	NL	NL	NL
Source depth - 4m +		NL	NL	3	NL	NL	NL	NL

Notes

a: To obtain F1 subtract the sum of BTEX concentrations from the C<sub>6</sub>-C<sub>10</sub> fraction.

b: To obtain F2 subtract naphthalene from the >C<sub>10</sub>-C<sub>16</sub> fraction.

NL: Not Limiting

TABLE B1-2  
TOTAL RECOVERABLE HYDROCARBONS (TRH), BTEX AND NAPHTHALENE TEST RESULTS  
FOR HSLs IN CLAY

Analyte		TRH (mg/kg)		BTEX (mg/kg)				
		F1 <sup>a</sup>	F2 <sup>b</sup>	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	NAPHTHALENE
Sample Location	Depth (m)							
BH5	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH6	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH9	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH10	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH11	0-0.1	< 20	< 50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH13	0-0.1	<20	<50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH14	0-0.1	<20	<50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH15	0-0.1	<20	<50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH16	0-0.1	<20	<50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH17	0-0.1	<20	<50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
D1	-	<20	<50	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
SS1	-	<10	<50	<0.2	<0.5	<0.5	<0.5	<1
Practical Quantitation Limits (PQL)		20	50	0.1	0.1	0.1	0.3	0.5
NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)								
Health Screening Levels (HSL) - Table 1A (3)								
HSL A & HSL B: Low-high density residential								
Source depth - 0m to <1m		50	280	0.7	480	NL	110	5
Source depth - 1m to <2m		90	NL	1	NL	NL	310	NL
Source depth - 2m to <4m		150	NL	2	NL	NL	NL	NL
Source depth - 4m +		290	NL	3	NL	NL	NL	NL
HSL C: recreational / open space								
Source depth - 0m to <1m		NL	NL	NL	NL	NL	NL	NL
Source depth - 1m to <2m		NL	NL	NL	NL	NL	NL	NL
Source depth - 2m to <4m		NL	NL	NL	NL	NL	NL	NL
Source depth - 4m +		NL	NL	NL	NL	NL	NL	NL
HSL D: Commercial / Industrial								
Source depth - 0m to <1m		310	NL	4	NL	NL	NL	NL
Source depth - 1m to <2m		480	NL	6	NL	NL	NL	NL
Source depth - 2m to <4m		NL	NL	9	NL	NL	NL	NL
Source depth - 4m +		NL	NL	20	NL	NL	NL	NL

Notes

a:

To obtain F1 subtract the sum of BTEX concentrations from the C<sub>6</sub>-C<sub>10</sub> fraction.

b:

To obtain F2 subtract naphthalene from the >C<sub>10</sub>-C<sub>16</sub> fraction.

NL:

Not Limiting

TABLE B2-1  
TOTAL RECOVERABLE HYDROCARBONS (TRH), BTEX AND BENZO(a)PYRENE TEST RESULTS  
ESLs FOR COARSE GRAINED SOIL TEXTURE

Analyte		TRH (mg/kg)				BTEX (mg/kg)				PAH (mg/kg)
		F1 (C <sub>6</sub> -C <sub>10</sub> ) <sup>a</sup>	F2 (>C <sub>10</sub> -C <sub>16</sub> ) <sup>b</sup>	F3 (C <sub>16</sub> -C <sub>34</sub> )	F4 (C <sub>34</sub> -C <sub>40</sub> )	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	BENZO(a)PYRENE
Sample Location	Depth (m)									
BH1	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH2	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH3	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH8	0-0.1	< 20	< 50	170	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
D2	-	< 20	< 50	130	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
SS2	-	<10	<50	<100	<100	<0.2	<0.5	<0.5	<0.5	<0.5
Practical Quantitation Limits (PQL)		20	50	100	100	0.1	0.1	0.1	0.3	0.5
NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)										
Ecological Screening Levels (ESL) - Table 1B (6)										
Areas of ecological significance		125*	25*	-	-	8	10	1.5	10	0.7
Urban residential and public open space		180*	120*	300	2800	50	85	70	105	0.7
Commercial and industrial		215*	170*	1700	3300	75	135	165	180	1.4

Notes

a: To obtain F1 subtract the sum of BTEX concentrations from the C<sub>6</sub>-C<sub>10</sub> fraction.

b: To obtain F2 subtract naphthalene from the >C<sub>10</sub>-C<sub>16</sub> fraction.

\*: ESLs are of low reliability except where indicated by \* which indicates that the ESL is of moderate reliability.

“-”: “-” indicates that insufficient data was available to derive a value.

TABLE B2-2  
TOTAL RECOVERABLE HYDROCARBONS (TRH), BTEX AND BENZO(a)PYRENE TEST RESULTS  
ESLs FOR FINE GRAINED SOIL TEXTURE

Analyte		TRH (mg/kg)				BTEX (mg/kg)				PAH (mg/kg)
		F1 (C <sub>6</sub> -C <sub>10</sub> ) <sup>a</sup>	F2 (>C <sub>10</sub> -C <sub>16</sub> ) <sup>b</sup>	F3 (C <sub>16</sub> -C <sub>34</sub> )	F4 (C <sub>34</sub> -C <sub>40</sub> )	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	BENZO(a)PYRENE
Sample Location	Depth (m)									
BH5	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH6	0-0.1	< 20	< 50	110	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH9	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH10	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH11	0-0.1	< 20	< 50	160	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH13	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH14	0-0.1	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH15	0-0.1	< 20	< 50	180	100	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH16	0-0.1	< 20	< 50	210	110	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
BH17	0-0.1	< 20	< 50	190	120	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
D1	-	< 20	< 50	180	110	< 0.1	< 0.1	< 0.1	< 0.3	< 0.5
SS1	-	<10	<50	<100	<100	<0.2	<0.5	<0.5	<0.5	<0.5
Practical Quantitation Limits (PQL)		20	50	100	100	0.1	0.1	0.1	0.3	0.5
NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)										
Ecological Screening Levels (ESL) - Table 1B (6)										
Areas of ecological significance		125*	25*	-	-	10	65	40	1.6	0.7
Urban residential and public open space		180*	120*	1300	5600	65	105	125	45	0.7
Commercial and industrial		215*	170*	2500	6600	95	135	185	95	1.4

Notes

a: To obtain F1 subtract the sum of BTEX concentrations from the C<sub>6</sub>-C<sub>10</sub> fraction.

b: To obtain F2 subtract naphthalene from the >C<sub>10</sub>-C<sub>16</sub> fraction.

\*: ESLs are of low reliability except where indicated by \* which indicates that the ESL is of moderate reliability.

"-": "-" indicates that insufficient data was available to derive a value.

TABLE B3-1  
TOTAL RECOVERABLE HYDROCARBONS (TRH) TEST RESULTS  
MANAGEMENT LIMITS FOR COARSE GRAINED SOIL TEXTURE

Analyte		TRH (mg/kg)			
		F1 (C <sub>6</sub> -C <sub>10</sub> ) <sup>a</sup>	F2 (>C <sub>10</sub> -C <sub>16</sub> ) <sup>a</sup>	F3 (C <sub>16</sub> -C <sub>34</sub> )	F4 (C <sub>34</sub> -C <sub>40</sub> )
Sample Location	Depth (m)				
BH1	0-0.1	< 20	< 50	< 100	< 100
BH2	0-0.1	< 20	< 50	< 100	< 100
BH3	0-0.1	< 20	< 50	< 100	< 100
BH8	0-0.1	< 20	< 50	170	< 100
D2	-	< 20	< 50	130	< 100
SS2	-	<10	<50	<100	<100
Practical Quantitation Limits (PQL)		20	50	100	100
NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)					
Management Limits - Table 1B (7)					
Residential parkland and public open space		700	1000	2500	10,000
Commercial and industrial		700	1000	3500	10,000

Notes

a:

Separate management limits for BTEX and naphthalene are not available hence these should not be subtracted from the relevant fractions to obtain F1 and F2.

b:

Management limits are applied after consideration of relevant ESLs and HSLs.

TABLE B3-2  
TOTAL RECOVERABLE HYDROCARBONS (TRH) TEST RESULTS  
MANAGEMENT LIMITS FOR FINE GRAINED SOIL TEXTURE

Analyte		TRH (mg/kg)			
		F1 (C <sub>8</sub> -C <sub>10</sub> ) <sup>a</sup>	F2 (>C <sub>10</sub> -C <sub>16</sub> ) <sup>a</sup>	F3 (C <sub>16</sub> -C <sub>34</sub> )	F4 (C <sub>34</sub> -C <sub>40</sub> )
Sample Location	Depth (m)				
BH5	0-0.1	< 20	< 50	< 100	< 100
BH6	0-0.1	< 20	< 50	110	< 100
BH9	0-0.1	< 20	< 50	< 100	< 100
BH10	0-0.1	< 20	< 50	< 100	< 100
BH11	0-0.1	< 20	< 50	160	< 100
BH13	0-0.1	< 20	< 50	< 100	< 100
BH14	0-0.1	< 20	< 50	< 100	< 100
BH15	0-0.1	< 20	< 50	180	100
BH16	0-0.1	< 20	< 50	210	110
BH17	0-0.1	< 20	< 50	190	120
D1	-	< 20	< 50	180	110
SS1	-	<10	<50	<100	<100
Practical Quantitation Limits (PQL)		20	50	100	100
NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)					
Management Limits - Table 1B (7)					
Residential parkland and public open space		800	1000	3500	10,000
Commercial and industrial		800	1000	5000	10,000

Notes

a: Separate management limits for BTEX and naphthalene are not available hence these should not be subtracted from the relevant fractions to obtain F1 and F2.

b: Management limits are applied after consideration of relevant ESLs and HSLs.

TABLE C  
POLYCYCLIC AROMATIC HYDROCARBONS (PAH), ORGANOCHLORINE PESTICIDES (OCP) AND PHENOLS TEST RESULTS FOR HILs, EILs & ESLs

Analyte		PAH (mg/kg)				Organochlorine Pesticides (mg/kg)								Phenols (mg/kg)		
		Carcinogenic PAHs (as BaP TEQ) <sup>e</sup>	TOTAL PAHs <sup>f</sup>	BENZO(a)PYRENE	NAPHTHALENE	DDT + DDE + DDD	ALDRIN & DIELDRIN	CHLORDANE	ENDOSULFAN	ENDRIN	HEPTACHLOR	HCB	METHOXYCHLOR	PHENOL	PENTACHLOROPHENOL	CRESOLS
Sample Location	Depth (m)															
BH1	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
BH2	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
BH3	0-0.1	0.6	1.4	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
BH4	0-0.1	-	-	-	-	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
BH5	0-0.1	0.6	< 0.5	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
BH6	0-0.1	0.6	< 0.5	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
BH7	0-0.1	-	-	-	-	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
BH8	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
BH9	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
BH10	0-0.1	0.6	< 0.5	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
BH11	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
BH12	0-0.1	-	-	-	-	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
BH13	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
BH14	0-0.1	0.6	< 0.5	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1	< 0.5
BH15	0-0.1	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-
BH16	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
BH17	0-0.1	0.6	< 0.5	< 0.5	< 0.5	-	-	-	-	-	-	-	-	-	-	-
D1	-	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-
D2	-	0.6	1.4	< 0.5	< 0.5	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	< 1	< 0.5
SS1	-	0.6	0.5	<0.5	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	< 0.5	< 2	< 0.5
SS2	-	0.6	1.4	<0.5	<0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	< 0.5	< 2	< 0.5
Practical Quantitation Limits (PQL)		0.5	0.5	0.5	0.5	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.2	0.5	1	0.6
NATIONAL ENVIRONMENT PROTECTION MEASURE (2013)																
Health Investigation Levels (HIL) - Table 1A (1)																
HIL A <sup>a</sup>		3	300			240	6	50	270	10	6	10	300	3000	100	400
HIL B <sup>b</sup>		4	400			600	10	90	400	20	10	15	500	45,000	130	4700
HIL C <sup>c</sup>		3	300			400	10	70	340	20	10	10	400	40,000	120	4000
HIL D <sup>d</sup>		40	4000			3600	45	530	2000	100	50	80	2500	240,000	660	25,000
Ecological Investigation Levels (EIL) - Table 1B (5)																
Areas of ecological significance					10 <sup>g</sup>	3 <sup>g, j</sup>										
Urban residential and public open space <sup>h</sup>					170 <sup>g</sup>	180 <sup>g, i</sup>										
Commercial and industrial					370 <sup>g</sup>	640 <sup>g, i</sup>										
Ecological Screening Levels (ESL) - Table 1B (6)																
Areas of ecological significance					0.7 <sup>i</sup>											
Urban residential and public open space					0.7 <sup>i</sup>											
Commercial and industrial					1.4 <sup>i</sup>											

- Notes
- a: Residential with garden/accessible soil (home grown poduce <10% fruit and vegetable intake (no poultry), also includes childcare centres, preschools and primary schools.
- b: Residential with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high rise buildings and apartments.
- c: Public open space such as parks, playgrounds, playing fields (e.g. ovals), secondary schools and footpaths. This does not include undeveloped public open space where the potential for exposure is lower and where a site-specific assessment may be more appropriate.
- d: Commercial/industrial, includes premises such as shops, offices, factories and industrial sites
- e: Carcinogenic PAHs: HIL is based on the 8 carcinogenic PAHs and their TEFs (potency relative to B(a)P) adopted by CCME 2008 (refer Schedule B7). The B(a)P TEQ is calculated by multiplying the concentration of each carcinogenic PAH in the sample by its B(a)P TEF, given below, and summing these products.

