



# **Douglas Partners**

*Geotechnics | Environment | Groundwater*

Report on  
Preliminary Site Investigation (Contamination)

Proposed Subdivision  
Goulburn Street, Marulan

Prepared for  
Darraby Pty Ltd

Project 88505.07  
May 2022

**Integrated Practical Solutions**



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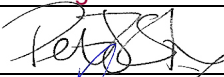

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## Executive Summary

Douglas Partners Pty Ltd (DP) has been engaged by Darraby Pty Ltd (Darraby) to complete this preliminary site investigation with limited sampling (contamination) (PSI) undertaken for a proposed subdivision for the site at Goulburn Street, Marulan (the site).

The objective of the PSI is to identify potential sources of contamination (if any) and determine the potential contaminants of concern, identify areas of potential contamination, identify human and ecological receptors associated with the proposed development and identify potentially affected media (soil, groundwater, ground gas etc)

The following scope of works was conducted in order to meet the project objectives:

- Review of readily available site history;
- Conduct a site walkover and observe situations that indicate a potential for contamination and identify environmental receptors;
- Excavation of 35 test pits across the footprint of the development.
- Soil sampling from multiple depths during the field work.
- Laboratory testing on 35 soil samples for the following:
  - Total recoverable hydrocarbons (TRH);
  - Benzene, toluene, ethylbenzene and total xylenes (BTEX);
  - Polycyclic aromatic hydrocarbons (PAHs);
  - Polychlorinated biphenyls (PCBs);
  - Organochlorine pesticides/organophosphate pesticides (OCP/OPP); and
  - Metals (As, Cd, Cr, Cu, Hg, Ni, Pb and Zn); and
  - Asbestos.
- Three samples were also tested for pH, Cation Exchange Capacity (CEC) and Clay Content in order to produce site specific investigation levels;
- Five additional duplicate samples were tested for quality control purposes; and
- Preparation of this report presenting the results of the assessment (i.e.: nature, extent and degree of contamination within the site). This report will also contain recommendations as to the necessity for further investigations to be carried out on the site and the suitability of the site to be used for its intended and permitted purposes.

Based on the current investigation, the following potential sources of contamination and associated contaminants of potential concern (COPC) have been identified.

- S1: Fill: Associated with potential past agricultural practices which may include but are not limited to infill in gully lines, dumping rubbish and waste (including hydrocarbon waste), animal burial pits.
  - COPC include metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene (BTEX), polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), organochlorine and organophosphate pesticides (OCP and OPP) and asbestos.
- S2: Past agricultural pesticide practices.

- o COPC include metals, OPP and OCP.
- S3: Railway Land to the north of the site
  - o COPC include TRH, BTEX, PAH, PCB, metals and asbestos

Analytical results of soil samples were all within the adopted health-based (i.e. HIL-A / HSL-A/B) and management limits for residential land use. The analytical results were all within the adopted ecological based limits for residential land use, with the exception of TRH >C<sub>10</sub>-C<sub>16</sub> in sample Pit 34 0.1m of 130 mg/kg which slightly exceeded the ESL of 120 mg/kg. DP considers that this result is not of concern due to the fact that the sample was collected from the current access track to the site. It is understood that this area of the site will be developed as a road corridor to access the subdivision site, therefore, the risk to ecological receptors is considered to be low and not warrant further investigation.

DP considers that the site is suitable for the proposed residential subdivision and for permitted uses under the current site zoning, from a site contamination perspective, subject to the following measures during any future development works:

- A Construction Environment Management Plan should be prepared prior to construction including an 'unexpected finds protocol' (i.e. asbestos in fill, buried waste or hydrocarbon affected soils including staining and odours and evidence of heavy pesticide use) and implemented during potential future site works.

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# Report on Preliminary Site Investigation (Contamination)

## Proposed Subdivision

### Goulburn Street, Marulan

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## 1. Introduction

Douglas Partners Pty Ltd (DP) has been engaged by Darraby Pty Ltd (Darraby) to complete this preliminary site investigation with limited sampling (contamination) (PSI) undertaken for a proposed subdivision for the site at Goulburn Street, Marulan (the site). The site is shown on Drawing 1, Appendix A. The investigation was undertaken in accordance with DP's proposal 88505.07.P.001.Rev0 dated 8 March 2022.

DP understands that the site is to be subdivided for residential purposes and that as part of the process, a PSI is required to assess the potential for contamination at the site.

The objective of the PSI is to identify potential sources of contamination (if any) and determine the potential contaminants of concern, identify areas of potential contamination, identify human and ecological receptors associated with the proposed development and identify potentially affected media (soil, groundwater, ground gas etc).

This report must be read in conjunction with all appendices including the notes provided in Appendix B.

The following key guidelines were consulted in the preparation of this report:

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013); and
- NSW EPA *Guidelines for Consultants Reporting on Contaminated Land* (NSW EPA, 2020).

## 2. Proposed Development

The proposed development will comprise the subdivision of the site for residential purposes. The development will include construction of roads and associated services prior to the construction of residential dwellings. The proposed subdivision layout is presented in Drawing 1, Appendix A

## 3. Scope of Works

The following scope of works was conducted in order to meet the project objectives:

- Review of readily available site history, comprising historic and current titles and deposited plans; historic and recent aerial photographs; public databases held under the Contaminated Land Management Act 1997 and the Protection of the Environment Operations Act 1997; readily accessible Council Records; and the Section 10.7 (2&5) planning certificate;

- Review of site information, including published information on geological, topographical hydrogeological, soil salinity and acid sulfate soil (ASS) conditions;
- Conduct a site walkover and observe situations that indicate a potential for contamination and identify environmental receptors;
- Once identified, additional analysis was undertaken for each PAEC site. Additional analysis included GPS logging of the location, photographing the site and recording observations during a site walkover by an experienced environmental scientist.

### **Environmental Sampling**

- Excavation of 35 test pits across the footprint of the development. The field work was undertaken in conjunction with the geotechnical investigation. The test pits were excavated to target depths as per the geotechnical investigation.

The footprint of the development is approximately 14.6 hectares. NSW EPA's *Sampling Design Guidelines*, recommend that for sites of the size a minimum of 140 sampling locations are required as the minimum number of sampling points for site characterisation as part of a detailed site investigation. However, given the preliminary nature of the investigation, a limited sampling density is considered to be acceptable to meet the project objectives.

- Soil sampling from multiple depths during the field work.
  - Laboratory testing on 35 soil samples for the following:
    - Total recoverable hydrocarbons (TRH);
    - Benzene, toluene, ethylbenzene and total xylenes (BTEX);
    - Polycyclic aromatic hydrocarbons (PAHs);
    - Polychlorinated biphenyls (PCBs);
    - Organochlorine pesticides/organophosphate pesticides (OCP/OPP); and
    - Metals (As, Cd, Cr, Cu, Hg, Ni, Pb and Zn); and
    - Asbestos.
- Three samples were also tested for pH, Cation Exchange Capacity (CEC) and Clay Content in order to produce site specific investigation levels;
- Five additional duplicate samples were tested for quality control purposes; and
- Preparation of this report presenting the results of the assessment (i.e.: nature, extent and degree of contamination within the site). This report will also contain recommendations as to the necessity for further investigations to be carried out on the site and the suitability of the site to be used for its intended and permitted purposes.

## **4. Site Information**

Site Address	Goulburn Street, Marulan
Legal Description	Lot 23 DP 1256090
Area	15.76ha



Zoning	R1 General Residential
Local Council Area	Goulburn Mulwaree Council
Current Use	Agricultural - grazing
Surrounding Uses	North – Agricultural residential East – Residential South – Agricultural West – Agricultural

#### 4.1 Site Description

The site is a roughly parallelogram shaped parcel of land, located at the western end of Goulburn Street. The maximum dimensions of the site are approximately 485 m east to west and approximately 430 m north to south. The site is located at an elevation of approximately 645 m Australian Height Datum (AHD).

The site comprises grass paddocks with a farm dam located close to the western boundary and a drainage channel is located just beyond the western boundary. Sporadic stands of trees are located across the site. The site is gently undulating and slopes down gently towards the south. The Main Southern Railway Line is present immediately to the north of the site. The railway line runs through a cutting along the western portion of the northern boundary and along a small embankment on the eastern portion of the northern boundary.

The site location is presented in Figure 1.



**Figure 1: Site Location**

## 5. Environmental Setting

Regional Topography	The topography of the region is characterised by undulating rises and low hills, elevation between 600 m and 700 m AHD and slope gradients generally <10%.
Site Topography	The site slopes gently towards the north-west and surface levels are approximately 640 m AHD
Soil Landscape	Reference to the 1:250,000 Goulburn Soil Landscape Series Sheet indicates that the site is underlain by Marulan Soil landscape. The Marulan soil landscape is characterised by undulating rises formed on granite. Sandy red podzolic soil are generally present on hillcrests with yellow podzolic soil on lower slopes and gleyed podzolic soil in drainage depressions.
Geology	Reference to the Goulburn 1:100,000 Geological Sheet 8828 indicates that the majority of the site is underlain by Marulan granite and residual deposits. A portion of the north of the site is underlain by Kerrawarra Dacite.
Acid Sulfate Soils	Reference to the CSIRO's Atlas of Australian Acid Sulfate Soils online mapping portal, ( <a href="http://www.csiro.au/ASRIS">A S R I S – Atlas of Australian Acid Sulfate Soils (csiro.au)</a> ) indicates that the site has a low probability of acid sulfate soils to be present.

Surface Water	<p>There is an agricultural dam present on the site, near the western boundary. An ephemeral water course is present in the centre of the running east to west, through the dam.</p> <p>The closest body of water to the site is the Jaorimin creek, approximately 300 m to the north west, at its nearest point.</p>
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## 5.1 Groundwater

A search of the publicly available registered groundwater bore database indicated that there are 24 registered groundwater bores within 1 km of the site. The 24 groundwater bores are summarised in Table 1.

**Table 1: Summary of Available Information from Nearby Registered Groundwater Bores**

<b>Bore ID</b> <b>Authorised Purpose</b> <b>Completion Year</b> <b>Status</b>	<b>Location Relative to Site</b>	<b>Final Depth (m)</b>	<b>Standing Water Level (m bgl)</b>
GW113748 Monitoring bore	424m S	11	NA
GW113749 Monitoring bore	488m S	24	NA
GW113750 Monitoring bore	569m S	11	NA
GW113751 Monitoring bore	576m S	11	NA
GW113752 Monitoring bore	594m S	11	NA
GW113753 Monitoring bore	620m S	11	NA
GW113754 Monitoring bore	580m S	11	NA
GW113755 Monitoring bore	603m S	11	NA
GW113756 Monitoring bore	592m S	11	NA
GW19646 Domestic, Waste disposal	721m E	48.8	NA
GW022357 Waste disposal	538m SE	26.5	NA

<b>Bore ID Authorised Purpose Completion Year Status</b>	<b>Location Relative to Site</b>	<b>Final Depth (m)</b>	<b>Standing Water Level (m bgl)</b>
GW023891 Waste disposal	752m E	61	NA
GW105966 Domestic, Stock	818m E	200	NA
GW113737 Monitoring bore	656m S	9	NA
GW113738 Monitoring bore	601m S	9	NA
GW113739 Monitoring bore	585m S	9	NA
GW113740 Monitoring bore	568m S	9	NA
GW113741 Monitoring bore	550m S	9	NA
GW113742 Monitoring bore	493m S	9	NA
GW113743 Monitoring bore	380m S	10	NA
GW113744 Monitoring bore	370m S	11	NA
GW113745 Monitoring bore	430m S	11	NA
GW113746 Monitoring bore	438m S	9	NA
GW113747 Monitoring bore	544m S	11	NA

Based on the topography of the site and the direction of nearby water courses, the anticipated flow direction of groundwater beneath the site is to the north west, towards Jaorimin Creek.

## 6. Site History

### 6.1 Historical Aerial Photography

Several historical aerial photographs were obtained from public databases. Extracts of the aerial photographs are included in Appendix D. A summary of key features observed for the site and surrounding land is presented in **Error! Reference source not found.**

**Table 2: Summary of Historical Aerial Photographs**

Year	Site	Surrounding Land Use
1963	A small agricultural dam was present on the site, an ephemeral water course was present running through the centre of the site. Site was undeveloped, no structures were present.	Surrounding land was agricultural and low density residential. The railway was present along the northern boundary of the site
1975	No significant changes to the previous photograph	No Significant changes to the previous photographs
1989	No significant changes to the previous photograph	Developments to residential areas east of site appeared.
1997	No significant changes to the previous photograph	Developments to residential areas east of site appeared.
2002	No significant changes to the previous photograph	No Significant changes to the previous photographs
2012	No significant changes to the previous photograph	No Significant changes to the previous photographs. Residential development had occurred to the north-east of the site.
2019	No Significant changes to the previous photographs	No Significant changes to the previous photographs.
2021	No Significant changes to the previous photographs	No Significant changes to the previous photographs. Some limited residential development had occurred to the south of the site.

### 6.2 Title Deeds

A historical title deeds search was used to obtain ownership and occupancy information including company names and the occupations of individuals. The title information can assist in the identification of previous land uses by the company names or the site owners and can, therefore, assist in establishing whether there were potentially contaminating activities occurring at the site. The results of the title deed search are provided in Appendix C. A summary of the title deeds and possible land uses (with reference to the aerial photographs and other historical searches) is presented in Table 3: Historical Title Deeds.

**Table 3: Historical Title Deeds**

<b>Date of Acquisition and Term Held</b>	<b>Registered Proprietor(s) &amp; Occupations</b>	<b>Inferred Land Use</b>
04.03.1914 (1914 to 1920)	Frederick Sherman (Farmer)	Agriculture (Grazing)
15.05.1920 (1920 to 1926)	Thomas Smith (Grazier)	Agriculture (Grazing)
23.08.1926 (1926 to 1934)	Thomas Maxwell Cameron Smith (Grazier) Evan Deveraux Smith (Grazier) Thomas Smith (Grazier)	Agriculture (Grazing)
24.12.1934 (1934 to 1934)	Thomas Maxwell Cameron Smith (Grazier) Evan Deveraux Smith (Grazier) (Transmission Application not investigated)	Agriculture (Grazing)
24.12.1934 (1934 to 1946)	Evan Deveraux Smith (Grazier) Enid May Smith (Married Woman)	Agriculture (Grazing)
08.10.1946 (1946 to 1951)	Raymond James Fingleton (Grazier)	Agriculture (Grazing)
14.05.1951 (1951 to 1953)	Alfred Morton Cansdell (Grazier)	Agriculture (Grazing)
20.07.1953 (1953 to 1964)	Gordon George William Redi (Farmer & Grazier)	Agriculture (Grazing)
10.04.1964 (1964 to 1979)	Leslie Redvers Armstrong (Grazier)	Agriculture (Grazing)
10.09.1979 (1979 to 1981)	Robert Alfred Legge (Grazier)	Agriculture (Grazing)
17.07.1981 (1981 to 2004)	Radoljub Simonovic Zivojin Simonovic	Agriculture (Grazing)
24.05.2004 (2004 to 2006)	Tailored Property (Wilson Drive) Pty Ltd (Formerly known as Wilson Drive Pty Ltd) Now Marulan Estates Ltd	Agriculture (Grazing)
03.02.2006 (2006 to Date)	# Augusta Projects Pty Ltd Then # Audley Pty Ltd Now # Marulan Estates Pty Ltd	Agriculture (Grazing)

### 6.3 Public Registers and Planning Records

EPA Notices available under Section 58 of the Contaminated Lands Management Act (CLM Act)

There were no records of notices for the site or adjacent sites.

Database searched 20/4/2022	
Sites notified to EPA under Section 60 of the CLM Act	The site and adjacent sites were not listed as a notified contaminated site.
Database searched 20/4/2022	The nearest notified contaminated sites are the BP Express Marulan on northbound Hume Highway approximately 550 m south of the site, and the BP Service station Southbound Hume highway approximately 700 m south east of the site.
Licences listed under Section 308 of the Protection of the Environment Operations Act 1997 (POEO Act)	There were no records issued to the site or adjacent sites.
Database searched 20/04/2022	
SafeWork NSW	Authority to conduct search was not signed and returned in order for a hazardous substances search to be carried out by the time of the writing of this report.
Planning Certificate	<p>Planning Certificate for the Lot that comprises the site was obtained from Goulburn Mulwaree Council. The certificates are dated 22/04/2022.</p> <p>From the certificates obtained the following information was provided:</p> <p>The land is not significantly contaminated, subject to a management order, subject of an approved voluntary management proposal, subject to an ongoing management order, nor subject of a site audit statement, at the time the certificate was issued.</p> <p>The land was not reported to contain loose fill asbestos.</p> <p>The land was reported to be bushfire prone land.</p> <p>The land was not located in bio-diversity land.</p> <p>The site was not located in a mine subsidence or road widening/construction area.</p>

#### 6.4 Site History Integrity Assessment

The information used to establish the history of the site was sourced from reputable and reliable reference documents, many of which were official records held by Government departments/agencies. The databases maintained by various Government agencies potentially can contain high quality information, but some of these do not contain any data at all.

In particular, aerial photographs can provide high quality information that is generally independent of memory or documentation. They are only available at intervals of several years, so some gaps exist in

the information from this source. The observed site features are open to different interpretations and can be affected by the time of day and/or year at which they were taken, as well as specific events, such as flooding. Care has been taken to consider different possible interpretations of aerial photographs and to consider them in conjunction with other lines of evidence.

## 6.5 Summary of Site History

The site history information suggests that the site was acquired by the current owners in 2006 from Tailored Property Pty Ltd. Information on historical aerial photographs and historical leases suggest the site has been used for agricultural purposes, grazing, since 1914 and that no developments or constructions have taken place on the site.

## 7. Site Walkover

### 7.1 Observations

A site walkover was undertaken by an environmental scientist on 28 March 2022. The general site topography was consistent with that described in Section 5. The site layout appears to have remained unchanged from the 1963 aerial photograph. The following key site features pertinent to the PSI were observed (refer to photographs in Appendix).

- Driveway entering the site from the east;
- Marulan Rural Fire Brigade station was located adjacent to site on boundary in the north-eastern corner of the site, by the proposed access road. The station comprised four shed buildings used to house firefighting equipment. The station was located at the far eastern-most point of the site, at the intersection between Goulburn Street and the proposed access road to the subdivision. It is located approximately 170 m from the nearest proposed residential block as part of the development and is considered to pose a low risk to proposed properties within the development;
- No evidence of former creek line; and
- No evidence of previous structures.

## 8. Preliminary Conceptual Site Model

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

### Potential Sources

Based on the current investigation, the following potential sources of contamination and associated contaminants of potential concern (COPC) have been identified.



- S1: Fill: Associated with potential past agricultural practices which may include but are not limited to infill in gully lines, dumping rubbish and waste (including hydrocarbon waste), animal burial pits.
  - o COPC include metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene (BTEX), polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), organochlorine and organophosphate pesticides (OCP and OPP) and asbestos.
- S2: Past agricultural pesticide practices.
  - o COPC include metals, OPP and OCP.
- S3: Railway Land to the north of the site
  - o COPC include TRH, BTEX, PAH, PCB, metals and asbestos

### Potential Receptors

The following potential human receptors have been identified:

- R1: Current users [vacant land/agricultural (grazing)];
- R2: Future construction and maintenance workers;
- R3: End users [future residents]; and
- R4: Adjacent site users [neighbouring residents/agricultural].

The following potential environmental receptors have been identified:

- R5: Surface water [on-site farm dams, tributaries and off-site creeks (Jaorimin Creek approximately 300 m north of the site)];
- R6: Groundwater; and
- R7: Terrestrial ecosystems.

### Potential Pathways

The following potential pathways in relation to human receptors have been identified:

- P1: Ingestion and dermal contact;
- P2: Inhalation of dust and/or vapours;

The following potential pathways in relation to the environmental receptors have been identified:

- P3: Surface water run-off;
- P4: Lateral migration of groundwater providing base flow to water bodies;
- P5: Leaching of contaminants and vertical migration into groundwater; and
- P6: Inhalation, ingestion and absorption.

### Summary of Potentially Complete Exposure Pathways

A 'source–pathway–receptor' approach has been used to assess the potential risks of harm being caused to human or environmental receptors from contamination sources on or in the vicinity of the site, via exposure pathways (potential complete pathways). The possible pathways between the above sources (S1 to S3) and receptors (R1 to R7) are provided in below Table 4.

**Table 4: Summary of Potentially Complete Exposure Pathways**

Source and COPC	Transport Pathway	Receptor	Risk Management Action
S1: Fill, Metals, TRH, BTEX, PAH, OCP, OPP, PCB and asbestos.	P1 and P2	R1, R2 and R3	Potential infill within gully lines, dumping of rubbish including hydrocarbon waste, animal burial pits associated with potential past agricultural practices.  An intrusive investigation is recommended to assess possible contamination including testing of the soils and groundwater
	P2	R4	
	P3 and P5	R5	
	P4 and P5	R6	
	P6	R7	
S2: Past use of Pesticides, metals, OPP and OCP.	P1, P2 and P3	R1, R2, R3 and R4	Potential past agricultural pesticide practices may have occurred on site.  An intrusive investigation is recommended to assess possible contamination including testing of the soils and groundwater.
	P3, P4, P5	R4	
	P3 and P4	R5	
	P4 and P5	R6	
	P6	R7	
S3: Railway corridor.	P1, P2 and P3	R1, R2, R3 and R4	The Main Southern Rail corridor is located immediately adjacent to the northern boundary of the site and as such there is potential for contamination run-off onto the site.  An intrusive investigation is recommended to assess possible contamination including testing of the soils and groundwater.
	P3, P4, P5	R4	
	P3 and P4	R5	
	P4 and P5	R6	
	P6	R7	

## 9. Sampling, Analysis and Quality Plan

### 9.1 Data Quality Objectives

The PSI was devised with reference to the seven-step data quality objective process which is provided in Appendix B Schedule B2, NEPC (2013). The DQO process is outlined in Appendix F.

## 9.2 Soil Sampling Rationale

Based on the CSM and DQO, it was considered that 35 locations would be appropriate to give a preliminary indication of the contamination status of the site. A systematic sampling strategy to determine test pit locations was adopted, however, test locations were also influenced by the geotechnical investigation that was undertaken concurrently with the PSI. Test pit locations are shown on Drawing 1, in Appendix A. It should be noted that Pit 18 was not completed due to site access constraints.

Soil samples were collected from each test pit at depths of approximately 0.1 m, 0.5 m, 1.0 m and every 1.0 m thereafter, and changes in lithology or signs of contamination.

The general sampling methods are described in the field work methodology, included in Appendix G.

## 10. Site Assessment Criteria

The site assessment criteria (SAC) applied in the current investigation are informed by the CSM (Section 8) which identified human and environmental receptors to potential contamination on the site. Analytical results are assessed (as a Tier 1 assessment) against the SAC comprising primarily the investigation and screening levels of Schedule B1 of NEPC (2013).

The investigation and screening levels applied in the current investigation comprise levels adopted for a 'residential with garden / accessible soil' land use scenario. The derivation of the SAC is included in Appendix H and the adopted SAC are listed on the summary analytical results tables in Appendix I.

## 11. Results

### 11.1 Field Work Results

The test pit logs for this assessment are included in Appendix J. The logs recorded the following general sub-surface profile:

The test pits encountered a relatively uniform subsurface profile of colluvial soils, then residual soils over weathered rock. The typical subsurface sequence can be summarised as follows:

- **TOPSOIL:** generally comprising silty sand or sandy silt with rootlets to a depth of 0.1 m below ground level (bgl) in all test pits except Pits 35 and 36;
- **TOPSOIL FIL:** generally comprising sandy gravel, encountered in Pits 35 and 36 to a depth of 0.1 m bgl
- **FILL:** low plasticity, brown sandy clay with some fine to coarse grained sand, encountered only in Pit 36 to a depth of 0.4 m bgl;
- **SANDY CLAY/CLAYEY SAND:** generally fine to coarse grained, grey mottle orange clayey sand or low plasticity pale brown sandy clay encountered in all pits except Pits 35 and 36, to depths between 0.2 m and 0.5 m bgl;

- **SILTY CLAY:** high plasticity, firm to very stiff orange-brown to grey orange silty clay, to depths of between 0.6 and 2.0 m bgl. Pit 4 terminated in this strata at a depth of 0.6 m due to refusal;
- **GRANODIORITE:** low to medium strength, highly to slightly weathered granodiorite from depths of between 0.6 – 2.0 m bgl to depths of between 0.7 m – 2.2 m bgl in all pits except Pit 4.

No groundwater was encountered during the investigation. However, the test pits were backfilled immediately following excavation precluding longer term monitoring of groundwater levels. Groundwater conditions rarely remain constant and can change seasonally due to variations in rainfall, temperature and soil permeability. For these reasons, it is noted that the moisture condition of the site soils may vary considerably from the time of the investigation compared to at the time of construction.

## 11.2 Field Screening and Contamination Observations

There was no visual or olfactory evidence (i.e. staining or odours) to suggest the presence of gross contamination within the soils investigated noted. Results of the PID screening were below 1 ppm indicating the presence of VOCs to be very low to unlikely.

There were no obvious indications of asbestos containing material within the exposed soil at each test pit location.

## 11.3 Laboratory Analytical Results

The results of laboratory analysis are summarised in the following tables in Appendix I:

- Table I1: Summary of Laboratory Results – Metals, TRH, BTEX, PAH;
- Table I2: Summary of Laboratory Results – OCP, OPP, PCB, Asbestos;

The laboratory certificates of analysis together with the chain of custody and sample receipt information are provided in Appendix K.

## 12. Discussion

### 12.1 Soils

The analytical results for all contaminants tested in all samples were below the SAC with the exception of:

- TRH >C<sub>10</sub>-C<sub>16</sub> in sample Pit 34 0.1m of 130 mg/kg which slightly exceeded the ESL of 120 mg/kg. DP considers that this result is not of concern due to the fact the sample was collected from the current access track to the site. It is understood that this area of the site will be developed as a road corridor to access the subdivision site, therefore, the risk to ecological receptors is considered to be low and not warrant further investigation.

## 12.2 Data Quality Assurance and Quality Control

The data quality assurance and quality control (QA/QC) results are included in Appendix L. Based on the results of the field QA and field and laboratory QC, and evaluation against the data quality indicators (DQI) it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

## 13. Revised Conceptual Site Model

The CSM presented in Section 8 has been updated to incorporate the findings of this PSI.

A 'source-pathway-receptor' approach has been used to assess the potential risks of harm being caused to human, water or environmental receptors from contamination sources on or in the vicinity of the site, via transport pathways (complete pathways). This is summarised in Table 5.

**Table 5: Updated Summary of Potentially Complete Exposure Pathways**

Source and COPC	Transport Pathway	Receptor	Risk Management Action
S1: Fill, Metals, TRH, BTEX, PAH, OCP, OPP, PCB and asbestos.	P1 and P2	R1, R2 and R3	<p>Only limited areas of filling were encountered limited to the access track to the site, in the north-eastern portion of the site.</p> <p>The results of the soil sampling indicated that concentrations of CoPC were below the site assessment criteria with the exception of a sample collected from test pit 34, where TRH &gt;C<sub>10</sub>-C<sub>16</sub> was marginally above the ESL.</p> <p>Given the sampling density was less than the SDG (NSW 1995) it is nonetheless recommended that a construction environment management (CEMP) plan should be prepared and implemented during construction.</p>
	P2	R4	
	P3 and P5	R5	
	P4 and P5	R6	
	P6	R7	
S2: Past use of Pesticides, metals, OPP and OCP.	P1, P2 and P3	R1, R2, R3 and R4	<p>The results of laboratory analysis indicated that concentrations of CoPC were below the site assessment criteria. It is considered that this exposure pathway is unlikely to be complete.</p> <p>Given the sampling density was less than the SDG (NSW 1995) it is nonetheless recommended that a construction environment</p>
	P3, P4, P5	R4	
	P3 and P4	R5	
	P4 and P5	R6	
	P6	R7	

Source and COPC	Transport Pathway	Receptor	Risk Management Action
			management (CEMP) plan should be prepared and implemented during construction.
S3: Railway corridor.	P1, P2 and P3	R1, R2, R3 and R4	The Main Southern Rail corridor is located immediately adjacent to the northern boundary of the site and as such there is potential for contamination run-off onto the site.
	P3, P4, P5	R4	
	P3 and P4	R5	
	P4 and P5	R6	
	P6	R7	The results of laboratory analysis indicated that concentrations of CoPC were below the site assessment criteria. It is considered that this exposure pathway is unlikely to be complete.

## 14. Conclusions and Recommendations

Douglas Partners Pty Ltd (DP) has been engaged by Darraby Pty Ltd (Darraby) to complete this preliminary site investigation with limited sampling (contamination) (PSI) undertaken for a proposed subdivision for the site at Goulburn Street, Marulan (the site).

The objective of the PSI is to identify potential sources of contamination (if any) and determine the potential contaminants of concern, identify areas of potential contamination, identify human and ecological receptors associated with the proposed development and identify potentially affected media (soil, groundwater, ground gas etc)

Based on the current investigation, the following potential sources of contamination and associated contaminants of potential concern (COPC) have been identified.

- S1: Fill: Associated with potential past agricultural practices which may include but are not limited to infill in gully lines, dumping rubbish and waste (including hydrocarbon waste), animal burial pits.
  - o COPC include metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene (BTEX), polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), organochlorine and organophosphate pesticides (OCP and OPP) and asbestos.
- S2: Past agricultural pesticide practices.
  - o COPC include metals, OPP and OCP.
- S3: Railway Land to the north of the site
  - o COPC include TRH, BTEX, PAH, PCB, metals and asbestos

Analytical results of soil samples were all within the adopted health-based (i.e. HIL-A / HSL-A/B) and management limits for residential land use. The analytical results were all within the adopted ecological based limits for residential land use, with the exception of TRH >C<sub>10</sub>-C<sub>16</sub> in sample Pit 34 0.1m of 130 mg/kg which slightly exceeded the ESL of 120 mg/kg. DP considers that this result is not of concern due to the fact that the sample was collected from the current access track to the site. It is understood that this area of the site will be developed as a road corridor to access the subdivision site, therefore, the risk to ecological receptors is considered to be low and not warrant further investigation.

DP considers that the site is suitable for the proposed residential subdivision and for permitted uses under the current site zoning, from a site contamination perspective, subject to the following measures during any future development works:

- A Construction Environment Management Plan should be prepared prior to construction including an 'unexpected finds protocol' (i.e. asbestos in fill, buried waste or hydrocarbon affected soils including staining and odours and evidence of heavy pesticide use) and implemented during potential future site works.

## 15. References

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

NSW EPA. (2020). *Guidelines for Consultants Reporting on Contaminated Land*. Contaminated Land Guidelines: NSW Environment Protection Authority.

## 16. Limitations

Douglas Partners (DP) has prepared this report (or services) for this project at Goulburn Street, Marulan in accordance with DP's proposal dated 8 March 2022 and purchase order 040 received from David Matthews of Darraby Pty Ltd dated 21 March 2022. The work was carried out under DP's Conditions of Engagement. This report is provided for the exclusive use of Darraby Pty Ltd for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

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

DP's advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by DP in this report may be affected by undetected variations in ground conditions

across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

The assessment of atypical safety hazards arising from this advice is restricted to the environmental components set out in this report and based on known project conditions and stated design advice and assumptions. While some recommendations for safe controls may be provided, detailed 'safety in design' assessment is outside the current scope of this report and requires additional project data and assessment.

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

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

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**Douglas Partners Pty Ltd**

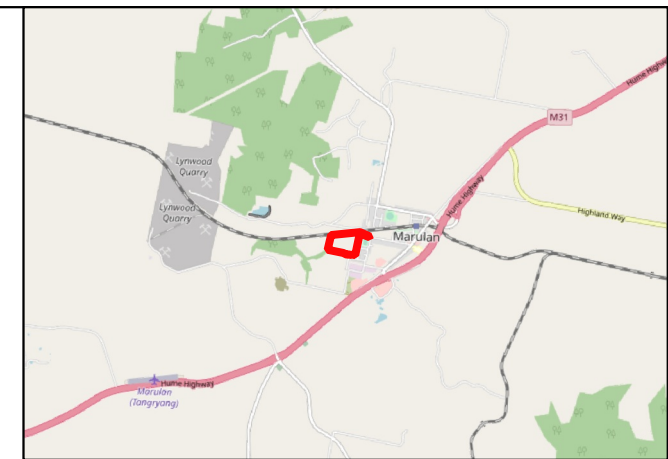
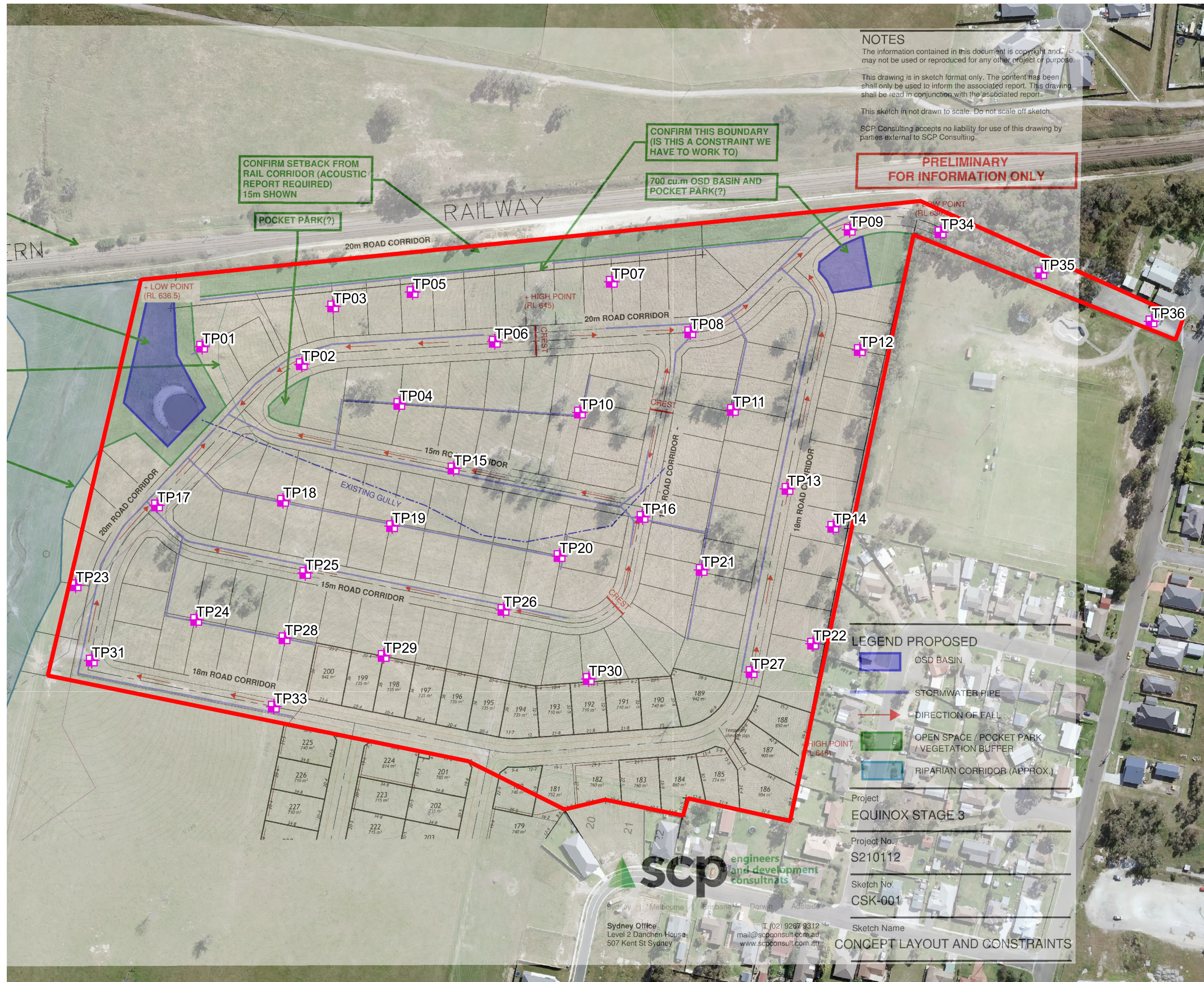


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## Appendix A

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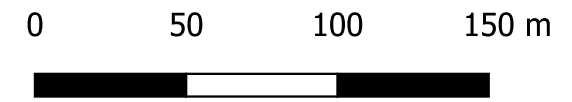
Drawings



LOCALITY MAP

- Notes:  
 1. Basemap from metromap.com (dated 15/04/2021)  
 2. Test locations shown are approximate only

- Legend**  
 [Red Outline] Approximate Site Boundary  
 [Purple Square] Proposed Test Pit Locations



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## **Appendix B**

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About This Report

# About this Report

# Douglas Partners



## Introduction

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

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

## Copyright

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

## Borehole and Test Pit Logs

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

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

## Groundwater

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

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

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

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

## Reports

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

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

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

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

# *About this Report*

## **Site Anomalies**

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

## **Information for Contractual Purposes**

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

## **Site Inspection**

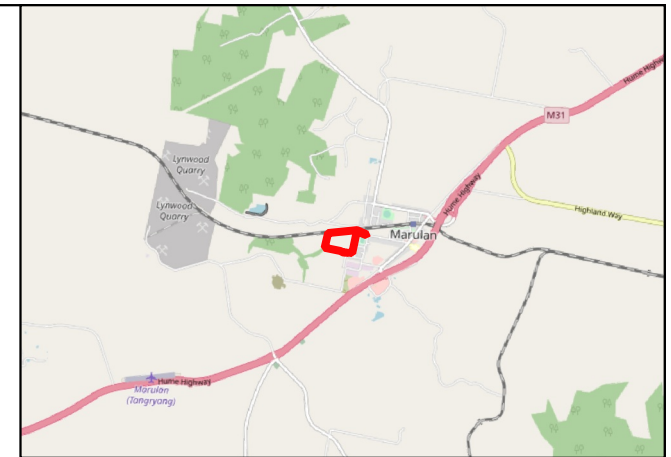
The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.

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## **Appendix C**

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Site History Searches



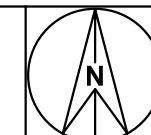
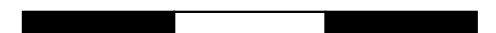
LOCALITY MAP

- Notes:
1. Basemap from metromap.com (dated 15/04/2021)
  2. Test locations shown are approximate only

Legend

- Approximate Site Boundary
- 1 km Site Buffer
- Approximate Groundwater Bore Location

0 200 400 600 m



# WaterNSW

## Work Summary

**GW019646**

**Licence:** 10WA114831

**Licence Status:** CURRENT

**Authorised Purpose(s):** DOMESTIC,WASTE DISPOSAL  
**Intended Purpose(s):** DOMESTIC

**Work Type:** Bore open thru rock

**Work Status:**

**Construct.Method:** Cable Tool

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 01/01/1962

**Final Depth:** 48.70 m  
**Drilled Depth:** 48.80 m

**Contractor Name:** (None)

**Driller:**

**Assistant Driller:**

**Property:** TERMINUS HOTEL NSW

**Standing Water Level**  
(m):

**GWMA:** -  
**GW Zone:** -

**Salinity Description:**  
Yield (L/s):

### Site Details

**Site Chosen By:**

County	Parish	Cadastre
<b>Form A:</b> ARGYLE	MARULAN	85
<b>Licensed:</b> ARGYLE	MARULAN	Whole Lot //

**Region:** 10 - Sydney South Coast

**CMA Map:** 8928-4S

**River Basin:** 215 - SHOALHAVEN RIVER  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** (Unknown)

**Northing:** 6154806.000  
**Easting:** 225761.000

**Latitude:** 34°42'43.4"S  
**Longitude:** 150°00'20.3"E

**GS Map:** -

**MGA Zone:** 56

**Coordinate Source:** GD.,ACC.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	Threaded Steel	-0.30	15.60	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)
14.00	14.00	0.00	Fractured						
36.50	36.50	0.00	Fractured			0.07			
42.80	42.80	0.00	Fractured			0.09			
49.00	49.00	0.00	Fractured	8.80		0.18			

### Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.91	0.91	Clay	Clay	
0.91	14.63	13.72	Granite Decomposed Water Supply	Granite	
14.63	48.77	34.14	Granite Water Supply	Granite	



## Remarks

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28/09/1976: SUBJECT TO W A WASTE DIS OR DOM  
28/02/1983: TERMINUS HOTEL MARULAN

**\*\*\* End of GW019646 \*\*\***

**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

**GW022357**
**Licence:** 10WA114834

**Licence Status:** SURRENDERED

**Authorised Purpose(s):** WASTE DISPOSAL  
**Intended Purpose(s):** DOMESTIC

**Work Type:** Bore open thru rock

**Work Status:**
**Construct.Method:** Cable Tool

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 01/12/1964

**Final Depth:** 26.50 m  
**Drilled Depth:** 26.50 m

**Contractor Name:** (None)

**Driller:**
**Assistant Driller:**
**Property:** N/A NSW

**Standing Water Level**  
**(m):**
**GWMA:** -  
**GW Zone:** -

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

County	Parish	Cadastre
<b>Form A:</b> ARGYLE	MARULAN	92
<b>Licensed:</b> ARGYLE	MARULAN	Whole Lot //

**Region:** 10 - Sydney South Coast

**CMA Map:** 8928-4S

**River Basin:** 215 - SHOALHAVEN RIVER  
**Area/District:**
**Grid Zone:**
**Scale:**
**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** (Unknown)

**Northing:** 6154520.000  
**Easting:** 225464.000

**Latitude:** 34°42'52.4"S  
**Longitude:** 150°00'08.3"E

**GS Map:** -

**MGA Zone:** 56

**Coordinate Source:** GD.,ACC.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	Threaded Steel	-0.30	25.30	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)
22.80	22.80	0.00	Fractured	18.80		0.15			
25.90	25.90	0.00	Fractured	13.70		0.28			

### Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	3.05	3.05	Clay	Clay	
3.05	6.10	3.05	Clay Sandy	Clay	
6.10	15.24	9.14	Granite Decomposed	Granite	
15.24	26.52	11.28	Granite Water Supply	Granite	

## Remarks

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28/02/1983: SHELL SERVICE STATION HUME HWY M00ARULAN

**\*\*\* End of GW022357 \*\*\***

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# WaterNSW

## Work Summary

### GW023891

Licence: 10WA114840

Licence Status: SURRENDERED

Authorised Purpose(s): WASTE DISPOSAL  
Intended Purpose(s): DOMESTIC

Work Type: Bore

Work Status:

Construct.Method: Rotary Air

Owner Type: P.W.D.

Commenced Date:  
Completion Date: 01/11/1965

Final Depth: 60.90 m  
Drilled Depth: 61.00 m

Contractor Name: (None)

Driller:

Assistant Driller:

Property: N/A NSW

Standing Water Level  
(m):

GWMA: -  
GW Zone: -

Salinity Description:  
Yield (L/s):

### Site Details

Site Chosen By:

County	Parish	Cadastre
Form A: ARGYLE	MARULAN	211
Licensed: ARGYLE	MARULAN	Whole Lot //

Region: 10 - Sydney South Coast

CMA Map: 8928-4S

River Basin: 215 - SHOALHAVEN RIVER  
Area/District:

Grid Zone:

Scale:

Elevation: 0.00 m (A.H.D.)  
Elevation Source: (Unknown)

Northing: 6154652.000  
Easting: 225765.000

Latitude: 34°42'48.4"S  
Longitude: 150°00'20.3"E

GS Map: -

MGA Zone: 56

Coordinate Source: GD.,ACC.MAP

### Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Soil	Soil	
0.30	14.93	14.63	Clay Boulders Large Solid Hard	Clay	
14.93	16.76	1.83	Rock Broken Hard	Rock	
16.76	18.28	1.52	Boulders Hard Granite	Granite	
18.28	60.96	42.68	Granite Very Hard	Granite	

\*\*\* End of GW023891 \*\*\*

Warning To Clients: This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW105966**

**Licence:** 10WA115456

**Licence Status:** CURRENT

**Authorised Purpose(s):** DOMESTIC,STOCK  
**Intended Purpose(s):** DOMESTIC

**Work Type:** Bore

**Work Status:** Supply Obtained

**Construct.Method:** Down Hole Hamm

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 12/05/2004

**Final Depth:** 200.00 m  
**Drilled Depth:** 200.00 m

**Contractor Name:** Ultra Drilling  
**Driller:** Bradley Alan Dodd  
**Assistant Driller:**

**Property:** MILLS 78 George St MARULAN  
2579 NSW  
**GWMA:** -  
**GW Zone:** -

**Standing Water Level**  
(m):  
**Salinity Description:** Good  
**Yield (L/s):** 0.015

### Site Details

**Site Chosen By:**

County	Parish	Cadastre
<b>Form A:</b> ARGYLE	MARULAN	1/817360
<b>Licensed:</b> ARGYLE	MARULAN	Whole Lot 1//817360

**Region:** 10 - Sydney South Coast

**CMA Map:** 8928-4S

**River Basin:** 215 - SHOALHAVEN RIVER  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** (Unknown)

**Northing:** 6155046.000  
**Easting:** 225836.000

**Latitude:** 34°42'35.7"S  
**Longitude:** 150°00'23.5"E

**GS Map:** -

**MGA Zone:** 56

**Coordinate Source:** GIS - Geogra

### 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		Hole	Hole	0.00	24.00	170			Down Hole Hammer
1		Hole	Hole	24.00	200.00	140			Down Hole Hammer
1		Annulus	Concrete	0.00	1.00	170	140		
1	1	Casing	P.V.C.	-0.30	27.00	140			Driven into Hole, Glued

### 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)
108.00	108.50	0.50	Unknown			0.01		02:00:00	

### Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	3.00	3.00	clay	Clay	
3.00	120.00	117.00	granite	Granite	
120.00	200.00	80.00	granite, limestone	Granite	

**\*\*\* End of GW105966 \*\*\***

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# WaterNSW

## Work Summary

### GW113737

**Licence:** 10BL604027

**Licence Status:** ACTIVE

**Authorised Purpose(s):** MONITORING BORE  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**

**Completion Date:** 07/10/2009

**Final Depth:** 9.00 m

**Drilled Depth:** 9.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:** BP MARULAN NORTHBOUND  
 Hume Hwy MARULAN 2579 NSW

**GWMA:** -  
**GW Zone:** -

**Standing Water Level**  
 (m):

**Salinity Description:**  
 Yield (L/s):

### Site Details

**Site Chosen By:**

County	Parish	Cadastre
<b>Form A:</b> ARGYLE	MARULAN	//9999
<b>Licensed:</b> ARGYLE	MARULAN	Whole Lot 19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153910.000  
**Easting:** 774113.000

**Latitude:** 34°43'12.5"S  
**Longitude:** 149°59'35.8"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113737 \*\*\*

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# WaterNSW

## Work Summary

**GW113738**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 07/10/2009

**Final Depth:** 9.00 m  
**Drilled Depth:** 9.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

County	Parish	Cadastre
<b>Form A:</b> ARGYLE	MARULAN	1/221236
<b>Licensed:</b>		

**Region:** 10 - Sydney South Coast

**CMA Map:**

**River Basin:** - Unknown  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153965.000  
**Easting:** 774112.000

**Latitude:** 34°43'10.8"S  
**Longitude:** 149°59'35.7"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113738 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113739**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 08/10/2009

**Final Depth:** 9.00 m  
**Drilled Depth:** 9.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level (m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

## Site Details

**Site Chosen By:**

<b>County</b>	<b>Parish</b>	<b>Cadastre</b>
<b>Form A:</b> ARGYLE	MARULAN	19//791620
<b>Licensed:</b>		

**Region:** 10 - Sydney South Coast

**CMA Map:**

**River Basin:** - Unknown  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153974.000  
**Easting:** 774190.000

**Latitude:** 34°43'10.4"S  
**Longitude:** 149°59'38.8"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

## Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113739 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113740**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 08/10/2009

**Final Depth:** 9.00 m  
**Drilled Depth:** 9.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153991.000  
**Easting:** 774188.000

**Latitude:** 34°43'09.8"S  
**Longitude:** 149°59'38.7"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113740 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113741**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 08/10/2009

**Final Depth:** 9.00 m  
**Drilled Depth:** 9.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level (m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

## Site Details

**Site Chosen By:**

<b>County</b>	<b>Parish</b>	<b>Cadastre</b>
<b>Form A:</b> ARGYLE	MARULAN	19//791620
<b>Licensed:</b>		

**Region:** 10 - Sydney South Coast

**CMA Map:**

**River Basin:** - Unknown  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154008.000  
**Easting:** 774208.000

**Latitude:** 34°43'09.3"S  
**Longitude:** 149°59'39.4"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

## Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113741 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113742**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 08/10/2009

**Final Depth:** 9.00 m  
**Drilled Depth:** 9.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**CMA Map:**

**River Basin:** - Unknown  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154070.000  
**Easting:** 774277.000

**Latitude:** 34°43'07.2"S  
**Longitude:** 149°59'42.1"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113742 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

### GW113743

---

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 08/10/2009

**Final Depth:** 10.00 m  
**Drilled Depth:** 10.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

---

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
15//715105

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154182.000  
**Easting:** 774265.000

**Latitude:** 34°43'03.6"S  
**Longitude:** 149°59'41.5"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

---

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113743 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

### GW113744

---

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 14/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
(m):

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

---

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
15//715105

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154188.000  
**Easting:** 774223.000

**Latitude:** 34°43'03.4"S  
**Longitude:** 149°59'39.8"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

---

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113744 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

### GW113745

---

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 15/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

---

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154128.000  
**Easting:** 774195.000

**Latitude:** 34°43'05.4"S  
**Longitude:** 149°59'38.8"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

---

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113745 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113746**

---

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 06/02/2014

**Final Depth:** 9.00 m  
**Drilled Depth:** 9.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

---

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154121.000  
**Easting:** 774181.000

**Latitude:** 34°43'05.6"S  
**Longitude:** 149°59'38.2"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

---

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113746 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

### GW113747

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 12/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

County	Parish	Cadastre
<b>Form A:</b> ARGYLE	MARULAN	19//791620
<b>Licensed:</b>		

**Region:** 10 - Sydney South Coast

**CMA Map:**

**River Basin:** - Unknown  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154017.000  
**Easting:** 774155.000

**Latitude:** 34°43'09.0"S  
**Longitude:** 149°59'37.3"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113747 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

### GW113748

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 12/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154037.000  
**Easting:** 774159.000

**Latitude:** 34°43'08.4"S  
**Longitude:** 149°59'37.5"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113748 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113749**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 13/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154071.000  
**Easting:** 774240.000

**Latitude:** 34°43'07.2"S  
**Longitude:** 149°59'40.6"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113749 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

### GW113750

---

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 13/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

---

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153991.000  
**Easting:** 774178.000

**Latitude:** 34°43'09.9"S  
**Longitude:** 149°59'38.3"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

---

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113750 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113751**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 13/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153984.000  
**Easting:** 774248.000

**Latitude:** 34°43'10.0"S  
**Longitude:** 149°59'41.0"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113751 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

### GW113752

---

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 13/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
(m):

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

---

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153965.000  
**Easting:** 774241.000

**Latitude:** 34°43'10.6"S  
**Longitude:** 149°59'40.8"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

---

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113752 \*\*\*

**Warning To Clients:** This raw data has been supplied to the NSW Office of Water by drillers, licensees and other sources. The NOW 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

**GW113753**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 14/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
8/702080

**Region:** 10 - Sydney South Coast

**CMA Map:**

**River Basin:** - Unknown  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153942.000  
**Easting:** 774275.000

**Latitude:** 34°43'11.3"S  
**Longitude:** 149°59'42.1"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113753 \*\*\*

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# WaterNSW Work Summary

**GW113754**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 14/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level (m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

## Site Details

**Site Chosen By:**

<b>County</b>	<b>Parish</b>	<b>Cadastre</b>
<b>Form A:</b> ARGYLE	MARULAN	19//791620
<b>Licensed:</b>		

**Region:** 10 - Sydney South Coast

**CMA Map:**

**River Basin:** - Unknown  
**Area/District:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153982.000  
**Easting:** 774146.000

**Latitude:** 34°43'10.2"S  
**Longitude:** 149°59'37.0"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

## Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113754 \*\*\*

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# WaterNSW Work Summary

**GW113755**

**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 14/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)  
**Driller:** Unkown Unknown  
**Assistant Driller:**

**Property:**

**Standing Water Level (m):**  
**Salinity Description:**  
**Yield (L/s):**

**GWMA:**  
**GW Zone:**

## Site Details

**Site Chosen By:**

<b>County</b>	<b>Parish</b>	<b>Cadastre</b>
<b>Form A:</b> ARGYLE	MARULAN	211/791620
<b>Licensed:</b>		

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**  
**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6153960.000  
**Easting:** 774138.000

**Latitude:** 34°43'10.9"S  
**Longitude:** 149°59'36.7"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

## Remarks

31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113755 \*\*\*

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# WaterNSW

## Work Summary

**GW113756**

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**Licence:**

**Licence Status:**

**Authorised Purpose(s):**  
**Intended Purpose(s):** MONITORING BORE

**Work Type:** Bore

**Work Status:** Equipped

**Construct.Method:**

**Owner Type:** Private

**Commenced Date:**  
**Completion Date:** 14/10/2009

**Final Depth:** 11.00 m  
**Drilled Depth:** 11.00 m

**Contractor Name:** (None)

**Driller:** Unkown Unknown

**Assistant Driller:**

**Property:**

**Standing Water Level**  
**(m):**

**GWMA:**  
**GW Zone:**

**Salinity Description:**  
**Yield (L/s):**

### Site Details

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**Site Chosen By:**

**County**  
**Form A:** ARGYLE  
**Licensed:**

**Parish**  
MARULAN

**Cadastre**  
19//791620

**Region:** 10 - Sydney South Coast

**River Basin:** - Unknown  
**Area/District:**

**CMA Map:**

**Grid Zone:**

**Scale:**

**Elevation:** 0.00 m (A.H.D.)  
**Elevation Source:** Unknown

**Northing:** 6154072.000  
**Easting:** 774283.000

**Latitude:** 34°43'07.1"S  
**Longitude:** 149°59'42.3"E

**GS Map:** -

**MGA Zone:** 55

**Coordinate Source:** Unknown

### Remarks

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31/07/2014: Nat Carling, 31-July-2014; Added status, drill method & depth.

\*\*\* End of GW113756 \*\*\*

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## 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	Alexandra 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 Arah 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	-28.50210255	153.5278161
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 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
BONNYRIGG HEIGHTS	BP-Branded Service Station Bonnyrigg	451 North Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.89416327	150.8578378

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	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	Under assessment	-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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BOTANY	Roads and Maritime Service	5 - 9 Lord STREET	Other Industry	Regulation under CLM Act not required	-33.94100279	151.1968763
BOURKE	Caltex Service Station	82-86 Anson STREET	Service Station	Regulation under CLM Act not required	-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 Coerwull 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Bruncker 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 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Railway Station and Rail Corridor	Bungendore STREET	Unclassified	Under assessment	-35.25397326	149.4470058
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
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	Regulation being finalised	-33.89373753	150.9587201
CABRAMURRA	Selwyn Snowfields / Selwyn Snow Resort	213A Kings Cross ROAD	Other Industry	Regulation under CLM Act not required	#####	148.4565678

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

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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
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Former Orica, Chester Hill	127 Orchard ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.8869823	150.9952873
CHESTER HILL	Integrated Packaging	149 Orchard ROAD	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

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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
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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
COOLONGOLOOK	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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Lowe's 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COWRA	Lowe's 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	Big T Roadhouse	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
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
CUNDLETON	Caltex Service Station (1 Manning River Drive)	Old Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-31.89329598	152.5068225

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-34.503453	150.80323
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 preliminary investigation order	-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
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	Mannering 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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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
DUNGOG	Former HWC Maintenance Depot for Civil Engineering Works	86 Abelard STREET	Other Industry	Regulation under CLM Act not required	-32.40429396	151.7514073
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EARLWOOD	2, 4 & 6 Unwin Street Earlwood	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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EMPIRE BAY	Empire Bay Marina	16B Sorrento ROAD	Other Industry	Regulation being finalised	-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
ENGADINE	Former Caltex Service Station	995 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.06413459	151.0155734
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
FORRESTERS BEACH	Caltex Service Station	The Entrance Rd Cnr Bellevue ROAD	Service Station	Regulation under CLM Act not required	-33.40057818	151.4687631
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Contamination currently regulated under 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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Broken Hill Kanandah Road Refuelling Depot	Kanandah ROAD	Service Station	Under assessment	-31.98543706	141.4196
GOULBURN	Caltex Depot	13 Sloane STREET	Other Petroleum	Regulation under CLM Act not required	-34.77423152	149.7088626
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Lowe's 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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRANVILLE	Australand	15-17 Berry STREET	Other Industry	Regulation under CLM Act not required	-33.8360073	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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Loves 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

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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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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/Leura 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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 currently regulated under 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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KOOLKHAN	Former Koolkhan Power Station	Summerland WAY	Other Industry	Regulation under CLM Act not required	-29.61688704	152.9300645
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
KOORAGANG	Linx Logistics	240 Cormorant ROAD	Other Industry	Regulation under CLM Act not required	-32.87480951	151.7757352
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Artarmon 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Kurradjong 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
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 currently regulated under 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	Spoons 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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Under assessment	-33.39095144	150.1049798
LIDSDALE	Kerosene Vale Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.38232515	150.0943561
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Under assessment	-33.92477836	150.9169229

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	-34.03555347	150.9751826
LUCAS HEIGHTS	IWC landfill	Little Forest ROAD	Landfill	Contamination formerly regulated under the CLM Act	-34.03214889	150.9753474
LUDDENHAM	Caltex Service Station	3019-3035 The Northern ROAD	Service Station	Regulation under CLM Act not required	-33.87536093	150.6888872
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MANLY VALE	Former Landfill Addiscombe Road	Addiscombe ROAD	Landfill	Contamination currently regulated under CLM Act	-33.78307439	151.2747846
MANNERING PARK	Mannering 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
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Regulation being finalised	-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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MILLERS POINT	Moores 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
MILPERRA	Heatcraft Australia Pty Ltd	286 Horsley ROAD	Other Industry	Regulation under CLM Act not required	-33.94031556	150.9958606
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Contamination being managed via the planning process (EP&A Act)	-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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Under assessment	-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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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 DrUITt	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 DrUITt	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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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 Service Station	60 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-36.21617955	150.126261
NARRABEEN	7-Eleven Narrabeen North	1497 Pittwater Road, corner Gondola ROAD	Service Station	Regulation being finalised	-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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NARRABRI	Cargill Soapstock Disposal Site	Westport ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-30.4698458	149.6981931
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NEWCASTLE	Newcastle Foreshore	40 Stevenson Place STREET	Other Industry	Regulation under CLM Act not required	-32.92556503	151.7876742
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NORTH NARRABEEN	7-Eleven Service Station	1501-1503 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70749859	151.296351
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 Transmissi9on Substation	69 Kurrajong AVENUE	Other Industry	Under assessment	-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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NORTHMEAD	Sydney Water Land	51c Hammers ROAD	Landfill	Regulation under CLM Act not required	-33.7887535	150.9858088
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ORANGE	Lowes Petroleum (BP-branded) Service Station	76 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.29025034	149.1027194
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	Foseco 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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PADSTOW	Selleys / Dulux	1-29 Gow STREET	Chemical Industry	Regulation under CLM Act not required	-33.93904125	151.0381725
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PENDLE HILL	7-Eleven Service Station	217 Wentworth AVENUE	Service Station	Regulation under CLM Act not required	-33.8017814	150.9577994
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	-33.75231953	150.6964541
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PERISHER VALLEY	Perisher Ski Resort	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.41106374	148.4005469
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT BOTANY	Terminals	45 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97609287	151.2174402
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT KEMBLA	Port Kembla Steelworks - Steelhaven	Five Islands ROAD	Other Industry	Regulation under CLM Act not required	-34.47605247	150.891144
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT MACQUARIE	Port Macquarie Council Depot	Koala STREET	Unclassified	Regulation under CLM Act not required	-31.45341586	152.9032764
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PYMBLE	Former 3M site	950 Pacific HIGHWAY	Gasworks	Regulation under CLM Act not required	-33.75050288	151.1460578
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	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	-35.34187485	149.2247277
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	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	Unclassified	Under assessment	-34.15859952	150.6328008
REDFERN	BP Service Station	116 Regent STREET	Service Station	Regulation under CLM Act not required	-33.89367876	151.1995256

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-33.936788	150.998238
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
RIVERSTONE	7-Eleven Riverstone	55 Garfield ROAD	Service Station	Regulation under CLM Act not required	-33.67802232	150.8635246

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
RYDALMERE	United Petroleum (former 7-Eleven) Service Station Rydalmer	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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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	Under assessment	-32.88228564	151.6819137
SHORTLAND	Shortland Wastewater Treatment Works - duplicate entry	Aden STREET	Other Industry	Under assessment	-32.88228564	151.6819137



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	74B 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Ebdon 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	150.775489
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-32.201009	149.45324
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	-31.096677	150.891745
TAMINDA	Mobil Depot	9 Hinkler ROAD	Other Petroleum	Regulation under CLM Act not required	-31.09584286	150.9040493

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TARCUTTA	Mobil Service Station	(Hume Highway) 32 Sydney STREET	Service Station	Contamination formerly regulated under the CLM Act	-35.2772942	147.73574
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-32.946854	151.617083
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Turrumurra	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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Nepotian (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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Chaston 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
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



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Megarrity'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	Diversity 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
WELLINGTON	BP Wellington Service Station	35A Maxwell STREET	Service Station	Under assessment	-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	-32.545802	148.943318
WELLINGTON	Police Citizens Youth Club (PCYC)	69 Gobolon STREET	Gasworks	Under assessment	-32.5456	148.944004

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WELLINGTON	The Wash Shed (Laundromat)	67 Gobolion STREET	Gasworks	Under assessment	-32.545494	-32.545494
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Loves 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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
WOOLLOMIN	Woolomin Gold Rush Store	65 Nundle ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-31.30415134	151.149729



Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WOOLOOWARE	Caltex Service Station	100 Woolooware 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 formerly regulated under the CLM 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 Bruner 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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
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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**Summary of Owners Report**

**Address: Goulburn Street, Marulan, NSW 2579**

**Description: - Part Lot 23 D.P. 1256090**

<b><u>Date of Acquisition and term held</u></b>	<b><u>Proprietor(s) &amp; Occupations where available</u></b>	<b><u>Reference to Title at Acquisition and sale</u></b>
04.03.1914 (1914 to 1920)	Frederick Sherman (Farmer)	Volume 1118 Folio 43
15.05.1920 (1920 to 1926)	Thomas Smith (Grazier)	Volume 1118 Folio 43
23.08.1926 (1926 to 1934)	Thomas Maxwell Cameron Smith (Grazier) Evan Deveraux Smith (Grazier) Thomas Smith (Grazier)	Volume 1118 Folio 43 Now Volume 3930 Folios 82 to 84
24.12.1934 (1934 to 1934)	Thomas Maxwell Cameron Smith (Grazier) Evan Deveraux Smith (Grazier) (Transmission Application not investigated)	Volume 3930 Folios 82 to 84 Now Volume 4664 Folios 246 to 247
24.12.1934 (1934 to 1946)	Evan Deveraux Smith (Grazier) Enid May Smith (Married Woman)	Volume 4664 Folios 246 to 247
08.10.1946 (1946 to 1951)	Raymond James Fingleton (Grazier)	Volume 4664 Folios 246 to 247 Now Volume 5668 Folio 216
14.05.1951 (1951 to 1953)	Alfred Morton Cansdell (Grazier)	Volume 5668 Folio 216
20.07.1953 (1953 to 1964)	Gordon George William Redi (Farmer & Grazier)	Volume 5668 Folio 216 Now Volume 9927 Folio 109
10.04.1964 (1964 to 1979)	Leslie Redvers Armstrong (Grazier)	Volume 9927 Folio 109
10.09.1979 (1979 to 1981)	Robert Alfred Legge (Grazier)	Volume 9927 Folio 109
17.07.1981 (1981 to 2004)	Radoljub Simonovic Zivojin Simonovic	Volume 9927 Folio 109 Now 1/221236
24.05.2004 (2004 to 2006)	Tailored Property (Wilson Drive) Pty Ltd (Formerly known as Wilson Drive Pty Ltd) Now Marulan Estates Ltd	1/221236
03.02.2006 (2006 to Date)	# Augusta Projects Pty Ltd Then # Audley Pty Ltd Now # Marulan Estates Pty Ltd	1/221236 Now 23/1256090

**# Denotes current registered proprietor**

**Continued Over.**

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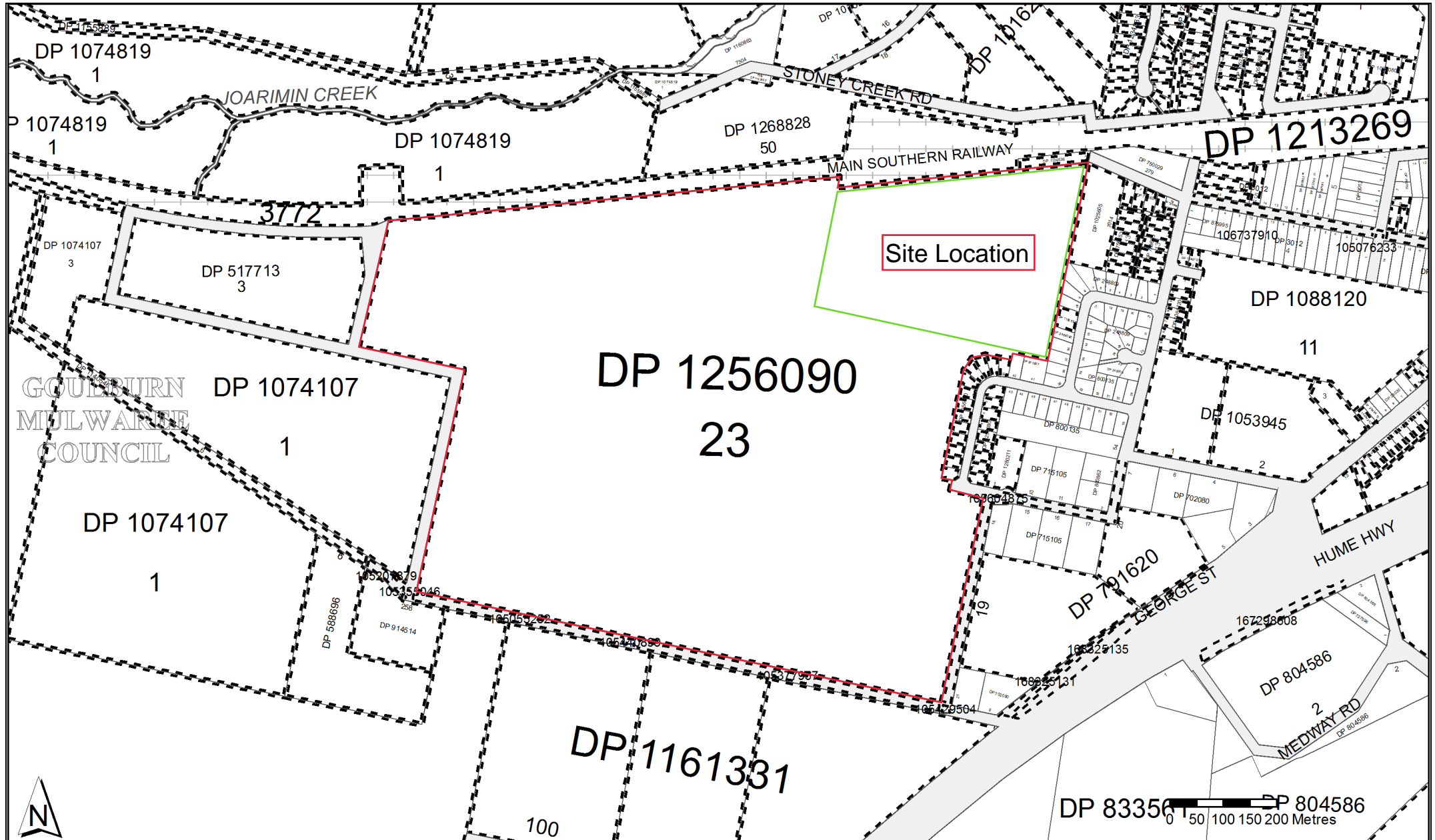
**Leases: - NIL**













**Easements: -**

- 15.09.1989 (D.P.642601): Easement to drain sewerage 6 wide affecting the part of the land above described shown so burdened in the title diagram.

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Yours Sincerely,  
Taylor Wilson  
2<sup>nd</sup> May 2022



	Status	Surv/Comp	Purpose
<b>DP1256090</b>			
Lot(s): 23			
 DP1136538	HISTORICAL	COMPILATION	ROADS ACT, 1993
 NSW GAZ.		17-07-2009	Folio : 4092
CLOSED ROAD LOTS 1-2 DP1136538 - SEE AE859910			
Lot(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23			
 DP221236	HISTORICAL	SURVEY	SUBDIVISION
<b>DP1268828</b>			
Lot(s): 50			
 DP221236	HISTORICAL	SURVEY	SUBDIVISION
 DP1018139	HISTORICAL	SURVEY	SUBDIVISION
<b>DP1280211</b>			
Lot(s): 1			
 DP715105	HISTORICAL	SURVEY	SUBDIVISION
Road			
Polygon Id(s): 168325135			
 NSW GAZ.		05-01-1990	Folio : 36
LOT 30 DP248809DECLARED PUBLIC ROAD AND PLACED UNDER THE CARE, CONTROL AND MANAGEMENT OF MULWAREE COUNCIL			
Polygon Id(s): 105355046			
 NSW GAZ.		09-05-2003	Folio : 4728
TRANSFER OF CROWN ROAD TO COUNCIL			
Polygon Id(s): 105604875			
 DP1280211	REGISTERED	SURVEY	SUBDIVISION
Polygon Id(s): 167298608, 168325131			
 NSW GAZ.		05-01-1990	Folio : 36
DEDICATED PUBLIC ROAD AND VESTED IN COUNCIL, BEING LOTS 27-30 DP700579. FEE OF PART IS COMPRISED WITHIN CERTIFICATE OF TITLE VOLUME 13376 FOLIO 250			
Polygon Id(s): 105015249, 105360738, 105395130, 105440902			
 NSW GAZ.		19-02-1937	
RESERVE NO. 66582 GOV. GAZ. 19-2-1937 FOL. 839; APPOINTMENT OF TRUST BOARD MEMBERS GOV. GAZ. 10-8-2001 FOLIO 5949			
Polygon Id(s): 105055252, 105076233, 105207879, 105355046, 105377957, 105429504, 105440899, 105534771, 106737910			
 NSW GAZ.		27-09-2019	Folio : 4188
TRANSFER OF CROWN ROAD TO COUNCIL AFFECTING THE LAND SHADED RED IN THE DIAGRAM ACCOMPANYING THIS GAZETTE NOTIFICATION			

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

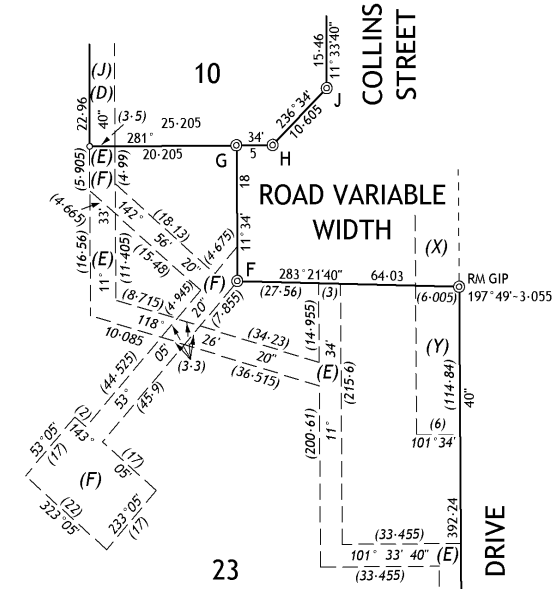
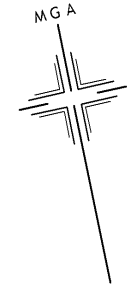
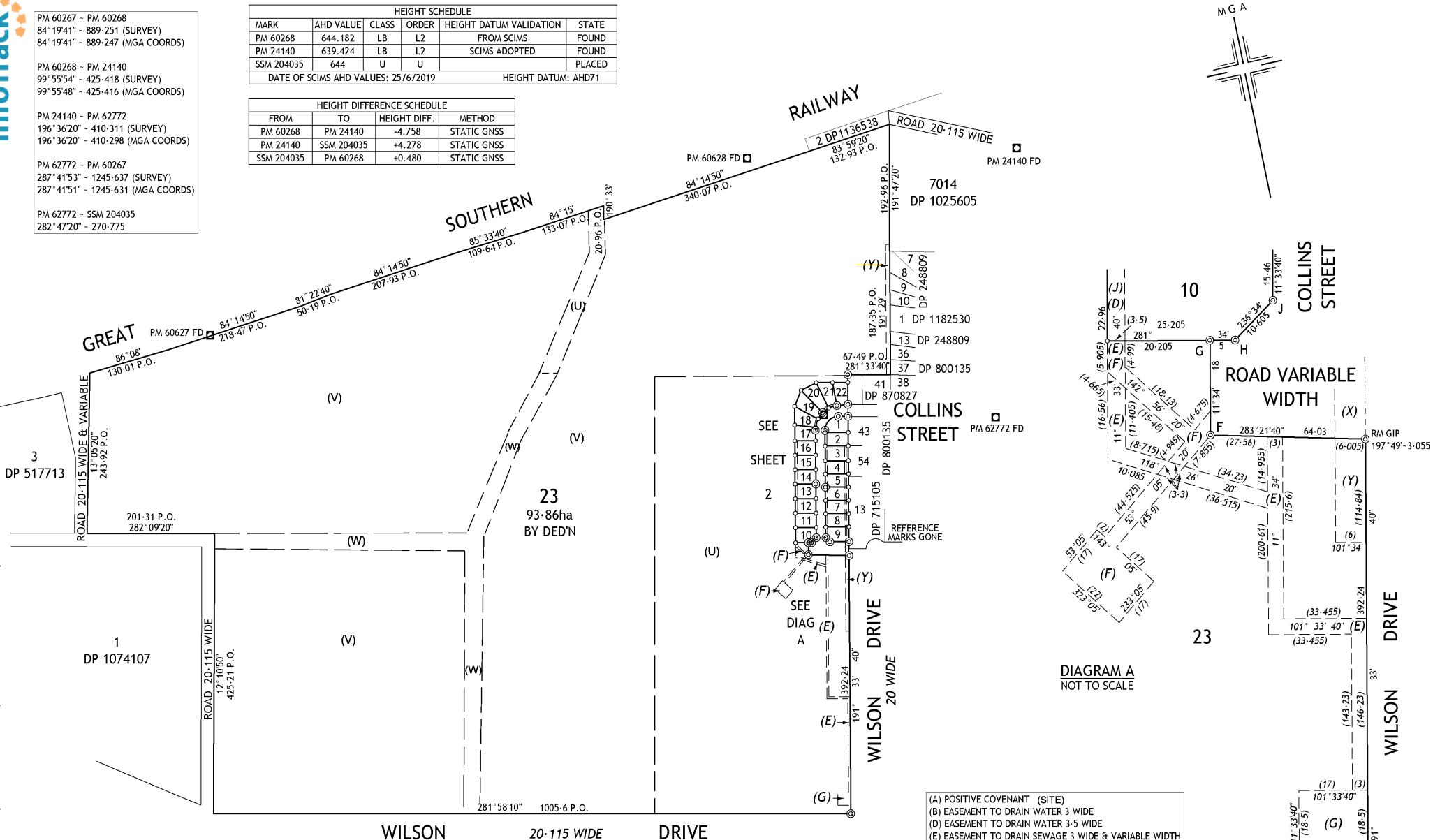


PM 60267 - PM 60268
84° 19'41" - 889-251 (SURVEY)
84° 19'41" - 889-247 (MGA COORDS)
PM 60268 - PM 24140
99° 55'54" - 425-418 (SURVEY)
99° 55'48" - 425-416 (MGA COORDS)
PM 24140 - PM 62772
196° 36'20" - 410-311 (SURVEY)
196° 36'20" - 410-298 (MGA COORDS)
PM 62772 - PM 60267
287° 41'53" - 1245-637 (SURVEY)
287° 41'51" - 1245-631 (MGA COORDS)
PM 62772 - SSM 204035
282° 47'20" - 270-775