PAH species	TEF	PAH species	TEF
Benzo(a)anthracene	0.1	Benzo(g,h,i)perylene	0.01
Benzo(a)pyrene	1	Chrysene	0.01
Benzo(b+j)fluoranthene	0.1	Dibenz(a,h)anthracene	1
Benzo(k)fluoranthene	0.1	Indeno(1,2,3-c,d)pyrene	0.1

Where the B(a)P occurs in bitumen fragments it is relatively immobile and does not represent a significant health risk.

- f: Total PAHs: HIL is based on the sum of the 16 PAHs most commonly reported for contaminated sites (WHO 1998). The application of the total PAH HIL should consider the presence of carcinogenic PAHs and naphthalene (the most volatile PAH). Carcinogenic PAHs reported in the total PAHs should meet the B(a)P TEQ HIL. Naphthalene reported in the total PAHs should meet the relevant HSL.
- g: Insufficient data was available to calculate aged values for DDT and naphthalene, consequently the values for fresh contamination should be used.
- h: Urban residential / public open space is broadly equivalent to the HIL-A, HIL-B and HIL-C land use scenarios in Table 1A(1) Footnote 1 and as described in Schedule B7.
- i: For coarse and fine grained texture soils.
- j: For DDT only.



TABLE D  
ASBESTOS TEST RESULTS

Analyte			Field Observations* Visible ACM detected (>7mm)	Material Sampled for Analysis	Laboratory Results Asbestos Present / Absent	Type of Asbestos Present	Laboratory Results Asbestos %w/w
Sample Location	Date Sampled	Depth (m)					
BH1	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH2	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH3	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH4	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH5	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH6	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH7	07.09.2022	0-0.1	No visible ACM observed	Soil	Chrysotile Asbestos detected	AF	0.00003
BH8	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH9	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH10	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH11	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH12	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH13	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH14	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH15	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH16	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
BH17	07.09.2022	0-0.1	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
D1	07.09.2022	-	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
D2	07.09.2022	-	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
SS1	07.09.2022	-	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
SS2	07.09.2022	-	No visible ACM observed	Soil	No Asbestos detected	-	<0.001
WA Guidelines for the Assessment, Remediation and Management of Asbestos - Contaminated Sites in Western Australia - May 2009							
National Environment Protection (Assessment of Site Contamination) Measure 2013 Schedule B1							
%w/w asbestos for FA and AF							0.001%
%w/w asbestos for ACM - Residential use, childcare centres, preschools etc.							0.01%
%w/w asbestos for ACM - Residential, minimal soil access (fully sealed surfaces)							0.04%
%w/w asbestos for ACM - Parks, public open spaces, playing fields etc.							0.02%
%w/w asbestos for ACM - Commercial / Industrial							0.05%
All forms of Asbestos						No visible asbestos for surface soils	

Note:  
ACM = Asbestos Containing Materials >7mm x 7mm (visible by eye)  
FA = Friable and Fibrous Asbestos Materials >7mm x 7mm and <7mm x 7mm  
AF = Asbestos Fines <7mm x 7mm ACM including free fibres (visible by microscope only)  
\* Field Observations: All ACM observed are assumed to contain Asbestos until otherwise tested and recorded as such.  
NT = Not Tested

# APPENDIX P

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## QA/QC ASSESSMENT

# 1 FIELD DATA QUALITY ASSESSMENT SOILS

## 1.1 Field Data Completeness

Field Sample Category - Soils	Number (Target)	Non-conformances	Number (Useable)	Overall Completeness %
Primary Samples	34	0	34	100%
Intra-Lab Duplicates	2	0	2	100%
Inter-Lab Duplicates	2	0	2	100%
Rinsate Blanks	1	0	1	100%
Trip Spikes	1	0	1	100%
Trip Blank	1	0	1	100%

**Note:** (\*) – Overall Completeness is calculated as a percentage of the number of useable samples over the target number of samples required. The required percentage completeness is specified in the DQOs.

Field Consideration	Yes / No	Comments / Non-Conformances
Were all critical locations sampled?	Y	All critical locations were sampled as per the DQOs.
Were all samples collected from critical densities and depths?	Y	All samples were recovered as per DQOs.
Were the Standard Operating Procedures (SOPs) appropriate and complied with?	Y	The Aargus Fieldwork Protocols were appropriate and complied with.
Were the samplers adequately experienced?	Y	Sampling was conducted by Aargus Environmental Engineers Sagar Koirala and Divyansh Kumar.
Was field documentation complete and correct?	Y	Field records can be found in Appendix L of the report.
Were an adequate number of intra-laboratory duplicate samples collected?	Y	100% of intra-laboratory duplicate samples required were collected, as shown in the table above.
Were an adequate number of inter-laboratory duplicate samples collected?	Y	100% of inter-laboratory duplicate samples required were collected as per the table above.
Were an adequate number of rinsate samples collected?	Y	100% of the rinsate samples required were collected as per the table above.
Were an adequate number of trip blanks collected?	Y	100% of trip blanks required were collected as per the table above.
Were an adequate number of trip spikes collected?	Y	100% of trip blanks required were collected as per the table above.

## 1.2 Field Data Comparability

Field Consideration	Yes / No	Comments / Non-Conformances
Were the same SOPs used on each occasion?	Y	Aargus Fieldwork Protocols were utilised throughout each sampling event.
Was all sampling undertaken by the same person?	Y	Sampling was undertaken by Sagar Koirala and Divyansh Kumar
Could climatic conditions (such as temperature, rainfall, etc.) influence data comparability?	N	There was no precipitation on the date & time of sampling, which could affect the data comparability.
Were the same types of samples collected (filtered, size, fractions, etc.) for each media?	Y	Samples were collected in the same types of containers provided by the laboratory.
Was each field parameter measured using the same equipment?	Y	Headspace analysis was carried out using the same PID meter.
Was the same method and equipment used for the extraction of samples?	Y	Soil samples were recovered by the same method with the aid from a hand auger.

## 1.3 Field Data Representativeness

Laboratory Batch	Laboratory	Sample Medium	Container Breakages	Sample Preservation	Headspace / Temperature
921905	Eurofins Sydney	Soil and Water	Compliant	Compliant	Compliant
ES2232298	ALS Sydney	Soil	Compliant	Compliant	Compliant
ASET 104388	ASET	Soil	Compliant	Compliant	Compliant

Field Consideration	Yes / No	Comments / Non-Conformances
Was appropriate media sampled in accordance with the DQOs?	Y	All soil samples were sampled in accordance with the DQOs.
Was all media identified in the DQOs sampled?	Y	All soil samples specified in the DQO were sampled.
Were all samples' appropriately handled?	Y	All samples collected were received by the laboratories intact.
Were all samples preserved appropriately?	Y	All samples collected were placed in ice boxes with ice bricks to preserve the samples. Where relevant, samples were stored in acid-preserved containers supplied by laboratories.

## 1.4 Field Data Precision

Field Consideration	Yes / No	Comments / Non-Conformances
Were the SOPs appropriate and complied with?	Y	The recovery of field duplicates was conducted in accordance with Aargus Fieldwork Protocols to allow for the assessment of field precision.

## 1.5 Field Data Accuracy

Field Consideration	Yes / No	Comments / Non-Conformances
Were the SOPs appropriate and complied with?	Y	The recovery of a trip blank and a spike sample was conducted in accordance with Aargus Fieldwork Protocols to allow for the assessment of field accuracy.

## 2 LABORATORY DATA QUALITY ASSESSMENT

### 2.1 Laboratory Data Completeness

Laboratory Considerations	Yes / No	Comments / Non-Conformances
Were all critical samples analysed according to the DQOs?	Y	All critical samples were analysed according to DQOs.
Were all analytes analysed according to the DQOs?	Y	All analytes were analysed according to DQOs.
Were the laboratory methods and PQLs appropriate?	Y	US EPA Analytical Methods were used. PQLs were below their respective assessment criteria.
Was sample documentation complete?	Y	The sample documentation was correctly completed on the COCs.
Were sample holding times complied with?	Y	All the samples were within holding time for soil samples.
Were an adequate number of laboratory duplicates analysed?	Y	An adequate number of laboratory duplicates were analysed for soil samples.
Were an adequate number of laboratory blank samples analysed?	Y	An adequate number of laboratory blank samples were analysed.
Were an adequate number of Laboratory Control Samples analysed?	Y	An adequate number of Laboratory Control Samples were analysed.
Were an adequate number of laboratory matrix spikes/duplicates analysed?	Y	An adequate number of Matrix spikes / duplicates were analysed.
Were an adequate number of surrogates analysed?	Y	An adequate number of surrogates were analysed.

### 2.2 Laboratory Data Comparability

Laboratory Considerations	Yes / No	Comments / Non-Conformances
Were the same analytical methods used for each analyte?	Y	All analytical methods used between laboratories were based on the USEPA/APHA methods.
Were the PQLs used for each analyte less than 20% of their respective assessment criteria?	Y	The PQLs for analytes in soil samples were below 20% of their respective assessment criteria.
Were the sample PQLs used for each analyte the same?	N	<p>Sample PQL's were the same within each laboratory, but different between primary and secondary laboratories.</p> <p>In addition, a raised PQL was present in:</p> <ul style="list-style-type: none"> <li>- BH15 &amp; D1 for OCP due to matrix interference.</li> </ul> <p>However, the PQLs used were below the assessment criteria and hence will not affect the assessment outcome.</p>

Laboratory Considerations	Yes / No	Comments / Non-Conformances
Were the same laboratories used for analyses of each contaminant type?	Y	Eurofins Sydney was the primary laboratory. ALS Sydney was the secondary laboratory.
Were the units reported for each analyte the same?	Y	Analytical units of measurement for soil were mg/kg, %wt/wt and mg/L or µg/L for the rinsate sample.

### 2.3 Laboratory Data Representativeness

Laboratory Considerations	Yes / No	Comments / Non-Conformances
Were all samples analysed according to the DQOs?	Y	The majority of the samples were analysed according to the proposal.

### 2.4 Laboratory Data Precision

Laboratory Considerations	Yes / No	Comments / Non-Conformances
Were the RPDs of the field duplicates within control limits?	N	<p>All field duplicate results were within the control limit of &lt;50% with the exception of:</p> <ul style="list-style-type: none"> <li>- Chromium, copper &amp; lead in BH5/D1</li> <li>- Lead, mercury &amp; zinc in BH14/D2</li> <li>- Chromium, copper &amp; lead in BH5/SS1</li> <li>- Lead &amp; zinc in BH14/SS2</li> </ul> <p>Due to sample heterogeneity and/or low concentrations detected.</p> <p>The exceedances were considered not to affect the adequacy of the sample results since the collected data is above 95% accuracy.</p>
Were the RPDs of the laboratory duplicates within control limits?	N	<p>Based on the laboratory's acceptance criteria, all RPDs of the laboratory duplicates were within control limits except for Arsenic, Copper, Lead, Mercury, Zinc &amp;/or TRH.</p> <p>The duplicate %RPD is outside the recommended acceptance criteria. Further analysis indicates sample heterogeneity as the cause. The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.</p>

**Note:** Please refer to the tables attached at the end of this QA/QC assessment for calculations of the field RPDs.

## 2.5 Laboratory Data Accuracy

Laboratory Considerations	Yes / No	Comments / Non-Conformances
Were the rinsates free of contaminants?	Y	The concentrations of the analytes were below the PQLs, and the data set was considered to be adequately accurate.
Were the trip blanks free of contaminants?	Y	The test results for the trip blank samples, reported concentrations to be less than the PQLs, therefore cross-contamination has not occurred.
Were the laboratory blanks free of contaminants?	Y	Laboratory blanks were free of contaminants.
Were the surrogate spikes within control limits?	Y	Surrogate spikes were within control limits.
Were laboratory control samples within control limits?	Y	Laboratory control samples were within control limits.
Were matrix spike recoveries within control limits?	N	<p>The matrix spike recoveries were within control limits, with the exception of:</p> <ul style="list-style-type: none"> <li>- Chlordane's-Total in 921905-W</li> </ul> <p>The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.</p>
Were the trip spike recoveries within the control limits?	Y	The trip spike recoveries were within the control limits; therefore, the data set was considered suitable for interpretation.

**Note:** Please refer to the tables attached at the end of this QA/QC assessment for tables showing the results of field blanks.