HEIGHT SCHEDULE					
MARK	AHD VALUE	CLASS	ORDER	HEIGHT DATUM VALIDATION	STATE
PM 60268	644.182	LB	L2	FROM SCIMS	FOUND
PM 24140	639.424	LB	L2	SCIMS ADOPTED	FOUND
SSM 204035	644	U	U		PLACED
DATE OF SCIMS AHD VALUES: 25/6/2019				HEIGHT DATUM: AHD71	

HEIGHT DIFFERENCE SCHEDULE				
FROM	TO	HEIGHT DIFF.	METHOD	
PM 60268	PM 24140	-4.758	STATIC GNSS	
PM 24140	SSM 204035	+4.278	STATIC GNSS	
SSM 204035	PM 60268	+0.480	STATIC GNSS	

Req: R746431 / Doc: DP 1256090 P / Rev: 10-Sep-2019 / NSW IRS / Pgs: ALL / Prt: 02-May-2022 11:57 / Seq: 1 of 5  
© Office of the Registrar-General / Src: INFOTRACK / Ref: Goulburn Street, INFOTRACKrulan



- (A) POSITIVE COVENANT (SITE)
- (B) EASEMENT TO DRAIN WATER 3 WIDE
- (D) EASEMENT TO DRAIN WATER 3-5 WIDE
- (E) EASEMENT TO DRAIN SEWAGE 3 WIDE & VARIABLE WIDTH
- (F) EASEMENT TO DRAIN WATER VARIABLE WIDTH
- (G) EASEMENT TO DRAIN SEWAGE 20 WIDE
- (J) EASEMENT TO DRAIN SEWAGE 3-5 WIDE
- (X) EASEMENT TO DRAIN SEWAGE 6 WIDE (DP642601)
- (Y) TO BE RELEASED

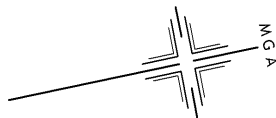
COORDINATE SCHEDULE							
MARK	M.G.A. CO-ORDINATES			CLASS	ORDER	METHOD	STATE
	EASTING	NORTHING					
PM 24140	774572.375	6154846.644	C	3	FROM SCIMS	FOUND	
PM 60267	773267.888	6154832.113	B	2	FROM SCIMS	FOUND	
PM 60268	774153.155	6154920.036	B	2	FROM SCIMS	FOUND	
PM 62772	774455.070	6154453.292	B	2	FROM SCIMS	FOUND	
SSM 204035	774190.9	6154513.3	U	U	CAD TRAV	PLACED	
DATE OF SCIMS COORDINATES: 25/6/2019 MGA ZONE: 55 MGA DATUM: GDA94							
COMBINED SCALE FACTOR 1.000422							

(U) LAND EXCLUDES MINERALS & IS SUBJECT TO RESERVATIONS & CONDITIONS IN FAVOUR OF THE CROWN - SEE CROWN GRANT.  
 (V) RESERVATIONS & CONDITIONS IN THE CROWN GRANT.  
 (W) LAND EXCLUDES MINERALS (S.171 CROWN LANDS ACT, 1989)

Surveyor: Brian Rawlinson Date of Survey: 27/6/2019 Surveyor's Ref: 23750N-1 Exemption No. 19/091	PLAN OF SUBDIVISION OF LOT 1 IN DP 221236 & LOT 1 DP 1136538	LG: GOULBURN MULWAREE Locality: MARULAN Subdivision No: SUB/0011/1819 Lengths are in metres. Reduction Ratio 1:4000	Registered  10.9.2019	<b>DP1256090</b>
--	--	--	-----------------------------	------------------

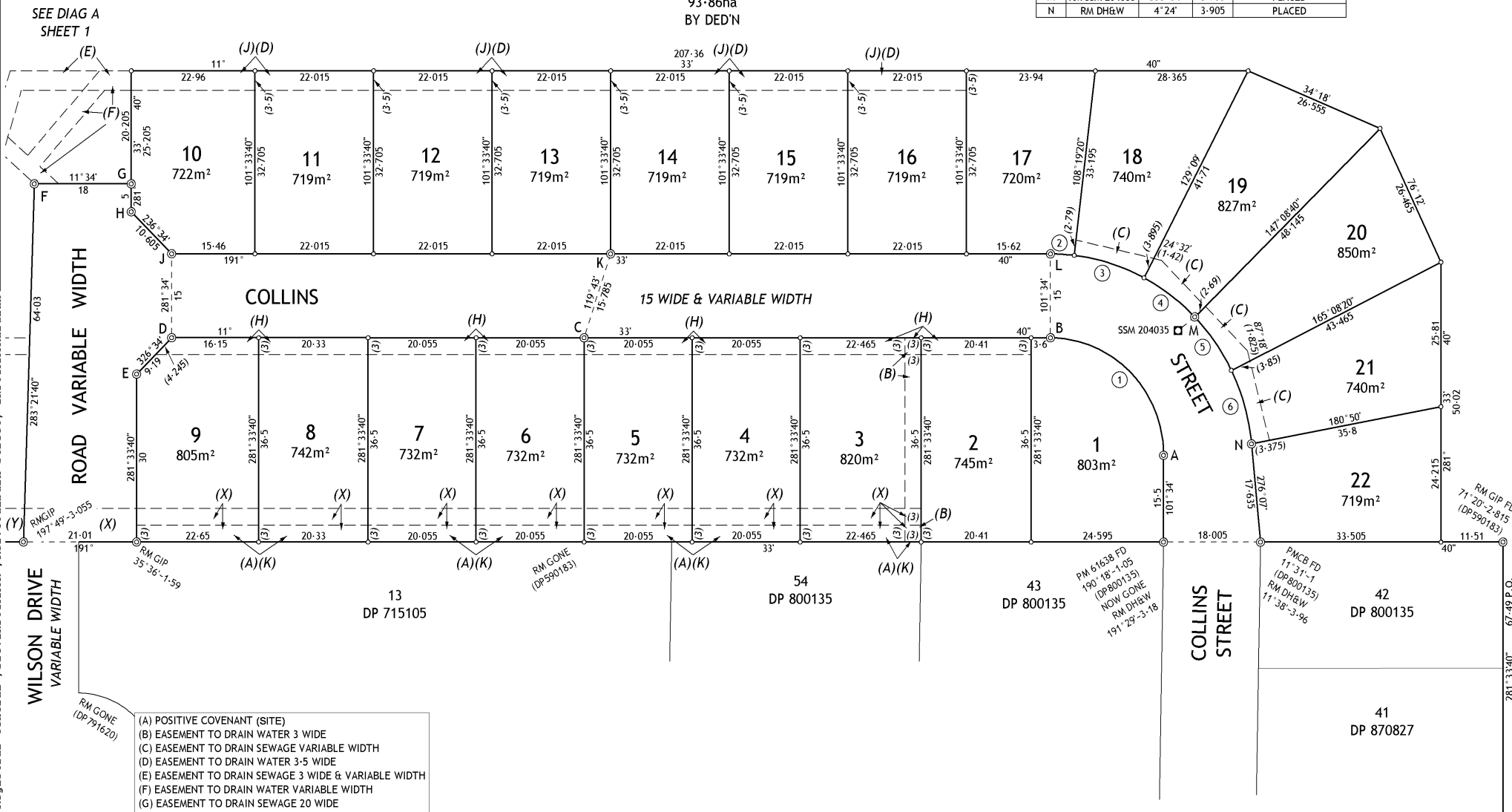


CURVED BOUNDARIES				
No.	BEARING	DISTANCE	ARC	RADIUS
1	56° 34'	29.695	32.985	20.995
2	194° 57'	4.425	4.425	37.5
3	208° 44'	13.56	13.63	37.5
4	228° 09'	11.73	11.78	37.5
5	246° 09'	11.73	11.78	37.5
6	265° 38'	13.655	13.73	37.5




REFERENCE TO CORNERS				
CNR	MARK	BEARING	DIST	COMMENT
A	RM DH&W	184° 22'	3.445	PLACED
B	RM DH&W	101° 32'	4.175	PLACED
C	RM DH&W	101° 37'	4.15	PLACED
D	RM DH&W	101° 40'	4.135	PLACED
E	RM DH&W	22° 06'	6.615	PLACED
F	RM GIP	305° 28'	0.57	PLACED
G	RM GIP	29° 36'	2.925	PLACED
H	RM DH&W	324° 23'	8.225	PLACED
J	RM DH&W	281° 30'	4.005	PLACED
K	RM DH&W	283° 27'	3.975	PLACED
L	RM DH&W	281° 42'	3.96	PLACED
M	RM SSM 204035	333° 04'	3.955	PLACED
N	RM DH&W	4° 24'	3.905	PLACED



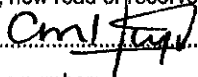
23  
93.86ha  
BY DED'N




Reg: R746431 / Doc: DP 1256090 P / Rev: 10-sep-2019 / NSW IRS / Pgs: ALL / Prt: 02-May-2022 11:57 / Seq: 2 of 5  
 © Office of the Registrar-General / Src: INFOTRACK / Ref: Goulburn Street, INFOTRACKarulan

- (A) POSITIVE COVENANT (SITE)
- (B) EASEMENT TO DRAIN WATER 3 WIDE
- (C) EASEMENT TO DRAIN SEWAGE VARIABLE WIDTH
- (D) EASEMENT TO DRAIN WATER 3-5 WIDE
- (E) EASEMENT TO DRAIN SEWAGE 3 WIDE & VARIABLE WIDTH
- (F) EASEMENT TO DRAIN WATER VARIABLE WIDTH
- (G) EASEMENT TO DRAIN SEWAGE 20 WIDE
- (H) EASEMENT TO DRAIN SEWAGE 3 WIDE
- (J) EASEMENT TO DRAIN SEWAGE 3-5 WIDE
- (K) EASEMENT TO DRAIN SEWAGE 3 WIDE
- (X) EASEMENT TO DRAIN SEWAGE 6 WIDE (DP642601)
- TO BE RELEASED

Surveyor: Brian Rawlinson Date of Survey: 27/6/2019 Surveyor's Ref: 23750N-1 Exemption No. 19/091	PLAN OF SUBDIVISION OF LOT 1 IN DP 221236 & LOT 1 DP 1136538	LGA: GOULBURN MULWAREE Locality: MARULAN Subdivision No SUB/0011/1819 Lengths are in metres. Reduction Ratio 1:500	Registered  10.9.2019	<b>DP1256090</b>
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PLAN FORM 6 (2017)	DEPOSITED PLAN ADMINISTRATION SHEET	Sheet 1 of 3 sheet(s)
Registered:  10.9.2019 Title System: TORRENS	Office Use Only <div style="text-align: center; font-size: 2em; font-weight: bold;">DP1256090</div>	
<b>PLAN OF SUBDIVISION OF LOT 1 IN DP 221236 &amp; LOT 1 IN DP 1136538</b>	LGA: GOULBURN MULWAREE Locality: MARULAN Parish: MARULAN County: ARGYLE	
<p style="text-align: center;"><b>Survey Certificate</b></p> I, Brian Rawlinson..... of P.O. Box 142, Goulburn, NSW, 2580 (Ph 0248221366) ..... a surveyor registered under the <i>Surveying and Spatial Information Act 2002</i> , certify that: <del>*(a) The land shown in the plan was surveyed in accordance with the Surveying and Spatial Information Regulation 2017, is accurate and the survey was completed on .....</del> *(b) The part of the land shown in the plan (*being/*excluding **Lots 1 to 22 & connections .....) was surveyed in accordance with the <i>Surveying and Spatial Information Regulation 2017</i> , the part surveyed is accurate and the survey was completed on, ...27/6/2019. The part not surveyed was compiled in accordance with that Regulation, or <del>*(c) The land shown in this plan was compiled in accordance with the Surveying and Spatial Information Regulation 2017.</del> Datum Line: PM 60267 ~ PM 60268 Type: *Urban/*Rural The terrain is *Level-Undulating / *Steep-Mountainous. Signature:  Dated: 6/9/19..... Surveyor Identification No: 8464..... Surveyor registered under the <i>Surveying and Spatial Information Act 2002</i> *Strike out inappropriate words. **Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey.	<p style="text-align: center;"><b>Crown Lands NSW/Western Lands Office Approval</b></p> <p style="text-align: center;"><del>I, ..... (Authorised Officer) in approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given.</del></p> Signature: ..... Date: ..... File Number: ..... Office: .....	
Plans used in the preparation of survey/compilation. DP 1136538 DP 800135 DP 791620 DP 715105 DP 642601 DP 221236	<p style="text-align: center;"><b>Subdivision Certificate</b></p> I, <u>CHRIS HARGOOD</u> ..... *Authorised Person/* General Manager/* Accredited Certifier, certify that the provisions of s.109J of the <i>Environmental Planning and Assessment Act 1979</i> have been satisfied in relation to the proposed subdivision, new road or reserve set out herein. Signature:  ..... Accreditation number: ..... Consent Authority: <u>GOULBURN MULWAREE COUNCIL</u> Date of endorsement: <u>06/09/2019</u> Subdivision Certificate number: <u>SUB/0011/1819</u> File number: <u>DA/0230/1718</u> *Strike through if inapplicable.	
Surveyor's Reference: 23750N-1 Exemption No.19/091	Statements of intention to dedicate public roads, create public reserves and drainage reserves, acquire/resume land. IT IS INTENDED TO DEDICATE COLLINS STREET EXTENSION & ROAD VARIABLE WIDTH TO THE PUBLIC AS ROAD Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A	

**PLAN FORM 6A (2017) DEPOSITED PLAN ADMINISTRATION SHEET** Sheet 2 of 3 sheet(s)

<p style="text-align: right;">Office Use Only</p> <p><b>Registered:</b>  10.9.2019</p> <p><b>PLAN OF SUBDIVISION OF LOT 1 IN DP 221236 &amp; LOT 1 IN DP 1136538</b></p> <p>Subdivision Certificate number: <u>SUB/0011/1920</u>.....                  Date of Endorsement: <u>06/09/2019</u>.....</p>	<p style="text-align: right;">Office Use Only</p> <p style="font-size: 2em; text-align: center;"><b>DP1256090</b></p> <p>This sheet is for the provision of the following information as required:</p> <ul style="list-style-type: none"> <li>• A schedule of lots and addresses - See 60(c) SSI Regulation 2017</li> <li>• Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919</li> <li>• Signatures and seals- see 195D Conveyancing Act 1919</li> <li>• Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.</li> </ul>
---	---

PURSUANT TO SECTION 88B OF THE CONVEYANCING ACT 1919, AS AMENDED, IT IS INTENDED TO CREATE:

- (1) POSITIVE COVENANT
- (2) EASEMENT TO DRAIN WATER 3 WIDE
- (3) EASEMENT TO DRAIN SEWAGE VARIABLE WIDTH
- (4) EASEMENT TO DRAIN WATER 3.5 WIDE
- (5) EASEMENT TO DRAIN SEWAGE 3 WIDE & VARIABLE WIDTH
- (6) EASEMENT TO DRAIN WATER VARIABLE WIDTH
- (7) EASEMENT TO DRAIN SEWAGE 20 WIDE
- (8) POSITIVE COVENANT
- (9) POSITIVE COVENANT
- (10) RESTRICTION ON THE USE OF LAND
- (11) EASEMENT TO DRAIN SEWAGE 3 WIDE
- (12) EASEMENT TO DRAIN SEWAGE 3-5 WIDE
- (13) EASEMENT TO DRAIN SEWAGE 3 WIDE

TO RELEASE


- (1) EASEMENT TO DRAIN SEWAGE 6 WIDE (DP642601) - DESIGNATED (X)

LOT	STREET NUMBER	STREET NAME	STREET TYPE	LOCALITY
1	24	COLLINS	STREET	MARULAN
2	26	COLLINS	STREET	MARULAN
3	28	COLLINS	STREET	MARULAN
4	30	COLLINS	STREET	MARULAN
5	32	COLLINS	STREET	MARULAN
6	34	COLLINS	STREET	MARULAN
7	36	COLLINS	STREET	MARULAN
8	38	COLLINS	STREET	MARULAN
9	40	COLLINS	STREET	MARULAN
10	39	COLLINS	STREET	MARULAN
11	37	COLLINS	STREET	MARULAN
12	35	COLLINS	STREET	MARULAN
13	33	COLLINS	STREET	MARULAN
14	31	COLLINS	STREET	MARULAN
15	29	COLLINS	STREET	MARULAN
16	27	COLLINS	STREET	MARULAN
17	25	COLLINS	STREET	MARULAN
18	23	COLLINS	STREET	MARULAN
19	21	COLLINS	STREET	MARULAN
20	19	COLLINS	STREET	MARULAN
21	17	COLLINS	STREET	MARULAN
22	15	COLLINS	STREET	MARULAN


If space is insufficient use additional annexure sheet


Surveyor's Reference: 23750N-1 Exemption No.19/091

PLAN FORM 6A (2017) DEPOSITED PLAN ADMINISTRATION SHEET Sheet 3 of 3 sheet(s)

Registered:  10.9.2019	Office Use Only	Office Use Only
PLAN OF SUBDIVISION OF LOT 1 IN DP 221236 & LOT 1 IN DP 1136538	DP1256090	
Subdivision Certificate number: <u>SUB/0011/1920</u> Date of Endorsement: <u>06/09/2019</u>		
This sheet is for the provision of the following information as required: <ul style="list-style-type: none"><li>• A schedule of lots and addresses - See 60(c) SSI Regulation 2017</li><li>• Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919</li><li>• Signatures and seals- see 195D Conveyancing Act 1919</li><li>• Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.</li></ul>		

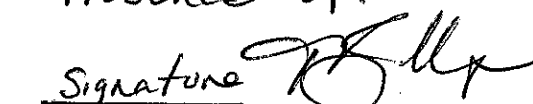
Executed BY Marulan Estates Pty Ltd ACN 113 187 778 by its attorney Bentley Cottle who declares that he has no notice of revocation of and has complied with all the conditions of Power of Attorney dated 4 December 2018 Registered Book 4754 No. 431 pursuant to which this document is properly and lawfully executed in the presence of:

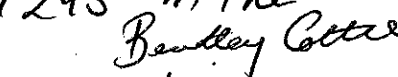
  
Signature of witness

  
Signature of Attorney

Timothy Bainbridge  
Print Full Name (BLOCK LETTERS)  
36 Hurlingham Ave, Burradoo  
Address

Executed by Darraby Pty Ltd ACN 153 183 012 mortgagee under Registered Mortgage AN951295 in the Presence of:

  
OFFICE: Secretary  
Name Timothy Bainbridge  
If space is insufficient use additional annexure sheet

  
Signature  
Name: Bentley Cottle

office: DIRECTOR

Req:R3336051 /Doc:DP 0642601 P /Rev:05-Jan-1993 /Sts:OK,OK /Pgs:ALL /Prt:10-Sep-2017 14:41 /Seq:1 of 1  
Ref:marulan /Sec:M

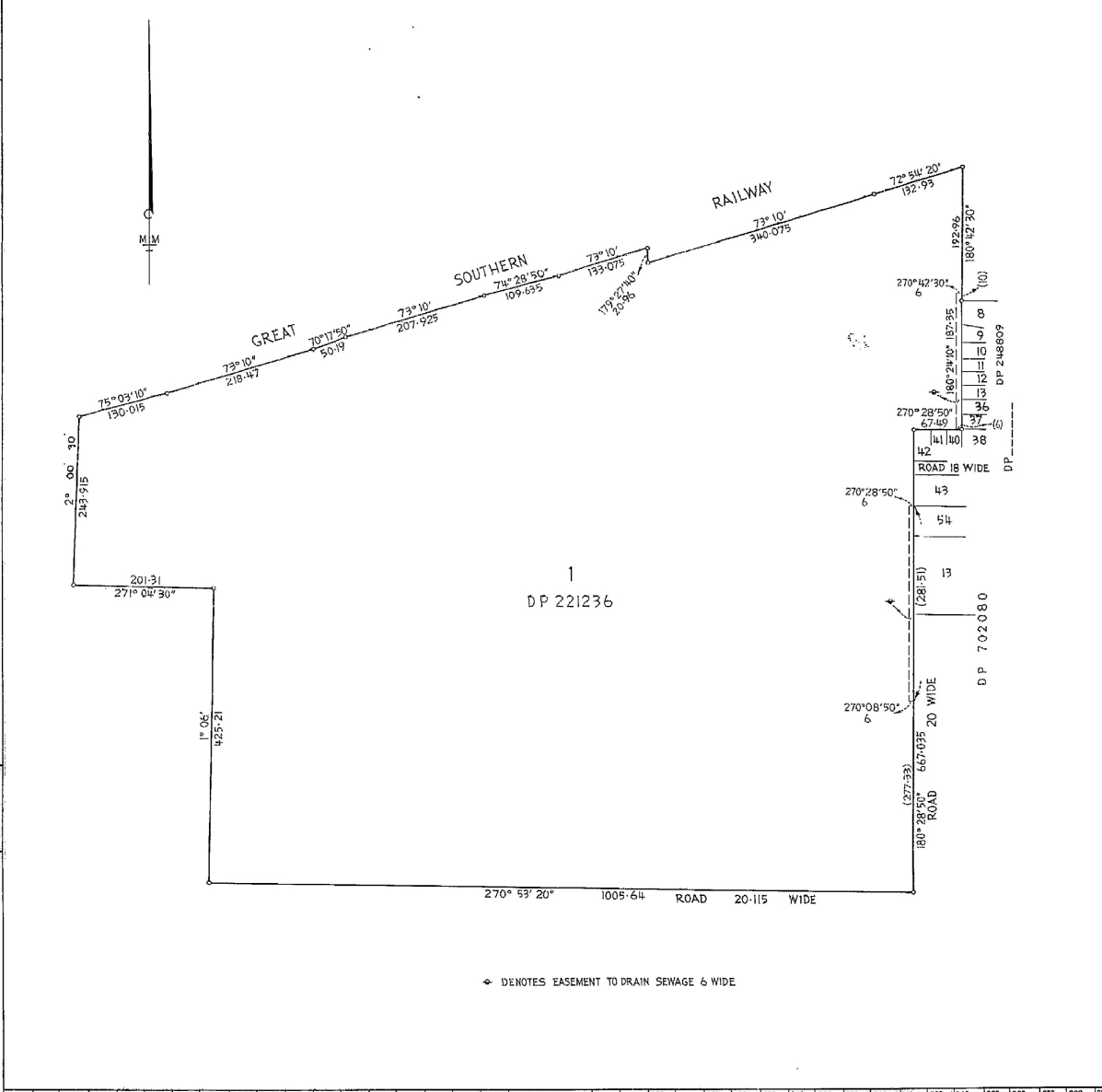
PLAN FORM 2

Plan Drawing only to appear in this space

OFFICE USE ONLY

SIGNATURE AND SEALS ONLY.

*Eileen Simonovic*  
*R Simonovic*



Crown Lands Office Approval

PLAN APPROVED .....  
Authorized Officer .....

Land District .....

Paper No. ....

Field Book ..... pages .....

Council Clerk's Certificate

I hereby certify that -

(a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans), and

(b) the requirements of section 340 of the Metropolitan Water, Sewerage and Drainage Act, 1924, as amended, 1 Honor District Water, Sewerage, and Drainage Act, 1928, as amended

have been complied with by the applicant in relation to the proposed .....  
"new road", "subdivision" or "consolidated lot" set out herein

Submission No. ....

Date .....

(Signature) .....

Council Clerk

Council File No. ....

\*This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly outside the areas of operations of the Metropolitan Water, Sewerage and Drainage Board and the Hunter District Water Board.  
† Delete if inapplicable.

DP 642601

Registered: JJ 15 9 1989 *ms*

C.A.: .....

Title System: TORRENS

Purpose: EASEMENT

Ref. Map: PARISH

Last Plan: D.P. 221236 #

PLAN OF EASEMENT TO DRAIN SEWAGE LOT 1 DP221236

Lengths are in metres. Reduction Ratio 1:4000

Mun./Shire MULWAREE  
City: .....

Locality: MARULAN

Parish: MARULAN

County: ARCYLE

This is sheet 1 of my plan in sheets.  
(Delete if inapplicable).

I, ANDREW OWEN SMITH .....  
of R.J. KELL & CO. GOLDBURN (R.S. 2358),  
FAX 048 217236  
a surveyor registered under the Surveyors Act, 1920, as amended, hereby certify that the survey represented in this plan .....  
is accurate and has been made in accordance with the Survey Practice Regulations, 1923 and any amended requirements of the Department of Lands, and was completed on .....  
# 24-2-89 /  
Signature .....  
Surveyor registered under Surveyors Act, 1920, as amended.  
Dated: 15th of February, 1989.  
Eminent date of survey.

Plans used in preparation of survey/compilation:  
DP 221236  
DP 702080  
DP 248809

PANEL FOR USE ONLY for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

PURSUANT TO SECTION 88B OF THE CONVEYANCING ACT 1919 IT IS INTENDED TO CREATE:-  
EASEMENT TO DRAIN SEWAGE 6 WIDE

Y 10 010 1 B

SURVEYORS REFERENCE: 10573 MPD

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

This negative is a photograph made as a permanent record of a document in the custody of the Registrar General this day, 19th September, 1989

10 20 30 40 50 60 70 Table of mm 110 120 130 140

Form 2 — This form must NOT be used where any Dedication, Drainage Reserve or Public Garden and Recreation Space is provided. — See Form 3. WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION.

For Grant and Title details see back of plan

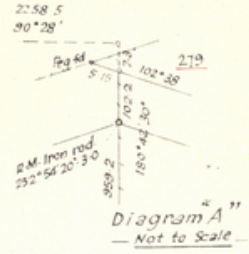
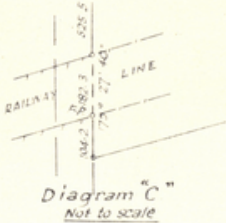
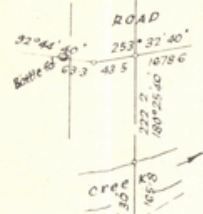
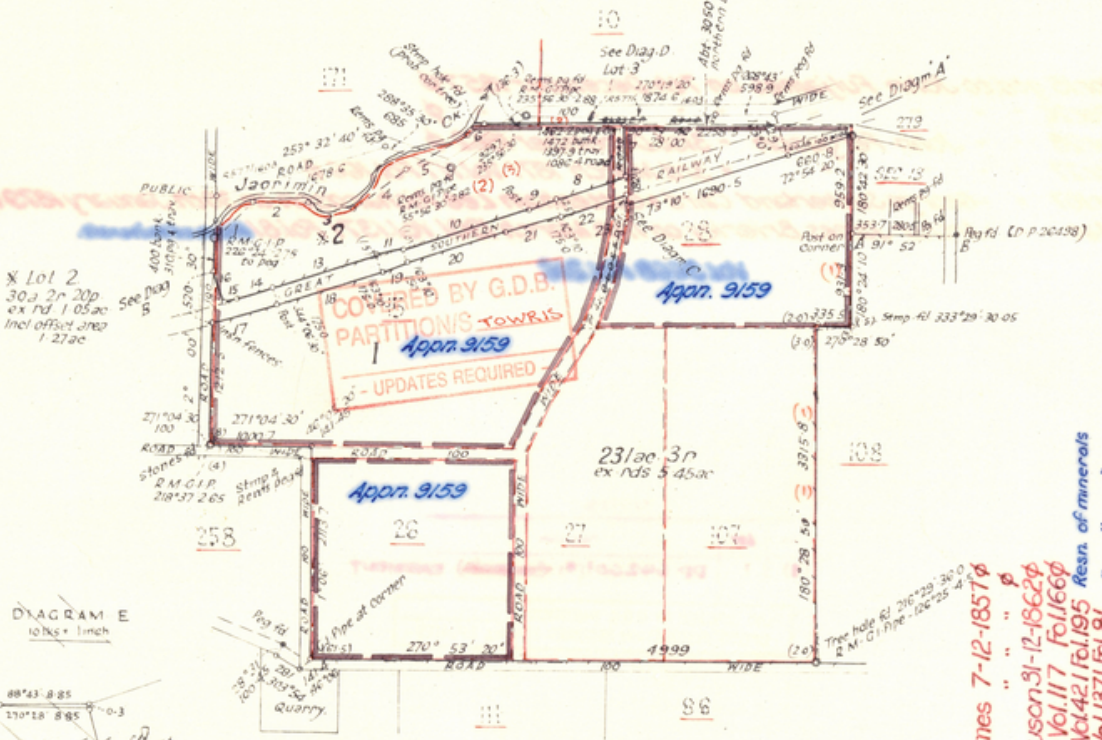


Diagram B  
Not to scale

Diagram C  
Not to scale

Diagram A  
Not to scale



\* Lot 2  
30a 2r 20p  
ex rd 1.05ac  
Incl offset area  
1.27ac

DIAGRAM E  
10kts x 1inch

TRAVERSE

1	46° 24'	520.9	17	75° 03' 40"	646.3
2	91° 03' 30"	548.9	18	79° 10'	1086.0
3	98° 22'	429.0	19	70° 17' 50"	249.5
4	53° 23'	620.2	20	73° 10'	1033.6
5	61° 34'	684.7	21	74° 28' 50"	545.0
6	56° 06'	189.8	22	73° 10'	661.5
7	179° 27' 40"	525.5	23	179° 27' 40"	104.2
8	253° 10'	712.05			
9	250° 38'	252.7			
10	253° 10'	1290.1			
11	250° 02' 10"	249.5			
12	253° 10'	1083.1			
13	251° 36' 30"	355.45			
14	254° 11' 20"	142.9			
15	346° 02'	345.95			
16					

PA-9159 { Pt. Por. 15 John Fuljames 7-12-1857  
Por. 26 " " " " " "  
Pt. Por. 28 John Ferguson 31-12-1862  
Por. 27 3-3-1871 - Vol. 117 Fol. 166p  
" 107 30-1-1879 Vol. 421 Fol. 195 Resn. of minerals  
Pt. 4ac. 11-3-1901 Vol. 1371 Fol. 81  
Vol. 5668 Fol. 216

DP221236

Registered: 26/11/95  
C.A. 346 of 23/1/64  
Title System: Torrens  
Purpose: Subdivision  
Ref. Map: Parish  
Last Plan: do

PLAN OF  
subdivision of Pars 26, 27, 107 and  
part Pars 15 and 28 and closed  
roads  
Part of land in C.T Vol 5668  
Fol. 216

Scale: 10 chains to an inch

Mem. Shire  
City: Mulwara  
Locality: Manulan  
Parish: Manulan  
County: Angyle

I, Edmund Charles Pearce  
of P.O. Box 142, Goulburn  
a surveyor registered under the Surveyors Act, 1929 as amended,  
hereby certify that the survey represented in this plan  
is accurate and has been made by me or by a duly  
qualified and licensed surveyor in accordance with the Surveyors  
Regulations, 1922, and was completed on 1.23.12.63  
Signature: E.C. Pearce  
Surveyor registered under Surveyors Act, 1929 as amended  
District of Ashmole A-B

Statements of Proposed Easements  
**COVERED BY G.D.B. PARTITIONS TOWNSHIP - UPDATES REQUIRED -**



Approved by Council: I hereby certify that the requirements of the Local Government Act, 1919 (other than the requirements for registration of plans) have been complied with by the applicant in relation to the proposed subdivision set out herein.  
Subdivision No. 346 Date 23-1-64  
Council Clerk: [Signature]

For A.D.P. calculations see D.P. minute papers

For all signatures seals and approvals see original linen plan

WARNING: Plan Drawing only to appear in this space.

WARNING: Plan Drawing only to appear in this space.

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



09927109

NEW SOUTH WALES  
 Application No. 9159 (part)



ID [redacted] 1st Edition issued 16-2-1965

9927 Fol. 109 (Page 1) Vol.

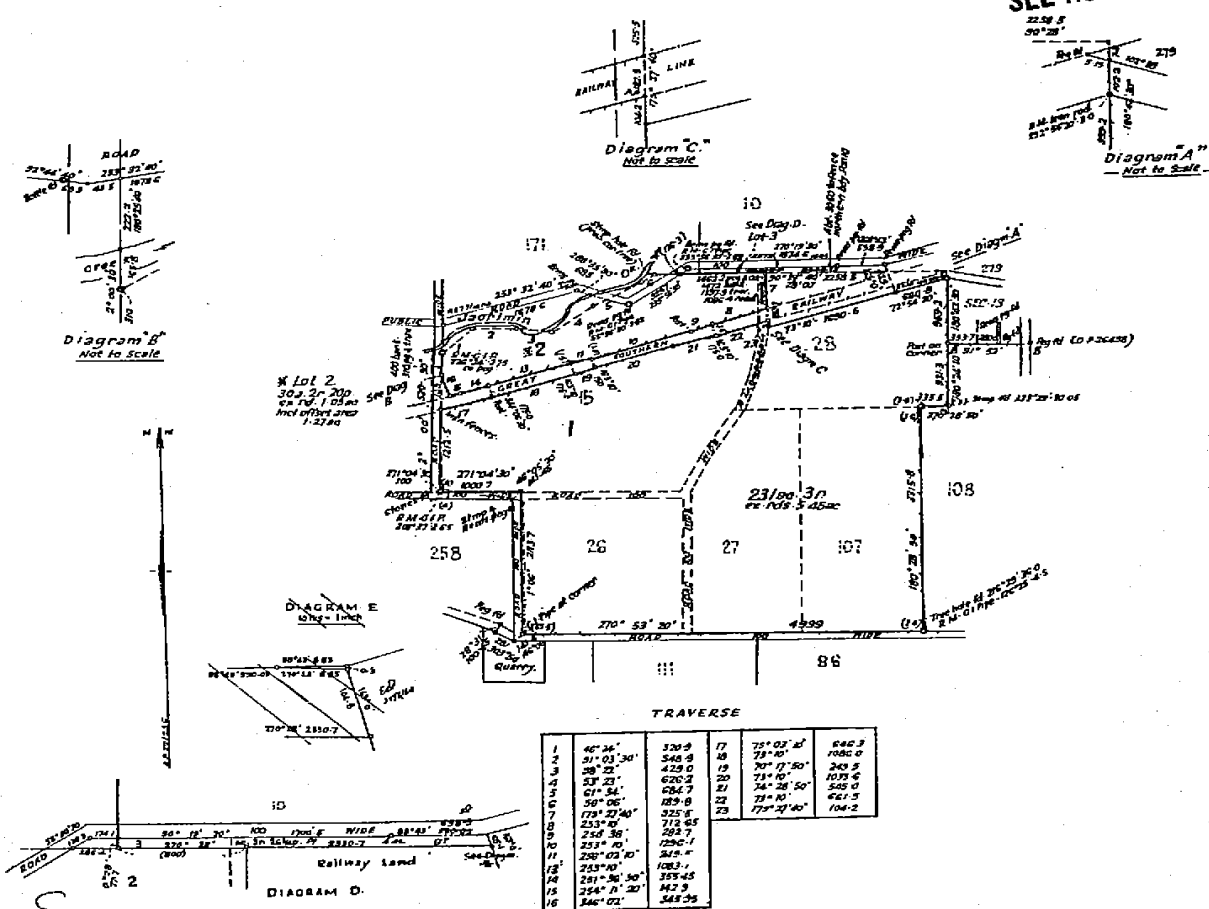
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

Witness *Aboken*

*JANELL*  
 Registrar General.



PLAN SHOWING LOCATION OF LAND



SEE AUTO FOLIO

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

**ESTATE AND LAND REFERRED TO**

Estate in Fee Simple in Lot 1 in Deposited Plan 221236 at Marulan in the Shire of Mulwaree Parish of Marulan and County of Argyle being the land set out in the Schedule of Grants hereunder Excepting thereout the roads shown in the plan hereon and the minerals reserved by the Crown Grants of Portion 107 and 4 acres.

SCHEDULE OF GRANTS.

Number of Portion	Name Of Grantee	Date of Grant	Grant Reference Volume	Folio
Part 15	John Fuljames	7 - 12 - 1857	-	-
26	John Fuljames	7 - 12 - 1857	-	-
Part 28	John Ferguson	31 - 12 - 1862	-	-
27	-	3 - 3 - 1871	117	166
107	-	30 - 1 - 1879	421	195
Part 4 acres	-	11 - 3 - 1901	1371	81

FIRST SCHEDULE (continued overleaf)

[redacted]

*Jawatson*  
 Registrar General

SECOND SCHEDULE (continued overleaf)

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

*Jawatson*  
 Registrar General

J651180  
 410885 to  
 - 55 M.R.  
 8583615  
 5-67  
 5802644 M  
 T929558

FIRST SCHEDULE (continued)

REGISTERED PROPRIETOR	INSTRUMENT			ENTERED	Signature of Registrar General
	NATURE	NUMBER	DATE		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Jackson
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

SECOND SCHEDULE (continued)

NATURE	INSTRUMENT		PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION	
	NUMBER	DATE					
Mortgage	R410885		to Geoffrey Leonard Edwards of Tarlo, Pensioner in $\frac{1}{2}$ share and Olive Mary Orford of Dalmeny, Married Woman in $\frac{1}{2}$ share, tenancy in common.	10-9-1979	[Signature]	Discharged	583615 [Signature]
<del>3802644</del>	<del>Mortgage</del>	<del>to The Commercial Bank of Australia Limited. Registered 27-11-1981</del>	<del></del>	<del></del>	<del>[Signature]</del>	<del>Discharged</del>	<del>582644 5829558 [Signature]</del>

**CANCELLED**  
 SEE AUTO FOLIO

Vol. 9927 Fol 109

(Page 2 of 2 pages)





SEARCH DATE

2/5/2022 11:35AM

FOLIO: 1/221236

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

Prior Title(s): VOL 9927 FOL 109

Recorded	Number	Type of Instrument	C.T. Issue
4/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
28/4/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
19/9/1989	DP642601	DEPOSITED PLAN	EDITION 1
8/9/2003	9950814	CAVEAT	
24/5/2004	AA652388	TRANSFER	
24/5/2004	AA652389	MORTGAGE	EDITION 2
3/6/2004	AA687733	DEPARTMENTAL DEALING	
7/6/2005	AB535205	CAVEAT	
16/6/2005	AB551545	CAVEAT	
20/6/2005	AB562626	WITHDRAWAL OF CAVEAT	
20/6/2005	AB562628	DISCHARGE OF MORTGAGE	
20/6/2005	AB562629	CHANGE OF NAME	
20/6/2005	AB562630	MORTGAGE	EDITION 3
13/7/2005	AB619217	CAVEAT	
3/2/2006	AC91601	WITHDRAWAL OF CAVEAT	
3/2/2006	AC91602	DISCHARGE OF MORTGAGE	
3/2/2006	AC91603	TRANSFER	EDITION 4
1/3/2006	AC148469	CAVEAT	
17/5/2006	AC312595	WITHDRAWAL OF CAVEAT	
27/2/2009	AE527117	CAVEAT	
2/3/2009	AE529166	CAVEAT	
5/3/2009	AE535628	CAVEAT	
5/3/2009	AE537628	WITHDRAWAL OF CAVEAT	

END OF PAGE 1 - CONTINUED OVER

SEARCH DATE

2/5/2022 11:35AM

FOLIO: 1/221236

PAGE 2

Recorded	Number	Type of Instrument	C.T. Issue
1/4/2009	AE582034	REQUEST	
1/4/2009	AE582035	REQUEST	
9/4/2009	AE604597	REQUEST	
9/4/2009	AE604598	REQUEST	
24/7/2009	AE848509	WITHDRAWAL OF CAVEAT	
24/7/2009	AE848510	WITHDRAWAL OF CAVEAT	
24/7/2009	AE545283	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
24/7/2009	AE545284	APPLICATION FOR PREPARATION OF LAPSING NOTICE	
25/6/2010	AF583023	CHANGE OF NAME	EDITION 5
5/11/2010	AF858365	CHANGE OF NAME	EDITION 6
16/2/2012	AG805077	LEASE	EDITION 7
18/12/2013	AI252761	DEPARTMENTAL DEALING	
21/12/2018	AN951295	MORTGAGE	EDITION 8
2/9/2019	AP479582	REQUEST	
10/9/2019	DP1256090	DEPOSITED PLAN	FOLIO CANCELLED RESIDUE REMAINS

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

Form: 01T  
Release: 2  
www.lpi.nsw.gov.au

①

# TRANSFER

New South Wales  
Real Property Act 1900



## AA652388D

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

### STAMP DUTY

Office of State Revenue use only	
CLIENT No. 1466249	Stamp No. 23
STAMP DUTY \$2.00	Stamp Date 13 MAY 2004
TRANSACTION NO. 1961307	

(A) [Redacted]

### (B) LODGED BY

Delivery Box	Name, Address or DX and Telephone	CODES
35D	MORRIS, HAYES & EDGAR DX 420 SYDNEY PH: 9232-2411 AGENTS FOR Reference: 85 8331 HICKEY	T TW (Sheriff)

(C) [Redacted]

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of \$ 3,250,000.00 and as regards

(E) **ESTATE** the land specified above transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED** \_\_\_\_\_

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

(H) [Redacted]

**TENANCY:** \_\_\_\_\_

(J) **DATE** 9 13<sup>th</sup> May 2004

I certify that the person(s) signing opposite, with whom I am personally acquainted or as to whose identity I am otherwise satisfied, signed this instrument in my presence.

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

Signature of witness: *[Signature]*

Name of witness: EDGAR RODNEY SMITH

Address of witness: 146 TOWNVIEW RD  
MOUNT PRITCHARD  
2170

Signature of transferor: *[Signature]*

*[Signature]*

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

Signature: *[Signature]*

Signatory's name: KARL A BURNETT

Signatory's capacity: transferee's solicitor

All handwriting must be in block capitals.

*[Handwritten Signature]*

# STATUTORY DECLARATION

AA652388

I, KARL ALEXANDER BURNETT of Suite 401 Level 4, Westfield Tower, 600 Kingsway Miranda 2228 in the State of New South Wales, solicitor, do solemnly and sincerely declare as follows:-

1. I act for Tailored Property (Wilson Drive) Pty Ltd (formerly known as Wilsons Drive Pty Ltd) who entered into a Contract for Sale of Land dated 1<sup>st</sup> July 2003 to purchase the land known as 94 Wilsons Drive Marulan and I attach a copy of the front page of this contract marked "A".
2. Annexed hereto and marked "B" is a copy of an ASIC search verifying the change of name which I obtained from our legal searchers.
3. As indicated in the said ASIC search, the company Tailored Property (Wilson Drive) Pty Ltd was formerly known as Wilsons Drive Pty Ltd.
4. The purchaser described in the contract between Radoljub Simonovic & Zivojin Somonovic as vendor and Wilsons Drive Pty Ltd as the purchaser is the same company and is identical with Tailored Property (Wilsons Drive) Pty Ltd.

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

Declared this 3<sup>rd</sup> day )  
of May 2004 )  
at Miranda )  
before me: )

.....  
*K. Burnett*  
.....

.....  
*R. Mackinnon*  
Justice of the Peace 9700242



**ASIC**  
Australian Securities and Investments Commission

**National Names Index**  
Index of corporate and business names

SEARCH TIPS

2 names found (\* indicates former name)

Number	Status	Name
ACN 105 330 167	REGD	*WILSONS DRIVE PTY LTD
ACN 105 330 167	REGD	TAILORED PROPERTY (WILSON DRIVE) PTY LTD

END OF LIST

SEARCH /

To purchase further information about companies, contact our Information brokers.

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To give us your comments send feedback to [netsearch@asic.gov.au](mailto:netsearch@asic.gov.au).

*1 NS is the 11/2/2011  
of Karl Berne H. swann before me on 3/5/04  
R. H. H. H. H.*

Form: 01T  
Release: 2.1  
www.lpi.nsw.gov.au

# TRANSFER

New South Wales  
Real Property Act 1900



## AC91603C

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

### STAMP DUTY

Office of State Revenue use only	NEW SOUTH WALES DUTY 22-12-2005 0003181278-00 SECTION 18(2) DUTY \$ *****2 00
----------------------------------	--

(A) [Redacted] and 3/517713

(B) <b>LODGED BY</b> Delivery Box <u>42G</u>	Name, Address or DX and Telephone <u>Spencer Melmore</u> <u>Lvl 16, 321 Kent street</u> <u>SYDNEY NSW 2000</u> Reference: <u>AUG762/2 #17706425</u>	<b>CODES</b> <u>T</u> <u>TW</u> (Sheriff)
--	---	--

(C) T [Redacted] R

(D) **CONSIDERATION** The transferor acknowledges receipt of the consideration of \$ 10,942,282.91 and as regards

(E) **ESTATE** the land specified above transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED** \_\_\_\_\_

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

(H) [Redacted]

(I) **TENANCY:** \_\_\_\_\_

(J) **DATE** 21st December 2005

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: MARULAN ESTATES LTD  
 Authority: SECTION 127 CORPORATIONS ACT 2001

Signature of authorised person: [Signature]  
 Name of authorised person: Gary Punch  
 Office held: DIRECTOR

Signature of authorised person: [Signature]  
 Name of authorised person: MATT DANIEL  
 Office held: DIRECTOR

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

Signature: [Signature]  
 Signatory's name: LEON GEORGE SAKARIS  
 Signatory's capacity: transferee's solicitor

Change of name seen, see ASIC note p.31

Form: 10CN  
Release: 3.0  
www.lpma.nsw.gov.au

# CHANGE OF NAME

New South Wales  
Real Property Act 1900



## AF858365T

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

(A) [REDACTED] 1/1136538, 2/1136538, [REDACTED], 3/517713

(B) REGISTERED DEALING  
Number \_\_\_\_\_ Torrens Title \_\_\_\_\_

(C) LODGED BY  

Document Collection Box <b>7450</b>	Name, Address or DX, Telephone, and Customer Account Number if any <b>NORTON ROSE 130747N</b>	CODE <b>CN</b>
Reference: <b>MBB: 2680192 [6532713]</b>		

(D) [REDACTED] Whose name is to be changed; show the name as it currently appears on the folio of the Register  
[REDACTED]

(E) [REDACTED] Of the above registered proprietor in full  
[REDACTED]

(F) The registered proprietor(s) of the above land \_\_\_\_\_ applies to have its new name recorded in the Register in respect of that land \_\_\_\_\_

(G) **STATUTORY DECLARATION BY THE APPLICANT\***

I, Helen Jane Kirby  
solemnly and sincerely declare that—

- I am a director of Marulan Estates Pty Ltd
- With effect from 23 September 2010, the registered proprietor changed its name as shown in the Certificate of Registration of Change of Name attached as Annexure A.

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

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

Made and subscribed at SYDNEY in the State of New South Wales  
on 21 OCTOBER 2010 in the presence of—

Signature of witness: [Signature] Signature of applicant: [Signature]  
 Name of witness: OWEN SIDNEY BEATTIE JP 10600 HSK  
 Address of witness: 37 HAY STAGES  
WEST RYDE NSW 2114

Qualification of witness:  Justice of the Peace  Practising Solicitor  Other qualified witness [specify] \_\_\_\_\_

\* As the Land and Property Management Authority may not be able to provide the services of a justice of the peace or other qualified witness, the statutory declaration should be signed and witnessed prior to lodgment.

(H) This section is to be completed where a notice of sale is required and the relevant data has been forwarded to LPMA through eNOS.  
The applicant certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. [REDACTED] Full name: \_\_\_\_\_ Signature: \_\_\_\_\_

PRICEWATERHOUSECOOPERS  
Darling Park Tower 2  
201 Sussex Street  
SYDNEY NSW 2000

Remove this top section if desired before framing



# Certificate of Registration on Change of Name



This is to certify that

**AUDLEY PTY LIMITED**

**Australian Company Number 113 187 778**

did on the thirteenth day of October 2010 change its name to

**MARULAN ESTATES PTY LIMITED**

**Australian Company Number 113 187 778**

The company is a proprietary company.

The company is limited by shares.

The company is registered under the Corporations Act 2001 and is taken to be registered in New South Wales and the date of commencement of registration is the second day of March, 2005.

Issued by the  
Australian Securities and Investments Commission  
on this thirteenth day of October, 2010.

Anthony Michael D'Aloisio  
Chairman

CERTIFICATE





SEARCH DATE

2/5/2022 11:29AM

FOLIO: 23/1256090

First Title(s): THIS FOLIO OLD SYSTEM
VOL 117 FOL 166 VOL 421 FOL 195
VOL 1371 FOL 81

Prior Title(s): 1/221236 1/1136538

Table with 4 columns: Recorded, Number, Type of Instrument, C.T. Issue. Row 1: 10/9/2019, DP1256090, DEPOSITED PLAN, FOLIO CREATED EDITION 1

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



FOLIO: 23/1256090

SEARCH DATE	TIME	EDITION NO	DATE
2/5/2022	11:28 AM	1	10/9/2019

LAND

LOT 23 IN DEPOSITED PLAN 1256090

AT MARULAN  
LOCAL GOVERNMENT AREA GOULBURN MULWAREE  
PARISH OF MARULAN COUNTY OF ARGYLE  
TITLE DIAGRAM DP1256090

FIRST SCHEDULE

MARULAN ESTATES PTY LTD

SECOND SCHEDULE (9 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S) WITHIN THE PART(S) SHOWN SO INDICATED IN THE TITLE DIAGRAM
- 2 LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND CONDITIONS IN FAVOUR OF THE CROWN WITHIN THE PART(S) SHOWN SO INDICATED IN THE TITLE DIAGRAM - SEE CROWN GRANT
- 3 LAND EXCLUDES MINERALS (S.171 CROWN LANDS ACT 1989) WITHIN THE PART SHOWN SO INDICATED IN THE TITLE DIAGRAM
- 4 DP642601 EASEMENT TO DRAIN SEWAGE 6 WIDE AFFECTING THE PART OF THE LAND ABOVE DESCRIBED SHOWN SO BURDENED IN THE TITLE DIAGRAM  
~~DP1256090 EASEMENT RELEASED IN SO FAR AS IT AFFECTS LOTS 3 - 9 & ROAD VARIABLE WIDTH DESIGNATED (X) IN DP1256090~~
- 5 AN951295 MORTGAGE TO DARRABY PTY LTD
- 6 DP1256090 EASEMENT TO DRAIN SEWAGE 3 METRE(S) WIDE AND VARIABLE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 7 DP1256090 EASEMENT TO DRAIN WATER VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 8 DP1256090 EASEMENT TO DRAIN SEWAGE 20 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 9 DP1256090 POSITIVE COVENANT REFERRED TO AND NUMBERED (9) IN THE S.88B INSTRUMENT

Easements  
not affecting  
subject land

NOTATIONS

UNREGISTERED DEALINGS: NIL

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

Goulburn Street, Marulan

PRINTED ON 2/5/2022

\* 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. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.



Goulburn Mulwaree Council  
Locked Bag 22  
Goulburn NSW 2580

Civic Centre  
184 - 194 Bourke Street  
Goulburn NSW 2580  
t (02) 4823 4444  
e council@goulburn.nsw.gov.au  
www.goulburn.nsw.gov.au

Contact: Planning & Environment

Douglas Partners  
Po Box 1497  
FYSHWICK NSW 2620

## **SECTION 10.7 (2) PLANNING CERTIFICATE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979**

**Receipt No.:** 349744  
**Applicant's Reference:** 88505.07  
**Certificate No:** PLAN/1344/2122

### **DESCRIPTION OF PROPERTY**

**Address:** Wilson Drive MARULAN NSW 2579  
**Legal Description:** Lot 23 DP 1256090 Parish Marulan

### **1 Names of relevant planning instruments and DCP's**

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

#### **State Environmental Planning Policies (SEPP)**

<i>SEPP (Primary Production) 2021</i>	<i>SEPP (Building Sustainability Index: BASIX) 2004</i>
<i>SEPP (Resources and Energy) 2021</i>	<i>SEPP (State Significant Precincts) 2005</i>
<i>SEPP (Resilience and Hazards) 2021</i>	<i>SEPP (Transport and Infrastructure) 2021</i>
<i>SEPP (Industry and Employment) 2021</i>	<i>SEPP (Biodiversity and Conservation) 2021</i>
<i>SEPP No. 65 - Design Quality of Residential Apartment Development</i>	<i>SEPP (Exempt and Complying Development Codes) 2008</i>
<i>SEPP (Planning Systems) 2021</i>	<i>SEPP (Housing) 2021</i>

#### **Local Environmental Plan (LEP)**

*Goulburn Mulwaree Local Environmental Plan 2009*

- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved).

#### **Draft Amendments to the Goulburn Mulwaree Local Environmental Plan 2009**

*Draft Goulburn Mulwaree Local Environmental Plan 2009 (189 Brayton Road, Marulan - WTP Planning Proposal)*

- This amendment only affects Lot 10 DP 1067488 (189 Brayton Road, Marulan)

**Draft State Environmental Planning Policies (SEPP's)**

*Draft Environment SEPP*

*ISEPP – Amendment – Health Infrastructure*

*Explanation of Intended Effect – Design and Place SEPP*

*Explanation of Intended Effect – Agri-tourism and small scale agriculture development*

*Explanation of Intended Effect – Remediation of Land SEPP*

*Explanation of Intended Effect – Proposed amendments to clause 4.6 of the Standard Instrument LEP*

*Employment Zones Reform (includes a draft amendment to the Standard Instrument Principal Local Environmental Plan (2006) (SI LEP))*

*Explanation of Intended Effect - Cemeteries as State Significant Development (State and Regional Development SEPP Amendment)*

*Explanation of Intended Effect - Amendment to State Environmental Planning Policy (Infrastructure) 2007 and related amendment to State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017*

*Explanation of Intended Effect – State Environmental Planning policy (Infrastructure) 2007 – Proposed amendment - landscape rehydration infrastructure*

*Explanation of Intended Effect – SEPP (State Environmental Planning Policy (Transport & Infrastructure) - Changes to protect fuel pipelines*

For further information please visit the Planning NSW and NSW Planning Portal web sites:

<https://www.planning.nsw.gov.au/Policy-and-Legislation/State-Environmental-Planning-Policies-Review>

<https://www.planningportal.nsw.gov.au/exhibition>

- (3) The name of each development control plan that applies to the carrying out of development on the land.  
*Goulburn Mulwaree Development Control Plan 2009*
- (4) In this clause, proposed environmental planning instruments includes a planning proposal for a LEP or a draft environmental planning instrument.

**2 Zoning and land use under relevant LEP's**

- (a) The identity of the zone is IN2 Light Industrial  
R1 General Residential  
RU6 Transition  
under the *Goulburn Mulwaree Local Environmental Plan 2009*.
- (b) The purposes for which the plan or instrument provides that development may be carried out within the zone without the need for development consent.
- (c) The purposes for which the plan or instrument provides that development may not be carried out within the zone except with development consent.
- (d) The purposes for which the plan or instrument provides that development is prohibited within the zone.

The answers for parts (b) to (d) are set out in the land use table below:

**Zone IN2 Light Industrial**

**1 Objectives of zone**

- To provide a wide range of light industrial, warehouse and related land uses.
- To encourage employment opportunities and to support the viability of centres.
- To minimise any adverse effect of industry on other land uses.
- To enable other land uses that provide facilities or services to meet the day to day needs of workers in the area.
- To support and protect industrial land for industrial uses.

**2 Permitted without consent**

Home occupations; Roads.

**3 Permitted with consent**

Depots; Dwelling houses; Extensive agriculture; Garden centres; Hardware and building supplies; Industrial training facilities; Landscaping material supplies; Light industries; Neighbourhood shops; Oyster aquaculture; Places of public worship; Plant nurseries; Rural supplies; Shop top housing; Tank-based aquaculture; Timber yards; Vehicle sales or hire premises; Warehouse or distribution centres; Any other development not specified in item 2 or 4.

**4 Prohibited**

Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Crematoria; Eco-tourist facilities; Educational establishments; Electricity generating works; Exhibition homes; Exhibition villages; Extractive industries; Function centres; Health services facilities; Heavy industrial storage establishments; Helipads; Highway service centres; Home occupations (sex services); Industries; Jetties; Marinas; Mooring pens; Moorings; Pond-based aquaculture Recreation facilities (major); Residential accommodation; Restricted premises; Retail premises; Rural industries; Sex services premises; Tourist and visitor accommodation; Waste or resource management facilities; Water recreation structures; Wharf or boating facilities.

**Zone R1 General Residential**

**1 Objectives of zone**

- To provide for the housing needs of the community.
- To provide for a variety of housing types and densities.
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.
- To maintain the economic strength of commercial centres by limiting the retailing of food and clothing.

**2 Permitted without consent**

Home occupations; Roads

**3 Permitted with consent**

Attached dwellings; Bed and breakfast accommodation; Boarding houses; Centre-based child care facilities; Community facilities; Dwelling houses; Food and drink premises; Group homes; Home industries; Hostels; Multi dwelling housing; Neighbourhood shops; Oyster aquaculture; Places of public worship; Plant nurseries; Pond-based aquaculture; Residential flat buildings; Respite day care centres; Semi-detached dwellings; Seniors housing; Serviced apartments; Shop top housing; Tank-based aquaculture; Any other development not specified in item 2 or 4.

**4 Prohibited**

Agriculture; Air transport facilities; Airstrips; Amusement centres; Animal boarding or training establishments; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Charter and tourism boating facilities; Commercial premises; Correctional centres; Crematoria; Eco-tourist facilities; Electricity generating works; Entertainment facilities; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Function centres; Funeral homes; Heavy industrial storage establishments; Helipads; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Mortuaries; Open cut mining; Passenger transport facilities; Recreation facilities (major); Registered clubs; Research stations; Restricted premises; Rural industries; Rural workers' dwellings; Service stations; Sewerage systems; Sex services premises; Storage premises; Tourist and visitor accommodation; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Veterinary hospitals; Warehouse or distribution centres; Waste or resource management facilities; Water recreation structures; Water supply systems; Wharf or boating facilities; Wholesale supplies.

**Zone RU6 Transition**

**1 Objectives of zone**

- To protect and maintain land that provides a transition between rural and other land uses of varying intensities or environmental sensitivities.
- To minimise conflict between land uses within this zone and land uses within adjoining zones.

## SECTION 10.7 (2) PLANNING CERTIFICATE

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### 2 Permitted without consent

Environmental facilities; Environmental protection works; Extensive agriculture; Home occupations; Roads.

### 3 Permitted with consent

Backpackers' accommodation; Bed and breakfast accommodation; Cellar door premises; Dwelling houses; Farm stay accommodation; Home industries; Kiosks; Landscaping material supplies; Markets; Oyster aquaculture; Plant nurseries; Roadside stalls; Rural supplies; Tank-based aquaculture; Timber yards; Any other development not specified in item 2 or 4.

### 4 Prohibited

Air transport facilities; Airstrips; Amusement centres; Animal boarding or training establishments; Attached dwellings; Boat building and repair facilities; Business premises; Camping grounds; Caravan parks; Crematoria; Dual occupancies; Electricity generating works; Exhibition homes; Exhibition villages; Group homes; Heavy industrial storage establishments; Heavy industries; Helipads; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Intensive livestock agriculture; Intensive plant agriculture; Livestock processing industries; Marinas; Mooring pens; Mortuaries; Multi dwelling housing; Passenger transport facilities; Pond-based aquaculture Recreation facilities (major); Registered clubs; Residential flat buildings; Restricted premises; Retail premises; Rural workers' dwellings; Sawmill or log processing works; Semi-detached dwellings; Seniors housing; Service stations; Sex services premises; Shop top housing; Storage premises; Tourist and visitor accommodation; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Water recreation structures; Wharf or boating facilities; Wholesale supplies.

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

Yes.

There is a minimum allotment size of 100ha for the erection of a dwelling in certain rural and conservation zones pursuant to Part 4 of the *Goulburn Mulwaree Local Environmental Plan 2009*.

If you are unsure about the application of Part 4 for the erection of a dwelling under the *Goulburn Mulwaree Local Environmental Plan 2009*, you can contact Council at [council@goulburn.nsw.gov.au](mailto:council@goulburn.nsw.gov.au). An application form for a dwelling entitlement report can be found on Council's website.

- (f) Whether the land includes or comprises critical habitat.

No the land does not include or comprise critical habitat.

- (g) Whether the land is located in a heritage conservation area.

No. The land is not within a heritage conservation area.

- (h) Whether an item of environmental heritage is situated on the land.

No. An item of environmental heritage is not situated on the land.

---

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

Not applicable to the Goulburn Mulwaree Local Government Area.

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## 3 Complying development

Whether or not the land to which the certificate relates is land on which complying development may be carried out under *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*?

### Housing Code

No. Complying development under the Housing Code cannot be carried out on the land because the land is affected by the following exclusions:

The Inland Code applies to the land.

## SECTION 10.7 (2) PLANNING CERTIFICATE

---

The land is identified as environmentally sensitive land.

**Note:** The Biodiversity Value Map & Threshold Tool potentially applies to the land, refer to the provisions of the *Biodiversity Conservation Act 2016*.

The Greenfield Housing Code applies to the land.

### Low Rise Housing Diversity Code

No. Complying development under the Low Rise Housing Diversity Code cannot be carried out on the land because the land is affected by the following exclusions:

The land is identified as environmentally sensitive land.

**Note:** The Biodiversity Value Map & Threshold Tool potentially applies to the land, refer to the provisions of the *Biodiversity Conservation Act 2016*.

### Greenfield Housing Code

No. Complying development under the Greenfield Housing Code cannot be carried out on the land because the land is affected by the following exclusions:

The land is identified as environmentally sensitive land.

**Note:** The Biodiversity Value Map & Threshold Tool potentially applies to the land, refer to the provisions of the *Biodiversity Conservation Act 2016*.

### Inland Code

No. Complying development under the Inland Code cannot be carried out on the land because the land is affected by the following exclusions:

The Greenfield Housing Code applies to the land.

The land is identified as environmentally sensitive land.

**Note:** The Biodiversity Value Map & Threshold Tool potentially applies to the land, refer to the provisions of the *Biodiversity Conservation Act 2016*.

### Rural Housing Code

No. Complying development under the Rural Housing Code cannot be carried out on the land because the land is affected by the following exclusions:

The Inland Code applies to the land.

The land is identified as environmentally sensitive land.

**Note:** The Biodiversity Value Map & Threshold Tool potentially applies to the land, refer to the provisions of the *Biodiversity Conservation Act 2016*.

### Housing Alterations Code

Yes. Complying development under the Housing Alterations Code can be carried out on the land.

### General Development Code

Yes. Complying development under the General Development Code can be carried out on the land.

### Commercial and Industrial Alterations Code

Yes. Complying development under the Commercial and Industrial Alterations Code can be carried out on the land.

### Commercial and Industrial (New Buildings and Additions) Code

No. Complying development under the Commercial and Industrial (New Buildings and Additions) Code cannot be carried out on the land because the land is affected by the following exclusions:

## SECTION 10.7 (2) PLANNING CERTIFICATE

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The land is identified as environmentally sensitive land.

**Note:** The Biodiversity Value Map & Threshold Tool potentially applies to the land, refer to the provisions of the *Biodiversity Conservation Act 2016*.

### Container Recycling Facilities Code

Yes. Complying development under the Container Recycling Facilities Code can be carried out on the land.

### Subdivisions Code

Yes. Complying development under the Subdivisions Code can be carried out on the land.

### Demolition Code

Yes. Complying development under the Demolition Code can be carried out on the land.

### Fire Safety Code

Yes. Complying development under the Fire Safety Code can be carried out on the land.

**Note.** If the land is a lot to which the Housing Code, Rural Housing Code, Housing Alterations Code, General Development Code, Commercial and Industrial Alterations Code or Commercial and Industrial (New Buildings and Additions) Code (within the meaning of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008* applies, complying development may be carried out on any part of the lot that is not affected by the provisions of Clause 1.19 of that Policy.

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

Not applicable to the Goulburn Mulwaree Local Government Area.

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#### **5 Mine subsidence**

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

No.

---

#### **6 Road widening and road realignment**

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

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

No.

---

#### **7 Council and other public authority policies on hazard risk restrictions**

Whether or not the land is affected by Policy:

- (a) adopted by the council, or
- (b) adopted by any other public authority,

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

Yes. All of the land is bush fire prone land. Additional controls apply in the *Goulburn Mulwaree Development Control Plan 2009*.



**7A Flood related development controls**

- (1) If the land or part of the land is within the flood planning area and subject to flood related development controls.

No.

**Note:** This land is outside the flood planning area referred to in one or more of the following documents.

- *Wollondilly and Mulwaree Rivers Flood Study 2003*
- *Wollondilly and Mulwaree Rivers Flood Study 2016*

You should make your own enquiries as to the potential for periodic inundation and flooding events.

- (2) If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls.

No.

**Note:** This land is outside the flood planning area referred to in one or more of the following documents.

- *Wollondilly and Mulwaree Rivers Flood Study 2003*
- *Wollondilly and Mulwaree Rivers Flood Study 2016*

You should make your own enquiries as to the potential for periodic inundation and flooding events.

- (3) In this clause –

**Flood planning area** has the same meaning as in the Floodplain Development Manual.

**Floodplain Development Manual** means the *Floodplain Development Manual* (ISBN 0 7347 5476 0) published by the NSW Government in April 2005.

**Probable maximum flood** has the same meaning as in the Floodplain Development Manual.

---

**8 Land reserved for acquisition**

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

No.

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**9 Contribution plans**

The name of each contributions plan applying to the land.

*Goulburn Mulwaree Local Infrastructure Contributions Plan 2021*

The land may be affected by any of the following plans under Section 64 of the *Local Government Act 1993*:

Development Servicing Plan for Water Supply, Sewerage and Stormwater 2017.

---

**9A Biodiversity certified land**

If the land is biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016*, a statement to that effect.

No. Council is not aware that the land is biodiversity certified under Part 8 of the Biodiversity Conservation Act 2016.

**Note.** Biodiversity certified land includes land certified under Part 7AA of the *Threatened Species Conservation Act 1995* that is taken to be certified under Part 8 of the *Biodiversity Conservation Act 2016*.

**10 Biodiversity stewardship sites**

If the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016*, a statement to the effect (but only if the council has been notified of the existence of the agreement by the Chief Executive of the Office of Environment and Heritage).

No. Council has not been notified of a biodiversity stewardship agreement under Part 5 of the *Biodiversity Conservation Act 2016* relating to the land.

**Note.** Biodiversity stewardship agreements include biobanking agreements under Part 7A of the *Threatened Species Conservation Act 1995* that are taken to be biodiversity stewardship agreements under Part 5 of the *Biodiversity Conservation Act 2016*.

---

**10A Native vegetation clearing set asides**

If the land contains a set aside area under Section 60ZC of the *Local Land Services Act 2013*, a statement to that effect (but only if the council has been notified of the existence of the set aside area by the Local Land Services or it is registered in the public register under that section).

No. Council has not been notified that the land contains an area set aside under Section 60ZC of the *Local Land Services Act 2013*.

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**11 Bush fire prone land**

Whether or not some or all of the land is bush fire prone land.

Yes. All of the land is bush fire prone land. Additional controls apply in the *Goulburn Mulwaree Development Control Plan 2009*.

---

**12 Property vegetation plans**

If the land is land to which a property vegetation plan approved under Part 4 of the *Native Vegetation Act 2003* (and that continues in force) applies, a statement to that effect (but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act).

No. Council is not aware of a property vegetation plan under the *Native Vegetation Act 2003* relating to the land.

---

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

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

No. An order under the *Trees (Disputes Between Neighbours) Act 2006* has not been made.

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**14 Directions under Part 3A**

Whether there is a direction by the Minister in force under the former Section 75P (2) (c1) of the Act.

No direction is in force.

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**15 Site compatibility certificates and conditions for seniors housing**

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

- (a) Whether or not Council is aware of a current site compatibility certificate (seniors housing), in respect of the proposed development on the land.

Council is not aware of any current site compatibility certificates (seniors housing) in respect of proposed development on the land.

## SECTION 10.7 (2) PLANNING CERTIFICATE

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- (b) Whether or not any terms of a kind referred to in clause 18 (2) of that Policy that have been imposed as a condition of consent to a development application granted after October 2007 in respect of the land.

No terms referred to in clause 18(2) of *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004* have been imposed as conditions of consent to a development application for the land granted after 11 October 2007.

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### 16 Site compatibility certificates for infrastructure, schools or TAFE establishments

Whether or not Council is aware of a valid site compatibility certificate in respect of proposed development on the land.

No. Council is not aware of any valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments) in respect of proposed development on the land.

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### 17 Site compatibility certificates and conditions for affordable rental housing

- (1) Whether or not Council is aware of a current site compatibility certificate (affordable rental housing) in respect of proposed development on the land.

No. Council is not aware of any current site compatibility certificate (affordable rental housing) in respect of proposed development on the land.

- (2) Whether or not any 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.

No terms referred to in clause 17(1) or 37(1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* have been imposed as conditions of consent to a development application in respect of the land.

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### 18 Paper subdivision information

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.
- (2) The date of any subdivision order that applies to the land.
- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of *Environmental Planning and Assessment Regulation 2000*.

Not applicable.

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### 19 Site verification certificates

Whether or not Council is aware of a current site verification certificate, in respect of the land.

No. Council is not aware of a current site verification certificate in respect of the land.

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### 20 Loose-fill asbestos insulation

Whether or not the land includes any residential premises (as defined in Division 1A of Part 8 of the *Home Building Act 1989*) that are listed on a register of residential premises that contain or have contained loose-fill asbestos insulation.

No the land has not been identified in the Loose-Fill Asbestos Insulation Register as containing loose-fill asbestos ceiling insulation.

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### 21 Affected Building Notices and Building Product Orders

- (1) Whether or not there is any affected building notice of which Council is aware that is in force in respect to the land.

**SECTION 10.7 (2) PLANNING CERTIFICATE**

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No. Council is not aware of any affected building notice that is in force in respect of the land.

(2) (a) Whether there is any building product rectification order of which Council is aware that is in force in respect of the land and has not been fully complied with.

No. Council is not aware of any affected building notice that is in force in respect of the land.

(b) Whether any notice of intention to make a building product rectification order of which Council is aware has been given in respect of the land and is outstanding.

No. Council is not aware of any intention to make a building product rectification order in respect of the land and is outstanding.

## SECTION 10.7 (2) PLANNING CERTIFICATE

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### Additional Matters

**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) Whether or not the land to which the certificate relates is significantly contaminated land within the meaning of that Act.

No. The land is not significantly contaminated as at the date this certificate is issued.

- (b) Whether or not the land to which the certificate relates is subject to a management order within the meaning of that Act.

No. The land is not subject to a management order as at the date this certificate is issued.

- (c) Whether or not the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of the Act.

No. The land is not the subject of an approved voluntary management proposal as at the date this certificate is issued.

- (d) Whether or not the land to which this certificate relates is subject to an ongoing maintenance order within the meaning of that Act.

No. The land is not subject to an ongoing maintenance order as at the date this certificate is issued.

- (e) Whether or not the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act – if a copy of such statement has been provided at any time to the local authority issuing the certificate.

No. The land is not the subject of a site audit statement as at the date this certificate is issued.

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Legislation referred to in this certificate can be found at [www.legislation.nsw.gov.au](http://www.legislation.nsw.gov.au).

**SECTION 10.7 (5) PLANNING CERTIFICATE  
ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979**

At the date of this certificate, Council is aware of the following matters affecting the above mentioned land (other than those matters set out in Schedule 4 of the *Environmental Planning and Assessment Regulation 2000*).

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**A** Does the land have frontage to a Classified Road and consequently affected by Clauses 3.3.6, 4.1.7, 6.4.2 and 6.4.3 of *Goulburn Mulwaree Development Control Plan 2009*?

No.

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**B** Is the land identified on the Height of Buildings Map and consequently affected by Clause 4.3 of *Goulburn Mulwaree Local Environmental Plan 2009*?

No.

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**C** Is the land identified on the Floor Space Ratio Map and consequently affected by Clauses 4.4 and 4.5 of *Goulburn Mulwaree Local Environmental Plan 2009*?

No.

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**D** Is the land located within 50 metres of a zone boundary and consequently affected by Clause 5.3 of *Goulburn Mulwaree Local Environmental Plan 2009*?

Yes.

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**E** Is a permit required from Council to clear vegetation under the *State Environmental Planning Policy (Biodiversity and Conservation) 2021*, Chapter 2 Vegetation in Non-Rural Areas?

Yes. A permit is required from Council for the land zoned R1 and IN2.

No. A permit is not required from Council for the land zoned RU6. The *State Environmental Planning Policy (Biodiversity and Conservation) 2021*, Chapter 2 Vegetation in Non-Rural Areas does not apply to that land. For vegetation clearing on this land refer to Part 5A of the *Local Land Services Act 2013*.

**Note:** The requirements for approval of vegetation clearing are varied depending on the location and uses of the land and the intention of the clearing. The question above relates only to whether a permit is required from Council under the *State Environmental Planning Policy (Biodiversity and Conservation) 2021*, Chapter 2 Vegetation in Non-Rural Areas.

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**F** Is the land identified on the Urban Release Area Map and consequently affected by Part 6 of *Goulburn Mulwaree Local Environmental Plan 2009*?

Yes.

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**G** Is the land identified on the Terrestrial Biodiversity Map and consequently affected by Clause 7.2 *Goulburn Mulwaree Local Environmental Plan 2009*?

Yes.

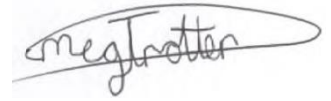
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**Information regarding loose-fill asbestos insulation**

Some residential homes located in the Goulburn Mulwaree local government area have been identified as potentially containing loose-fill asbestos insulation, for example in the roof space. NSW Fair Trading maintains a Register of homes that are affected by loose-fill asbestos insulation.

You should make your own enquiries as to the age of the buildings on the land to which this certificate relates and, if it contains a building constructed prior to 1980, the council strongly recommends that any potential purchaser obtain advice from a licensed asbestos assessor to determine whether loose-fill asbestos is present in any building on the land and, if so, the health risks (if any) this may pose for the building's occupants.

Contact NSW Fair Trading for further information.



**Date of Certificate**  
**22 April 2022**

for **Brendan Hollands**  
**Acting General Manager**  
**Goulburn Mulwaree Council**

**Notice to Prospective Purchasers/Residents of  
Land Identified as Part of a Buffer Area**

The Lot and DP that the above certificate refers to has been identified as being partly or wholly within the risk management buffer area of the gas main pipeline. This buffer area may restrict the kinds of development allowed in the affected area or require the preparation of a risk management study for any new proposed development. For more information, please contact Planning & Environment on (02) 4823 4444 or via [council@goulburn.nsw.gov.au](mailto:council@goulburn.nsw.gov.au).

**Notice to Prospective Purchasers/Residents**

**1. Urban Land and Rural land in the Goulburn Mulwaree Local Government Area**

Due to extensive growth and development within and alongside the urban areas of the Goulburn Mulwaree Local Government Area, non-residential land uses including rural areas increasingly adjoin residential developments. These mixed land uses and zones have resulted in the potential for land use conflicts.

Goulburn Mulwaree Council supports the right of persons carrying out legitimate non-residential land use activities on urban land. Furthermore, Council supports the rights of persons to carry out legitimate rural and agricultural uses and practices on rural land.

Council advises that whilst some land use activities will have formal consent from Council and/or other Government Agencies for operations, other activities may not require consent and are undertaken within the objectives of the land use zone.

Council will not support any action that will unreasonably interfere with the existing use or ongoing operation of land uses, particularly where such activities or uses are carried out in accordance with existing approvals, industry standards and relevant legislation. Many farms, businesses and commercial enterprises carry out operations as required, early in the morning or late in the evening. These operations may involve vehicle movements, machinery noise and trade and supply activities which may impact upon the amenity of an area.