**TABLE P1  
DUPLICATE SAMPLE**

<b>ANALYTE</b>	<b>BH5 0-0.1m mg/kg</b>	<b>DUPLICATE D1 mg/kg</b>	<b>RELATIVE PERCENTAGE DIFFERENCE %</b>
<b>HEAVY METALS</b>			
Arsenic	10	9.4	6
Cadmium	< 0.4	< 0.4	-
Chromium	19	34	57
Copper	18	150	157
Lead	140	56	86
Mercury	0.1	0.1	0
Nickel	< 5	19	-
Zinc	120	180	40
<b>TOTAL PETROLEUM HYDROCARBONS (TPH)</b>			
C6 - C10	< 20	< 20	-
C10 - C16	< 50	< 50	-
C16 - C34	< 100	180	-
C34-C40	< 100	110	-
<b>BTEX</b>			
Naphthalene	< 0.5	< 0.5	
Benzene	< 0.1	< 0.1	-
Toluene	< 0.1	< 0.1	-
Ethyl Benzene	< 0.1	< 0.1	-
Total Xylenes	< 0.3	< 0.3	-
<b>POLYCYCLIC AROMATIC HYDROCARBONS (PAH)</b>			
B(a)P as TEQ	0.6	0.6	0
Total PAH	< 0.5	< 0.5	-
Benzo(a)pyrene	< 0.5	< 0.5	-
Naphthalene	< 0.5	< 0.5	-
<b>ORGANOCHLORINE PESTICIDES (OCP)</b>			
DDD + DDE + DDT	< 0.05	< 0.5	-
Aldrin + Dieldrin	< 0.05	< 0.5	-
Chlordane	< 0.1	< 1	-
Endosulfan	< 0.05	< 0.5	-
Endrin	< 0.05	< 0.5	-
Heptachlor	< 0.05	< 0.5	-
HCB	< 0.05	< 0.5	-
Methoxychlor	< 0.05	< 0.5	-

**TABLE P2  
DUPLICATE SAMPLE**

<b>ANALYTE</b>	<b>BH14 0-0.1m mg/kg</b>	<b>DUPLICATE D2 mg/kg</b>	<b>RELATIVE PERCENTAGE DIFFERENCE %</b>
<b>HEAVY METALS</b>			
Arsenic	17	15	13
Cadmium	< 0.4	< 0.4	-
Chromium	19	24	23
Copper	34	25	31
Lead	35	160	128
Mercury	1.1	0.1	167
Nickel	< 5	< 5	-
Zinc	47	410	159
<b>TOTAL PETROLEUM HYDROCARBONS (TPH)</b>			
C6 - C10	< 20	< 20	-
C10 - C16	< 50	< 50	-
C16 - C34	180	130	32
C34-C40	< 100	< 100	-
<b>BTEX</b>			
Naphthalene	< 0.5	< 0.5	-
Benzene	< 0.1	< 0.1	-
Toluene	< 0.1	< 0.1	-
Ethyl Benzene	< 0.1	< 0.1	-
Total Xylenes	< 0.3	< 0.3	-
<b>POLYCYCLIC AROMATIC HYDROCARBONS (PAH)</b>			
B(a)P as TEQ	0.6	0.6	0
Total PAH	< 0.5	1.4	-
Benzo(a)pyrene	< 0.5	< 0.5	-
Naphthalene	< 0.5	< 0.5	-
<b>ORGANOCHLORINE PESTICIDES (OCP)</b>			
DDD + DDE + DDT	< 0.05	< 0.05	-
Aldrin + Dieldrin	< 0.05	< 0.05	-
Chlordane	< 0.1	< 0.1	-
Endosulfan	< 0.05	< 0.05	-
Endrin	< 0.05	< 0.05	-
Heptachlor	< 0.05	< 0.05	-
HCB	< 0.05	< 0.05	-
Methoxychlor	< 0.05	< 0.05	-
<b>PHENOLS</b>			
Phenol	< 0.5	< 0.5	-
Pentachlorophenols	< 1	< 1	-
Cresols	< 0.5	< 0.5	-

**TABLE P3  
SPLIT SAMPLE**

ANALYTE	BH5 0-0.1m mg/kg Eurofins SYDNEY	SPLIT SS1 mg/kg ALS SYDNEY	RELATIVE PERCENTAGE DIFFERENCE (RPD) %
<b>HEAVY METALS</b>			
Arsenic	10	11	10
Cadmium	< 0.4	2	-
Chromium	19	73	117
Copper	18	74	122
Lead	140	62	77
Mercury	0.1	<0.1	-
Nickel	< 5	6	-
Zinc	120	109	10
<b>TOTAL PETROLEUM HYDROCARBONS (TPH)</b>			
C6 - C10	< 20	<10	-
C10 - C16	< 50	<50	-
C16 - C34	< 100	<100	-
C34-C40	< 100	<100	-
<b>BTEX</b>			
Naphthalene	< 0.5	<1	-
Benzene	< 0.1	<0.2	-
Toluene	< 0.1	<0.5	-
Ethyl Benzene	< 0.1	<0.5	-
Total Xylenes	< 0.3	<0.5	-
<b>POLYCYCLIC AROMATIC HYDROCARBONS (PAH)</b>			
B(a)P as TEQ	0.6	0.6	-
Total PAH	< 0.5	0.5	-
Benzo(a)pyrene	< 0.5	<0.5	-
Naphthalene	< 0.5	<0.5	-
<b>ORGANOCHLORINE PESTICIDES (OCP)</b>			
DDD + DDE + DDT	< 0.05	<0.05	-
Aldrin + Dieldrin	< 0.05	<0.05	-
Chlordane	< 0.1	<0.05	-
Endosulfan	< 0.05	<0.05	-
Endrin	< 0.05	<0.05	-
Heptachlor	< 0.05	<0.05	-
HCB	< 0.05	<0.05	-
Methoxychlor	< 0.05	<0.2	-

**TABLE P4  
SPLIT SAMPLE**

ANALYTE	BH14 0-0.1m mg/kg Eurofins SYDNEY	SPLIT SS2 mg/kg ALS SYDNEY	RELATIVE PERCENTAGE DIFFERENCE (RPD) %
<b>HEAVY METALS</b>			
Arsenic	17	16	6
Cadmium	< 0.4	<1	-
Chromium	19	18	5
Copper	34	21	47
Lead	35	123	111
Mercury	1.1	<0.1	-
Nickel	< 5	3	-
Zinc	47	182	118
<b>TOTAL PETROLEUM HYDROCARBONS (TPH)</b>			
C6 - C10	< 20	<10	-
C10 - C16	< 50	<50	-
C16 - C34	180	<100	-
C34-C40	< 100	<100	-
<b>BTEX</b>			
Naphthalene	< 0.5	<1	-
Benzene	< 0.1	<0.2	-
Toluene	< 0.1	<0.5	-
Ethyl Benzene	< 0.1	<0.5	-
Total Xylenes	< 0.3	<0.5	-
<b>POLYCYCLIC AROMATIC HYDROCARBONS (PAH)</b>			
B(a)P as TEQ	0.6	0.6	0
Total PAH	< 0.5	1.4	-
Benzo(a)pyrene	< 0.5	<0.5	-
Naphthalene	< 0.5	<0.5	-
<b>ORGANOCHLORINE PESTICIDES (OCP)</b>			
DDD + DDE + DDT	< 0.05	<0.05	-
Aldrin + Dieldrin	< 0.05	<0.05	-
Chlordane	< 0.1	<0.05	-
Endosulfan	< 0.05	<0.05	-
Endrin	< 0.05	<0.05	-
Heptachlor	< 0.05	<0.05	-
HCB	< 0.05	<0.05	-
Methoxychlor	< 0.05	<0.2	-
<b>PHENOLS</b>			
Phenol	< 0.5	< 0.5	-
Pentachlorophenols	< 1	< 2	-
Cresols	< 0.5	< 0.5	-

**TABLE P5  
RINSATE SAMPLE**

<b>ANALYTE</b>	<b>Practical Quantitation Limits (PQL)</b>	<b>RINSATE R1 (µg/L) 07.09.2022</b>
<b>HEAVY METALS</b>		
Arsenic	0.001	< 0.001
Cadmium	0.002	< 0.0002
Chromium	0.001	< 0.001
Copper	0.001	< 0.001
Mercury	0.0001	< 0.001
Nickel	0.001	< 0.0001
Lead	0.001	< 0.001
Zinc	0.005	< 0.005
<b>TOTAL PETROLEUM HYDROCARBONS (TPH)</b>		
C6 - C10	20	<20
C10 - C16	50	<50
C16 - C34	100	<100
C34-C40	100	<100
<b>BTEX</b>		
Naphthalene	10	<10
Benzene	1	<1
Toluene	1	<1
Ethyl Benzene	1	<1
Total Xylenes	3	<3
<b>POLYCYCLIC AROMATIC HYDROCARBONS (PAH)</b>		
Total PAH	1	<1
Benzo(a)pyrene	1	<1
Naphthalene	1	<1
<b>ORGANOCHLORINE PESTICIDES (OCP)</b>		
DDD + DDE + DDT	0.2	<0.2
Aldrin + Dieldrin	0.2	<0.2
Chlordane	2	<2
Endosulfan	0.2	<0.2
Endrin	0.2	<0.2
Heptachlor	0.2	<0.2
HCB	0.2	<0.2
Methoxychlor	0.2	<0.2

**TABLE P6**  
**TRIP SPIKE SAMPLE**

ANALYTE	TRIP SPIKE
	% 07.09.2022
<b>TRH</b>	
C6-C10	110
<b>BTEX</b>	
Naphthalene	98
Benzene	110
Toluene	110
Ethyl Benzene	100
o-Xylene	110
m&p-Xylenes	100

**TABLE P7**  
**TRIP BLANKS SAMPLES**

ANALYTE	TRIP BLANK	Practical Quantitation Limits
	(mg/kg) 07.09.2022	(PQL)
<b>TRH</b>		
C6-C10	<20	20
<b>BTEX</b>		
Naphthalene	<0.5	0.5
Benzene	<0.1	0.1
Toluene	<0.1	0.1
Ethyl Benzene	<0.1	0.1
m&p-Xylenes	<0.2	0.2
o-Xylene	<0.1	0.1

# APPENDIX Q

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## DBYD PLANS

If further information is required, please contact:

Ausgrid BYDA

Phone: (02) 4951 0899

Fax: (02) 4951 0729

Emergency Phone Number 131388



## Underground Cable Location

### Search Advice

**-- Ausgrid Assets Not Recorded in the Vicinity --**  
**(Caution Still Required)**

To:	Sagar Koirala Aargus Pty Ltd 26 Hornsey Road Homebush West NSW 2140		
		Phone No:	+61466012495
		Issue Date:	7/09/2022

In response to your enquiry, Sequence No215686541 the records of Ausgrid **do not** disclose that there are Ausgrid underground cables in the defined search location.

This search is based on the geographical position of the dig site as denoted in the Before You Dig Australia caller confirmation sheet and an overview is provided:

Address:	126 Crescent Road Newport NSW 2106
Job #:	32676509



### **\*\*Important\*\***

All information provided to you is ONLY VALID FOR **30 DAYS** from the date of issue

**YOU MUST READ AND UNDERSTAND THE:**

**IMPORTANT INFORMATION**

**AND**

**CHECKLIST FOR WORK NEAR OR AROUND UNDERGROUND CABLES  
THAT ARE INCLUDED AS PART OF THIS ADVICE**



## IMPORTANT INFORMATION

### YOU MUST BE AWARE THAT:

1. There may be underground cables owned by other utilities, in the vicinity of your work, about which Ausgrid has no information.
2. Ausgrid does not usually keep plans of privately owned underground cables or its underground service cables on private property. (Refer NS 156 for further information.)

### YOU MUST MAKE YOUR OWN ENQUIRIES IN RESPECT OF THESE CABLES.

### YOU MUST UNDERSTAND THAT:

1. Ausgrid takes all reasonable care in providing details of its underground cables. However, owing to changes in road and footway alignments and levels, and the age and incompleteness of some records, it is not possible to conclusively specify the location of all of Ausgrid's underground cables. The accuracy and completeness of the information provided to you cannot be guaranteed. It is intended to be indicative only. It must not be **solely** relied upon when undertaking underground works.
2. Except to the extent that liability may not be capable of lawful exclusion, Ausgrid, its servants and agents will be under no liability whatsoever to any person for loss or damage (including indirect or consequential loss or damage) however caused (including without limitation, for breach of contract, negligence and breach of statute) which may be suffered or incurred from or in connection with the advice provided.
3. Due to the inherent dangers associated with **excavation, under boring and directional drilling** in the vicinity of underground cables, precautions must always be taken when undertaking any underground works. Ausgrid's Network Standard NS 156 specifies standards for working in the vicinity of underground cables. It is deemed to be part of this Advice, and it must be read by you.
4. Due to the inherent risk of compromising the stability of Ausgrid's power poles during excavation which could lead to pole movement or collapse, precautions must always be taken. If excavation is to be carried out within 1m from a power pole, Ausgrid must be contacted at [construction.works@ausgrid.com.au](mailto:construction.works@ausgrid.com.au) for advice. Do not proceed until you have received such advice from Ausgrid.