Prospective purchasers of land are encouraged to undertake their own enquiries into any operations or activities on adjoining, neighbouring or nearby properties that may cause amenity impacts from noise, dust, odour etc. Intending purchasers are advised that legitimate land uses in urban and rural areas may include, but are not limited to:

*Urban activities*

*Agricultural produce stores; Building trade supply retailers; Childcare centres and schools; Concrete batching plants; Equine training and stabling facilities; Food businesses; Home businesses; Landscape supplies; Medical practices and services; Motor vehicle and/or heavy machinery workshops; Motorsport facilities; Nurseries; Nursing homes and aged care facilities; Petrol stations; Public recreation facilities including aquatic centres, playgrounds and sporting fields; Pubs and clubs; Recycling facilities; Retail suppliers/ shops; Steel fabrication and engineering; Transport depots; Veterinary practices; Vehicle retailers; Waste management facilities; Water and waste water treatment facilities; Wholesalers.*

*Rural activities*

*Abattoir operations; Intensive livestock farming; Dairies; Livestock waste disposal systems; Stockyard activities; Animal husbandry practices (castration, dehorning, mulesing etc.); Presence of livestock (noisy animals, including crowing roosters); Livestock movement on Council roads; Clearing and land cultivation; Bush fire hazard reduction burning; Burning of stubble for cropping operations; Construction of fire breaks; Earthmoving including construction of dams, drains and contour banks; Construction of access roads and tracks; Pumping and irrigation; Harvesting operations; Grain receipt operations; Transportation of rural produce; Fodder conservation; Chaff cutting operations; Silage productions; Growing of any agricultural crop or pasture species which may produce detectable aromas or pollens e.g. canola & Lucerne; Slashing and mowing of vegetation; Logging; Spreading of fertilisers, including lime and gypsum; Crop spraying by both aerial and*



## **ADDITIONAL INFORMATION THAT DOES NOT FORM PART OF THE CERTIFICATE**

*ground operations; Control and eradication of noxious weeds; Authorised measures to control agricultural pests including baiting, ripping, fumigation and shooting; Planting of trees and shrubs for woodblocks, windbreaks etc.; Fencing construction and erection; Tourist facilities; Manufacture and repair of agricultural machinery; Processing of rural commodities; Council Landfill Facilities; Council Sewerage Treatment Works.*

Prospective purchasers are encouraged to attend locations of interest during different times of the day to determine the suitability of land for their intended use.

In addition to the above, Council suggests an awareness of rural land management responsibilities, in particular weeds management that accompany ownership.

### **2. Unauthorised Development**

#### **2.1 Background**

The need for obtaining approval/consent is an important step in the development process as it ensures that a number of important assessments are carried out prior to the commencement of works. These assessments and their subsequent approvals provide a variety of safeguards for the landowner and the wider community, and therefore ensure the safety of any building/land user and the protection of the environment. Obtaining consent also serves to ensure that third party protections such as insurance remain valid.

In accordance with the *Environmental Planning & Assessment Act 1979*, the term 'development' can be applied to most works, including but not limited to:

- use of land;
- subdivision of land;
- the erection of a building;
- the carrying out of work; and
- the demolition of a building or work.

The following information is provided as a courtesy and is general in nature. It is not to be construed as either town planning or legal advice. It is therefore important that you seek your own professional advice in relation to your rights and obligations in respect of any matters that this advice may raise.

#### **2.2 Common Misconceptions**

##### ***“Weekenders”***

The term “weekender” (i.e. the temporary use of a dwelling for short term accommodation) is not a defined land use within NSW and therefore is not an approved land use under the *Goulburn Mulwaree Local Environmental Plan (GM LEP) 2009*. Therefore, a “weekender” is not considered to be a legitimate building or land use classification. A building is either considered to be a non-habitable structure (i.e. a shed) or a habitable dwelling. Any use of a structure as a dwelling (regardless of frequency of use) is considered to be a dwelling and requires all relevant approvals.

“Weekenders” are sometimes the result of the unauthorised conversion of existing buildings, such as farm sheds, into a building intended for habitation. In circumstances where a building is intended for the purpose of human habitation (for example sleeping, living, meal preparation, ablutions, etc.), the building is classified as a dwelling and must be assessed as a Class 1 structure in accordance with the *Building Code of Australia*. These are the same standards that a dwelling house is constructed to meet.

Furthermore, *any* form of habitation requires the land to contain a dwelling entitlement (as some lots in rural areas are below the minimum lot size for a dwelling under GMLEP 2009 and do not have a historical entitlement to a dwelling). Council cannot grant approval to a Development Application for a dwelling on land that does not possess such an entitlement. It is particularly important in rural areas to ensure that a lot does enjoy a dwelling entitlement – see Council’s website for a dwelling entitlement enquiry form.

##### ***Conversion of Sheds to “Granny Flats”***

As with “weekenders”, a “granny flat” is not a defined land use under the GM LEP. The closest land use definition is a secondary dwelling, which requires development consent. Secondary dwellings must be assessed as a Class 1 structure in accordance with the *Building Code of Australia* to ensure the safety, health and amenity of any occupant that may use the structure.

### ***Farm Buildings/Rural Sheds***

Provisions exist under the *State Environmental Planning Policy (Exempt & Complying Development Codes) 2008* for some structures to be erected on rural lands without the need for consent. Notwithstanding this, any structure erected under this instrument must meet strict development standards to ensure that minimum environmental and safety requirements can be met. These provisions may be available on land zoned RU1 Primary Production, RU2 Rural Landscape, RU3 Forestry or RU6 Transition.

Importantly this type of development can only proceed where it is ancillary to an agricultural use on the same land holding. "Agriculture" is specifically defined under the GM LEP, and for an activity to be classified as "agriculture", the activity conducted on the land must be a form of *commercial activity* related to aquaculture, extensive agriculture, intensive livestock agriculture or extensive plant agriculture.

Landowners and prospective purchasers are advised that a significant area of the Goulburn Mulwaree Council Local Government Area is located within the Sydney Drinking Water Catchment. As a result, much of the rural area is zoned as "conservation" – i.e. C2 Environmental Conservation, C3 Environmental Management and C4 Environmental Living and therefore prohibits many land uses, such as rural sheds, from being constructed or undertaken without having an appropriate consent in place.

### ***Clearing of Vegetation***

Much of the Goulburn Mulwaree Council Local Government Area contains threatened species and various *Endangered Ecological Communities* (EEC's) and *Critically Endangered Ecological Communities* (CEEC's), including but not limited to Grassy Box Woodland, Tallong Midge Orchid, Glossy Black Cockatoo habitat and Koala habitat.

A raft of legislation and plans exist to preserve native vegetation, including but not limited to the *Biodiversity Conservation Act 2016*, *State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017*, *State Environmental Planning Policy (Koala Habitat Protection) 2020* and the *Goulburn Mulwaree Development Control Plan 2009*.

It is recommended that professional guidance be sought prior to undertaking any vegetation removal, including destruction of grasslands or when carrying out bushfire protection measures, as thresholds apply and approvals may be required.

### ***Earthworks & Road Construction***

*Earthworks* are defined within the GM LEP as the excavation or filling of land. Some forms of earthworks can be undertaken without consent under the *State Environmental Planning Policy (Exempt & Complying Development Codes) 2008*, however thresholds apply and a number of environmental considerations must be demonstrated.

If not considered or planned appropriately, earthworks can adversely affect neighbours by disrupting or intensifying natural water flow paths, and can cause significant environmental harm by destabilising the structure of the topsoil leading to erosion and soil degradation.

As with earthworks, some roads (both public and private) can be constructed without consent, however, some environmental zones require consent to be obtained first. In addition to drainage considerations, the design and construction of a road must also take into account matters such as the impact upon vegetation, especially if clearing is required, as this may trigger the need for obtaining consent.

Additional considerations apply to the management of sites subject to earthworks or road construction given the presence of the Goulburn Mulwaree Local Government Area in the Sydney Drinking Water Catchment, particularly in relation to erosion and sediment control. Further information can be obtained from either Council or Water NSW.

### ***Enclosure of Existing Carports and Verandahs***

Carports and verandahs are often enclosed to provide additional living or storage space via cost effective means. Consent is often required prior to carrying out such works, as consideration needs to be given to a variety of matters. These include an assessment of the structural integrity of the existing structure, as well as ensuring other habitable areas are not adversely impacted, such as living spaces not losing access to light and ventilation. These assessments ensure that following any works the occupants of the building will remain safe, and that the building will continue to function as intended.

## **2.3 Summary**

## **ADDITIONAL INFORMATION THAT DOES NOT FORM PART OF THE CERTIFICATE**

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Council understands that the purchase of land and property is a significant investment, and often the single biggest financial commitment made by many, therefore, it is recommended by Council that you carry out thorough due diligence research prior to committing to a purchase and ensure that:

- The improvements to the land that you are purchasing are authorised/approved.
- Any improvements that you wish to make to the land or any existing buildings, including any new works or alterations, are permissible.

In instances where Council is notified of the presence of unauthorised development, Council has a duty of care to the community and potential property buyers to ensure that the appropriate compliance pathway is actioned. In other words, properties that are found to contain illegal/unlawful development on the land will be subject to compliance and enforcement action. This may result in the need to remove any work and any associated infrastructure, the need to restore or rehabilitate land, issuing of Penalty Infringement Notices, or even prosecution. The responsibility for ensuring the relevant approvals are in place is with the current property owner (i.e. responsibility goes with the land when transferred to a new owner).

No responsibility will be taken for purchases made because of advertising content or false/misleading sales pitches, these matters should be addressed with the relevant government licencing agency i.e. NSW Office of Fair Trading.

If in doubt, ask!

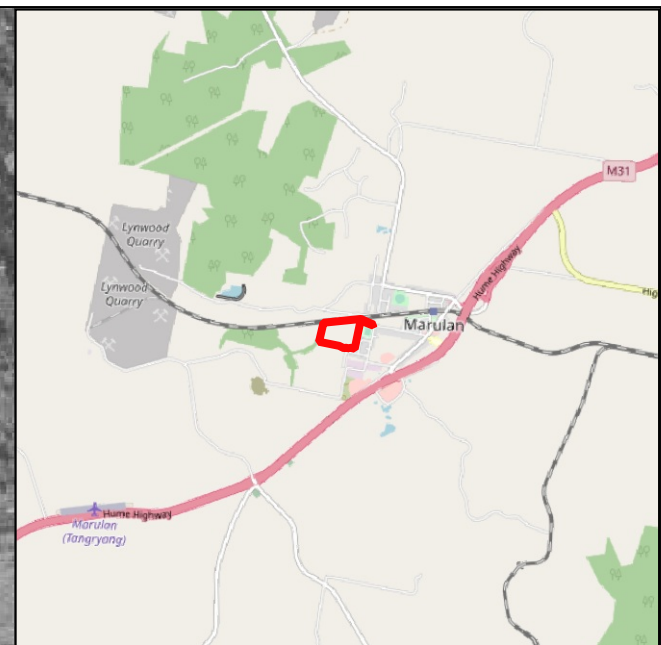
Further information can be obtained by contacting Council on 02 4823 4444 or email [council@goulburn.nsw.gov.au](mailto:council@goulburn.nsw.gov.au).

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## **Appendix D**

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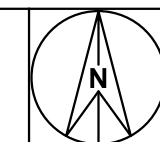
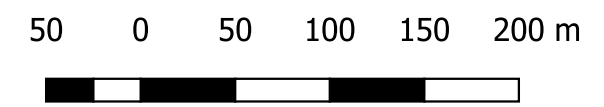
Historical Aerial Photographs

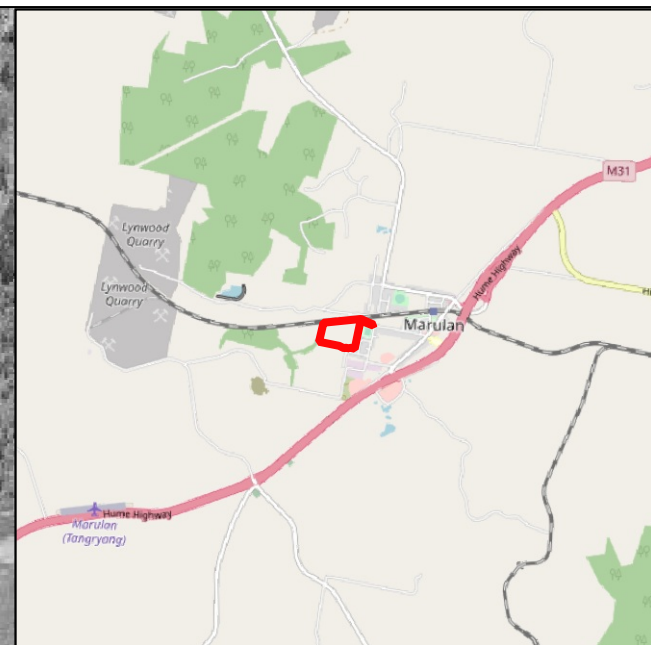


LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer

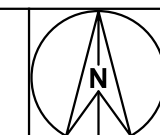
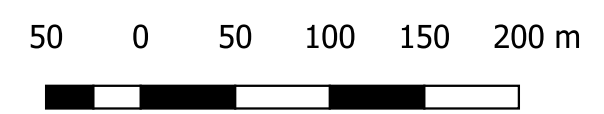


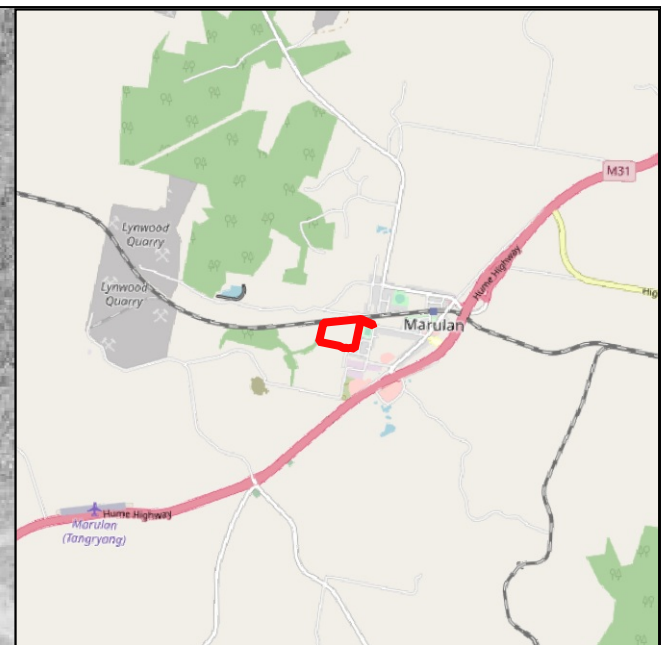


LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer

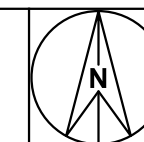
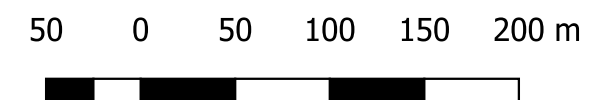


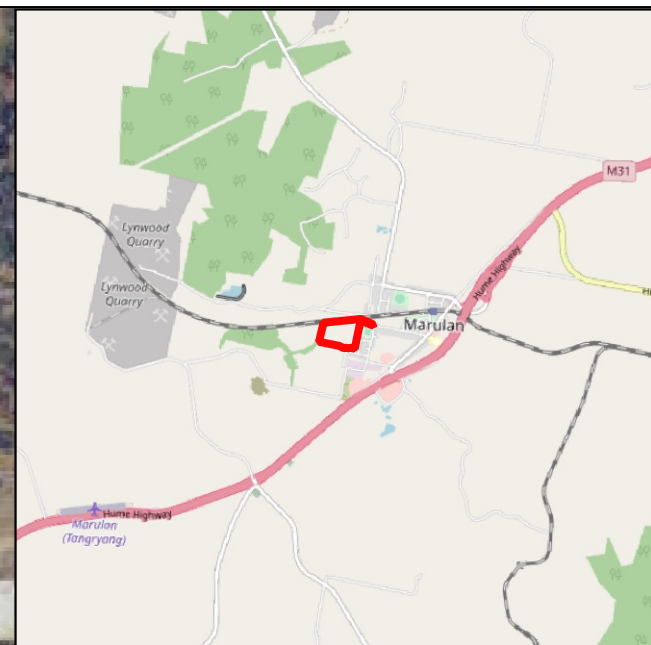


LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer

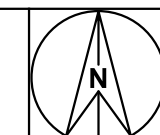
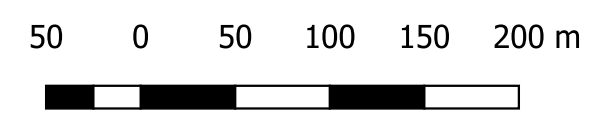




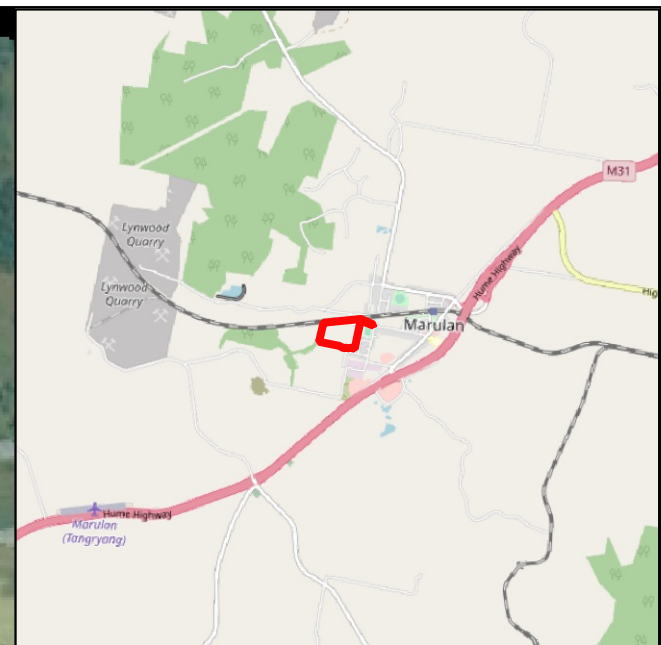
LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer



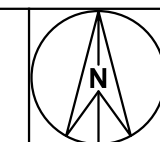
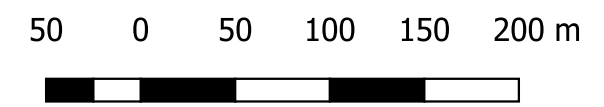


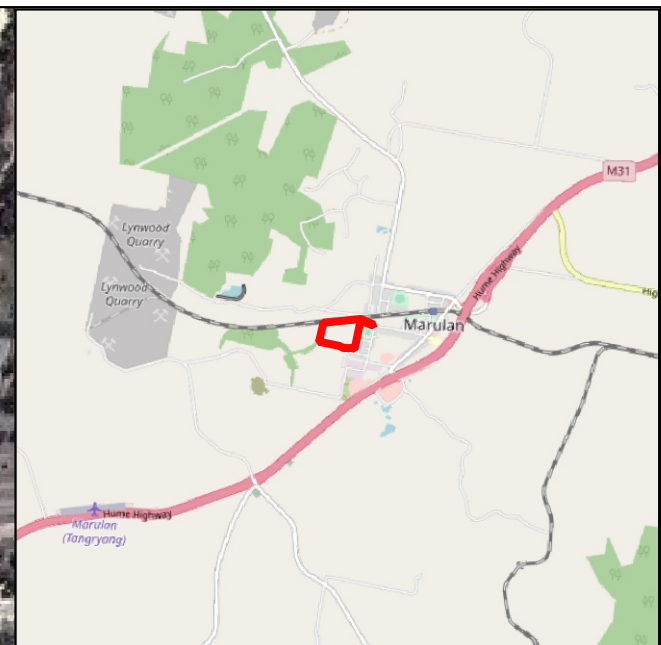


LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer

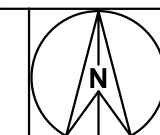
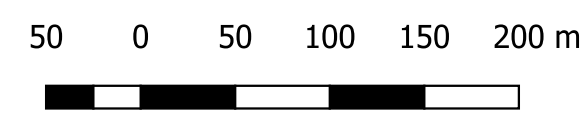


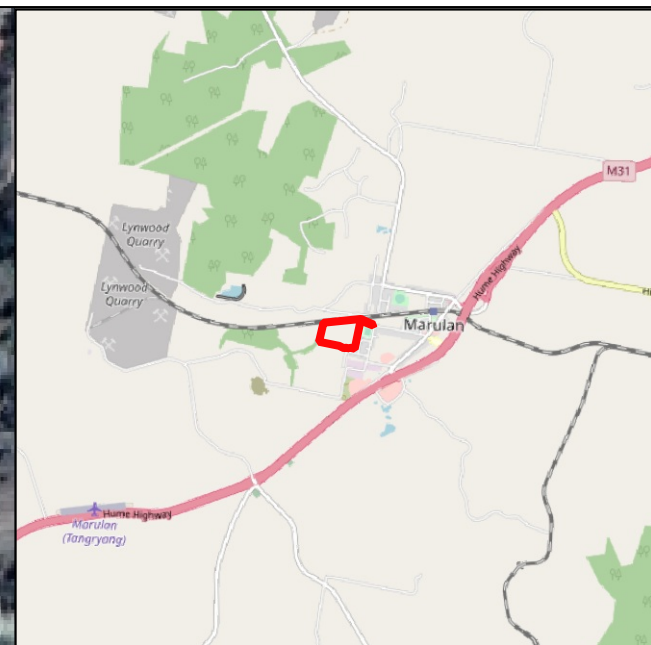


LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer

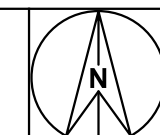
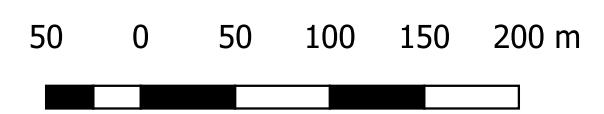


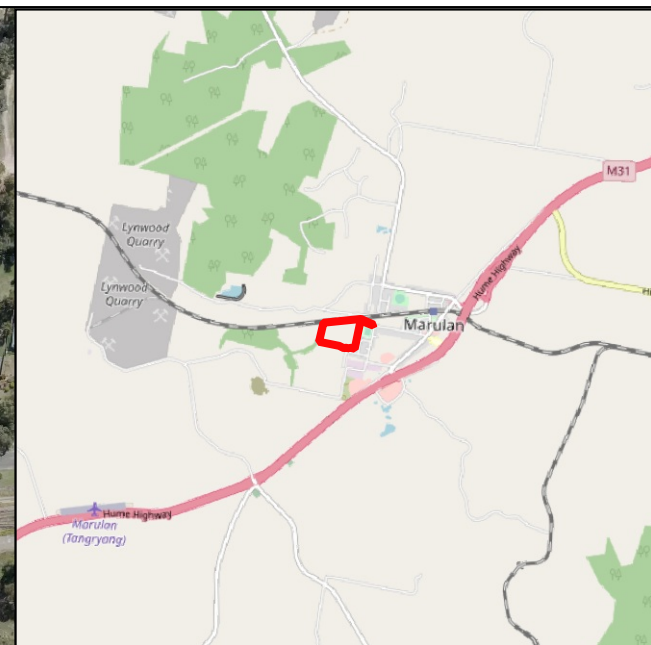


LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer

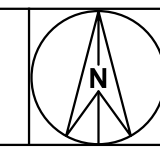
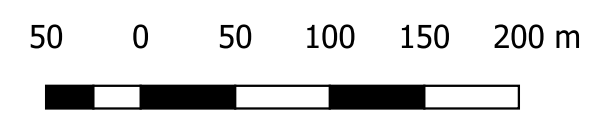




LOCALITY MAP

Legend

- Approximate Site Boundary
- 250m Site Buffer



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## **Appendix E**

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Site Photographs



**Photo 1: View of site looking south along the eastern boundary**



**Photo 2: View of the site looking to the north, note railway line**



<b>Site Photographs</b>		PROJECT:	88505.07
<b>Goulburn Street</b>		Plate	1
<b>Marulan</b>		REV:	A
Client	Darraby Pty Ltd	DATE:	13-May-22



**Photo 3: View of the site looking to the east**



**Photo 4: View of the site, looking to the west**



<b>Site Photographs</b>		PROJECT:	88505.07
<b>Goulburn Street</b>		Plate	2
<b>Marulan</b>		REV:	A
Client	Darraby Pty Ltd	DATE:	13-May-22



Photo 5: View of the dam in the western portion of the site



Photo 6: View of the site from the dam, looking to the south



<b>Site Photographs</b>		PROJECT:	88505.07
<b>Goulburn Street</b>		Plate	3
<b>Marulan</b>		REV:	A
Client	Darraby Pty Ltd	DATE:	13-May-22





**Photo 7: View of the site looking to the west along the northern boundary**




<b>Site Photographs</b>		PROJECT:	88505.07
<b>Goulburn Street</b>		Plate	4
<b>Marulan</b>		REV:	A
Client	Darraby Pty Ltd	DATE:	13-May-22



<b>Site Photographs</b>		PROJECT:	88505.07
<b>Goulburn Street</b>		Plate	5
<b>Marulan</b>		REV:	A
Client	Darraby Pty Ltd	DATE:	13-May-22



	<b>Site Photographs</b>		PROJECT:	88505.07
	<b>Goulburn Street</b>		Plate	6
	<b>Marulan</b>		REV:	A
	Client	Darraby Pty Ltd	DATE:	13-May-22

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## **Appendix F**

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Data Quality Objectives

## Appendix F

### Data Quality Objectives

#### Goulburn Street, Marulan

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### F1.0 Data Quality Objectives

The DSI has been devised broadly in accordance with the seven-step data quality objective (DQO) process which is provided in Appendix B, Schedule B2 of NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013).

Step	Summary
1: State the problem	<p>The objective of the investigation is to confirm the contamination status of the site with respect to the proposed land use. The report is being undertaken as the land is to be subdivided for residential use. The requirements of the regulator, Goulburn Mulwaree Council, will also be considered by consulting their Development Control Plan (DCP), Local Environment Plan (LEP) and any other requirements based on our recent experience with Council on similar sites.</p> <p>A preliminary conceptual site model (CSM) has been prepared (Section 8) for the proposed development.</p> <p>The project team consisted of experienced environmental engineers and scientists working in the roles of Project Principal, Project Reviewer, Project Manager, field staff.</p>
2: Identify the decisions / goal of the study	<p>The site history has identified possible contaminating previous uses which are identified in the CSM (Section 8). The CSM identifies the associated contaminants of potential concern (COPC) and the likely impacted media. The site assessment criteria (SAC) for each of the COPC are detailed in Appendix H.</p> <p>The decision is to establish whether or not the results fall below the SAC or whether or not the 95% upper confidence limit of the sample population falls below the SAC. On this basis, an assessment of the site's suitability from a contamination perspective and whether (or not) further assessment and / or remediation will be derived.</p>
3: Identify the information inputs	<p>Inputs to the investigation will be the results of analysis of samples to measure the concentrations of COPC identified in the CSM (Section 8) at the site using NATA accredited laboratories and methods, where possible. The SAC for each of the COPC are detailed in Appendix H.</p> <p>A photoionization detector (PID) will be used on-site to screen soils for VOC. PID readings will be used to inform sample selection for laboratory analysis.</p>
4: Define the study boundaries	<p>The lateral boundaries of the investigation area are shown on Drawing 1, Appendix A. The vertical boundaries are to the extent of contamination impact as determined from the site history assessment and site observations. The assessment is limited to the timeframe over which the field investigation was undertaken. Constraints to the assessment are identified and discussed in the conclusions of the report, Section 14.</p>

Step	Summary
5: Develop the analytical approach (or decision rule)	<p>The decision rule is to compare all analytical results with SAC (Appendix H, based on NEPC (2013)). Where guideline values are absent, other sources of guideline values accepted by NEPC (2013) shall be adopted where possible.</p> <p>Where a sample result exceeds the adopted criterion, a further site-specific assessment will be made as to the risk posed by the presence of that contaminant(s).</p> <p>Initial comparisons will be with individual results then, where required, summary statistics (including mean, standard deviation and 95% upper confidence limit (UCL) of the arithmetic mean (95% UCL)) to assess potential risks posed by the site contamination. Quality control results are to be assessed according to their relative percent difference (RPD) values. For field duplicates, triplicates and laboratory results, RPDs should generally be below 30%; for field blanks and rinsates, results should be at or less than the limits of reporting (NEPC, 2013). The field and laboratory quality assurance assessment is included in Appendix L.</p>
6: Specify the performance or acceptance criteria	<p>Baseline condition: Contaminants at the site and/or statistical analysis of data (in line with NEPC (2013)) exceed human health and environmental SAC and pose a potentially unacceptable risk to receptors (null hypothesis).</p> <p>Unless conclusive information from the collected data is sufficient to reject the null hypothesis, it is assumed that the baseline condition is true.</p> <p>Uncertainty that may exist due to the above potential decision errors shall be mitigated as follows:</p> <ul style="list-style-type: none"> <li>• As well as a primary screening exercise, the use of the 95% UCL as per NEPC (2013) may be applied, i.e.: 95% is the defined confidence level associated with the UCL on the geometric mean for contaminant data. The resultant 95%UCL shall subsequently be screened against the corresponding SAC.</li> <li>• The statistical assessment will only be able to be applied to certain data-sets, such as those obtained via systematic sampling. Identification of areas for targeted sampling will be via professional judgement and errors will not be able to have a probability assigned to them.</li> </ul>
7: Optimise the design for obtaining data	<p>As the purpose of the sampling program is to assess for potential contamination across the site, the sampling program is reliant on professional judgement to identify and sample the potentially affected areas.</p> <p>Further details regarding the proposed sampling plan are presented in Section 9.</p>

## F2.0 References

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

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## **Appendix G**

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Field Work Methodology

## Appendix G

### Field Work Methodology

#### Goulburn Street, Marulan

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### G1.0 Guidelines

The following key guidelines were consulted for the field work methodology:

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013).

### G2.0 Soil Sampling

Soil sampling is carried out in accordance with DP standard operating procedures. The general sampling and sample management procedures comprise:

- Collect soil samples directly from the excavator bucket at the nominated sample depth
- Transfer samples in laboratory-prepared glass jars with Teflon lined lids by hand, capping immediately and minimising headspace within the sample jar;
- Collect replicate samples in zip-lock bags for PID screening;
- Wear a new disposable nitrile glove for each sample point thereby minimising potential for cross-contamination;
- Collect 10% replicate samples for QC purposes;
- Label sample containers with individual and unique identification details, including project number, sample location and sample depth (where applicable);
- Place samples into a cooled, insulated and sealed container for transport to the laboratory; and
- Use chain of custody documentation.

#### G2.1 Field Testing

Field testing is carried out in accordance with DP standard operating procedures. The general sampling and sample management procedures comprise:

##### PID Field Test

- Calibrate the PID with isobutylene gas at 100 ppm and with fresh air prior to commencement of each successive day's field work;
- Allow the headspace in the PID zip-lock bag samples to equilibrate; and
- Screen using the PID.



### G3.0 References

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

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## **Appendix H**

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### Site Assessment Criteria Derivation

## Appendix H

### Derivation of Site Assessment Criteria

#### Goulburn Street, Marulan

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### H1.0 Introduction

#### H1.1 Guidelines

The following key guidelines were consulted for deriving the site assessment criteria (SAC):

- NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013).
- CRC CARE *Health screening levels for petroleum hydrocarbons in soil and groundwater* (CRC CARE, 2011).

#### H1.2 General

The SAC applied in the current investigation are informed by the CSM which identified human and environmental receptors to potential contamination at the site. Analytical results are assessed (as a Tier 1 assessment) against the SAC comprising primarily the investigation and screening levels of Schedule B1 of NEPC (2013).

The following inputs are relevant to the selection and/or derivation of the SAC:

- Land use: residential
  - Corresponding to land use category 'A', residential with garden / accessible soil (home grown produce <10% fruit and vegetable intake, (no poultry)), also includes children's day care centres, preschools and primary schools.
- Soil type: clay.

### H2.0 Soils

#### H2.1 Health Investigation and Screening Levels

The generic health investigation levels (HIL) and health screening levels (HSL) are considered to be appropriate for the assessment of human health risk via all relevant pathways of exposure associated with contamination at the site. The adopted soil HIL and HSL for the contaminants of concern are summarised in Table 1 and Table 2.

**Table 1: Health Investigation Levels (mg/kg)**

<b>Contaminant</b>	<b>HIL-A</b>
<b>Metals</b>	
Arsenic	100
Cadmium	20
Chromium (VI)	100
Copper	6000
Lead	300
Mercury (inorganic)	40
Nickel	400
Zinc	7400
<b>PAH</b>	
B(a)P TEQ	3
Total PAH	300
<b>Phenols</b>	
Phenol	3000
Pentachlorophenol	100
<b>OCP</b>	
DDT+DDE+DDD	240
Aldrin and dieldrin	6
Chlordane	50
Endosulfan	270
Endrin	10
Heptachlor	6
HCB	10
Methoxychlor	300
<b>OPP</b>	
Chlorpyrifos	160
<b>PCB</b>	
PCB	1

**Table 2: Health Screening Levels (mg/kg)**

<b>Contaminant</b>	<b>HSL-A&amp;B</b>	<b>HSL-A&amp;B</b>	<b>HSL-A&amp;B</b>	<b>HSL-A&amp;B</b>
<b>CLAY</b>	<b>0 m to &lt;1 m</b>	<b>1 m to &lt;2 m</b>	<b>2 m to &lt;4 m</b>	<b>4 m+</b>
Benzene	0.7	1	2	3
Toluene	480	NL	NL	NL
Ethylbenzene	NL	NL	NL	NL
Xylenes	110	310	NL	NL
Naphthalene	5	NL	NL	NL
TRH F1	50	90	150	290
TRH F2	280	NL	NL	NL

Notes: TRH F1 is TRH C<sub>6</sub>-C<sub>10</sub> minus BTEX

TRH F2 is TRH >C<sub>10</sub>-C<sub>16</sub> minus naphthalene

The soil saturation concentration (C<sub>sat</sub>) is defined as the soil concentration at which the porewater phase cannot dissolve any more of an individual chemical. The soil vapour that is in equilibrium with the porewater will be at its maximum. If the derived soil HSL exceeds C<sub>sat</sub>, a soil vapour source concentration for a petroleum mixture could not exceed a level that would result in the maximum allowable vapour risk for the given scenario. For these scenarios, no HSL is presented for these chemicals and the HSL is shown as 'not limiting' or 'NL'

The HSL for direct contact derived from CRC CARE (2011) are in Table 3.

**Table 3: Health Screening Levels for Direct Contact (mg/kg)**

<b>Contaminant</b>	<b>DC HSL-A</b>	<b>DC HSL-IMW</b>
Benzene	100	1100
Toluene	14 000	120 000
Ethylbenzene	4500	85 000
Xylenes	12 000	130 000
Naphthalene	1400	29 000
TRH F1	4400	82 000
TRH F2	3300	62 000
TRH F3	4500	85 000
TRH F4	6300	120 000

Notes: TRH F1 is TRH C<sub>6</sub>-C<sub>10</sub> minus BTEX

TRH F2 is TRH >C<sub>10</sub>-C<sub>16</sub> minus naphthalene

IMW intrusive maintenance worker

## H2.2 Asbestos in Soil

Based on the CSM and/or current site access limitations, a detailed asbestos assessment was not considered to be warranted at this stage. However, due to the history of widespread use of ACM

products across Australia, ACM can be encountered unexpectedly and sporadically at a site. Therefore, the presence or absence of asbestos at a limit of reporting of 0.1 g/kg (AS:4964) has been adopted for this investigation / assessment as an initial screen.

### H2.3 Ecological Investigation Levels

Ecological investigation levels (EIL) and added contaminant limits (ACL), where appropriate, have been derived in NEPC (2013) for arsenic, copper, chromium (III), nickel, lead, zinc, DDT and naphthalene. The adopted EIL, derived using the interactive (excel) calculation spreadsheet on the NEPM toolbox website are shown in Table 5, with inputs into their derivation shown in Table 4.

**Table 4: Inputs to the Derivation of the Ecological Investigation Levels**

Variable	Input	Rationale
Age of contaminants	"Aged" (>2 years)	Areas of environmental concern indicated to be greater than two years old
pH	5.25	Average of data collected from site
CEC	3.45 cmolc/kg	Average of data collected from site
Clay content	19.20%	Average of data collected from site
Traffic volumes	low	Rural property
State / Territory	NSW	Site located in NSW

**Table 5: Ecological Investigation Levels (mg/kg)**

Contaminant	EIL-A-B-C
<b>Metals</b>	
Arsenic	100
Copper	55
Nickel	35
Chromium III	410
Lead	1100
Zinc	150
<b>PAH</b>	
Naphthalene	170
<b>OCP</b>	
DDT	180

Notes: EIL-A-B-C urban residential and public open space

## H2.4 Ecological Screening Levels

Ecological screening levels (ESL) are used to assess the risk of selected petroleum hydrocarbon compounds, BTEX and benzo(a)pyrene to terrestrial ecosystems. The adopted ESL are shown in Table 6.

**Table 6: Ecological Screening Levels (mg/kg)**

Contaminant	Soil Type	EIL-A-B-C
Benzene	Fine	65
Toluene	Fine	105
Ethylbenzene	Fine	125
Xylenes	Fine	45
TRH F1	Coarse/ Fine	180*
TRH F2	Coarse/ Fine	120*
TRH F3	Fine	1300
TRH F4	Fine	5600
B(a)P	Fine	0.7

Notes: ESL are of low reliability except where indicated by \* which indicates that the ESL is of moderate reliability  
 TRH F1 is TRH C<sub>6</sub>-C<sub>10</sub> minus BTEX  
 TRH F2 is TRH >C<sub>10</sub>-C<sub>16</sub> including naphthalene  
 EIL-A-B-C urban residential and public open space

## H2.5 Management Limits

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

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

The adopted management limits are in Table 7.

**Table 7: Management Limits (mg/kg)**

<b>Contaminant</b>	<b>Soil Type</b>	<b>ML-A-B-C</b>
TRH F1	Fine	800
TRH F2	Fine	1000
TRH F3	Fine	3500
TRH F4	Fine	10 000

Notes: TRH F1 is TRH C<sub>6</sub>-C<sub>10</sub> including BTEX  
 TRH F2 is TRH >C<sub>10</sub>-C<sub>16</sub> including naphthalene  
 ML-A-B-C residential, parkland and public open space

### H3.0 References

CRC CARE. (2011). *Health screening levels for petroleum hydrocarbons in soil and groundwater*. Parts 1 to 3, Technical Report No. 10: Cooperative Research Centre for Contamination Assessment and Remediation of the Environment.

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

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## **Appendix I**

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Results Tables

Table 11: Summary of Laboratory Results – Metals, TRH, BTEX, PAH

Sample ID	Depth	Sample Date	Metals									TRH					BTEX				PAH									
			Arsenic	Cadmium	Total Chromium	Copper	Lead	Manganese (mg/kg)	Nickel	Zinc	TRH C5-C10	TRH C10-C16	F1 (C5-C9) (BTEX)	F2 (C10-C16) (Naphthalene)	F3 (C17-C21)	F4 (C22-C40)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene <sup>b</sup>	Benzo[a]pyrene (BaP)	Benzo[a]anthracene (BaA)	Total PAHs						
		POL	4	0.4	1	1	1	0.1	1	1	25	50	25	50	100	100	0.2	0.5	1	1	0.1	0.05	0.5	0.05						
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg						
Pt1	0.1 m	14/04/2022	<0.4	<0.4	5	2	11	<0.1	1	10	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt2	0.5 m	14/04/2022	<0.4	<0.4	8	3	12	<0.1	3	35	7400	150	<25	<50	<120	<1300	0.7	65	480	105	NL	125	110	45	5	170	<0.7	3	<0.5	<0.05
Pt3	0.5 m	14/04/2022	<0.4	<0.4	11	4	12	<0.1	4	35	7400	150	<25	<50	<120	<1300	0.7	65	480	105	NL	125	110	45	5	170	<0.7	3	<0.5	<0.05
Pt4	0.1 m	14/04/2022	<0.4	<0.4	10	1	16	<0.1	2	13	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt5	0.5 m	14/04/2022	<0.4	<0.4	14	16	26	<0.1	9	41	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
R5	0 m	14/04/2022	<0.4	<0.4	11	3	13	<0.1	5	29	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt6	0.5 m	14/04/2022	<0.4	<0.4	11	3	14	<0.1	2	35	7400	150	<25	<50	<120	<1300	0.7	65	480	105	NL	125	110	45	5	170	<0.7	3	<0.5	<0.05
Pt7	0.1 m	14/04/2022	<0.4	<0.4	1	1	8	<0.1	<1	35	7400	150	<25	<50	<120	<1300	0.7	65	480	105	NL	125	110	45	5	170	<0.7	3	<0.5	<0.05
Pt8	0.1 m	14/04/2022	<0.4	<0.4	2	2	7	<0.1	<1	35	7400	150	<25	<50	<120	<1300	0.7	65	480	105	NL	125	110	45	5	170	<0.7	3	<0.5	<0.05
Pt9	0.1 m	28/03/2022	<0.4	<0.4	2	2	8	<0.1	<1	35	7400	150	<25	<50	<120	<1300	0.7	65	480	105	NL	125	110	45	5	170	<0.7	3	<0.5	<0.05
Pt10	0.1 m	14/04/2022	<0.4	<0.4	2	2	10	<0.1	<1	5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
R3	0 m	14/04/2022	<0.4	<0.4	2	<1	9	<0.1	<1	4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt11	0.1 m	28/03/2022	<0.4	<0.4	1	<1	6	<0.1	<1	2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt12	0.5 m	28/03/2022	<0.4	<0.4	5	<1	6	<0.1	1	10	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
R1	0 m	28/03/2022	<0.4	<0.4	4	2	5	<0.1	<1	9	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt13	0.1 m	28/03/2022	<0.4	<0.4	1	<1	4	<0.1	<1	3	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt14	0.1 m	28/03/2022	<0.4	<0.4	1	<1	7	<0.1	<1	2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt15	0.1 m	14/04/2022	<0.4	<0.4	5	48	21	<0.1	3	6	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
R4	0 m	14/04/2022	<0.4	<0.4	4	1	18	<0.1	<1	6	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt16	0.5 m	14/04/2022	5	0.5	7	1	11	<0.1	1	10	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt17	0.5 m	29/03/2022	<0.4	<0.4	9	<1	10	<0.1	1	4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt18	0.1 m	29/03/2022	<0.4	<0.4	5	<1	10	<0.1	<1	5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt19	0.1 m	29/03/2022	<0.4	<0.4	5	<1	12	<0.1	<1	8	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt20	0.1 m	14/04/2022	<0.4	<0.4	3	<1	15	<0.1	<1	4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt21	0.1 m	28/03/2022	6	<0.4	3	<1	6	<0.1	<1	1	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt22	0.5 m	28/03/2022	16	<0.4	6	<1	12	<0.1	1	4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt23	0.1 m	29/03/2022	<0.4	<0.4	7	2	14	<0.1	<1	7	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt24	0.5 m	29/03/2022	28	<0.4	6	3	45	<0.1	1	34	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt25	0.1 m	29/03/2022	<0.4	<0.4	5	1	13	<0.1	2	12	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt26	0.1 m	29/03/2022	4	<0.4	2	1	6	<0.1	<1	5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt27	0.5 m	29/03/2022	16	<0.4	8	<1	11	<0.1	<1	6	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt28	0.1 m	29/03/2022	<0.4	<0.4	1	<1	5	<0.1	<1	2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt29	0.5 m	29/03/2022	5	<0.4	5	<1	8	<0.1	1	7	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt30	0.1 m	29/03/2022	<0.4	<0.4	2	<1	18	<0.1	<1	2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt31	0.5 m	29/03/2022	<0.4	<0.4	6	1	10	<0.1	2	7	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt33	0.5 m	29/03/2022	<0.4	<0.4	4	<1	10	<0.1	1	5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt34	0.1 m	28/03/2022	<0.4	<0.4	3	3	9	<0.1	<1	9	<25	130	130	130	680	130	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt35	0.1 m	28/03/2022	<0.4	<0.4	10	8	25	<0.1	8	47	<25	<50	<25	<50	210	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt36	0.1 m	28/03/2022	<0.4	<0.4	2	2	89	<0.1	4	41	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						
Pt36	0.5 m	28/03/2022	<0.4	<0.4	9	<1	6	<0.1	2	5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<0.1	<0.05	<0.5	<0.05						

**Lab result**  
■ HL/HSL exceedance ■ EL/ESL exceedance ■ HL/HSL and EL/ESL exceedance ■ ML exceedance ■ ML and HL/HSL or EL/ESL exceedance  
■ Indicates that asbestos has been detected by the lab, refer to the lab report ■ DC exceedance ■ HSL 0<1 Exceedance

**Bold** = Lab detections - = Not tested or No HL/HSL/EL/ESL (as applicable) or Not applicable NL = Non limiting AD = Asbestos detected NAD = No Asbestos detected  
 HL = Health investigation level HSL = Health screening level (excluding DC) EL = Ecological investigation level ESL = Ecological screening level ML = Management Limit DC = Direct Contact HSL

**Notes:**  
 a QA/QC replicate of sample listed directly below the primary sample  
 b Reported naphthalene laboratory result obtained from BTEXN suite  
 c Criteria applies to DDT only

**Site Assessment Criteria (SAC):**  
 Refer to the SAC section of report for information of SAC sources and rationale. Summary information as follows:  
 SAC based on generic land use thresholds for Residential A with garden/accessible soil  
 HL A Residential / Low - High Density (NEPC, 2013)  
 HSL A/B Residential / Low - High Density (vapour intrusion) (NEPC, 2013)  
 DC HSL A Direct contact HSL A Residential (Low density) (direct contact) (CRC CARE, 2011)  
 EL/ESL UR/POS Urban Residential and Public Open Space (NEPC, 2013)  
 ML R/PP/OS Residential, Parkland and Public Open Space (NEPC, 2013)



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## **Appendix J**

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Test Pit Logs



## Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are based on Australian Standard AS 1726, Geotechnical Site Investigations Code. In general, the descriptions include strength or density, colour, structure, soil or rock type and inclusions.

## Soil Types

Soil types are described according to the predominant particle size, qualified by the grading of other particles present:

Type	Particle size (mm)
Boulder	>200
Cobble	63 - 200
Gravel	2.36 - 63
Sand	0.075 - 2.36
Silt	0.002 - 0.075
Clay	<0.002

The sand and gravel sizes can be further subdivided as follows:

Type	Particle size (mm)
Coarse gravel	20 - 63
Medium gravel	6 - 20
Fine gravel	2.36 - 6
Coarse sand	0.6 - 2.36
Medium sand	0.2 - 0.6
Fine sand	0.075 - 0.2

The proportions of secondary constituents of soils are described as:

Term	Proportion	Example
And	Specify	Clay (60%) and Sand (40%)
Adjective	20 - 35%	Sandy Clay
Slightly	12 - 20%	Slightly Sandy Clay
With some	5 - 12%	Clay with some sand
With a trace of	0 - 5%	Clay with a trace of sand

Definitions of grading terms used are:

- Well graded - a good representation of all particle sizes
- Poorly graded - an excess or deficiency of particular sizes within the specified range
- Uniformly graded - an excess of a particular particle size
- Gap graded - a deficiency of a particular particle size with the range

## Cohesive Soils

Cohesive soils, such as clays, are classified on the basis of undrained shear strength. The strength may be measured by laboratory testing, or estimated by field tests or engineering examination. The strength terms are defined as follows:

Description	Abbreviation	Undrained shear strength (kPa)
Very soft	vs	<12
Soft	s	12 - 25
Firm	f	25 - 50
Stiff	st	50 - 100
Very stiff	vst	100 - 200
Hard	h	>200

## Cohesionless Soils

Cohesionless soils, such as clean sands, are classified on the basis of relative density, generally from the results of standard penetration tests (SPT), cone penetration tests (CPT) or dynamic penetrometers (PSP). The relative density terms are given below:

Relative Density	Abbreviation	SPT N value	CPT qc value (MPa)
Very loose	vl	<4	<2
Loose	l	4 - 10	2 - 5
Medium dense	md	10 - 30	5 - 15
Dense	d	30 - 50	15 - 25
Very dense	vd	>50	>25

# *Soil Descriptions*

## **Soil Origin**

It is often difficult to accurately determine the origin of a soil. Soils can generally be classified as:

- Residual soil - derived from in-situ weathering of the underlying rock;
- Transported soils - formed somewhere else and transported by nature to the site; or
- Filling - moved by man.

Transported soils may be further subdivided into:

- Alluvium - river deposits
- Lacustrine - lake deposits
- Aeolian - wind deposits
- Littoral - beach deposits
- Estuarine - tidal river deposits
- Talus - scree or coarse colluvium
- Slopewash or Colluvium - transported downslope by gravity assisted by water. Often includes angular rock fragments and boulders.



## Rock Strength

Rock strength is defined by the Point Load Strength Index ( $IS_{(50)}$ ) and refers to the strength of the rock substance and not the strength of the overall rock mass, which may be considerably weaker due to defects. The test procedure is described by Australian Standard 4133.4.1 - 1993. The terms used to describe rock strength are as follows:

Term	Abbreviation	Point Load Index $IS_{(50)}$ MPa	Approx Unconfined Compressive Strength MPa*
Extremely low	EL	<0.03	<0.6
Very low	VL	0.03 - 0.1	0.6 - 2
Low	L	0.1 - 0.3	2 - 6
Medium	M	0.3 - 1.0	6 - 20
High	H	1 - 3	20 - 60
Very high	VH	3 - 10	60 - 200
Extremely high	EH	>10	>200

\* Assumes a ratio of 20:1 for UCS to  $IS_{(50)}$

## Degree of Weathering

The degree of weathering of rock is classified as follows:

Term	Abbreviation	Description
Extremely weathered	EW	Rock substance has soil properties, i.e. it can be remoulded and classified as a soil but the texture of the original rock is still evident.
Highly weathered	HW	Limonite staining or bleaching affects whole of rock substance and other signs of decomposition are evident. Porosity and strength may be altered as a result of iron leaching or deposition. Colour and strength of original fresh rock is not recognisable
Moderately weathered	MW	Staining and discolouration of rock substance has taken place
Slightly weathered	SW	Rock substance is slightly discoloured but shows little or no change of strength from fresh rock
Fresh stained	Fs	Rock substance unaffected by weathering but staining visible along defects
Fresh	Fr	No signs of decomposition or staining

## Degree of Fracturing

The following classification applies to the spacing of natural fractures in diamond drill cores. It includes bedding plane partings, joints and other defects, but excludes drilling breaks.

Term	Description
Fragmented	Fragments of <20 mm
Highly Fractured	Core lengths of 20-40 mm with some fragments
Fractured	Core lengths of 40-200 mm with some shorter and longer sections
Slightly Fractured	Core lengths of 200-1000 mm with some shorter and loner sections
Unbroken	Core lengths mostly > 1000 mm

# Rock Descriptions

## Rock Quality Designation

The quality of the cored rock can be measured using the Rock Quality Designation (RQD) index, defined as:

$$\text{RQD \%} = \frac{\text{cumulative length of 'sound' core sections} \geq 100 \text{ mm long}}{\text{total drilled length of section being assessed}}$$

where 'sound' rock is assessed to be rock of low strength or better. The RQD applies only to natural fractures. If the core is broken by drilling or handling (i.e. drilling breaks) then the broken pieces are fitted back together and are not included in the calculation of RQD.

## Stratification Spacing

For sedimentary rocks the following terms may be used to describe the spacing of bedding partings:

Term	Separation of Stratification Planes
Thinly laminated	< 6 mm
Laminated	6 mm to 20 mm
Very thinly bedded	20 mm to 60 mm
Thinly bedded	60 mm to 0.2 m
Medium bedded	0.2 m to 0.6 m
Thickly bedded	0.6 m to 2 m
Very thickly bedded	> 2 m



# Symbols & Abbreviations

# Douglas Partners



## Introduction

These notes summarise abbreviations commonly used on borehole logs and test pit reports.

## Drilling or Excavation Methods

C	Core Drilling
R	Rotary drilling
SFA	Spiral flight augers
NMLC	Diamond core - 52 mm dia
NQ	Diamond core - 47 mm dia
HQ	Diamond core - 63 mm dia
PQ	Diamond core - 81 mm dia

## Water

▷	Water seep
▽	Water level

## Sampling and Testing

A	Auger sample
B	Bulk sample
D	Disturbed sample
E	Environmental sample
U <sub>50</sub>	Undisturbed tube sample (50mm)
W	Water sample
pp	pocket penetrometer (kPa)
PID	Photo ionisation detector
PL	Point load strength Is(50) MPa
S	Standard Penetration Test
V	Shear vane (kPa)

## Description of Defects in Rock

The abbreviated descriptions of the defects should be in the following order: Depth, Type, Orientation, Coating, Shape, Roughness and Other. Drilling and handling breaks are not usually included on the logs.

## Defect Type

B	Bedding plane
Cs	Clay seam
Cv	Cleavage
Cz	Crushed zone
Ds	Decomposed seam
F	Fault
J	Joint
Lam	lamination
Pt	Parting
Sz	Sheared Zone
V	Vein

## Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

h	horizontal
v	vertical
sh	sub-horizontal
sv	sub-vertical

## Coating or Infilling Term

cln	clean
co	coating
he	healed
inf	infilled
stn	stained
ti	tight
vn	veneer

## Coating Descriptor

ca	calcite
cbs	carbonaceous
cly	clay
fe	iron oxide
mn	manganese
slt	silty

## Shape

cu	curved
ir	irregular
pl	planar
st	stepped
un	undulating

## Roughness

po	polished
ro	rough
sl	slickensided
sm	smooth
vr	very rough


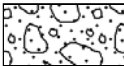
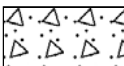

## Other

fg	fragmented
bnd	band
qtz	quartz



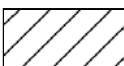
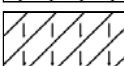
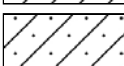
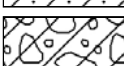
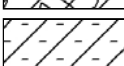



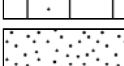
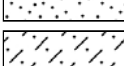
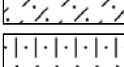
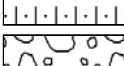
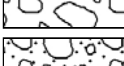
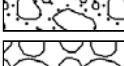

# Symbols & Abbreviations

## Graphic Symbols for Soil and Rock




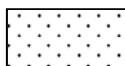
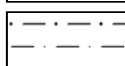
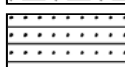
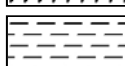
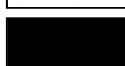
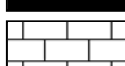
### General

	Asphalt
	Road base
	Concrete
	Filling

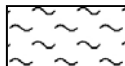
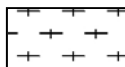

### Soils

	Topsoil
	Peat
	Clay
	Silty clay
	Sandy clay
	Gravelly clay
	Shaly clay
	Silt
	Clayey silt
	Sandy silt
	Sand
	Clayey sand
	Silty sand
	Gravel
	Sandy gravel
	Cobbles, boulders
	Talus

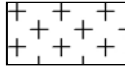
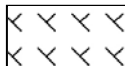
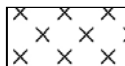
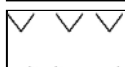
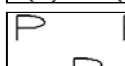
### Sedimentary Rocks

	Boulder conglomerate
	Conglomerate
	Conglomeratic sandstone
	Sandstone
	Siltstone
	Laminite
	Mudstone, claystone, shale
	Coal
	Limestone

### Metamorphic Rocks

	Slate, phyllite, schist
	Gneiss
	Quartzite

### Igneous Rocks

	Granite
	Dolerite, basalt, andesite
	Dacite, epidote
	Tuff, breccia
	Porphyry

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773930  
**NORTHING:** 6154852

**PIT No:** 1  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.3	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Aluvial		E	0.5								
	0.8	Silty CLAY (CH): high plasticity, pale orange, mottled grey, trace fine to coarse grained sand, moist, w~PL, stiff, Residual		E	1.0								
	0.9	Silty CLAY (CI/CH): medium to high plasticity, orange brown, mottled yellow, with fine to coarse grained sand, moist, w~PL, stiff, Residual		E	1.0								
	1	GRANODIORITE: fine to coarse grained, orange brown, mottled grey, low strength, highly weathered, highly fractured		E	1.0								
	1.8	-from 1.6m, grey, mottled orange brown, low to medium strength, moderately to high weathered, fractured											
	2	Pit discontinued at 1.8m -slow progress											

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773932  
**NORTHING:** 6154851

**PIT No:** 2  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial											
		Silty CLAY (CH): high plasticity, pale orange, mottled grey, trace fine to coarse grained sand, moist, w~PL, stiff, Residual			0.4								
				B	0.5								
				D	0.5								
				E	0.6								
	0.8	Silty CLAY (CI/CH): medium to high plasticity, orange brown, mottled yellow, with fine to coarse grained sand, moist, w~PL, Residual											
1	1.0	GRANODIORITE: fine to coarse grained, yellow brown, low to medium strength, moderately to highly weathered, fractured		E	1.0			1					
	1.1			D	1.1								
	1.3	Pit discontinued at 1.3m -slow progress											
2													

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774020  
**NORTHING:** 6154877

**PIT No:** 3  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial											
		Silty CLAY (CH): high plasticity, pale orange, mottled grey, trace fine to coarse grained sand, moist, w~PL, stiff, Residual		D	0.5								
	0.6	Silty CLAY (CI/CH): medium to high plasticity, orange brown, mottled yellow, with fine to coarse grained sand, moist, w~PL, stiff, Residual		E									
	0.8	GRANODIORITE: fine to coarse grained, yellow brown, very low to low strength strength, highly weathered, fractured		E	1.0								
		-from 1.2m, low to medium strength, highly to moderately weathered		D	1.2								
	1.4	Pit discontinued at 1.4m -slow progress											

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PI(D)	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774057  
**NORTHING:** 6154815

**PIT No:** 4  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)									
				Type	Depth	Sample	Results & Comments		5	10	15	20						
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1													
	0.3	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, trace cobbles and boulders, moist to wet, w>PL, firm, Alluvial		E	0.1													
	0.3	Silty CLAY (CI/CH): medium to high plasticity, orange brown, mottled yellow, with fine to coarse grained sand, moist, w~PL, stiff, Residual		D	0.4													
	0.6	Pit discontinued at 0.6m -refusal		E	0.5													
	1																	
	2																	

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon, surface boulder and rocky outcrop

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774070  
**NORTHING:** 6154884

**PIT No:** 5  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial											
		Silty CLAY (CH): high plasticity, pale orange, mottled grey, trace fine to coarse grained sand, moist, w~PL, stiff, Residual		E	0.5								
	0.7	Silty CLAY (CI/CH): medium to high plasticity, orange brown, mottled yellow, with fine to coarse grained sand, moist, w~PL, stiff, Residual											
	0.9	GRANODIORITE: fine to coarse grained, yellow brown, low to medium strength, moderately to highly weathered, fractured		E	1.0								
	1.2	-from 1.1m, medium to high strength, moderately weathered											
		Pit discontinued at 1.2m -refusal											

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774118  
**NORTHING:** 6154854

**PIT No:** 6  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm)										
				Type	Depth	Sample	Results & Comments		5	10	15	20							
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1														
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial																	
		Silty CLAY (CH): high plasticity, pale orange, mottled grey, trace fine to coarse grained sand, moist, w~PL, stiff, Residual			0.4		pp = 280-310												
				B	0.5														
				E	0.6														
	0.8	Sandy CLAY (CI): medium plasticity, orange, mottled grey, fine to coarse grained sand, moist to dry, w<PL, stiff, Residual																	
	1			D	1.0														
				E															
	1.2	GRANODIORITE: fine to coarse grained, yellow brown, low strength, highly weathered, highly fractured																	
2	2.0	Pit discontinued at 2.0m -slow progress																	

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774194  
**NORTHING:** 6154893

**PIT No:** 7  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1									
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial												
		Silty CLAY (CH): high plasticity, orange brown, mottled grey, with fine to coarse grained sand, moist to dry, w~PL, very stiff, Residual		D	0.5		pp = 280-350							
	0.8	Silty CLAY (CI/CH): medium to high plasticity, grey, mottled orange, trace fine to coarse grained sand, moist to dry, w~PL, stiff to very stiff, extremely weathered, Residual		E	1.0									
	1.1	Silty CLAY (CI): medium plasticity, grey white, mottled red, with fine to coarse grained sand, trace fine gravel and granodiorite fragments, moist to dry, w~PL, stiff to very stiff, extremely weathered		D	1.5									
	2.0	GRANODIORITE: fine to coarse grained, grey white, low to medium strength, moderately weathered, fractured												
	2.2	Pit discontinued at 2.2m -slow progress												

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load diametral test Is(50) (MPa)
		PL(A)	Point load axial test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774243  
**NORTHING:** 6154861

**PIT No:** 8  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.3	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial		E	0.3								
	0.7	Sandy CLAY (CI): medium plasticity, orange, mottled grey, fine to coarse grained sand, moist to dry, w~PL, stiff, Residual		B E	0.4 0.5 0.6								
	1.0	Silty CLAY (CH): high plasticity, grey, mottled orange, with fine to coarse grained sand, moist to dry, w~PL, stiff to very stiff		D E	0.8 1.0								
	1.2	GRANODIORITE: fine to coarse grained, orange brown, low to medium strength, highly to moderately weathered, fractured											
	1.4	Pit discontinued at 1.4m -slow progress											

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774343.9  
**NORTHING:** 6154926

**PIT No:** 9  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, with rootlets, moist to wet, TOPSOIL		E	0.1								
	0.3	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial											
	0.7	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual		B D E D	0.4 0.5 0.6		pp = 220-250						
	1.0	Silty CLAY (CI/CH): medium to high plasticity, grey mottled orange, trace fine to coarse grained sand and fine gravel, moist to dry, w<PL, very stiff, extremely weathered		D	0.8		pp = 220-250						
	1.1	GRANODIORITE: fine to coarse grained, orange brown, medium strength, moderately weathered		D	1.0		pp = 260-290						
	1.2	Pit discontinued at 1.2m -slow progress											

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774174  
**NORTHING:** 6154819

**PIT No:** 10  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.3	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial											
	0.8	Silty CLAY (CH): high plasticity, orange brown, mottled grey, with fine to coarse grained sand, moist, w~PL, stiff, Residual		D E	0.5		pp = 200-210 pp = 150-190						
	1.0	Silty CLAY (CI): medium plasticity, grey, mottled orange, with fine to coarse grained sand, trace fine gravel and granodiorite fragments, moist, w~PL, stiff to very stiff		D	0.9		pp = 180-210						
1	1.0	GRANODIORITE: fine to coarse grained, grey, mottled orange, low to medium strength, moderately to highly weathered, fractured		E	1.0			1					
	1.2	Pit discontinued at 1.2m -slow progress											
	2							2					

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774269.7  
**NORTHING:** 6154811

**PIT No:** 11  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.25	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial		E	0.25								
	0.4	Silty CLAY (CH): high plasticity, pale brown, mottled orange, trace fine grained sand, moist to dry, w~PL, stiff, alluvial		D	0.3								
	0.7	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, stiff, residual		E	0.5								
	0.9	Silty CLAY (CI/CH): medium to high plasticity, grey mottled orange, trace fine to coarse grained sand and fine gravel, moist to dry, w<PL, very stiff, extremely weathered		D	0.6								
	1.0	GRANODIORITE: fine to coarse grained, orange brown, low strength, moderately weathered		E	1.0								
	1.0	Pit discontinued at 1.0m -slow progress											

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774350  
**NORTHING:** 6154842

**PIT No:** 12  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1									
	0.2	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial												
		Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual		D	0.4		pp = 250-300							
				E	0.5		pp = 250-300							
	0.6	Silty CLAY (CI/CH): medium to high plasticity, grey mottled orange, trace fine to coarse grained sand and fine gravel, moist to dry, w<PL, very stiff, extremely weathered												
	0.8	GRANODIORITE: fine grained, orange brown, mottled grey, very low to low strength, highly weathered												
	1			D	1.0									
		-from 1.1m, highly to moderately weathered		E										
	1.4	Pit discontinued at 1.4m -slow progress												
	2													

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774304.4  
**NORTHING:** 6154761

**PIT No:** 13  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1		PID=1.2	1					
	0.3	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial											
	0.4	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist, w~PL, soft to firm, alluvial			0.4		pp = 200-250						
	0.6	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual			0.5		pp = 250-290						
	0.6	Sandy CLAY (CI/CH): grey brown, mottled orange, fine to coarse grained sand, moist to dry, w~PL, stiff to very stiff			0.6								
	0.8			D	0.8		pp = 180-250						
	1.0	GRANODIORITE: fine to coarse grained, grey brown mottled orange, medium strength, moderately weathered		E	1.0								
	1.2	Pit discontinued at 1.2m -slow progress											
	2.0												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	≻	Water seep
E	Environmental sample	≻	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 77433.5  
**NORTHING:** 6154737

**PIT No:** 14  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial											
		Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual											
	0.6	Silty CLAY (CI/CH): medium to high plasticity, grey mottled orange, trace fine to coarse grained sand and fine gravel, moist to dry, w<PL, very stiff, extremely weathered		D	0.5								
	0.7			E									
	0.8	GRANODIORITE: fine to coarse grained, grey, mottled orange, medium strength, moderately weathered		E	0.8								
		Pit discontinued at 0.8m -slow progress											
1													
2													

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		PI(D)	Photo ionisation detector (ppm)



# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774092  
**NORTHING:** 6154774

**PIT No:** 15  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial											
	0.3	Clayey SAND (SC): fine to coarse grained, pale brown, trace fine gravel, wet, medium dense, Alluvial											
	0.4	Silty CLAY (CH): high plasticity, pale orange, mottled grey, trace fine to coarse grained sand, moist, w~PL, stiff, Residual		B	0.4								
	0.5			D	0.5		pp = 180-200						
	0.6			E	0.6								
	0.7	Silty CLAY (CH): high plasticity, grey white, mottled orange, trace fine to coarse grained sand, moist to dry, w~PL, stiff to very stiff											
	0.9			D	0.9		pp = 340-360						
	1.0	-from 1.0m, trace granodiorite fragments		E	1.0								
	1.1	GRANODIORITE: fine to coarse grained, orange brown, mottled grey white, very low to low strength, highly weathered, highly fractured											
	1.8			D	1.8								
	2.6	Pit discontinued at 2.6m -limit of investigation											

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	∇	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774212  
**NORTHING:** 6154743

**PIT No:** 16  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial		E	0.2								
	0.4	Clayey SAND (SC): fine to coarse grained, pale brown, trace fine gravel, wet, medium dense, Alluvial		E	0.4								
	0.6	Silty CLAY (CH): high plasticity, orange brown, mottled grey, with fine to coarse grained sand, moist, w~PL, stiff, Residual		B	0.6								
	0.8	Sandy CLAY (CI): medium plasticity, orange brown, mottled grey, fine to coarse grained sand, moist, w~PL, stiff		E	0.8								
	1.0	GRANODIORITE: fine to coarse grained, grey, mottled orange, low to medium strength, moderately to highly weathered, fractured		E	1.0								
1	1.0	Pit discontinued at 1.0m -slow progress		E	1.0								
2													

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load diametral test Is(50) (MPa)
		PL(A)	Point load axial test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773897  
**NORTHING:** 6154750

**PIT No:** 17  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w~PL, soft, alluvial											
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial											
	0.4	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual			0.4		pp = 160-180						
	0.5			B									
	0.6			E			pp = 200-250						
	0.6			D									
	1.0	-from 0.8m, yellow brown, mottled grey											
	1.0			E	1.0								
	1.1	Silty CLAY (CI/CH): medium to high plasticity, yellow brown, mottled grey, with fine to coarse grained sand, moist, w~PL, stiff, extremely weathered											
	1.2	GRANODIORITE: fine to coarse grained, orange brown, low to medium strength, moderately weathered											
	1.6	Pit discontinued at 1.6m -slow progress											
	2.0												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773983  
**NORTHING:** 6154758

**PIT No:** 18  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w=PL, soft, alluvial											
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial											
		Silty CLAY (CH): high plasticity, yellow brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		E	0.5								
				D	0.7								
	0.8	Silty CLAY (CI): medium plasticity, yellow brown, mottled grey, with fine to coarse grained sand, moist, w~PL, extremely weathered											
1	1.0	GRANODIORITE: fine to coarse grained, grey mottled yellow brown, low to medium strength, moderately to highly weathered, fractured		E	1.0								
	1.2	Pit discontinued at 1.2m -slow progress											
	2												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 770404.9  
**NORTHING:** 6154739

**PIT No:** 19  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1									
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w=PL, soft, alluvial												
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial												
		Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		D	0.4		pp = 110-150							
				D	0.5		pp = 130-150							
					0.8		pp = 150-160							
	0.9	Silty CLAY (CI): medium plasticity, grey mottled orange, with fine to coarse grained sand, moist, w~PL, stiff, extremely weathered granodiorite		D	1.0		pp = 150-200							
	1.2	granodiorite: fine to coarse grained, grey brown mottled orange, low strength, highly weathered, highly fractured		D	1.4									
		-from 1.6m, low to medium strength												
	1.8	Pit discontinued at 1.8m -slow progress												
	2													

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	W	Water seep
E	Environmental sample	W	Water level
		PL(D)	Point load diametral test Is(50) (MPa)
		PL(A)	Point load axial test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774160  
**NORTHING:** 6154718

**PIT No:** 20  
**PROJECT No:** 88505.07  
**DATE:** 14/4/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Sandy SILT (ML): dark brown, fine to coarse grained sand, with rootlets, moist to wet, w>PL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w>PL, firm, Alluvial											
	0.4	Clayey SAND (SC): fine to coarse grained, pale brown, trace fine gravel, wet, medium dense, Alluvial											
	0.6	Silty CLAY (CH): high plasticity, orange brown, mottled grey, with fine to coarse grained sand, moist, w~PL, stiff, Residual		E	0.5		pp = 150-200						
	0.6	Sandy CLAY (CI): medium plasticity, orange brown, mottled grey, fine to coarse grained sand, moist, w~PL, stiff		D	0.7		pp = 180-200						
	0.9	GRANODIORITE: fine to coarse grained, grey, mottled orange, low to medium strength, moderately to highly weathered, fractured		E	1.0								
	1.1	Pit discontinued at 1.1m -slow progress											
	2												

**RIG:** Hitachi 160LC mini-excavator fitted with a 600mm wide bucket

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774244  
**NORTHING:** 6154710

**PIT No:** 21  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, brown, fine to coarse grained sand, with fine gravel, moist, w~PL, firm, alluvial											
	0.4	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial			0.4		pp = 240-250						
	0.5	Silty CLAY (CH): high plasticity, grey, mottled orange trace fine to coarse grained sand, moist, w~PL, very stiff, residual		D	0.5								
	0.6			E	0.6		pp = 250-280						
	0.7	Silty CLAY (CI/CH): medium to high plasticity, grey mottled orange, trace fine to coarse grained sand and fine gravel, moist to dry, w<PL, very stiff, extremely weathered											
	0.8	GRANODIORITE: fine to coarse grained, grey, mottled orange, low to medium strength, moderately weathered, highly fractured											
1	1.0	Pit discontinued at 1.0m -slow progress		E	1.0								
2													

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	▷	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774320.6  
**NORTHING:** 6154663

**PIT No:** 22  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, brown, fine to coarse grained sand, with fine gravel, moist, w~PL											
	0.3	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial											
		Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual		D	0.5								
	0.7	Silty CLAY (CH): grey mottled orange, trace fine to coarse grained sand, moist, w~PL, stiff, extremely weathered		D	0.8								
1	1.0	GRANODIORITE: fine to coarse grained, grey, mottled orange, low to medium strength, moderately weathered, highly fractured		E	1.0								
	1.2	Pit discontinued at 1.2m -slow progress											
2													

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	▷	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)



# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773849  
**NORTHING:** 6154699

**PIT No:** 23  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)									
				Type	Depth	Sample	Results & Comments		5	10	15	20						
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist to wet, TOPSOIL		E	0.1													
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w=PL, soft to firm, alluvial																
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial																
		Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		E	0.5													
				D	0.8													
	0.9	Silty CLAY (CH): high plasticity, grey, mottled yellow brown, trace fine to coarse grained sand, moist, w~PL, stiff, extremely weathered		E	1.0													
	1.1	GRANODIORITE: grey, mottled white, fine to coarse grained, low to medium strength, moderately weathered, fractured																
	1.4	Pit discontinued at 1.4m -slow progress																
	2																	

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773928  
**NORTHING:** 6154675

**PIT No:** 24  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist to wet, TOPSOIL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w=PL, soft to firm, alluvial											
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial											
	0.4	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		D	0.4								
	0.5			E	0.5								
	0.6												
	0.7	Silty CLAY (CH): high plasticity, grey, mottled white red orange, trace fine to coarse grained sand, rock fragments, moist, w~PL, stiff		D	0.7								
	0.9												
	1.0	GRANODIORITE: fine grained, white grey, medium strength, slightly weathered, highly fractured, trace silty clay pockets		E	1.0								
	1.1			D	1.1								
	1.3	Pit discontinued at 1.3m -slow progress											
	2												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774010  
**NORTHING:** 6154721

**PIT No:** 25  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)										
				Type	Depth	Sample	Results & Comments		5	10	15	20							
	0.1	TOPSOIL/Silty SAND (SM): dark brown, fine to coarse grained, trace fine to medium gravel, brick fragments		E	0.1														
	0.3	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, with silt, trace fine gravel and brick fragments, moist to dry, w~PL, possible Fill																	
	0.4	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial																	
	0.6	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		E	0.5														
	1.0	Silty CLAY (CI/CH): medium to high plasticity, yellow brown, mottled grey, fine to coarse grained, fine to medium gravel, trace granodiorite fragments, moist, w~PL, stiff, extremely weathered		D	0.8														
	1.2	GRANODIORITE: fine to coarse grained, grey mottled yellow brown, low strength to medium strength, moderately weathered to highly weathered, fractured		E	1.0														
	1.2	Pit discontinued at 1.2m -slow progress																	
	2.0																		

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

A Auger sample	G Gas sample	PLD Photo ionisation detector (ppm)
B Bulk sample	P Piston sample	PL(A) Point load axial test Is(50) (MPa)
BLK Block sample	U Tube sample (x mm dia.)	PL(D) Point load diametral test Is(50) (MPa)
C Core drilling	W Water sample	pp Pocket penetrometer (kPa)
D Disturbed sample	W Water seep	S Standard penetration test
E Environmental sample	W Water level	V Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774123.8  
**NORTHING:** 6154684

**PIT No:** 26  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)									
				Type	Depth	Sample	Results & Comments		5	10	15	20						
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, wet, TOPSOIL		E	0.1													
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w~PL, soft, alluvial		E	0.2													
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial		E	0.3													
	0.4	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		B	0.4		pp = 220-260											
	0.5			D	0.5													
	0.6			E	0.6		pp = 260-280											
	0.7	Silty CLAY (CI): medium plasticity, grey mottled orange, with fine to coarse grained sand, moist, w~PL, stiff, extremely weathered granodiorite		D	0.7		pp = 210-250											
	0.8	GRANODIORITE: fine to coarse grained, grey mottled orange brown, low to medium strength, moderately to highly weathered, fractured Pit discontinued at 0.8m -refusal		E	0.8		pp = 260-310											
1																		
2																		

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774281  
**NORTHING:** 6154664

**PIT No:** 27  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.3	Sandy CLAY (CL): low plasticity, brown, fine to coarse grained sand, with fine gravel, moist, w~PL		E	0.5								
	0.7	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual		E	1.0								
	1.0	GRANODIORITE: fine to coarse grained, grey, mottled orange, low to medium strength, moderately weathered, highly fractured		E	1.0								
	1.2	Pit discontinued at 1.2m -slow progress											

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773984.7  
**NORTHING:** 6154666

**PIT No:** 28  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w~PL, soft, alluvial											
	0.6	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		E	0.5								
	0.8	Silty CLAY (CH): grey, mottled yellow brown, trace fine to coarse grained sand, moist, w~PL, stiff											
	1.0	GRANODIORITE: fine to coarse grained, grey mottled yellow brown, low strength to medium strength, moderately weathered to highly weathered, fractured											
1	1.0	Pit discontinued at 1.0m -slow progress		E	1.0								
2													

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774054  
**NORTHING:** 6154660

**PIT No:** 29  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)									
				Type	Depth	Sample	Results & Comments		5	10	15	20						
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1													
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w=PL, soft, alluvial																
		Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		D	0.5		pp = 180-250											
	0.7	Silty CLAY (CI/CH): medium to high plasticity, grey white mottled orange brown, with fine to coarse grained sand, trace granodiorite fragments, moist, w~PL, stiff, ?origin?		D	0.7													
	0.8	GRANODIORITE: fine to coarse grained, grey mottled yellow brown, low strength to medium strength, moderately weathered to highly weathered, fractured																
	1.0	Pit discontinued at 1.0m -slow progress		E	1.0													
	2																	