**YOU MUST READ [NETWORK STANDARD NS 156](#), *WORKING NEAR OR AROUND UNDERGROUND CABLES*. IT IS PART OF THIS ADVICE.**

## Caller Details

<b>Contact:</b>	Sagar Koirala	<b>Caller Id:</b>	3281913	<b>Phone:</b>	0466 012 495
<b>Company:</b>	Aargus Pty Ltd				
<b>Address:</b>	26 Hornsey Road Homebush West NSW 2140	<b>Email:</b>	Sagar.koirala2050@gmail.com		

## Dig Site and Enquiry Details

**WARNING:** The map below only displays the location of the proposed dig site and does not display any asset owners' pipe or cables. The area highlighted has been used only to identify the participating asset owners, who will send information to you directly.



<b>User Reference:</b>	ES6577	
<b>Working on Behalf of:</b>	Private	
<b>Enquiry Date:</b>	<b>Start Date:</b>	<b>End Date:</b>
07/09/2022	07/09/2022	07/09/2022

**Address:**  
126 Crescent Road  
Newport NSW 2106

**Job Purpose:**  
Excavation

**Location of Workplace:**  
Both

**Onsite Activities:**  
Manual Excavation  
**Location in Road:**  
Nature Strip, Road

- Check that the location of the dig site is correct. If not you must submit a new enquiry.
- Should the scope of works change, or plan validity dates expire, you must submit a new enquiry.
- Do NOT dig without plans. Safe excavation is your responsibility. If you do not understand the plans or how to proceed safely, please contact the relevant asset owners.

**Notes/Description of Works:**  
Not supplied

## Your Responsibilities and Duty of Care

- The lodgement of an enquiry does not authorise the project to commence. You must obtain all necessary information from any and all likely impacted asset owners prior to excavation.
- If plans are not received within 2 working days, contact the asset owners directly & quote their Sequence No.
- ALWAYS perform an onsite inspection for the presence of assets. Should you require an onsite location, contact the asset owners directly. Please remember, plans do not detail the exact location of assets.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- Ensure you adhere to any State legislative requirements regarding Duty of Care and safe digging requirements.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using this service, you agree to Privacy Policy and the terms and disclaimers set out at [www.1100.com.au](http://www.1100.com.au)
- For more information on safe excavation practices, visit [www.1100.com.au](http://www.1100.com.au)

## Asset Owner Details

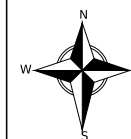
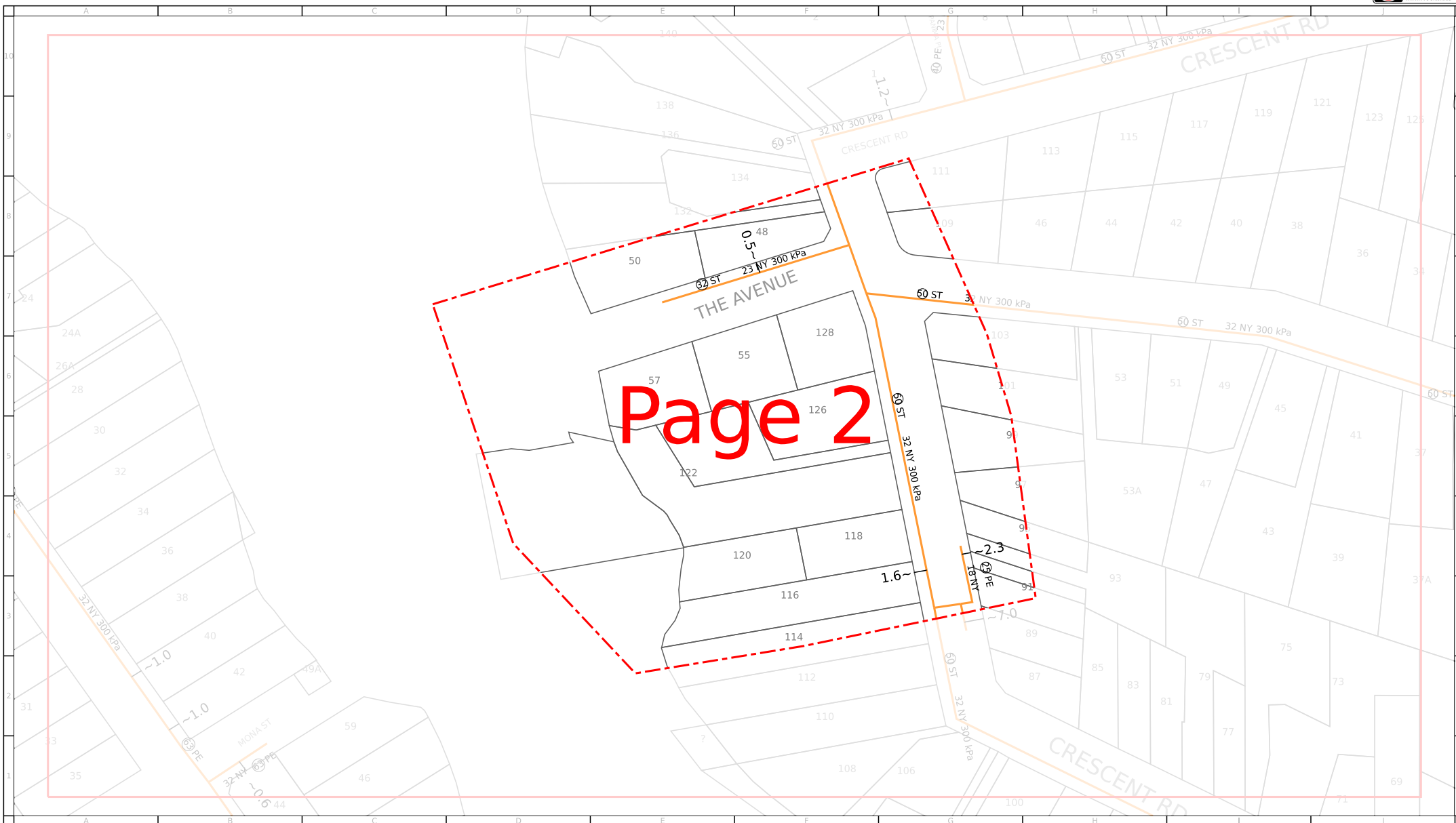
The assets owners listed below have been requested to contact you with information about their asset locations within 2 working days. Additional time should be allowed for information issued by post. It is **your responsibility** to identify the presence of any underground assets in and around your proposed dig site. Please be aware, that not all asset owners are registered with the Before You Dig service, so it is **your responsibility** to identify and contact any asset owners not listed here directly.

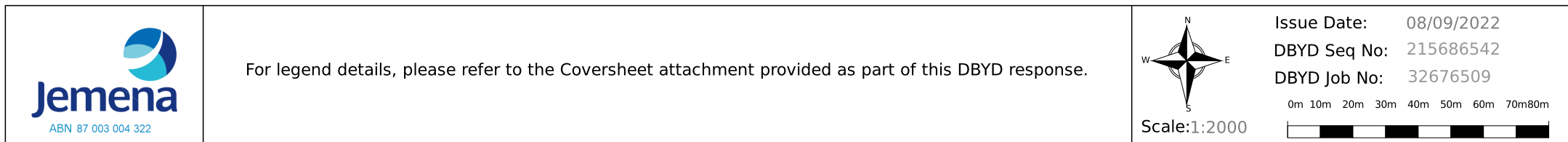
\*\* Asset owners highlighted by asterisks \*\* require that you visit their offices to collect plans.

# Asset owners highlighted with a hash # require that you call them to discuss your enquiry or to obtain plans.

Seq. No.	Authority Name	Phone	Status
215686541	Ausgrid	(02) 4951 0899	NOTIFIED
215686542	Jemena Gas North	1300 880 906	NOTIFIED
215686539	NBN Co NswAct	1800 687 626	NOTIFIED
215686538	Northern Beaches Council	0466 015 284	NOTIFIED
215686543	Sydney Water	13 20 92	NOTIFIED
215686540	Telstra NSW Central	1800 653 935	NOTIFIED

END OF UTILITIES LIST





**WARNING:** This is a representation of Jemena Gas Networks underground assets only and may not indicate all assets in the area. It must not be used for the purpose of exact asset location in order to undertake any type of excavation. This plan is diagrammatic only, and distances scaled from this plan may not be accurate. Please read all conditions and information on the attached information sheet. This extract is subject to those conditions. The information contained on this plan is only valid for 28 days from the date of issue.

## Assets Affected

This information is only valid for 28 days from the date of issue

In reply to your enquiry, there are **Gas Mains** in the vicinity of your intended work, as generally illustrated on the attached map. There may also be other mains or services at the location, as discussed in the warning below.

**For an explanation of the map, please see the information below and the legend attachment.**

**Please note that you have a duty of care to ensure that Jemena gas mains are not compromised or damaged during any future development or construction work.**

## Excavation Guidelines

It is essential the location of gas pipe/s are confirmed by carefully pot-holing by hand excavation prior to proceeding with mechanical excavation in the vicinity of gas pipes. If you cannot locate the gas main, contact the local depot.

In accordance with clause 34(5) of the Gas Supply (Safety and Network Management) Regulation 2013 (NSW), you should be informed that all excavation, (including pot-holing by hand to confirm the location of pipes) should be performed in accordance with “**Work Near Underground Assets Guideline**” published in 2007 by the Work Cover Authority.

A copy of this Guideline is available at: [www.safework.nsw.gov.au](http://www.safework.nsw.gov.au)

**DBYD Administration 1300 880 906**





















**Warning:** The enclosed plans show the position of Jemena Gas Networks (NSW) Ltd's underground gas mains and installations in public gazetted roads only. **Individual customers' services and services belonging to other third parties are not included** on these plans. These plans have been prepared solely for the use of Jemena Gas Networks (NSW) Ltd and Jemena Asset Management Pty Ltd (together “**Jemena**”) and any reliance placed on these plans by you is entirely at your own risk. The plans may show the position of underground mains and installations relative to fences, buildings etc., as they existed at the time the mains etc were installed. The plans may not have been updated to take account of any subsequent change in the location or style of those features since the time at which the plans were initially prepared. Jemena makes no warranty as to the accuracy or completeness of the enclosed plans and does not assume any duty of care to you nor any responsibility for the accuracy, adequacy, suitability or completeness of the plans or for any error, omission, lack of detail, transmission failure or corruption in the information provided. Jemena does not accept any responsibility for any loss that you or anyone else may suffer in connection with the provision of these plans, however that loss may arise (including whether or not arising from the negligence of Jemena, its employees, agents, officers or contractors).

The recipient of these plans must use their own care and diligence in carrying out their works and must carry out further surveys to locate services at their work site. Persons excavating or carrying out other earthworks will be held responsible for any damage caused to Jemena's underground mains and equipment. In accordance with the Work Near Underground Assets Guideline published in 2007 by Work Cover Authority, Jemena recommends that you carry out potholing by hand to accurately confirm the location of gas mains and installation prior to commencing excavations.








**In case of Emergency Phone 131 909 (24 hours)**

Admin 1300 880 906

## Network Mains

	Proposed New Main (coloured as per kPa)
	Proposed Isolate (coloured as per kPa)
	Unknown kPa
	2kPa Low Pressure gas main
	7kPa Low Pressure gas main
	30kPa Medium pressure gas main
	100kPa Medium Pressure gas main
	210kPa Medium Pressure gas main
	300kPa Medium Pressure gas main
	400kPa Medium Pressure gas main
	1050kPa High Pressure gas main
	3500kPa High Pressure gas main
	7000kPa High Pressure gas main
	>7000kPa Transmission pipeline
	Isolated Service - Former Med/High Pressure
	Isolated Steel Main - <b>Treat as High Pressure</b>
	Conduit or Casing
100 PVC	Size & Material (see conduit material codes)
	Critical Main - <b>Treat as High Pressure</b> (Main coloured as per kPa)
	Exposed Main section <b>EXPOSED</b>
	Shallow Main section: see Protection Code below, no code assume no protection <b>SHALLOW-SP</b>
SP	Steel Plate
PP	PE Plate
CS	Concrete Slab
CE	Concrete Encased
UNK	Unknown Type

## Network Assets

	Siphon
	Network Valve
	High Pressure Main Line Valve ( $\geq 1050\text{kPa}$ )
	High Pressure Automatic Line Break Valve ( $> 1050\text{kPa}$ )
	Boundary Regulator Set ( $\leq 1050\text{kPa}$ )
	Distribution Regulator Set ( $\leq 1050\text{kPa}$ )
	High Pressure Regulating Station ( $> 1050\text{kPa}$ )

## Annotations

### Pipe and Conduit Material Codes

NY	Nylon	NB	Nominal Bore – Cast Iron
PE	Polyethylene	ST	Steel
P/PL	Plastic (undefined)	C/CO	Copper
PVC	Polyvinyl Chloride		

### Pipe code combinations and dimension references

⑥NB 50MM NY	50mm Nylon main inserted into 6 inch (Nominal Bore) Cast Iron pipe
⑤0MM 32MM NY	32mm Nylon main inserted into 50mm Steel pipe
~1.5	Distance (in metres) of main from Boundary Line (MBL)
MBK	Distance in Metres Back of Kerb
MKL	Distance in Metres from Kerb Line
MEBL	Distance in Metres from Eastern Boundary Line (North/South/West)
MCL	Distance in Metres from Centre Line of Road
MFL	Distance in Metres from Fence Line





# Working near **nbn**<sup>TM</sup> cables

**nbn** has partnered with Dial Before You Dig to give you a single point of contact to get information about **nbn** underground services owned by **nbn** and other utility/service providers in your area including communications, electricity, gas and other services. Contact with underground power cables and gas services can result in serious injury to the worker, and damage and costly repairs. You must familiarise yourself with all of the Referral Conditions (meaning the referral conditions referred to in the DBYD Notice provided by **nbn**).