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774190  
**NORTHING:** 6154644

**PIT No:** 30  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w=PL, soft, alluvial											
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial											
		Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		E	0.5		pp = 220-300						
	0.9	Silty CLAY (CI/CH): medium to high plasticity, grey white mottled orange brown, with fine to coarse grained sand, trace granodiorite fragments, moist, w~PL, stiff, extremely weathered		E	1.0								
	1.2	GRANODIORITE: fine to coarse grained, grey mottled orange brown, low to medium strength, moderately to highly weathered, fractured		D	1.1		pp = 250-300						
	1.5	Pit discontinued at 1.5m -slow progress											
	2												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)



# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773866  
**NORTHING:** 6154649

**PIT No:** 31  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1								
	0.2	Silty CLAY (CL): low plasticity, pale grey brown, with fine to coarse grained sand and fine gravel, moist, w~PL, firm, alluvial											
	0.3	Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial											
	0.4	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, firm to stiff, residual		B			pp = 180-200						
	0.5			E									
	0.6			D			pp = 220-250						
	0.9	Silty CLAY (CI/CH): medium to high plasticity, grey mottled orange brown, trace fine to coarse grained sand, granodiorite fragments, moist, w~PL, stiff, extremely weathered granodiorite		E	1.0		pp = 220-250						
	1.1			D									
	1.4	GRANODIORITE: fine to coarse grained, grey mottled yellow brown, low to medium strength, moderately to highly weathered, fractured											
	1.6	Pit discontinued at 1.6m -slow progress											
	2												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 773975  
**NORTHING:** 6154616

**PIT No:** 33  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist to wet, TOPSOIL		E	0.1									
	0.2	Sandy CLAY (CL): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, moist to wet, w=PL, soft, alluvial												
		Clayey SAND (SC): fine to coarse grained, pale grey brown, with fine gravel, wet, medium dense, alluvial			0.4									
	0.5	Silty CLAY (CH): high plasticity, grey mottled yellow brown, trace fine to coarse grained sand, moist, w~PL, stiff, extremely weathered		B										
	0.6			D										
	0.7	GRANODIORITE: fine to coarse grained, orange brown mottled grey, low to medium strength, moderately weathered, fractured		E	0.5									
		Pit discontinued at 0.7m -slow progress												
1														
2														

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774401.7  
**NORTHING:** 6154924

**PIT No:** 34  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL/Silty SAND (SM): fine to coarse grained, dark brown, moist, TOPSOIL		E	0.1		PID = 1.4						
	0.4	Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to dry, medium dense, alluvial		E	0.4		pp = 250-280						
	0.9	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual		B E D	0.5 0.6		PID = 16.5 pp = 200-250						
	1.1	Silty CLAY (CI/CH): medium to high plasticity, grey mottled orange, trace fine to coarse grained sand and fine gravel, moist to dry, w<PL, very stiff, extremely weathered		D	1.0		pp = 300-400						
	1.4	GRANODIORITE: fine to coarse grained, orange brown, low strength, moderately weathered  -from 1.3m, low to medium strength											
	1.4	Pit discontinued at 1.4m -slow progress											
	2												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PID	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774481  
**NORTHING:** 6154906

**PIT No:** 35  
**PROJECT No:** 88505.07  
**DATE:** 29/3/2022  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)				
				Type	Depth	Sample	Results & Comments		5	10	15	20	
	0.1	TOPSOIL FILL/Sandy GRAVEL (GW): fine to coarse gravel, pale brown, fine to coarse grained sand, moist, FILL		E	0.1								
	0.2	Silty CLAY (CL): low plasticity, dark grey brown, with fine to coarse grained sand, trace fine gravel, moist, w~PL, stiff, alluvial											
		Clayey SAND (SC): fine to coarse grained, grey mottled orange, moist to wet, medium dense, alluvial		D	0.4								
				B	0.5								
				E	0.6								
	0.6	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, extremely weathered		D	0.7								
	0.9	GRANODIORITE: fine to coarse grained, orange brown, low to medium strength, moderately weathered											
1	1.0	Pit discontinued at 1.0m -slow progress		E	1.0								
	2												

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PL(D)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

# TEST PIT LOG

**CLIENT:** Darraby Pty Ltd  
**PROJECT:** Proposed Subdivision  
**LOCATION:** Goulburn Street, Marulan

**SURFACE LEVEL:** --  
**EASTING:** 774523  
**NORTHING:** 6154869

**PIT No:** 36  
**PROJECT No:** 88505.07  
**DATE:** 28/3/2002  
**SHEET 1 OF 1**

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per 150mm)					
				Type	Depth	Sample	Results & Comments		5	10	15	20		
	0.1	TOPSOIL FILL/Sandy GRAVEL (GW): fine to coarse gravel, pale brown, fine to coarse grained sand, moist, FILL	[Cross-hatched pattern]	E	0.1		pp = 280-300							
		FILL/Sandy CLAY (CL): low plasticity, brown, fine to coarse grained sand, with fine gravel, moist to dry, w<PL, very stiff, FILL		D	0.3									
	0.4	Silty CLAY (CH): high plasticity, orange brown mottled grey, trace fine to coarse grained sand, moist, w~PL, very stiff, residual	[Diagonal lines pattern]	B	0.4									
				D	0.5									
				E	0.6									
	0.8	Silty CLAY (CI): medium plasticity, orange brown mottled grey, with fine to coarse grained sand, trace find gravel, moist, w~PL, stiff, extremely weathered material	[Diagonal lines pattern]	D	0.9									
				D	1.0									
	1.0	GRANODIORITE: fine to coarse grained, orange brown, medium strength, moderately weathered	[Cross-hatched pattern]	D	1.0									
	1.1	Pit discontinued at 1.1m -refusal		E										
	2													

**RIG:** Bobcat E50 mini excavator

**LOGGED:** EAGL

**SURVEY DATUM:** MGA94 Zone 55

**WATER OBSERVATIONS:** No free groundwater observed

**REMARKS:** Surface levels and coordinates are approximate only and must not be relied upon

Sand Penetrometer AS1289.6.3.3  
 Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND			
A	Auger sample	G	Gas sample
B	Bulk sample	P	Piston sample
BLK	Block sample	U	Tube sample (x mm dia.)
C	Core drilling	W	Water sample
D	Disturbed sample	>	Water seep
E	Environmental sample	≡	Water level
		PLD	Photo ionisation detector (ppm)
		PL(A)	Point load axial test Is(50) (MPa)
		PL(D)	Point load diametral test Is(50) (MPa)
		pp	Pocket penetrometer (kPa)
		S	Standard penetration test
		V	Shear vane (kPa)

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## **Appendix K**

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Laboratory Certificates of Analysis and Chain of Custody  
Documentation

<b>Project No:</b> 88505.07		<b>Suburb:</b> Marulan		<b>To:</b> Envirolab Services	
<b>Project Manager:</b> Peter Storey		<b>Order Number:</b>		<b>Sampler:</b> EAGL	
<b>Email:</b> peter.storey@douglaspartners.com.au				<b>Attn:</b> Sample Receipt	
<b>Turnaround time:</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 72 hour <input type="checkbox"/> 48 hour <input type="checkbox"/> 24 hour <input type="checkbox"/> Same day				<b>Contact:</b> (02) 9910 6200 <a href="mailto:samplereceipt@envirolab.com.au">samplereceipt@envirolab.com.au</a>	
<b>Prior Storage:</b> <input checked="" type="checkbox"/> Fridge <input type="checkbox"/> Freezer <input type="checkbox"/> Shelf		<b>Do samples contain 'potential' HBM?</b> <input type="checkbox"/> No <input type="checkbox"/> Yes (If YES, then handle, transport and store in accordance with FPM HAZID)			

Lab ID	Sample ID			Date Sampled	Sample Type		Analytes										Notes/ Preservation/ Additional Requirements			
	Location / Other ID	Depth From	Depth To		S - soil W - water	G - glass P - plastic	Combo 6A	CEC/pH/ Clay												
1	PIT9/0.1	0.0	0.1	28/03/22	S	G	x													
2	PIT9/0.5	0.4	0.5	28/03/22	S	G														
3	PIT9/1.0	0.9	1.0	28/03/22	S	G														
4	PIT11/0.1	0.0	0.1	28/03/22	S	G	x													
5	PIT11/0.5	0.4	0.5	28/03/22	S	G														
6	PIT11/1.0	0.9	1.0	28/03/22	S	G														
7	PIT12/0.1	0.0	0.1	28/03/22	S	G														
8	PIT12/0.5	0.4	0.5	28/03/22	S	G	x	x												
9	PIT12/1.0	0.9	1.0	28/03/22	S	G														
10	PIT13/0.1	0.0	0.1	28/03/22	S	G	x													
11	PIT13/0.5	0.4	0.5	28/03/22	S	G														
12	PIT13/1.0	0.9	1.0	28/03/22	S	G														
13	PIT14/0.1	0.0	0.1	28/03/22	S	G	x													
14	PIT14/0.5	0.4	0.5	28/03/22	S	G														

<b>Metals to analyse:</b>		<b>LAB RECEIPT</b> 292327	
<b>Number of samples in container:</b>		<b>Transported to laboratory by:</b>	
<b>Send results to:</b> Douglas Partners Pty Ltd		<b>Lab Ref. No:</b>	
<b>Address:</b> Unit 2, 73 Sheppard Street, Hume ACT 263		<b>Received by:</b>	
<b>Phone:</b> (02) 6260 2788		<b>Date &amp; Time:</b>	
<b>Relinquished by:</b> Elliott Luck		<b>Signed:</b>	
<b>Date:</b> 30/03/2022		<b>Signed:</b>	

Project No:		88505.07		Suburb:		Marulan		To:		EnviroLab Services								
Project Manager:		Peter Storey		Order Number:				Dispatch date:		30/03/2022								
										12 Ashley St, Chatswood NSW 2067								
Lab ID	Sample ID			Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements	
	Location / Other ID	Depth From	Depth To		S - soil W - water	G - glass P - plastic	Combo 6A	CEC/pH/ Clay										
15	PIT14/1.0	0.9	1.0	28/03/22	S	G												
16	PIT17/0.1	0.0	0.1	29/03/22	S	G												
17	PIT17/0.5	0.4	0.5	29/03/22	S	G	x											
18	PIT17/1.0	0.9	1.0	29/03/22	S	G												
19	PIT18/0.1	0.0	0.1	29/03/22	S	G	x											
20	PIT18/0.5	0.4	0.5	29/03/22	S	G												
21	PIT18/1.0	0.9	1.0	29/03/22	S	G												
22	PIT19/0.1	0.0	0.1	29/03/22	S	G	x											
23	PIT19/0.5	0.4	0.5	29/03/22	S	G												
24	PIT19/1.0	0.9	1.0	29/03/22	S	G												
25	PIT21/0.1	0.0	0.1	28/03/22	S	G	x											
26	PIT21/0.5	0.4	0.5	28/03/22	S	G												
27	PIT21/1.0	0.9	1.0	28/03/22	S	G												
28	PIT22/0.1	0.0	0.1	28/03/22	S	G												
29	PIT22/0.5	0.4	0.5	28/03/22	S	G	x											29/03/22
30	PIT22/1.0	0.9	1.0	28/03/22	S	G												
31	PIT23/0.1	0.0	0.1	29/03/22	S	G	x	x										
32	PIT23/0.5	0.4	0.5	29/03/22	S	G												



Project No:		88505.07		Suburb:		Marulan		To:		EnviroLab Services							
Project Manager:				Peter Storey				Dispatch date:									
Lab ID	Sample ID			Date Sampled	Sample Type	Container Type	Analytes								Notes/ Preservation/ Additional Requirements		
	Location / Other ID	Depth From	Depth To		S - soil W - water	G - glass P - plastic	Combo 6A	CEC/pH/ Clay									
33	PIT23/1.0	0.9	1.0	29/03/22	S	G											
34	PIT24/0.1	0.0	0.1	29/03/22	S	G											
35	PIT24/0.5	0.4	0.5	29/03/22	S	G	x										
36	PIT24/1.0	0.9	1.0	29/03/22	S	G											
37	PIT25/0.1	0.0	0.1	29/03/22	S	G	x										
38	PIT25/0.5	0.4	0.5	29/03/22	S	G											
39	PIT25/1.0	0.9	1.0	29/03/22	S	G											
40	PIT26/0.1	0.0	0.1	29/03/22	S	G	x										
41	PIT26/0.5	0.4	0.5	29/03/22	S	G											
42	PIT26/0.8	0.7	0.8	29/03/22	S	G											
43	PIT27/0.1	0.0	0.1	29/03/22	S	G											
44	PIT27/0.5	0.4	0.5	29/03/22	S	G	x										
45	PIT27/1.0	0.9	1.0	29/03/22	S	G											
46	PIT28/0.1	0.0	0.1	29/03/22	S	G	x										
47	PIT28/0.5	0.4	0.5	29/03/22	S	G											
48	PIT28/1.0	0.9	1.0	29/03/22	S	G											292327
49	PIT29/0.1	0.0	0.1	29/03/22	S	G											
50	PIT29/0.5	0.4	0.5	29/03/22	S	G	x										
51	PIT29/1.0	0.9	1.0	29/03/22	S	G											

Project No:		88505.07		Suburb:		Marulan		To:		EnviroLab Services										
Project Manager:		Peter Storey						Dispatch date:												
Lab ID	Sample ID			Date Sampled	Sample Type	Container Type	Analytes										Notes/ Preservation/ Additional Requirements			
	Location / Other ID	Depth From	Depth To		S - soil W - water	G - glass P - plastic	Combo 6A	CEC/pH/Clay												
52	PIT30/0.1	0.0	0.1	29/03/22	S	G	x													
53	PIT30/0.5	0.4	0.5	29/03/22	S	G														
54	PIT30/1.0	0.9	1.0	29/03/22	S	G														
55	PIT31/0.1	0.0	0.1	29/03/22	S	G														
56	PIT31/0.5	0.4	0.5	29/03/22	S	G	x													
57	PIT31/1.0	0.9	1.0	29/03/22	S	G														
58	PIT33/0.1	0.0	0.1	29/03/22	S	G														
59	PIT33/0.5	0.4	0.5	29/03/22	S	G	x													
60	PIT34/0.1	0.0	0.1	28/03/22	S	G	x													
61	PIT34/0.5	0.4	0.5	28/03/22	S	G														
62	PIT34/1.0	0.9	1	28/03/22	S	G														
63	PIT35/0.1	0	0.1	28/03/22	S	G	x													
64	PIT35/0.5	0.4	0.5	28/03/22	S	G														
65	PIT35/1.0	0.9	1	28/03/22	S	G														292327
66	PIT36/0.1	0	0.1	28/03/22	S	G	x													
67	PIT36/0.5	0.4	0.5	28/03/22	S	G	x													
68	PIT36/1.0	0.9	1.0	28/03/22	S	G														
69	R1				S	G	x													
70	R2				S	G														

<b>Project No:</b> 88505.07	<b>Suburb:</b> Chatswood	<b>To:</b> Envirolab Services
<b>Project Name:</b> Proposed subdivision	<b>Order Number</b>	
<b>Project Manager:</b> Peter Storey	<b>Sampler:</b> EAGL	<b>Attn:</b>
<b>Emails:</b> peter.storey@douglaspartners.com.au	<b>Phone:</b>	
<b>Date Required:</b> Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>	<b>Email:</b>	
<b>Prior Storage:</b> <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Date Sampled	Sample Container		Analytes								Notes/preservation
			S - soil W - water	G - glass P - plastic									
PIT9/0.1	1	28/03/22	S	G									
PIT9/0.5	2	28/03/22	S	G									
PIT9/1.0	3	28/03/22	S	G									
PIT11/0.1	4	28/03/22	S	G									
PIT11/0.5	5	28/03/22	S	G									
PIT11/1.0	6	28/03/22	S	G									
PIT12/0.1	7	28/03/22	S	G									
PIT12/0.5	8	28/03/22	S	G									
PIT12/1.0	9	28/03/22	S	G									
PIT13/0.1	10	28/03/22	S	G									
PIT13/0.5	11	28/03/22	S	G									
PIT13/1.0	12	28/03/22	S	G									
PIT14/0.1	13	28/03/22	S	G									
PIT14/0.5	14	28/03/22	S	G									
PIT14/1.0	15	28/03/22	S	G									

Envirolab Services  
12 Ashby St  
Chatswood NSW 1585  
Ph: (02) 9910 6999

LAB

Doc No: 292327

Date Received: 31/03/22  
Time Received: 1000

By: kw

Temp: Cool/Ambient  
Cooling: Chexack 13°C

Security: [Signature]

<b>PQL = practical quantitation limit.</b> If none given, default to Laboratory Method Detection Limit		<b>ANZECC PQLs req'd for all water analytes</b> <input type="checkbox"/>	
<b>Metals to Analyse: 8HM unless specified here:</b>		<b>Lab Report/Reference No:</b> 292327	
<b>Total number of samples in container:</b>	<b>Relinquished by:</b>	<b>Transported to laboratory by:</b>	
<b>Send Results to:</b> Douglas Partners Pty Ltd	<b>Address:</b>	<b>Phone:</b>	<b>Fax:</b>
<b>Signed:</b> [Signature]	<b>Received by:</b> ELS	<b>Date &amp; Time:</b> 31/03/22 1000	

<b>Project No:</b> 88505.07		<b>Suburb:</b> Chatswood		<b>To:</b> Envirolab Services										
<b>Project Name:</b> Proposed subdivision		<b>Order Number</b>												
<b>Project Manager:</b> Peter Storey		<b>Sampler:</b> EAGL		<b>Attn:</b>										
<b>Emails:</b> peter.storey@douglaspartners.com.au				<b>Phone:</b>										
<b>Date Required:</b> Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>				<b>Email:</b>										
<b>Prior Storage:</b> <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved		Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID)												
Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation	
			S - soil W - water	G - glass P - plastic										
PIT17/0.1	16	29/03/22	S	G										
PIT17/0.5	17	29/03/22	S	G										
PIT17/1.0	18	29/03/22	S	G										
PIT18/0.1	19	29/03/22	S	G										
PIT18/0.5	20	29/03/22	S	G										
PIT18/1.0	21	29/03/22	S	G										
PIT19/0.1	22	29/03/22	S	G										
PIT19/0.5	23	29/03/22	S	G										
PIT19/1.0	24	29/03/22	S	G										
PIT21/0.1	25	28/03/22	S	G										
PIT21/0.5	26	28/03/22	S	G										
PIT21/1.0	27	28/03/22	S	G										
PIT22/0.1	28	28/03/22	S	G										
PIT22/0.5	29	28/03/22	S	G										
PIT22/1.0	30	28/03/22	S	G										
<b>PQL (S) mg/kg</b>												<b>ANZECC PQLs req'd for all water analytes</b> <input type="checkbox"/>		
<b>PQL = practical quantitation limit.</b> If none given, default to Laboratory Method Detection Limit												<b>Lab Report/Reference No:</b> 292327		
<b>Metals to Analyse: 8HM unless specified here:</b>														
<b>Total number of samples in container:</b>				<b>Relinquished by:</b>				<b>Transported to laboratory by:</b>						
<b>Send Results to:</b> Douglas Partners Pty Ltd				<b>Address:</b>				<b>Phone:</b>				<b>Fax:</b>		
<b>Signed:</b>						<b>Received by:</b>				<b>Date &amp; Time:</b>				

<b>Project No:</b> 88505.07			<b>Suburb:</b> Chatswood			<b>To:</b> Envirolab Services									
<b>Project Name:</b> Proposed subdivision			<b>Order Number</b>												
<b>Project Manager:</b> Peter Storey			<b>Sampler:</b> EAGL			<b>Attn:</b>									
<b>Emails:</b> peter.storey@douglaspartners.com.au						<b>Phone:</b>									
<b>Date Required:</b> Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>						<b>Email:</b>									
<b>Prior Storage:</b> <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved			Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/>			(If YES, then handle, transport and store in accordance with FPM HAZID)									
Sample ID	Lab ID	Sampling Date	Sample Type		Analytes								Notes/preservation		
			S - soil W - water	G - glass P - plastic											
PIT23/0.1	31	29/03/22	S	G											
PIT23/0.5	32	29/03/22	S	G											
PIT23/1.0	33	29/03/22	S	G											
PIT24/0.1	34	29/03/22	S	G											
PIT24/0.5	35	29/03/22	S	G											
PIT24/1.0	36	29/03/22	S	G											
PIT25/0.1	37	29/03/22	S	G											
PIT25/0.5	38	29/03/22	S	G											
PIT25/1.0	39	29/03/22	S	G											
PIT26/0.1	40	29/03/22	S	G											
PIT26/0.5	41	29/03/22	S	G											
PIT26/0.8	42	29/03/22	S	G											
PIT27/0.1	43	29/03/22	S	G											
PIT27/0.5	44	29/03/22	S	G											
PIT27/1.0	45	29/03/22	S	G											
<b>PQL (S) mg/kg</b>											<b>ANZECC PQLs req'd for all water analytes</b> <input type="checkbox"/>				
<b>PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit</b>									<b>Lab Report/Reference No:</b> 292327						
<b>Metals to Analyse: 8HM unless specified here:</b>															
<b>Total number of samples in container:</b>			<b>Relinquished by:</b>			<b>Transported to laboratory by:</b>									
<b>Send Results to:</b> Douglas Partners Pty Ltd			<b>Address:</b>			<b>Phone:</b>			<b>Fax:</b>						
<b>Signed:</b>			<b>Received by:</b>			<b>Date &amp; Time:</b>									

<b>Project No:</b> 88505.07		<b>Suburb:</b> Chatswood		<b>To:</b> Envirolab Services											
<b>Project Name:</b> Proposed subdivision		<b>Order Number</b>													
<b>Project Manager:</b> Peter Storey		<b>Sampler:</b> EAGL		<b>Attn:</b>											
<b>Emails:</b> peter.storey@douglaspartners.com.au				<b>Phone:</b>											
<b>Date Required:</b> Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>				<b>Email:</b>											
<b>Prior Storage:</b> <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved		Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID)													
Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation		
			S - soil W - water	G - glass P - plastic											
PIT28/0.1	46	29/03/22	S	G											
PIT28/0.5	47	29/03/22	S	G											
PIT28/1.0	48	29/03/22	S	G											
PIT29/0.1	49	29/03/22	S	G											
PIT29/0.5	50	29/03/22	S	G											
PIT29/1.0	51	29/03/22	S	G											
PIT30/0.1	52	29/03/22	S	G											
PIT30/0.5	53	29/03/22	S	G											
PIT30/1.0	54	29/03/22	S	G											
PIT31/0.1	55	29/03/22	S	G											
PIT31/0.5	56	29/03/22	S	G											
PIT31/1.0	57	29/03/22	S	G											
PIT32/0.1	NR	29/03/22	S	G											
PIT32/0.5	NR	29/03/22	S	G											
PIT32/1.0	NR	29/03/22	S	G											
<b>PQL (S) mg/kg</b>												<b>ANZECC PQLs req'd for all water analytes</b> <input type="checkbox"/>			
<b>PQL = practical quantitation limit.</b> If none given, default to Laboratory Method Detection Limit												<b>Lab Report/Reference No:</b> 292327			
<b>Metals to Analyse: 8HM unless specified here:</b>															
<b>Total number of samples in container:</b>				<b>Relinquished by:</b>				<b>Transported to laboratory by:</b>							
<b>Send Results to:</b> Douglas Partners Pty Ltd				<b>Address:</b>				<b>Phone:</b>				<b>Fax:</b>			
<b>Signed:</b>				<b>Received by:</b>				<b>Date &amp; Time:</b>							

<b>Project No:</b> 88505.07		<b>Suburb:</b> Chatswood		<b>To:</b> Envirolab Services											
<b>Project Name:</b> Proposed subdivision		<b>Order Number</b>													
<b>Project Manager:</b> Peter Storey		<b>Sampler:</b> EAGL		<b>Attn:</b>											
<b>Emails:</b> peter.storey@douglaspartners.com.au				<b>Phone:</b>											
<b>Date Required:</b> Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>				<b>Email:</b>											
<b>Prior Storage:</b> <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved		Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID)													
Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation		
			S - soil W - water	G - glass P - plastic											
PIT33/0.1	58	29/03/22	S	G											
PIT33/0.5	NR59	29/03/22	S	G											
PIT34/0.1	590	28/03/22	S	G											
PIT34/0.5	606	28/03/22	S	G											
PIT34/1.0	612	28/03/22	S	G											
PIT35/0.1	63	28/03/22	S	G											
PIT35/0.5	64	28/03/22	S	G											
PIT35/1.0	65	28/03/22	S	G											
PIT36/0.1	66	28/03/22	S	G											
PIT36/0.5	67	28/03/22	S	G											
PIT36/1.0	68	28/03/22	S	G											
R1	69		S	G											
R2	70		S	G											
			S	G											
			S	G											
<b>PQL (S) mg/kg</b>												<b>ANZECC PQLs req'd for all water analytes</b> <input type="checkbox"/>			
<b>PQL = practical quantitation limit.</b> If none given, default to Laboratory Method Detection Limit												<b>Lab Report/Reference No:</b> 292327			
<b>Metals to Analyse: 8HM unless specified here:</b>															
<b>Total number of samples in container:</b>				<b>Relinquished by:</b>				<b>Transported to laboratory by:</b>							
<b>Send Results to:</b> Douglas Partners Pty Ltd				<b>Address:</b>				<b>Phone:</b>				<b>Fax:</b>			
<b>Signed:</b>				<b>Received by:</b>				<b>Date &amp; Time:</b>							

## SAMPLE RECEIPT ADVICE

### Client Details

<b>Client</b>	Douglas Partners Pty Ltd
<b>Attention</b>	Peter Storey

### Sample Login Details

<b>Your reference</b>	88505.07, Chatswood
<b>Envirolab Reference</b>	292327
<b>Date Sample Received</b>	31/03/2022
<b>Date Instructions Received</b>	31/03/2022
<b>Date Results Expected to be Reported</b>	On Hold

### Sample Condition

<b>Samples received in appropriate condition for analysis</b>	Yes
<b>No. of Samples Provided</b>	70 Soil
<b>Turnaround Time Requested</b>	Standard
<b>Temperature on Receipt (°C)</b>	13
<b>Cooling Method</b>	Ice
<b>Sampling Date Provided</b>	YES

### Comments

Missing all Pit 32 samples

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*





Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Misc Inorg - Soil	Asbestos ID - soils	On Hold
PIT9-0.1											✓
PIT9-0.5											✓
PIT9-1.0											✓
PIT11-0.1											✓
PIT11-0.5											✓
PIT11-1.0											✓
PIT12-0.1											✓
PIT12-0.5											✓
PIT12-1.0											✓
PIT13-0.1											✓
PIT13-0.5											✓
PIT13-1.0											✓
PIT14-0.1											✓
PIT14-0.5											✓
PIT14-1.0											✓
PIT17-0.1											✓
PIT17-0.5											✓
PIT17-1.0											✓
PIT18-0.1											✓
PIT18-0.5											✓
PIT18-1.0											✓
PIT19-0.1											✓
PIT19-0.5											✓
PIT19-1.0											✓
PIT21-0.1											✓
PIT21-0.5											✓
PIT21-1.0											✓
PIT22-0.1											✓
PIT22-0.5											✓
PIT22-1.0											✓
PIT23-0.1											✓
PIT23-0.5											✓



**Envirolab Services Pty Ltd**

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Misc Inorg - Soil	Asbestos ID - soils	On Hold
PIT23-1.0											✓
PIT24-0.1											✓
PIT24-0.5											✓
PIT24-1.0											✓
PIT25-0.1											✓
PIT25-0.5											✓
PIT25-1.0											✓
PIT26-0.1											✓
PIT26-0.5											✓
PIT26-0.8											✓
PIT27-0.1											✓
PIT27-0.5											✓
PIT27-1.0											✓
PIT28-0.1											✓
PIT28-0.5											✓
PIT28-1.0											✓
PIT29-0.1											✓
PIT29-0.5											✓
PIT29-1.0											✓
PIT30-0.1											✓
PIT30-0.5											✓
PIT30-1.0											✓
PIT31-0.1											✓
PIT31-0.5											✓
PIT31-1.0											✓
PIT33-0.1											✓
PIT33-0.5											✓
PIT34-0.1											✓
PIT34-0.5											✓
PIT34-1.0											✓
PIT35-0.1											✓
PIT35-0.5											✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Misc Soil - Inorg	Misc Inorg - Soil	Asbestos ID - soils	On Hold
PIT35-1.0											✓
PIT36-0.1											✓
PIT36-0.5											✓
PIT36-1.0											✓
R1											✓
R2											✓

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

### Additional Info

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

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

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

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



## CERTIFICATE OF ANALYSIS 292327

### Client Details

Client	Douglas Partners Canberra
Attention	Peter Storey
Address	Unit 2, 73 Sheppard St., HUME, ACT, 2620

### Sample Details

Your Reference	<b>88505.07, Marulan</b>
Number of Samples	70 Soil
Date samples received	31/03/2022
Date completed instructions received	01/04/2022

### Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.  
Samples were analysed as received from the client. Results relate specifically to the samples as received.  
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.  
**Please refer to the last page of this report for any comments relating to the results.**

### Report Details

Date results requested by	08/04/2022
Date of Issue	08/04/2022

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

#### Asbestos Approved By

Analysed by Asbestos Approved Analyst: Lucy Zhu  
Authorised by Asbestos Approved Signatory: Lucy Zhu

#### Results Approved By

Diego Bigolin, Inorganics Supervisor  
Hannah Nguyen, Metals Supervisor  
Liam Timmins, Chemist  
Lucy Zhu, Asbestos Supervisor  
Priya Samarawickrama, Senior Chemist  
Thomas Beenie, Lab Technician

#### Authorised By

Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	91	92	123	85	87

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	87	88	87	88	92

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	96	64	90	92	99

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	102	86	92	100	88

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	86	91	98	100	91

svTRH (C10-C40) in Soil						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	05/04/2022	05/04/2022	05/04/2022	05/04/2022	05/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	101	100	99	103	98

svTRH (C10-C40) in Soil						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	05/04/2022	05/04/2022	05/04/2022	05/04/2022	05/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	99	95	94	96	100



svTRH (C10-C40) in Soil						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	05/04/2022	05/04/2022	05/04/2022	05/04/2022	05/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	97	100	99	99	98

svTRH (C10-C40) in Soil						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	05/04/2022	05/04/2022	05/04/2022	05/04/2022	05/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	98	100	98	99	102

svTRH (C10-C40) in Soil						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	05/04/2022	05/04/2022	05/04/2022	05/04/2022	05/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	170	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	490	120	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	260	120	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	930	250	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	130	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	130	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	680	210	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	130	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	940	210	<50	<50	<50
Surrogate o-Terphenyl	%	123	109	101	101	100

PAHs in Soil						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	97	94	102	88	96

PAHs in Soil						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	96	105	105	112	102

PAHs in Soil						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	99	102	89	95	93

PAHs in Soil						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	97	93	94	95	104

PAHs in Soil						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	94	99	95	94	97

Organochlorine Pesticides in soil						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	93	102	93	96



Organochlorine Pesticides in soil						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	89	106	106	99	98

Organochlorine Pesticides in soil						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	101	99	98	95	97

Organochlorine Pesticides in soil						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	98	93	92	99

Organochlorine Pesticides in soil						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	94	100	95	97	99

Organophosphorus Pesticides in Soil						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	93	102	93	96

Organophosphorus Pesticides in Soil						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	89	106	106	99	98

Organophosphorus Pesticides in Soil						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	101	99	98	95	97

Organophosphorus Pesticides in Soil						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	98	93	92	99



Organophosphorus Pesticides in Soil						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	94	100	95	97	99

PCBs in Soil						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	93	102	93	96

PCBs in Soil						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	89	106	106	99	98

PCBs in Soil						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	101	99	98	95	97

PCBs in Soil						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	98	93	92	99

PCBs in Soil						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	94	100	95	97	99

Acid Extractable metals in soil						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	07/04/2022	07/04/2022	07/04/2022	07/04/2022	07/04/2022
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	2	1	5	1	1
Copper	mg/kg	2	<1	<1	<1	<1
Lead	mg/kg	8	6	6	4	7
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	<1	<1	1	<1	<1
Zinc	mg/kg	6	2	10	3	2

Acid Extractable metals in soil						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	07/04/2022	07/04/2022	07/04/2022	07/04/2022	07/04/2022
Arsenic	mg/kg	<4	<4	<4	6	16
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	9	5	5	3	6
Copper	mg/kg	<1	<1	<1	<1	<1
Lead	mg/kg	10	10	12	6	12
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	1	<1	<1	<1	1
Zinc	mg/kg	4	5	8	1	4

Acid Extractable metals in soil						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	07/04/2022	07/04/2022	07/04/2022	07/04/2022	07/04/2022
Arsenic	mg/kg	<4	28	<4	4	16
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	7	6	5	2	8
Copper	mg/kg	2	3	1	1	<1
Lead	mg/kg	14	45	13	6	11
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	<1	1	2	<1	2
Zinc	mg/kg	7	34	12	5	6

Acid Extractable metals in soil						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	07/04/2022	07/04/2022	07/04/2022	07/04/2022	07/04/2022
Arsenic	mg/kg	<4	5	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	1	5	2	6	4
Copper	mg/kg	<1	<1	<1	1	<1
Lead	mg/kg	5	8	18	10	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	<1	1	<1	2	1
Zinc	mg/kg	2	7	2	7	5

Acid Extractable metals in soil						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Date analysed	-	07/04/2022	07/04/2022	07/04/2022	07/04/2022	07/04/2022
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	1	<0.4	<0.4
Chromium	mg/kg	3	10	2	9	4
Copper	mg/kg	3	8	2	<1	2
Lead	mg/kg	9	25	69	6	5
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	<1	8	4	2	<1
Zinc	mg/kg	9	47	41	5	9

Moisture						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Moisture	%	11	9.6	16	11	9.1

Moisture						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Moisture	%	15	13	15	12	16

Moisture						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Moisture	%	14	22	19	12	15

Moisture						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Moisture	%	14	19	13	16	19



Moisture						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	01/04/2022	01/04/2022	01/04/2022	01/04/2022	01/04/2022
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Moisture	%	16	20	4.5	19	13

Asbestos ID - soils						
Our Reference		292327-1	292327-4	292327-8	292327-10	292327-13
Your Reference	UNITS	PIT9	PIT11	PIT12	PIT13	PIT14
Depth		0.1	0.1	0.5	0.1	0.1
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Sample mass tested	g	Approx 35g	Approx 35g	Approx 35g	Approx 30g	Approx 35g
Sample Description	-	Brown sandy soil and rocks	Brown sandy soil and rocks	Brown clayey soil and rocks	Brown sandy soil and rocks	Brown sandy soil and rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		292327-17	292327-19	292327-22	292327-25	292327-29
Your Reference	UNITS	PIT17	PIT18	PIT19	PIT21	PIT22
Depth		0.5	0.1	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Sample mass tested	g	Approx 35g	Approx 35g	Approx 40g	Approx 40g	Approx 30g
Sample Description	-	Brown clayey soil and rocks	Brown course-grained soil and rocks	Brown course-grained soil and rocks	Brown course-grained soil and rocks	Brown clayey soil and rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		292327-31	292327-35	292327-37	292327-40	292327-44
Your Reference	UNITS	PIT23	PIT24	PIT25	PIT26	PIT27
Depth		0.1	0.5	0.1	0.1	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Sample mass tested	g	Approx 30g	Approx 30g	Approx 35g	Approx 35g	Approx 30g
Sample Description	-	Brown course-grained soil and rocks	Brown clayey soil and rocks	Brown course-grained soil and rocks	Brown course-grained soil and rocks	Brown clayey soil and rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		292327-46	292327-50	292327-52	292327-56	292327-59
Your Reference	UNITS	PIT28	PIT29	PIT30	PIT31	PIT33
Depth		0.1	0.5	0.1	0.5	0.5
Date Sampled		29/03/2022	29/03/2022	29/03/2022	29/03/2022	29/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Sample mass tested	g	Approx 30g	Approx 30g	Approx 35g	Approx 35g	Approx 30g
Sample Description	-	Brown course-grained soil and rocks	Brown clayey soil and rocks	Brown course-grained soil and rocks	Brown clayey soil and rocks	Brown clayey soil and rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		292327-60	292327-63	292327-66	292327-67	292327-69
Your Reference	UNITS	PIT34	PIT35	PIT36	PIT36	R1
Depth		0.1	0.1	0.1	0.5	-
Date Sampled		28/03/2022	28/03/2022	28/03/2022	28/03/2022	28/03/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	04/04/2022	04/04/2022	04/04/2022	04/04/2022	04/04/2022
Sample mass tested	g	Approx 35g	Approx 30g	Approx 45g	Approx 30g	Approx 45g
Sample Description	-	Brown course-grained soil and rocks	Brown course-grained soil and rocks	Brown course-grained soil and rocks	Brown clayey soil and rocks	Brown clayey soil and rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Misc Inorg - Soil			
Our Reference		292327-8	292327-31
Your Reference	UNITS	PIT12	PIT23
Depth		0.5	0.1
Date Sampled		28/03/2022	29/03/2022
Type of sample		Soil	Soil
Date prepared	-	07/04/2022	07/04/2022
Date analysed	-	07/04/2022	07/04/2022
pH 1:5 soil:water	pH Units	4.9	5.6

Clay 50-120g			
Our Reference		292327-8	292327-31
Your Reference	UNITS	PIT12	PIT23
Depth		0.5	0.1
Date Sampled		28/03/2022	29/03/2022
Type of sample		Soil	Soil
Date prepared	-	04/04/2022	04/04/2022
Date analysed	-	05/04/2022	05/04/2022
Clay in soils <2µm	% (w/w)	33	6

CEC			
Our Reference		292327-8	292327-31
Your Reference	UNITS	PIT12	PIT23
Depth		0.5	0.1
Date Sampled		28/03/2022	29/03/2022
Type of sample		Soil	Soil
Date prepared	-	08/04/2022	08/04/2022
Date analysed	-	08/04/2022	08/04/2022
Exchangeable Ca	meq/100g	<0.1	0.9
Exchangeable K	meq/100g	0.2	0.2
Exchangeable Mg	meq/100g	4.7	0.3
Exchangeable Na	meq/100g	0.6	<0.1
Cation Exchange Capacity	meq/100g	5.5	1.4

Method ID	Methodology Summary
<b>AS1289.3.6.3</b>	Particle Size Distribution using in house method INORG-107 by way of sieving and/or hydrometer sedimentation testing. Clay fraction at <2µm reported.
<b>ASB-001</b>	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
<b>Inorg-001</b>	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
<b>Inorg-008</b>	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
<b>Metals-020</b>	Determination of various metals by ICP-AES.
<b>Metals-020</b>	Determination of exchangeable cations and cation exchange capacity in soils using 1M Ammonium Chloride exchange and ICP-OES analytical finish.
<b>Metals-021</b>	Determination of Mercury by Cold Vapour AAS.
<b>Org-020</b>	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
<b>Org-020</b>	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.  F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.  Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
<b>Org-021</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
<b>Org-021</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PCBs" is simply a sum of the positive individual PCBs.
<b>Org-022</b>	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
<b>Org-022/025</b>	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
<b>Org-022/025</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS.  Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.