## Practice safe work habits

Once the DBYD plans are reviewed, the Five P's of Excavation should be adopted in conjunction with your safe work practices (which must be compliant with the relevant state Electrical Safety Act and Safe Work Australia "Excavation Work Code of Practice", as a minimum) to ensure the risk of any contact with underground **nbn** assets are minimised.



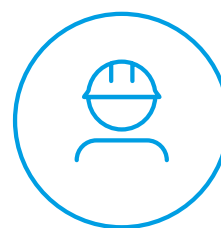
**Plan:** Plan your job by ensuring the plans received are current and apply to the work to be performed. Also check for any visual cues that may indicate the presence of services not covered in the DBYD plans.



**Prepare:** Prepare for your job by engaging a DBYD Certified Plant Locator to help interpret plans and identify on-site assets. Contact **nbn** should you require further assistance.



**Pothole:** Non-destructive potholing (i.e. hand digging or hydro excavation) should be used to positively locate **nbn** underground assets with minimal risk of contact and service damage.



**Protect:** Protecting and supporting the exposed **nbn** underground asset is the responsibility of the worker. Exclusion zones for **nbn** assets are clearly stated in the plan and appropriate controls must be implemented to ensure that encroachment into the exclusion zone by machinery or activities with the potential to damage the asset is prevented.



**Proceed:** Proceed only when the appropriate planning, preparation, potholing and protective measures are in place.

# Working near **nbn**<sup>™</sup> cables



Identify all electrical hazards, assess the risks and establish control measures.



When using excavators and other machinery, also check the location of overhead power lines.



Workers and equipment must maintain safety exclusion zones around power lines.

Once all work is completed, the excavation should be re-instated with the same type of excavated material unless specified by **nbn**. Please note:

- Construction Partners of **nbn** may require additional controls to be in place when performing excavation activities.
- The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

## Contact

All **nbn**<sup>™</sup> network facility damages must be reported online [here](#).  
For enquiries related to your DBYD request please call 1800 626 329.

### Disclaimer

This brochure is a guide only. It does not address all the matters you need to consider when working near our cables. You must familiarise yourself with other material provided (including the Referral Conditions) and make your own inquiries as appropriate.


**nbn** will not be liable or responsible for any loss, damage or costs incurred as a result of reliance on this brochure.

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**To:** Sagar Koirala  
**Phone:** Not Supplied  
**Fax:** Not Supplied  
**Email:** Sagar.koirala2050@gmail.com

<b>Dial before you dig Job #:</b>	32676509	 <b>DIAL BEFORE YOU DIG</b> <a href="http://www.1100.com.au">www.1100.com.au</a>
<b>Sequence #</b>	215686539	
<b>Issue Date:</b>	06/09/2022	
<b>Location:</b>	126 Crescent Road , Newport , NSW , 2106	

## Indicative Plans




## LEGEND



	Parcel and the location
	Pit with size "5"
	Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null.
	Manhole
	Pillar
	Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart.
	2 Direct buried cables between pits of sizes, "5" and "9" are 10.0m apart.
	Trench containing any <b>INSERVICE/CONSTRUCTED</b> (Copper/RF/Fibre) cables.
	Trench containing only <b>DESIGNED/PLANNED</b> (Copper/RF/Fibre/Power) cables.
	Trench containing any <b>INSERVICE/CONSTRUCTED</b> (Power) cables.
	Road and the street name "Broadway ST"
Scale	0 20 40 60 Meters 1:2000  1 cm equals 20 m



**To:** Sagar Koirala  
**Phone:** Not Supplied  
**Fax:** Not Supplied  
**Email:** Sagar.koirala2050@gmail.com

<b>Dial before you dig Job #:</b>	32676509	 <b>DIAL BEFORE YOU DIG</b> www.1100.com.au
<b>Sequence #</b>	215686539	
<b>Issue Date:</b>	06/09/2022	
<b>Location:</b>	126 Crescent Road , Newport , NSW , 2106	

## Information

The area of interest requested by you contains one or more assets.

<b>nbn™ Assets</b>	<b>Search Results</b>
<b>Communications</b>	Asset identified
<b>Electricity</b>	No assets

In this notice **nbn™ Facilities** means *underground fibre optic, telecommunications and/or power facilities, including but not limited to cables, owned and controlled by nbn™*

## Location of nbn™ Underground Assets

We thank you for your enquiry. In relation to your enquiry at the above address:

- **nbn's** records indicate that there **ARE nbn™** Facilities in the vicinity of the location identified above ("Location").
- **nbn** indicative plan/s are attached with this notice ("Indicative Plans").
- The Indicative Plan/s show general depth and alignment information only and are not an exact, scale or accurate depiction of the location, depth and alignment of **nbn™** Facilities shown on the Plan/s.
- In particular, the fact that the Indicative Plans show that a facility is installed in a straight line, or at uniform depth along its length cannot be relied upon as evidence that the facility is, in fact, installed in a straight line or at uniform depth.
- You should read the Indicative Plans in conjunction with this notice and in particular, the notes below.
- You should note that, at the present time, the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables. As such, consistent with the notes below, particular care must be taken by you to make your own enquiries and investigations to precisely locate any power cables and manage the risk arising from such cables accordingly.
- The information contained in the Indicative Plan/s is valid for 28 days from the date of issue set out above. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g DBYD Certified Locators, at your cost to locate **nbn™**

Facilities during any activities you carry out on site).

We thank you for your enquiry and appreciate your continued use of the Dial Before You Dig Service. For any enquiries related to moving assets or Planning and Design activities, please visit the **nbn** [Commercial Works](#) website to complete the online application form. If you are planning to excavate and require further information, please email [dbyd@nbnco.com.au](mailto:dbyd@nbnco.com.au) or call 1800 626 329.

#### Notes:

1. You are now aware that there are **nbn**<sup>TM</sup> Facilities in the vicinity of the above property that could be damaged as a result activities carried out (or proposed to be carried out) by you in the vicinity of the Location.
2. You should have regard to section 474.6 and 474.7 of the *Criminal Code Act 1995* (CoA) which deals with the consequences of interfering or tampering with a telecommunications facility. Only persons authorised by **nbn** can interact with **nbn's** network facilities.
3. Any information provided is valid only for **28 days** from the date of issue set out above.

## Referral Conditions

The following are conditions on which **nbn** provides you with the Indicative Plans. By accepting the plans, you are agreeing to these conditions. These conditions are in addition, and not in replacement of, any duties and obligations you have under applicable law.

1. **nbn** does not accept any responsibility for any inaccuracies of its plans including the Indicative Plans. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g DBYD Certified Locators, at your cost to locate **nbn**<sup>TM</sup> Facilities during any activities you carry out on site).
2. You acknowledge that **nbn** has specifically notified you above that the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables.
3. You should not assume that **nbn**<sup>TM</sup> Facilities follow straight lines or are installed at uniformed depths along their lengths, even if they are indicated on plans provided to you. Careful onsite investigations are essential to locate the exact position of cables.
4. In carrying out any works in the vicinity of **nbn**<sup>TM</sup> Facilities, you must maintain the following minimum clearances:
  - 300mm when laying assets inline, horizontally or vertically.
  - 500mm when operating vibrating equipment, for example: jackhammers or vibrating plates.
  - 1000mm when operating mechanical excavators.
  - Adherence to clearances as directed by other asset owner's instructions and take into account any uncertainty for power cables.
5. You are aware that there are inherent risks and dangers associated with carrying out work in the vicinity of underground facilities (such as **nbn**<sup>TM</sup> fibre optic, copper and coaxial cables, and power cable feed to **nbn**<sup>TM</sup> assets). Damage to underground electric cables may result in:
  - Injury from electric shock or severe burns, with the possibility of death.
  - Interruption of the electricity supply to wide areas of the city.
  - Damage to your excavating plant.
  - Responsibility for the cost of repairs.
6. You must take all reasonable precautions to avoid damaging **nbn**<sup>TM</sup> Facilities. These precautions may include but not limited to the following:
  - All excavation sites should be examined for underground cables by careful hand excavation. Cable cover slabs if present must not be disturbed. Hand excavation needs to be undertaken with extreme care to minimise the likelihood of damage to the cable, for example: the blades of hand equipment should be aligned parallel to the line of the cable rather than digging across the cable.
  - If any undisclosed underground cables are located, notify **nbn** immediately.

- All personnel must be properly briefed, particularly those associated with the use of earth-moving equipment, trenching, boring and pneumatic equipment.
  - The safety of the public and other workers must be ensured.
  - All excavations must be undertaken in accordance with all relevant legislation and regulations.
7. You will be responsible for all damage to **nbn**<sup>TM</sup> Facilities that are connected whether directly, or indirectly with work you carry out (or work that is carried out for you or on your behalf) at the Location. This will include, without limitation, all losses expenses incurred by **nbn** as a result of any such damage.
  8. You must immediately report any damage to the **nbn**<sup>TM</sup> network that you are/become aware of. Notification may be by telephone - 1800 626 329.
  9. Except to the extent that liability may not be capable of lawful exclusion, **nbn** and its servants and agents and the related bodies corporate of **nbn** and their servants and agents shall be under no liability whatsoever to any person for any loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract negligence and/or breach of statute) which may be suffered or incurred from or in connection with this information sheet or any plans(including Indicative Plans) attached hereto. Except as expressly provided to the contrary in this information sheet or the attached plans(including Indicative Plans), all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

All works undertaken shall be in accordance with all relevant legislations, acts and regulations applicable to the particular state or territory of the Location. The following table lists all relevant documents that shall be considered and adhered to.

State/Territory	Documents
<b>National</b>	Work Health and Safety Act 2011
	Work Health and Safety Regulations 2011
	Safe Work Australia - Working in the Vicinity of Overhead and Underground Electric Lines (Draft)
	Occupational Health and Safety Act 1991
<b>NSW</b>	Electricity Supply Act 1995
	Work Cover NSW - Work Near Underground Assets Guide
	Work Cover NSW - Excavation Work: Code of Practice
<b>VIC</b>	Electricity Safety Act 1998
	Electricity Safety (Network Asset) Regulations 1999
<b>QLD</b>	Electrical Safety Act 2002
	Code of Practice for Working Near Exposed Live Parts
<b>SA</b>	Electricity Act 1996
<b>TAS</b>	Tasmanian Electricity Supply Industry Act 1995
<b>WA</b>	Electricity Act 1945
	Electricity Regulations 1947
<b>NT</b>	Electricity Reform Act 2005
	Electricity Reform (Safety and Technical) Regulations 2005
<b>ACT</b>	Electricity Act 1971

Thank You,

**nbn DBYD**

Date: 06/09/2022




























This document is provided for information purposes only. This document is subject to the information classification set out on this page. If no information classification has been included, this document must be treated as UNCLASSIFIED, SENSITIVE and must not be disclosed other than with the consent of nbn co. The recipient (including third parties) must make and rely on their own inquiries as to the currency, accuracy and completeness of the information contained herein and must not use this document other than with the consent of nbn co.

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# Guide to reading Sydney Water DBYD Plans



This guide will help you understand our plans and what our services are.

Symbol	Meaning	Symbol	Meaning
	Sewer main with flow arrow and size type text.		Sewer vertical
	Disuses sewer main This means the sewer has been disused but remains in the ground.		Sewer pumping station
	Sewer maintenance hole with upstream depth invert.		Pressure sewer main These are also found in Vacuum sewer areas.
	Sewer Sub-surface chamber		Pressure sewer Pump unit Alarm, electrical cable and pump unit.
	Sewer Maintenance hole with overflow chamber		Pressure sewer property valve boundary assembly
	Sewer Ventshaft EDUCT		Pressure sewer stop valve
	Sewer Ventshaft IDUCT		Pressure sewer reducer / taper
	Sewer property connection point With chainage to downstream maintenance hole.		Pressure sewer flushing point
	Sewer concrete encased section		Vacuum sewer division valve
	Sewer Rehabilitation		Vacuum sewer vacuum chamber
	Sewer terminal maintenance shaft		Vacuum sewer clean out pot
	Sewer maintenance shaft		Stormwater pipe
	Sewer rodding point		Stormwater channel
	Sewer lamphole		





Symbol	Meaning	Symbol	Meaning
	Stormwater gully		Potable water stop valves with Tapers
	Stormwater maintenance hole		Potable water closed stop valve
	Watermain – potable drinking water With size type text.		Potable water air valve
	Disconnected watermain – potable drinking water This means the watermain has been disused but remains in the ground.		Potable water valve
	Recycled watermain		Potable water scour
	Special supply conditions – potable drinking water		Potable water reducer / taper
	Special supply conditions – recycled water		Potable water vertical bends
	Restrained joints – Potable drinking water		Potable water reservoir
	Sewer concrete encased section		Recycled water is shown as per potable above. Colour as indicated
	Restrained joints – Potable drinking water		Private potable water main
	Potable water hydrant		Private recycled water main
	Potable water maintenance hole		Private sewer main
	Potable water stop valve		
	Potable water stop valve with By-pass		



## Pipe types



PIPE TYPES		PIPE TYPES	
<b>ABS</b>	Acrylonitrile Butadiene Styrene	<b>AC</b>	Asbestos Cement
<b>BRICK</b>	Brick	<b>CI</b>	Cast Iron
<b>CICL</b>	Cast Iron Cement Lined	<b>CONC</b>	Concrete
<b>COPPER</b>	Copper	<b>DI</b>	Ductile Iron
<b>DICL</b>	Ductile Iron Cement (mortar) Lined	<b>DIPL</b>	Ductile Iron Polymeric Lined
<b>EW</b>	Earthenware	<b>FIBG</b>	Fibreglass
<b>FL BAR</b>	Forged Locking Bar	<b>GI</b>	Galvanised Iron
<b>GRP</b>	Glass Reinforced Plastics	<b>HDPE</b>	High Density Polyethylene
<b>MS</b>	Mild Steel	<b>MSCL</b>	Mild Steel Cement Lined
<b>IPE</b>	Polyethylene	<b>PC</b>	Polymer Concrete
<b>PP</b>	Polypropylene	<b>PVC</b>	Polyvinylchloride
<b>PVC - M</b>	Polyvinylchloride, Modified	<b>PVC - 0</b>	Polyvinylchloride, Oriented
<b>PVC - U</b>	Polyvinylchloride, Unplasticised	<b>RC</b>	Reinforced Concrete
<b>RC-PL</b>	Reinforced Concrete Plastics Lined	<b>S</b>	Steel
<b>SCL</b>	Steel Cement (mortar) Lined	<b>SCL IBL</b>	Steel Cement Lined Internal Bitumen
<b>SGW</b>	Salt Glazed Ware	<b>SPL</b>	Steel Polymeric Lined
<b>SS</b>	Stainless Steel	<b>STONE</b>	Stone
<b>VC</b>	Vitrified Clay	<b>WI</b>	Wrought Iron
<b>WS</b>	Woodstave		



## Further Information

Please consult the Dial Before You Dig enquiries page on our website.

For general enquiries please call the Customer Contact Centre on 132 092

**In an emergency, or to notify Sydney Water of damage or threats to its structures, call 13 20 90 (24 hours, 7 days)**

# Important information about Dial Before You Dig

The material provided or made available to you by Sydney Water (including on the Sydney Water website) in relation to your Dial Before You Dig enquiry (**Information**) is provided on each of the following conditions, which you are taken to have accepted by using the Information:

1 The Information has been generated by an automated system based on the area highlighted in the “Locality Indication Only” window on your Caller Confirmation. It is your responsibility to ensure that the dig site is properly defined when submitting your Dial Before You Dig enquiry and, if the Information does not match the dig site, to resubmit your enquiry for the correct dig site.

2 Neither Sydney Water nor Dial Before You Dig make any representation or give any guarantee, warranty or undertaking (express or implied) as to the currency, accuracy, completeness, effectiveness or reliability of the Information. The Information, including Sydney Water plans and work-as-executed diagrams, amongst other things:

(a) may not show all existing structures, including Sydney Water’s pipelines, particularly in relation to newer developments and in relation to structures owned by parties who do not participate in the Dial Before You Dig service

(b) may be out of date and not show changes to surface levels, road alignments, fences, buildings and the like

(c) is approximate only and is therefore not suitable for scaling purposes

(d) does not show locations of property services (often called house service lines) belonging to or servicing individual customers, which are usually connected to Sydney Water’s structures.

3 You are responsible for, amongst other things:

(a) exposing underground structures, including Sydney Water’s pipelines, by pot-holing using hand-held tools or vacuum techniques so as to determine the precise location and extent of structures before any mechanical means of excavation are used

(b) the safe and proper excavation of and for underground works and structures, including having regard to the fact that asbestos cement pipelines, which can pose a risk to health, may form part of Sydney Water’s water and sewerage reticulation systems

(c) protecting underground structures, including Sydney Water’s pipelines, from damage and interference

(d) maintaining minimum clearances between Sydney Water’s structures and structures belonging to others

(e) ensuring that backfilling of excavation work in the vicinity of Sydney Water’s structures complies with Sydney Water’s standards contained on its website or otherwise communicated to you

(f) notifying Sydney Water immediately of any damage caused or threat of damage to Sydney Water's structures

(g) ensuring that plans are approved by Sydney Water (usually signified by stamping) prior to landscaping or building over or in the vicinity of any Sydney Water structure

(h) ensuring that the Information is used only for the purposes for which Sydney Water and Dial Before You Dig intended.

Important Information – Sydney Water DBYD Plans August 2012 Page 2 of 3

4 You acknowledge that you use the Information at your own risk. In consideration for the provision of the Dial Before You Dig service and the Information by Sydney Water and Dial Before You Dig, to the fullest extent permitted by law

(a) all conditions and guarantees concerning the Information (whether as to quality, outcome, fitness, care, skill or otherwise) expressed or implied by statute, common law, equity, trade, custom or usage or otherwise are expressly excluded and to the extent that those statutory guarantees cannot be excluded, the liability of Sydney Water and Dial Before You Dig to you is limited to either of the following as nominated by Sydney Water in its discretion, which you agree is your only remedy:

(i) the supplying of the Information again; or

(ii) payment of the cost of having the Information supplied again;

(b) in no event will Sydney Water or Dial Before You Dig be liable for, and you release Sydney Water and Dial Before You Dig from, any Loss arising from or in connection with the Information, including the use of or inability to use the Information and delay in the provision of the Information:

(i) whether arising under statute or in contract, tort or any other legal doctrine, including any negligent act, omission or default (including wilful default) by Sydney Water or Dial Before You Dig; and

(ii) regardless of whether Sydney Water or Dial Before You Dig are or ought to have been aware of, or advised of, the possibility of such loss, costs or damages;

(c) you will indemnify Sydney Water and Dial Before You Dig against any Loss arising from or in connection with Sydney Water providing incorrect or incomplete information to you in connection with the Dial Before You Dig service; and

(d) you assume all risks associated with the use of the Dial Before You Dig and Sydney Water websites, including risk to your computer, software or data being damaged by any virus, and you release and discharge Sydney Water and Dial Before You Dig from all Loss which might arise in respect of your use of the websites.

5 **"Sydney Water"** means Sydney Water Corporation and its employees, agents, representatives and contractors. **"Dial Before You Dig"** means Dial Before You Dig Incorporated and its employees, agents, representatives and contractors. References to **"you"** include references to your employees, agents, representatives, contractors and anyone else using the Information. References to **"Loss"** include any loss, cost, expense, claim, liability or damage (including arising in connection with personal injury, death or any damage to or loss of property and economic or consequential loss, lost profits, loss of revenue, loss of management time, opportunity costs or special damages). To the extent of any inconsistency, the conditions in this document will prevail over any other information provided to you by Sydney Water and Dial Before You Dig.

**In an emergency, or to notify Sydney Water of damage or threats to its structures, call 13 20 90 (24 hours, 7 days)**

Important Information – Sydney Water DBYD Plans August 2012 Page 3 of 3

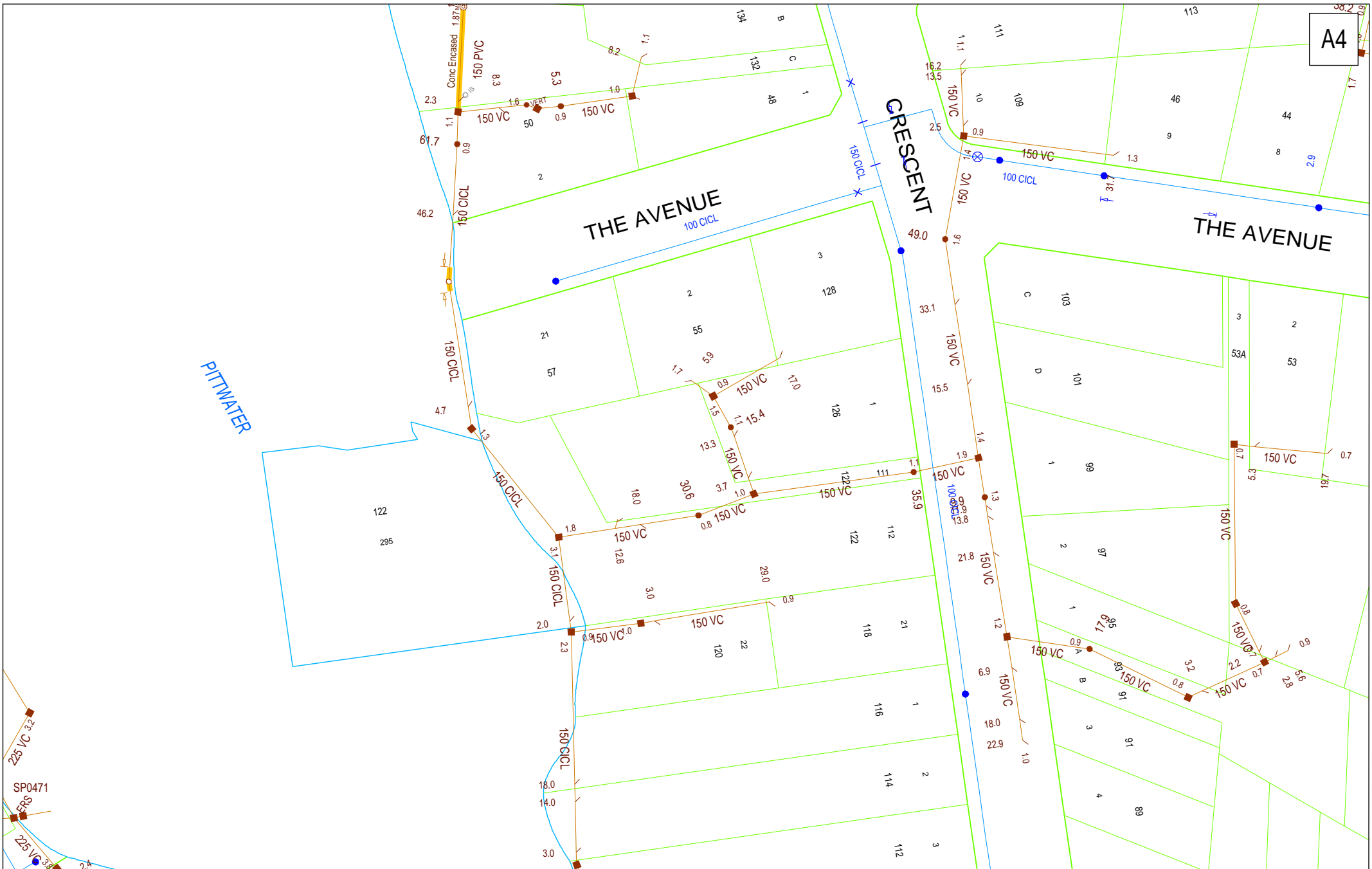
Further information and guidance is available in the Building Development and Plumbing section of Sydney Water's website at [www.sydneywater.com.au](http://www.sydneywater.com.au), where you will find the following documents under 'Dial Before You Dig':