Method ID	Methodology Summary
<b>Org-022/025</b>	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> <li>1. 'EQ PQL' values are assuming all contributing PAHs reported as &lt;PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present.</li> <li>2. 'EQ zero' values are assuming all contributing PAHs reported as &lt;PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL.</li> <li>3. 'EQ half PQL' values are assuming all contributing PAHs reported as &lt;PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.</li> </ol> <p>Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.</p>
<b>Org-023</b>	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.</p>
<b>Org-023</b>	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p>
<b>Org-023</b>	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p> <p>Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.</p>

Client Reference: 88505.07, Marulan

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	292327-4
Date extracted	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	25	Org-023	<25	1	<25	<25	0	107	79
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	25	Org-023	<25	1	<25	<25	0	107	79
Benzene	mg/kg	0.2	Org-023	<0.2	1	<0.2	<0.2	0	107	73
Toluene	mg/kg	0.5	Org-023	<0.5	1	<0.5	<0.5	0	108	74
Ethylbenzene	mg/kg	1	Org-023	<1	1	<1	<1	0	101	83
m+p-xylene	mg/kg	2	Org-023	<2	1	<2	<2	0	110	83
o-Xylene	mg/kg	1	Org-023	<1	1	<1	<1	0	88	67
Naphthalene	mg/kg	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	91	1	91	86	6	98	93

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	292327-63
Date extracted	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	25	Org-023	[NT]	31	<25	<25	0	93	111
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	25	Org-023	[NT]	31	<25	<25	0	93	111
Benzene	mg/kg	0.2	Org-023	[NT]	31	<0.2	<0.2	0	101	118
Toluene	mg/kg	0.5	Org-023	[NT]	31	<0.5	<0.5	0	93	108
Ethylbenzene	mg/kg	1	Org-023	[NT]	31	<1	<1	0	85	107
m+p-xylene	mg/kg	2	Org-023	[NT]	31	<2	<2	0	93	108
o-Xylene	mg/kg	1	Org-023	[NT]	31	<1	<1	0	74	115
Naphthalene	mg/kg	1	Org-023	[NT]	31	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	31	96	96	0	94	124

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Date analysed	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	25	Org-023	[NT]	60	<25	<25	0	[NT]	[NT]
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	25	Org-023	[NT]	60	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-023	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-023	[NT]	60	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-023	[NT]	60	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-023	[NT]	60	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-023	[NT]	60	<1	<1	0	[NT]	[NT]
Naphthalene	mg/kg	1	Org-023	[NT]	60	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	60	86	102	17	[NT]	[NT]

Client Reference: 88505.07, Marulan

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	292327-4
Date extracted	-			01/04/2022	1	01/04/2022	01/04/2022		01/04/2022	01/04/2022
Date analysed	-			05/04/2022	1	05/04/2022	05/04/2022		05/04/2022	05/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	50	Org-020	<50	1	<50	<50	0	91	83
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	91	81
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	121	118
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	50	Org-020	<50	1	<50	<50	0	91	83
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	91	81
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	121	118
Surrogate o-Terphenyl	%		Org-020	94	1	101	100	1	113	112

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	292327-63
Date extracted	-			[NT]	31	01/04/2022	01/04/2022		01/04/2022	01/04/2022
Date analysed	-			[NT]	31	05/04/2022	05/04/2022		05/04/2022	05/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	50	Org-020	[NT]	31	<50	<50	0	103	82
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	100	Org-020	[NT]	31	<100	<100	0	102	83
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	100	Org-020	[NT]	31	<100	<100	0	119	122
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	50	Org-020	[NT]	31	<50	<50	0	103	82
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	100	Org-020	[NT]	31	<100	<100	0	102	83
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	100	Org-020	[NT]	31	<100	<100	0	119	122
Surrogate o-Terphenyl	%		Org-020	[NT]	31	97	98	1	124	95

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	01/04/2022	01/04/2022		[NT]	[NT]
Date analysed	-			[NT]	60	05/04/2022	05/04/2022		[NT]	[NT]
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	50	Org-020	[NT]	60	170	99	53	[NT]	[NT]
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	100	Org-020	[NT]	60	490	260	61	[NT]	[NT]
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	100	Org-020	[NT]	60	260	160	48	[NT]	[NT]
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	50	Org-020	[NT]	60	130	74	55	[NT]	[NT]
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	100	Org-020	[NT]	60	680	380	57	[NT]	[NT]
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	100	Org-020	[NT]	60	130	<100	26	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	60	123	113	8	[NT]	[NT]

Client Reference: 88505.07, Marulan

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	292327-4
Date extracted	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	86
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	93	87
Fluorene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	93	90
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	98	104
Anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	94
Pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	95	97
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	87	87
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	1	<0.05	<0.05	0	86	78
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	109	1	97	99	2	90	93

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	292327-63
Date extracted	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	97	80
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	95	79
Fluorene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	95	82
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	112	90
Anthracene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	98	80
Pyrene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	105	85
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	93	83
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	31	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	31	<0.05	<0.05	0	88	84
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	31	99	92	7	97	85

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Date analysed	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	60	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	60	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	60	94	98	4	[NT]	[NT]

Client Reference: 88505.07, Marulan

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	292327-4
Date extracted	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	88	88
HCB	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	85	85
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	87	93
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	93	95
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	86	90
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	86	90
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	86	94
Endrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	74	86
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	84	88
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	72	78
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	116	1	99	92	7	93	89

Client Reference: 88505.07, Marulan

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	292327-63
Date extracted	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	80	76
HCB	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	85	71
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	97	81
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	103	87
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	98	80
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	98	78
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	98	82
Endrin	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	88	67
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	90	78
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	72	64
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	31	101	93	8	93	86

Client Reference: 88505.07, Marulan

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Date analysed	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	60	94	98	4	[NT]	[NT]



QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	292327-4
Date extracted	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Dichlorvos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	88	90
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	83	89
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	115	130
Malathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	105	118
Chlorpyrifos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	92	102
Parathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	109	117
Bromophos-ethyl	mg/kg	0.1	Org-022	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	74	82
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	116	1	99	92	7	93	89

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	292327-63
Date extracted	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	96	84
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	93	79
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	125	132
Malathion	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	106	110
Chlorpyrifos	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	108	92
Parathion	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	119	113
Bromophos-ethyl	mg/kg	0.1	Org-022	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	76	80
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	31	101	93	8	93	86

Client Reference: 88505.07, Marulan

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Date analysed	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Chlorpyrifos	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	60	94	98	4	[NT]	[NT]

Client Reference: 88505.07, Marulan

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	292327-4
Date extracted	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Aroclor 1016	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	107	100
Aroclor 1260	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	116	1	99	92	7	93	89

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	292327-63
Date extracted	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Aroclor 1016	mg/kg	0.1	Org-021	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	[NT]	31	<0.1	<0.1	0	112	80
Aroclor 1260	mg/kg	0.1	Org-021	[NT]	31	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	31	101	93	8	93	86

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Date analysed	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	60	94	98	4	[NT]	[NT]

Client Reference: 88505.07, Marulan

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	292327-4
Date prepared	-			04/04/2022	1	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			07/04/2022	1	07/04/2022	07/04/2022		07/04/2022	07/04/2022
Arsenic	mg/kg	4	Metals-020	<4	1	<4	<4	0	101	100
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	102	101
Chromium	mg/kg	1	Metals-020	<1	1	2	2	0	99	99
Copper	mg/kg	1	Metals-020	<1	1	2	2	0	94	99
Lead	mg/kg	1	Metals-020	<1	1	8	8	0	98	99
Mercury	mg/kg	0.1	Metals-021	<0.1	1	<0.1	<0.1	0	79	119
Nickel	mg/kg	1	Metals-020	<1	1	<1	<1	0	97	100
Zinc	mg/kg	1	Metals-020	<1	1	6	6	0	100	101

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-8	292327-63
Date prepared	-			[NT]	31	04/04/2022	04/04/2022		04/04/2022	04/04/2022
Date analysed	-			[NT]	31	07/04/2022	07/04/2022		07/04/2022	07/04/2022
Arsenic	mg/kg	4	Metals-020	[NT]	31	<4	<4	0	95	91
Cadmium	mg/kg	0.4	Metals-020	[NT]	31	<0.4	<0.4	0	98	91
Chromium	mg/kg	1	Metals-020	[NT]	31	7	7	0	98	88
Copper	mg/kg	1	Metals-020	[NT]	31	2	1	67	91	97
Lead	mg/kg	1	Metals-020	[NT]	31	14	14	0	98	84
Mercury	mg/kg	0.1	Metals-021	[NT]	31	<0.1	<0.1	0	115	101
Nickel	mg/kg	1	Metals-020	[NT]	31	<1	<1	0	95	84
Zinc	mg/kg	1	Metals-020	[NT]	31	7	6	15	97	94

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	60	04/04/2022	04/04/2022		[NT]	[NT]
Date analysed	-			[NT]	60	07/04/2022	07/04/2022		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	60	<4	<4	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	60	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	60	3	2	40	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	60	3	4	29	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	60	9	11	20	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	60	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	60	<1	<1	0	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	60	9	11	20	[NT]	[NT]

Client Reference: 88505.07, Marulan

QUALITY CONTROL: Misc Inorg - Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-7	[NT]
Date prepared	-			07/04/2022	[NT]	[NT]	[NT]	[NT]	07/04/2022	[NT]
Date analysed	-			07/04/2022	[NT]	[NT]	[NT]	[NT]	07/04/2022	[NT]
pH 1:5 soil:water	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]

Client Reference: 88505.07, Marulan

QUALITY CONTROL: CEC				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			08/04/2022	[NT]	[NT]	[NT]	[NT]	08/04/2022	[NT]
Date analysed	-			08/04/2022	[NT]	[NT]	[NT]	[NT]	08/04/2022	[NT]
Exchangeable Ca	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	115	[NT]
Exchangeable K	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	113	[NT]
Exchangeable Mg	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	119	[NT]
Exchangeable Na	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	130	[NT]

**Result Definitions**

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

## Quality Control Definitions

<b>Blank</b>	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
<b>Duplicate</b>	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
<b>Matrix Spike</b>	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
<b>LCS (Laboratory Control Sample)</b>	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
<b>Surrogate Spike</b>	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.
Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.	
The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.	
Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2	

## Laboratory Acceptance Criteria

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

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

Spikes for Physical and Aggregate Tests are not applicable.

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

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

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

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

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

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



## Report Comments

Asbestos: A portion of the supplied sample was sub-sampled for asbestos analysis according to Envirolab procedures.

We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab recommends supplying 40-50g of sample in its own container.

Note: Samples 292327-1,4,8,10,13,17,19,22,25,29,31,35,37,40,44,46,50,52,56,59,60,63,66,67,69 were sub-sampled from jars provided by the client.

TRH Soil C10-C40 NEPM - The RPD for duplicate results is accepted due to the non homogenous nature of samples 292327-60,60d.

Project No: 88505.07		Suburb: Chatswood		To: Envirolab Services																		
Project Name: Proposed subdivision		Order Number																				
Project Manager: Peter Storey		Sampler: EAGL		Attn:																		
Emails: peter.storey@douglaspartners.com.au				Phone:																		
Date Required: Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>				Email:																		
Prior Storage: <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved		Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID)																				
Sample ID	Lab ID	Date Sampled	Sample Type		Container Type	Analytes										Notes/preservation						
			S - soil	W - water		G - glass	P - plastic															
PIT1/0.1	1	14/04/22	S		G	X																
PIT1/0.5	2	14/04/22	S		G																	
PIT1/1.0	3	14/04/22	S		G																	
PIT2/0.1	4	14/04/22	S		G																	
PIT2/0.5	5	14/04/22	S		G	X																
PIT2/1.0	6	14/04/22	S		G																	
PIT3/0.1	7	14/04/22	S		G																	
PIT3/0.5	8	14/04/22	S		G	X																
PIT3/1.0	9	14/04/22	S		G																	
PIT4/0.1	10	14/04/22	S		G	X																
PIT4/0.5	11	14/04/22	S		G																	
PIT5/0.1	12	14/04/22	S		G																	
PIT5/0.5	13	14/04/22	S		G	X																
PIT5/1.0	14	14/04/22	S		G																	
PIT6/0.1	15	14/04/22	S		G																	
												ANZECC PQLs req'd for all water analytes <input type="checkbox"/>										
PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit												Lab Report/Reference No:										
Metals to Analyse: BHM unless specified here:																						
Total number of samples in container:				Reinquished by:				Transported to laboratory by:														
Send Results to: Douglas Partners Pty Ltd		Address:		Phone:		Fax:																
Signed:		Received by: Nancy Zhang		Envirolab		Date & Time: 20/04/2022		11:00am														

Envirolab Services  
12 Ashfield St  
Chatswood NSW 1585  
PH: (02) 9910 6200

Job No: 293610  
Date Received: 20/04/2022  
Time Received: 11:00  
Received by: [Signature]  
Temp: Ambient  
Cool: Icepack  
Security: Intact/Broken/None

4°C

Project No: 88505.07		Suburb: Chatswood		To: Envirolab Services	
Project Name: Proposed subdivision		Order Number			
Project Manager: Peter Storey		Sampler: EAGL		Attn:	
Emails: peter.storey@douglaspartners.com.au				Phone:	
Date Required: Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>				Email:	
Prior Storage: <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved		Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/> (If YES, then handle, transport and store in accordance with FPM HAZID)			

Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes								Notes/preservation	
			S - soil W - water	G - glass P - plastic	Combo bif.									
PIT6/0.5	16	14/04/22	S	G	X									
PIT6/1.0	17	14/04/22	S	G										
PIT7/0.1	18	14/04/22	S	G	X									
PIT7/0.5	19	14/04/22	S	G										
PIT7/1.0	20	14/04/22	S	G										
PIT8/0.1	21	14/04/22	S	G	X									
PIT8/0.5	22	14/04/22	S	G										
PIT8/1.0	23	14/04/22	S	G										
PIT10/0.1	24	14/04/22	S	G	X									
PIT10/0.5	25	14/04/22	S	G										
PIT10/1.0	26	14/04/22	S	G										
PIT15/0.1	27	14/04/22	S	G	X									
PIT15/0.5	28	14/04/22	S	G										
PIT15/1.0	29	14/04/22	S	G										
PIT16/0.1	30	14/04/22	S	G										

**ANZECC PQLs req'd for all water analytes.**

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Total number of samples in container: \_\_\_\_\_ Relinquished by: \_\_\_\_\_ Transported to laboratory by: \_\_\_\_\_

Send Results to: Douglas Partners Pty Ltd Address: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Signed: \_\_\_\_\_ Received by: Nancy Zhang Date & Time: 20/04/22 11:00

Envirolab Services  
42 Ashley St  
Chatswood NSW 2067  
Ph: (02) 9910 6260

Job No: 293670

Date Received: 20/04/22  
Time Received: 11:00

Received by: [Signature]

Temp: Cool/Ambient  
Cooling: Ice/Icepack  
Security: Intact/Broken/None

Project No: 88505.07		Suburb: Chatswood		To: Envirolab Services										
Project Name: Proposed subdivision		Order Number												
Project Manager: Peter Storey		Sampler: EAGL		Attn:										
Emails: peter.storey@douglaspartners.com.au				Phone:										
Date Required: Same day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 hours <input type="checkbox"/> Standard <input type="checkbox"/>				Email:										
Prior Storage: <input type="checkbox"/> Esky <input type="checkbox"/> Fridge <input type="checkbox"/> Shelved		Do samples contain 'potential' HBM? Yes <input type="checkbox"/> No <input type="checkbox"/>		(If YES, then handle, transport and store in accordance with FPM HAZID)										
Sample ID	Lab ID	Sampling Date	Sample Type	Container Type	Analytes							Notes/preservation		
			S - soil W - water	G - glass P - plastic										
PIT16/0.5	31	14/04/22	S	G	X									
PIT16/1.0	32	14/04/22	S	G										
PIT20/0.1	33	14/04/22	S	G	X									
PIT20/0.5	34	14/04/22	S	G										
PIT20/1.0	35	14/04/22	S	G										
R3	36	14/04/22	S	G	X									
R4	37	14/04/22	S	G	X									
Q5	38	14/04/22	S	a	X									
PQL (S) mg/kg											ANZECC PQLs req'd for all water analytes <input type="checkbox"/>			
PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit											Lab Report/Reference No:			
Metals to Analyse: 8HM unless specified here:														
Total number of samples in container:			Relinquished by:			Transported to laboratory by:								
Send Results to: Douglas Partners Pty Ltd			Address:			Phone:			Fax:					
Signed:			Received by: <i>Nancy Zhang</i>			Date & Time: 20/04/22			FHO					

ENVIROLAB  
71 Service  
Chatswood NSW 2061  
Ph: (02) 9910 8200

Job No: 293670

Date Received: 20/04/2022

Time Received: 11:00

Received by: *[Signature]*

Temp: Ambient

Cooling: Ice/Repack

Security: Intact/Broken/None

## SAMPLE RECEIPT ADVICE

### Client Details

<b>Client</b>	Douglas Partners Canberra
<b>Attention</b>	Peter Storey

### Sample Login Details

<b>Your reference</b>	88505.07, Chatswood
<b>Envirolab Reference</b>	293670
<b>Date Sample Received</b>	20/04/2022
<b>Date Instructions Received</b>	20/04/2022
<b>Date Results Expected to be Reported</b>	28/04/2022

### Sample Condition

<b>Samples received in appropriate condition for analysis</b>	Yes
<b>No. of Samples Provided</b>	38 Soil
<b>Turnaround Time Requested</b>	Standard
<b>Temperature on Receipt (°C)</b>	4
<b>Cooling Method</b>	Ice Pack
<b>Sampling Date Provided</b>	YES

### Comments

Nil

Please direct any queries to:

#### Aileen Hie

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** ahie@envirolab.com.au

#### Jacinta Hurst

**Phone:** 02 9910 6200  
**Fax:** 02 9910 6201  
**Email:** jhurst@envirolab.com.au

*Analysis Underway, details on the following page:*



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	On Hold
Pit1-0.1	✓	✓	✓	✓	✓	✓	✓	✓	
Pit1-0.5									✓
Pit1-1.0									✓
Pit2-0.1									✓
Pit2-0.5	✓	✓	✓	✓	✓	✓	✓	✓	
Pit2-1.0									✓
Pit3-0.1									✓
Pit3-0.5	✓	✓	✓	✓	✓	✓	✓	✓	
Pit3-1.0									✓
Pit4-0.1	✓	✓	✓	✓	✓	✓	✓	✓	
Pit4-0.5									✓
Pit5-0.1									✓
Pit5-0.5	✓	✓	✓	✓	✓	✓	✓	✓	
Pit5-1.0									✓
Pit6-0.1									✓
Pit6-0.5	✓	✓	✓	✓	✓	✓	✓	✓	
Pit6-1.0									✓
Pit7-0.1	✓	✓	✓	✓	✓	✓	✓	✓	
Pit7-0.5									✓
Pit7-1.0									✓
Pit8-0.1	✓	✓	✓	✓	✓	✓	✓	✓	
Pit8-0.5									✓
Pit8-1.0									✓
Pit10-0.1	✓	✓	✓	✓	✓	✓	✓	✓	
Pit10-0.5									✓
Pit10-1.0									✓
Pit15-0.1	✓	✓	✓	✓	✓	✓	✓	✓	
Pit15-0.5									✓
Pit15-1.0									✓
Pit16-0.1									✓
Pit16-0.5	✓	✓	✓	✓	✓	✓	✓	✓	
Pit16-1.0									✓



Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils	On Hold
Pit20-0.1	✓	✓	✓	✓	✓	✓	✓	✓	
Pit20-0.5									✓
Pit20-1.0									✓
R3	✓	✓	✓	✓	✓	✓	✓	✓	
R4	✓	✓	✓	✓	✓	✓	✓	✓	
R5	✓	✓	✓	✓	✓	✓	✓	✓	

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

### Additional Info

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

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

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

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



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

## **CERTIFICATE OF ANALYSIS 293670**

### **Client Details**

<b>Client</b>	Douglas Partners Canberra
<b>Attention</b>	Peter Storey
<b>Address</b>	Unit 2, 73 Sheppard St., HUME, ACT, 2620

### **Sample Details**

<b>Your Reference</b>	<b>88505.07, Chatswood</b>
<b>Number of Samples</b>	38 Soil
<b>Date samples received</b>	20/04/2022
<b>Date completed instructions received</b>	20/04/2022

### **Analysis Details**

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

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

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

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

### **Report Details**

**Date results requested by** 28/04/2022

**Date of Issue** 28/04/2022

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#### **Asbestos Approved By**

Analysed by Asbestos Approved Analyst: Lucy Zhu

Authorised by Asbestos Approved Signatory: Lucy Zhu

#### **Results Approved By**

Dragana Tomas, Senior Chemist

Giovanni Agosti, Group Technical Manager

Lucy Zhu, Asbestos Supervisor

#### **Authorised By**

Nancy Zhang, Laboratory Manager



vTRH(C6-C10)/BTEXN in Soil						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	106	102	97	96	103

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	100	100	99	106	100

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	<25	<25	<25	<25	<25
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	<25	<25	<25	<25	<25
vTPH C <sub>6</sub> - C <sub>10</sub> less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
Naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	96	105	106	99	108

svTRH (C10-C40) in Soil						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	87	86	87	88	85

svTRH (C10-C40) in Soil						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	87	85	89	86	87

svTRH (C10-C40) in Soil						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	<50	<50	<50	<50	<50
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	<100	<100	<100	<100	<100
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (C10-C36)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>10</sub> - C <sub>16</sub> less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	<100	<100	<100	<100	<100
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	85	85	85	85	85

PAHs in Soil						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	109	111	103	110	104

PAHs in Soil						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	102	107	110	111	107

PAHs in Soil						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	111	109	110	100	101

Organochlorine Pesticides in soil						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	102	106	97	103	99



Organochlorine Pesticides in soil						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	102	102	98	100

Organochlorine Pesticides in soil						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	102	101	102	94	94

Organophosphorus Pesticides in Soil						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	102	106	97	103	99

Organophosphorus Pesticides in Soil						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	102	102	98	100

Organophosphorus Pesticides in Soil						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	102	101	102	94	94

Client Reference: 88505.07, Chatswood

PCBs in Soil						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	102	106	97	103	99

PCBs in Soil						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	99	102	102	98	100

PCBs in Soil						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	102	101	102	94	94

Acid Extractable metals in soil						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	5	8	11	10	14
Copper	mg/kg	2	3	3	1	16
Lead	mg/kg	11	12	12	16	26
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	1	3	4	2	9
Zinc	mg/kg	10	19	23	13	41

Acid Extractable metals in soil						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	11	1	2	2	5
Copper	mg/kg	3	1	2	2	48
Lead	mg/kg	14	8	7	10	21
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	2	<1	<1	<1	3
Zinc	mg/kg	9	3	9	5	6



Acid Extractable metals in soil						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
Arsenic	mg/kg	5	<4	<4	<4	<4
Cadmium	mg/kg	0.5	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	7	3	2	4	11
Copper	mg/kg	1	<1	<1	1	3
Lead	mg/kg	11	15	9	18	13
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	2	<1	<1	<1	5
Zinc	mg/kg	7	4	4	6	29

Client Reference: 88505.07, Chatswood

Moisture						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
Moisture	%	17	20	20	21	18

Moisture						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
Moisture	%	22	15	24	19	20

Moisture						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	21/04/2022	21/04/2022	21/04/2022	21/04/2022	21/04/2022
Date analysed	-	22/04/2022	22/04/2022	22/04/2022	22/04/2022	22/04/2022
Moisture	%	19	19	15	21	16

Asbestos ID - soils						
Our Reference		293670-1	293670-5	293670-8	293670-10	293670-13
Your Reference	UNITS	Pit1	Pit2	Pit3	Pit4	Pit5
Depth		0.1	0.5	0.5	0.1	0.5
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	27/04/2022	27/04/2022	27/04/2022	27/04/2022	27/04/2022
Sample mass tested	g	Approx. 25g	Approx. 25g	Approx. 25g	Approx. 20g	Approx. 35g
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		293670-16	293670-18	293670-21	293670-24	293670-27
Your Reference	UNITS	Pit6	Pit7	Pit8	Pit10	Pit15
Depth		0.5	0.1	0.1	0.1	0.1
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	27/04/2022	27/04/2022	27/04/2022	27/04/2022	27/04/2022
Sample mass tested	g	Approx. 35g	Approx. 25g	Approx. 25g	Approx. 20g	Approx. 25g
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		293670-31	293670-33	293670-36	293670-37	293670-38
Your Reference	UNITS	Pit16	Pit20	R3	R4	R5
Depth		0.5	0.1	-	-	-
Date Sampled		14/04/2022	14/04/2022	14/04/2022	14/04/2022	14/04/2022
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	27/04/2022	27/04/2022	27/04/2022	27/04/2022	27/04/2022
Sample mass tested	g	Approx. 25g	Approx. 35g	Approx. 25g	Approx. 20g	Approx. 35g
Sample Description	-	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks	Brown fine-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Method ID	Methodology Summary
<b>ASB-001</b>	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
<b>Inorg-008</b>	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
<b>Metals-020</b>	Determination of various metals by ICP-AES.
<b>Metals-021</b>	Determination of Mercury by Cold Vapour AAS.
<b>Org-020</b>	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
<b>Org-020</b>	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.  F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.  Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
<b>Org-021</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
<b>Org-021</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PCBs" is simply a sum of the positive individual PCBs.
<b>Org-022</b>	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
<b>Org-022/025</b>	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
<b>Org-022/025</b>	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS/GC-MSMS.  Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.

Method ID	Methodology Summary
<b>Org-022/025</b>	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.</p> <p>For soil results:-</p> <ol style="list-style-type: none"> <li>1. 'EQ PQL' values are assuming all contributing PAHs reported as &lt;PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present.</li> <li>2. 'EQ zero' values are assuming all contributing PAHs reported as &lt;PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL.</li> <li>3. 'EQ half PQL' values are assuming all contributing PAHs reported as &lt;PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above.</li> </ol> <p>Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.</p>
<b>Org-023</b>	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.</p>
<b>Org-023</b>	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p>
<b>Org-023</b>	<p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p> <p>Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.</p>

Client Reference: 88505.07, Chatswood

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	293670-5
Date extracted	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Date analysed	-			22/04/2022	1	22/04/2022	22/04/2022		22/04/2022	22/04/2022
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	25	Org-023	<25	1	<25	<25	0	96	92
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	25	Org-023	<25	1	<25	<25	0	96	92
Benzene	mg/kg	0.2	Org-023	<0.2	1	<0.2	<0.2	0	94	91
Toluene	mg/kg	0.5	Org-023	<0.5	1	<0.5	<0.5	0	104	102
Ethylbenzene	mg/kg	1	Org-023	<1	1	<1	<1	0	90	85
m+p-xylene	mg/kg	2	Org-023	<2	1	<2	<2	0	95	90
o-Xylene	mg/kg	1	Org-023	<1	1	<1	<1	0	92	87
Naphthalene	mg/kg	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	106	1	106	88	19	102	92

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Date analysed	-			[NT]	36	22/04/2022	22/04/2022		[NT]	[NT]
TRH C <sub>6</sub> - C <sub>9</sub>	mg/kg	25	Org-023	[NT]	36	<25	<25	0	[NT]	[NT]
TRH C <sub>6</sub> - C <sub>10</sub>	mg/kg	25	Org-023	[NT]	36	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-023	[NT]	36	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-023	[NT]	36	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-023	[NT]	36	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-023	[NT]	36	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-023	[NT]	36	<1	<1	0	[NT]	[NT]
Naphthalene	mg/kg	1	Org-023	[NT]	36	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	36	106	109	3	[NT]	[NT]

Client Reference: 88505.07, Chatswood

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	293670-5
Date extracted	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Date analysed	-			22/04/2022	1	22/04/2022	22/04/2022		22/04/2022	22/04/2022
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	50	Org-020	<50	1	<50	<50	0	70	70
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	98	111
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	127	114
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	50	Org-020	<50	1	<50	<50	0	70	70
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	98	111
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	100	Org-020	<100	1	<100	<100	0	127	114
Surrogate o-Terphenyl	%		Org-020	91	1	87	87	0	82	79

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Date analysed	-			[NT]	36	22/04/2022	22/04/2022		[NT]	[NT]
TRH C <sub>10</sub> - C <sub>14</sub>	mg/kg	50	Org-020	[NT]	36	<50	<50	0	[NT]	[NT]
TRH C <sub>15</sub> - C <sub>28</sub>	mg/kg	100	Org-020	[NT]	36	<100	<100	0	[NT]	[NT]
TRH C <sub>29</sub> - C <sub>36</sub>	mg/kg	100	Org-020	[NT]	36	<100	<100	0	[NT]	[NT]
TRH >C <sub>10</sub> -C <sub>16</sub>	mg/kg	50	Org-020	[NT]	36	<50	<50	0	[NT]	[NT]
TRH >C <sub>16</sub> -C <sub>34</sub>	mg/kg	100	Org-020	[NT]	36	<100	<100	0	[NT]	[NT]
TRH >C <sub>34</sub> -C <sub>40</sub>	mg/kg	100	Org-020	[NT]	36	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	36	85	84	1	[NT]	[NT]



Client Reference: 88505.07, Chatswood

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	293670-5
Date extracted	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Date analysed	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	118	114
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	117	111
Fluorene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	120	114
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	122	128
Anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	127	119
Pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	133	129
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	117	115
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	1	<0.05	<0.05	0	96	92
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	105	1	109	106	3	112	110

QUALITY CONTROL: PAHs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Date analysed	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	36	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	36	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	36	110	107	3	[NT]	[NT]

Client Reference: 88505.07, Chatswood

QUALITY CONTROL: Organochlorine Pesticides in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	293670-5
Date extracted	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Date analysed	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	120	112
HCB	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	124	117
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	121	115
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	124	116
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	136	116
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	119	117
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	124	115
Endrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	113	100
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	104	100
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	126	117
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	105	1	102	101	1	109	105

Client Reference: 88505.07, Chatswood

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Date analysed	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	36	102	97	5	[NT]	[NT]

Client Reference: 88505.07, Chatswood

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	293670-5
Date extracted	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Date analysed	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	1	<0.1	<0.1	0	118	112
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	114	108
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	117	107
Malathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	116	112
Chlorpyriphos	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	128	122
Parathion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	97	87
Bromophos-ethyl	mg/kg	0.1	Org-022	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	115	108
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	105	1	102	101	1	109	105

QUALITY CONTROL: Organophosphorus Pesticides in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Date analysed	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	36	102	97	5	[NT]	[NT]

Client Reference: 88505.07, Chatswood

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	293670-5
Date extracted	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Date analysed	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Aroclor 1016	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	111	103
Aroclor 1260	mg/kg	0.1	Org-021	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	105	1	102	101	1	109	105

QUALITY CONTROL: PCBs in Soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Date analysed	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	36	102	97	5	[NT]	[NT]

Client Reference: 88505.07, Chatswood

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	293670-5
Date prepared	-			21/04/2022	1	21/04/2022	21/04/2022		21/04/2022	21/04/2022
Date analysed	-			22/04/2022	1	22/04/2022	22/04/2022		22/04/2022	22/04/2022
Arsenic	mg/kg	4	Metals-020	<4	1	<4	<4	0	101	##
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	95	73
Chromium	mg/kg	1	Metals-020	<1	1	5	5	0	96	79
Copper	mg/kg	1	Metals-020	<1	1	2	2	0	96	91
Lead	mg/kg	1	Metals-020	<1	1	11	10	10	96	72
Mercury	mg/kg	0.1	Metals-021	<0.1	1	<0.1	<0.1	0	129	115
Nickel	mg/kg	1	Metals-020	<1	1	1	<1	0	97	79
Zinc	mg/kg	1	Metals-020	<1	1	10	10	0	97	#

QUALITY CONTROL: Acid Extractable metals in soil				Duplicate				Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	36	21/04/2022	21/04/2022		[NT]	[NT]
Date analysed	-			[NT]	36	22/04/2022	22/04/2022		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	36	<4	<4	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	36	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	36	2	2	0	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	36	<1	<1	0	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	36	9	9	0	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	36	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	36	<1	<1	0	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	36	4	3	29	[NT]	[NT]

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

## Quality Control Definitions

<b>Blank</b>	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
<b>Duplicate</b>	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
<b>Matrix Spike</b>	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
<b>LCS (Laboratory Control Sample)</b>	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
<b>Surrogate Spike</b>	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.
Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.	
The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.	
Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2	

## Laboratory Acceptance Criteria

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

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

Spikes for Physical and Aggregate Tests are not applicable.

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

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

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

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

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

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



## Report Comments

8 metals in soil:

- # Percent recovery is not possible to report due to the inhomogeneous nature of the element/s in the sample/s. However an acceptable recovery was obtained for the LCS.

- ## Low spike recovery was obtained for this sample. Sample matrix interference is suspected. However, an acceptable recovery was obtained for the LCS

Asbestos: A portion of the supplied sample was sub-sampled for asbestos according to ASB-001 asbestos subsampling procedure. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab/MPL recommends supplying 40-60g or 500ml of sample in its own container.

Note: Samples 293670-1, 5, 8, 10, 13, 16, 18, 21, 24, 27, 31, 33, 36, 37, 38 were sub-sampled from jars provided by the client.

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## Appendix L

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Data Quality Assessment

## Appendix L

### Data Quality Assessment

### Goulburn Street, Marulan

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#### L1.0 Field and Laboratory Data Quality Assurance and Quality Control

The field and laboratory data quality assurance and quality control (QA/QC) procedures and results are summarised in the following Table 1. Reference should be made to the field work methodology and the laboratory results / certificates of analysis for further details. The relative percentage difference (RPD) results, along with the other field QC samples are included in the summary table QAQC1 at the end of this appendix.

**Table 1: Field and Laboratory Quality Control**

Item	Evaluation / Acceptance Criteria	Compliance
Analytical laboratories used	NATA accreditation	C
Holding times	Various based on type of analysis	C
Intra-laboratory replicates	10% of primary samples; <30% RPD	PC
Laboratory / Reagent Blanks	1 per batch; <PQL	C
Laboratory Duplicate	1 per lab batch; As laboratory certificate	C
Matrix Spikes	1 per lab batch; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Surrogate Spikes	All organics analysis; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Control Samples	1 per lab batch; 70-130% recovery (inorganics); 60-140% recovery (organics)	C
Standard Operating Procedures (SOP)	Adopting SOP for all aspects of the sampling field work	C

Notes:

C = compliance; PC = partial compliance; NC = non-compliance

The RPD results were all within the acceptable range, with the exception of those indicated in Table QAQC1. The exceedances are not, however, considered to be of concern given that:

- The typically low actual differences in the concentrations of the replicate pairs where some RPD exceedances occurred;

- Replicates, rather than homogenised duplicates, were used to minimise risk of volatile loss, hence greater variability can be expected;
- Most of the recorded concentrations being relatively close to the PQL;
- The majority of RPDs within a replicate pair being within the acceptable limits; and
- All other QA/QC parameters met the DQIs.

In summary, the QC data is determined to be of sufficient quality to be considered acceptable for the assessment.

## L2.0 Data Quality Indicators

The reliability of field procedures and analytical results was assessed against the following data quality indicators (DQIs) as outlined in NEPC *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]* (NEPC, 2013):

- Completeness: a measure of the amount of usable data from a data collection activity;
- Comparability: the confidence (qualitative) that data may be considered to be equivalent for each sampling and analytical event;
- Representativeness: the confidence (qualitative) of data representativeness of media present on-site;
- Precision: a measure of variability or reproducibility of data; and
- Accuracy: a measure of closeness of the data to the 'true' value.

**Table 2: Data Quality Indicators**

<b>Data Quality Indicator</b>	<b>Method(s) of Achievement</b>
Completeness	Systematic and selected target locations sampled.
	Preparation of testpit logs, sample location plan and chain of custody records.
	Laboratory sample receipt information received confirming receipt of samples intact and appropriateness of the chain of custody.
	Samples analysed for contaminants of potential concern (COPC) identified in the Conceptual Site Model (CSM).
	Completion of chain of custody (COC) documentation.
	NATA accredited laboratory results certificates provided by the laboratory.
	Satisfactory frequency and results for field and laboratory quality control (QC) samples as discussed in Section 1.
Comparability	Using appropriate techniques for sample recovery, storage and transportation, which were the same for the duration of the project.
	Experienced sampler(s) used.
	Use of NATA registered laboratories, with test methods the same or similar between laboratories.
	Satisfactory results for field and laboratory QC samples.
Representativeness	Target media sampled.
	Sample numbers recovered and analysed are considered to be representative of the target media and complying with DQOs.
	Samples were extracted and analysed within holding times.
	Samples were analysed in accordance with the COC.
Precision	Field staff followed standard operating procedures.
	Acceptable RPD between original samples and replicates.
	Satisfactory results for all other field and laboratory QC samples.
Accuracy	Field staff followed standard operating procedures.
	Satisfactory results for all field and laboratory QC samples.

Based on the above, it is considered that the DQIs have been generally complied with.

### L3.0 Conclusion

Based on the results of the field QA and field and laboratory QC, and evaluation against the DQIs, it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

## L4.0 References

NEPC. (2013). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) [NEPM]*. Australian Government Publishing Services Canberra: National Environment Protection Council.

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**Douglas Partners Pty Ltd**