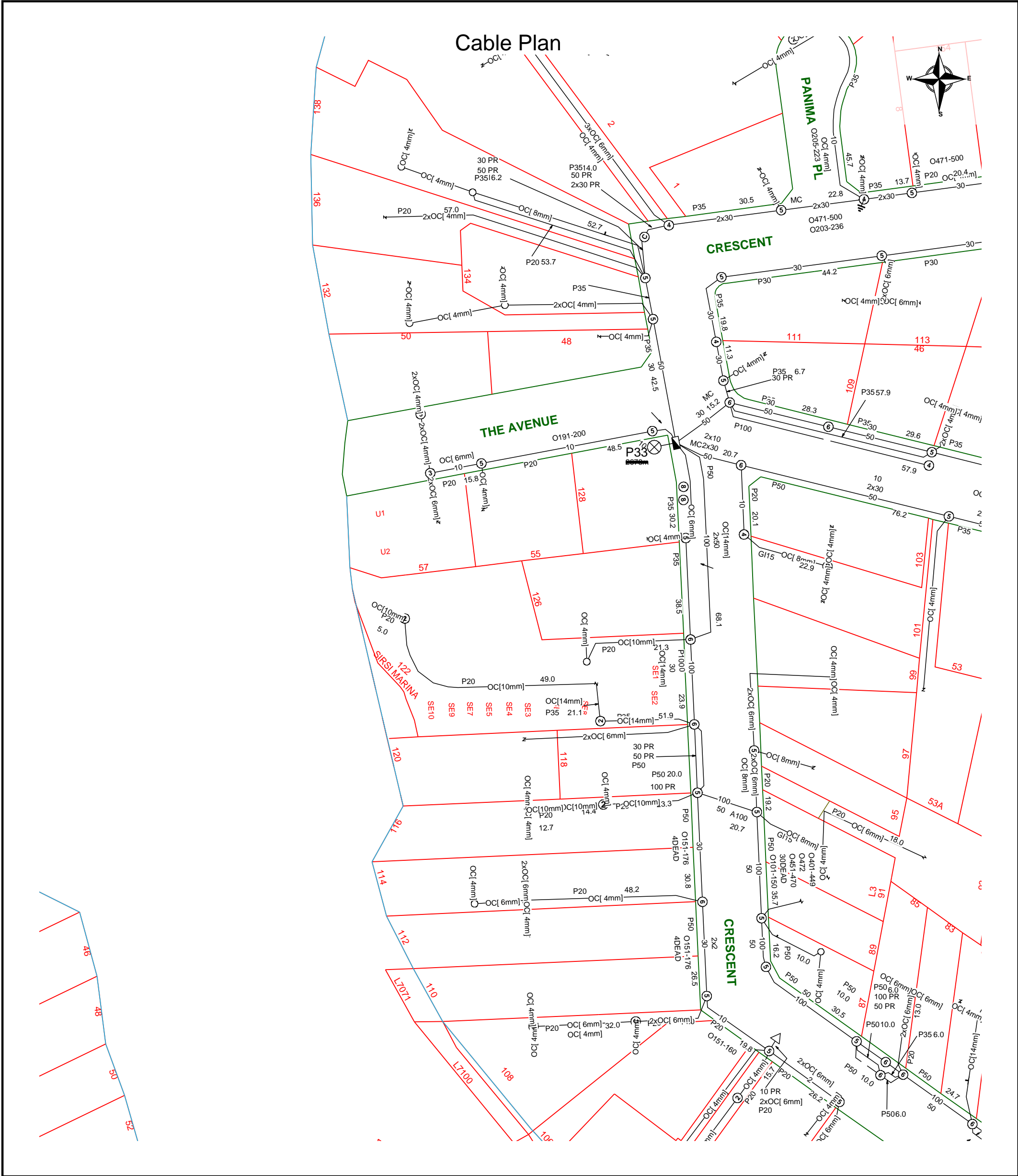
- Avoid Damaging Water and Sewer Pipelines
- Water Main Symbols
- Depths of Mains
- Guidelines for Building Over/Adjacent to Sydney Water Assets
- Clearances Between Underground Services


Or call **13 20 92** for Customer Enquires.

Note: The lodging of enquiries via **[www.1100.com.au](http://www.1100.com.au)** will enable you to receive colour plans in PDF format 24 hours a day, 7 days a week via email.

**This communication is confidential. If you are not the intended recipient, please destroy all copies immediately. Sydney Water Corporation prohibits unauthorised copying or distribution of this communication.**





	<p>Report Damage: <a href="https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment">https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment</a> Ph - 13 22 03 Email - Telstra.Plans@team.telstra.com Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries</p>	<p>Sequence Number: 215686540</p>
<p>TELSTRA CORPORATION LIMITED A.C.N. 051 775 556</p> <p>Generated On 07/09/2022 07:37:52</p>		<p>Please read Duty of Care prior to any excavating</p>

The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

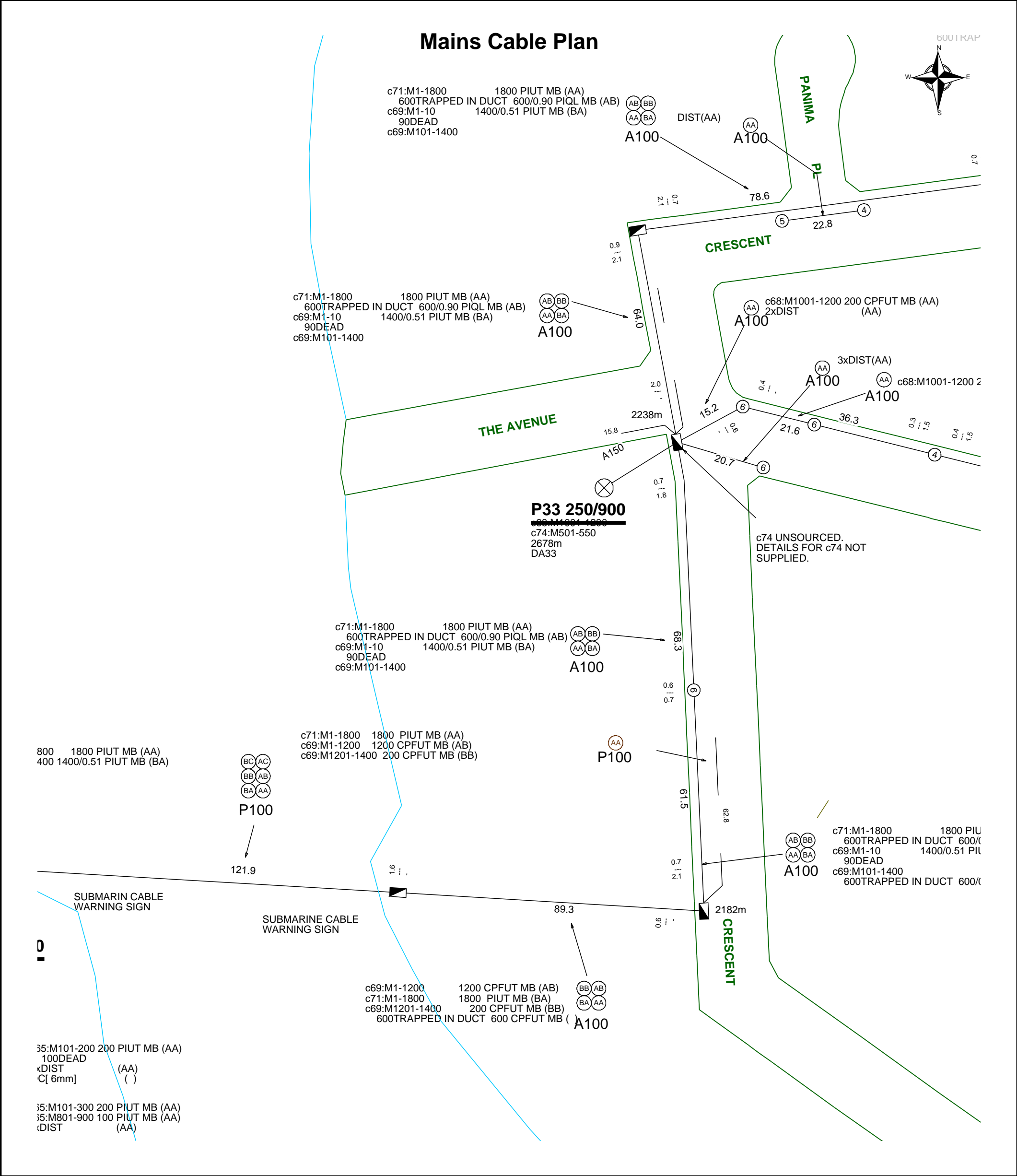
**WARNING**


Telstra plans and location information conform to Quality Level "D" of the Australian Standard AS 5488-Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy. Further on site investigation is required to validate the exact location of Telstra plant prior to commencing construction work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works.

See the Steps- Telstra Duty of Care that was provided in the email response.

Page 1 of 2





	Report Damage: <a href="https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment">https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment</a> Ph - 13 22 03 Email - Telstra.Plans@team.telstra.com Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries	Sequence Number: 215686540
	TELSTRA CORPORATION LIMITED A.C.N. 051 775 556	Please read Duty of Care prior to any excavating
	Generated On 07/09/2022 07:37:54	

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See the Steps- Telstra Duty of Care that was provided in the email response.





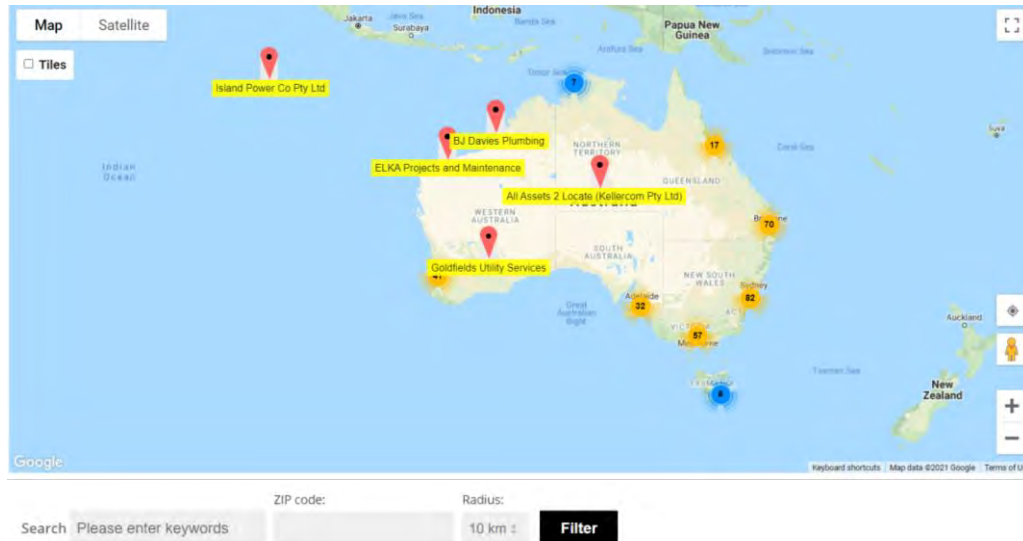
## Certified Locating Organisations (CLO)


Find the closest CLO to your worksite on: <https://dbydlocator.com/certified-locating-organisation/>

Read the disclaimer and click:


Accept and Search Now

A national map and an A-Z list of Certified Locating Organisations is displayed.



Use the map to zoom to your work area and choose the closest  Locator indicated.

OR search by entering the **postcode** of your work area.

1. Enter the post/zip code
2. Choose your search radius
3. Click filter (If there is no result, you may have to increase the search radius)
4. Click on the closest  for CLO details or view the results displayed below the map



Locator skills have been tested, and the Organisation has calibrated location and safety equipment.

Telstra is aware of each Certified Locating Organisation and their employee locators.

**Only a DBYD Certified Locator registered with a Certified Locating Organisation is authorised to access Telstra network for locating purposes.**

Each Certified Locator working for a CLO is issued with a photo ID Card, authorising them to access Telstra pits and manholes for the purpose of cable and plant locations.

Please ask to see your Locators' CLO ID Card.



# Dial Before You Dig

## Think before you dig

This document has been sent to you because you requested plans of the Telstra network through Dial Before You Dig.

If you are working or excavating near telecommunications cables, or there is a chance cables are located near your site, you are responsible to avoid causing damage to the Telstra network.

Please read this document carefully. Taking your time now and following the steps below can help you avoid damaging our network, interrupting services, and potentially incurring civil and criminal penalties.

Our network is complex and working near it requires expert knowledge. Do not attempt these activities if you are not qualified to do so.



## 1. Plan

Plan your work with the latest plans of our network.

Plans provided through the DBYD process are indicative only\*.

This means the actual location of our asset may differ substantially from that shown on the plans.

Refer to steps 2 and 3 to determine actual location prior to proceeding with construction.



## 2. Prepare

Engage a DBYD Certified Locating Organisation (CLO) via [dbydlocator.com](https://dbydlocator.com) to identify, validate and protect Telstra assets before you commence work.



## 3. Pothole

Validate underground assets by potholing by hand or using non-destructive vacuum extraction methods.

Electronic detection alone (step 2) is not deemed to validate underground assets and must not be used for construction purposes.

If you cannot validate the Telstra network, you must not proceed with construction.



## 4. Protect

Protect our network by maintaining the following distances from our assets:

- › 1.0m Mechanical Excavators, Farm ploughing, Tree Removal
- › 500mm Vibrating Plate or Wacker Packer Compactor
- › 600mm Heavy Vehicle Traffic (over 3 tonnes) not to be driven across Telstra ducts or plant
- › 1.0m Jackhammers/Pneumatic Breakers
- › 2.0m Boring Equipment (in-line, horizontal and vertical)



## 5. Proceed

You can proceed with your work only once you have completed all the appropriate preparation, potholing and protection.

## Report any damage immediately



<https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-equipment>



13 22 03

If you receive a message asking for an account or phone number say "I Don't have one"  
Then say "Report Damage" then press 1 to speak to an operator.

## Relocating assets

If your project requires the relocation of a Telstra asset, please contact the Telstra Network Integrity Group:



1800 810 443 (AEST business hours only)



[NetworkIntegrity@team.telstra.com](mailto:NetworkIntegrity@team.telstra.com)

Never try to move or alter our network infrastructure without authorisation. By law, only authorised people can work on our assets or enter a facility owned or operated by us. Any interference, including unauthorised entry or tampering, may result in legal action.

## Further information

### Plan enquiries



1800 653 935 (AEST business hours only)



[Telstra.Plans@team.telstra.com](mailto:Telstra.Plans@team.telstra.com)

Information on how to find cables and request asset relocations:

<https://www.telstra.com.au/consumer-advice/digging-construction>

### Asset Plan Readers

PDF [Adobe Acrobat Reader DC Install for all versions](#)

DWF [Download Design Review](#) | [DWF Viewer](#) | [Autodesk](#)

# Disclaimer and legal details



\*Telstra advises that the accuracy of the information provided by Telstra conforms to Quality Level D as defined in AS5488-2013.

It is a criminal offence under the Criminal Code Act 1995 (Cth) to tamper or interfere with telecommunications infrastructure.

Telstra will also take action to recover costs and damages from persons who damage assets or interfere with the operation of **Telstra's** networks.

By receiving this information including the indicative plans that are provided as part of this information package you confirm that you understand and accept the risks of working near **Telstra's** network and the importance of taking all of the necessary steps to confirm the presence, alignments and various depths of **Telstra's** network. This in addition to, and not in replacement of, any duties and obligations you have under applicable law.

When working in the vicinity of a telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

The Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. The 5 **P's** to prevent damage to Telstra assets are listed above. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project, it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

This Notice has been provided as a guide only and may not provide you with all the information that is required for you to determine what assets are on or near your site of interest. You will also need to collate and understand all of the information received from other Utilities and understand that some Utilities are not a part of the DBYD program and make your own enquiries as appropriate. It is the responsibility of the entities undertaking the works to protect **Telstra's** network during excavation / construction works.

Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose.

Telstra plans or other details are provided only for the use of the applicant, its servants, agents, or Certified Locating Organisation. The applicant must not give the plans or details to any parties other than these and must not generate profit from commercialising the plans or details.

Telstra, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Telstra against any claim or demand for any such loss or damage.

Please ensure Telstra plans and information provided always remains on-site throughout the inspection, location, and construction phase of any works.

Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.

## Data Extraction Fees

In some instances, a data extraction fee may be applicable for the supply of Telstra information. Typically, a data extraction fee may apply to large projects, planning and design requests or requests to be supplied in non-standard formats. For further details contact Telstra Planned Services.

Telstra does not accept any liability or responsibility for the performance of or advice given by a Certified Locating Organisation. Certification is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.

Neither the Certified Locating Organisation nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Certified Locating Organisation or its employees.

Once all work is completed, the excavation should be reinstated with the same type of excavated material unless specified by Telstra

The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

When using excavators and other machinery, also check the location of overhead power lines.

Workers and equipment must maintain safety exclusion zones around power lines

**WARNING:** Telstra plans and location information conform to Quality Level 'D' of the Australian Standard AS 5488 - Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. **FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK.** A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. The exact position of Telstra assets can only be validated by physically exposing them. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

## Privacy Note

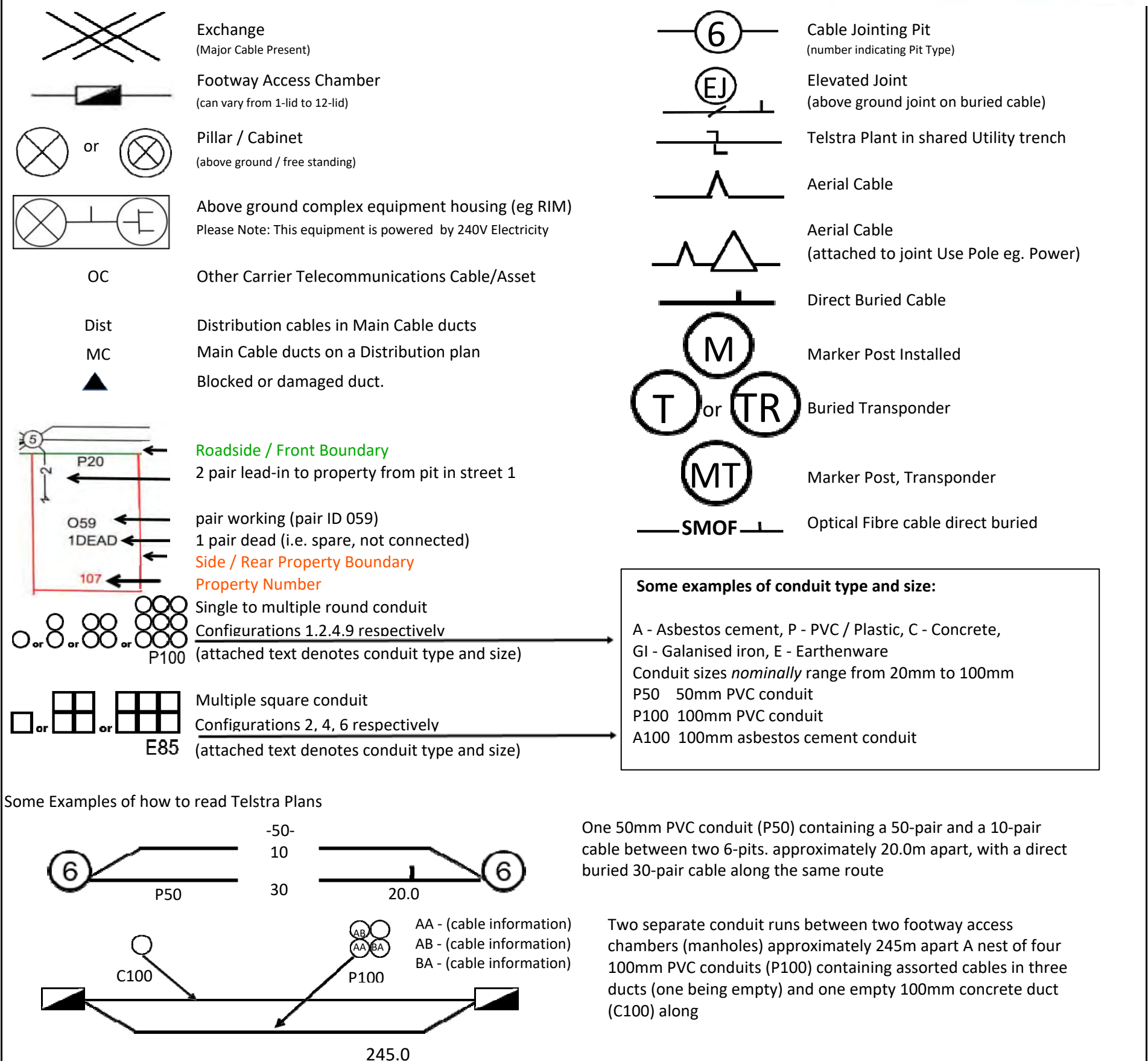
Your information has been provided to Telstra by DBYD to enable Telstra to respond to your DBYD request. Telstra keeps your information in accordance with its privacy statement. You can obtain a copy at [www.telstra.com.au/privacy](http://www.telstra.com.au/privacy) or by calling us at 1800 039 059 (business hours only).



# LEGEND



For more info contact a Certified Locating Organisation or Telstra Plan Services 1800 653 935



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# **APPENDIX R**

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## **IMPORTANT INFORMATION ABOUT YOUR REPORT**





## **IMPORTANT INFORMATION ABOUT YOUR ENVIRONMENTAL SITE ASSESSMENT**

These notes have been prepared by Aargus (Australia) Pty Ltd and its associated companies using guidelines prepared by ASFE (The Association) of Engineering Firms Practising in the Geo-sciences. They are offered to help you in the interpretation of your Environmental Site Assessment (ESA) reports.

### **REASONS FOR CONDUCTING AN ESA**

ESA's are typically, though not exclusively, carried out in the following circumstances:

- as pre-acquisition assessments, on behalf of either purchaser or vender, when a property is to be sold;
- as pre-development assessments, when a property or area of land is to be redeveloped or have its use changed for example, from a factory to a residential subdivision;
- as pre-development assessments of greenfield sites, to establish "baseline" conditions and assess environmental, geological and hydrological constraints to the development of, for example, a landfill; and
- as audits of the environmental effects of an ongoing operation.

Each of these circumstances requires a specific approach to the assessment of soil and groundwater contamination. In all cases however, the objective is to identify and if possible quantify the risks that unrecognised contamination poses to the proposed activity. Such risks may be both financial, for example, cleanup costs or limitations on site use, and physical, for example, health risks to site users or the public.

### **THE LIMITATIONS OF AN ESA**

Although the information provided by an ESA could reduce exposure to such risks, no ESA, however, diligently carried out can eliminate them. Even a rigorous professional assessment may fail to 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.

### **AN ESA REPORT IS BASED ON A UNIQUE SET OF PROJECT SPECIFIC FACTORS**

Your environmental report should not be used:

- when the nature of the proposed development is changed, for example, if a residential development is proposed instead of a commercial one;
- when the size or configuration of the proposed development is altered;
- when the location or orientation of the proposed structure is modified;
- when there is a change of ownership
- or for application to an adjacent site.

To help avoid costly problems, refer to your consultant to determine how any factors, which have changed subsequent to the date of the report, may affect its recommendations.

### **ESA "FINDINGS" ARE PROFESSIONAL ESTIMATES**

Site assessment identifies actual subsurface conditions only at those points where samples are taken, when they are taken. Data derived through sampling and subsequent laboratory testing are interpreted by geologists, engineers or scientists who then render an opinion about overall subsurface conditions, the nature and extent of contamination, its likely impact on the proposed development and appropriate remediation measures. Actual conditions may differ from those inferred to exist, 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 a report indicates. Actual conditions in areas not sampled may differ from predictions. Nothing can be done to help minimise its impact. For this reason owners should retain the services of their consultants



through the development stage, to identify variances, conduct additional tests which may be needed, and to recommend solutions to problems encountered on site.

### **SUBSURFACE CONDITIONS CAN CHANGE**

Natural processes and the activity of man change subsurface conditions. As an ESA report is based on conditions, which existed at the time of subsurface exploration, decisions should not be based on an ESA report whose adequacy may have been affected by time. Speak with the consultant to learn if additional tests are advisable.

### **ESA SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND PERSONS**

Every study and ESA report is prepared in response to a specific brief to meet the specific needs of specific individuals. A report prepared for a consulting civil engineer may not be adequate for a construction contractor, or even some other consulting civil engineer. Other persons should not use a report for any purpose, or by the client for a different purpose. No individual other than the client should apply a report even apparently for its intended purpose without first conferring with the consultant. No person should apply a report for any purpose other than that originally contemplated without first conferring with the consultant.

### **AN ESA REPORT IS SUBJECT TO MISINTERPRETATION**

Costly problems can occur when design professionals develop their plans based on misinterpretations of an ESA. To help avoid these problems, the environmental consultant should be retained to work with appropriate design professionals to explain relevant findings and to review the adequacy of their plans and specifications relative to contamination issues.

### **LOGS SHOULD NOT BE SEPARATED FROM THE ENGINEERING REPORT**

Final borehole or test pit logs are developed by environmental scientists, engineers or geologists based upon their interpretation of field logs (assembled by site personnel) and laboratory evaluation of field samples. Only final logs customarily included in our reports. These logs should not under any circumstances be redrawn for inclusion in site remediation or other design drawings, because drafters may commit errors or omissions in the transfer process. Although photographic reproduction eliminates this problem, it does nothing to minimise the possibility of contractors misinterpreting the logs during bid preparation. When this occurs, delays, disputes and unanticipated costs are the all-too-frequent result.

To reduce the likelihood of boring log misinterpretation, the complete report must be available to persons or organisations involved in the project, such as contractors, for their use. Those who do not provide such access may proceed under the mistaken impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing all the available information to persons and organisations such as contractors helps prevent costly construction problems and the adversarial attitudes that may aggravate them to disproportionate scale.

### **READ RESPONSIBILITY CLAUSES CLOSELY**

Because an ESA 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 transmittals. These are not exculpatory clauses designed to foist liabilities onto some other party. Rather, they are definitive clauses that identify where your consultant's responsibilities begin and end. Their use helps all parties involved recognise their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your ESA report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.