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Report on
Preliminary Site Investigation (Contamination)

New Primary School in Murrumbateman
2 Fairley Street, Murrumbateman

Prepared for
Hansen Yuncken Pty Ltd

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May 2021

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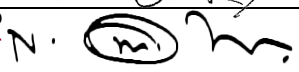
Reviewer	pp 	Dean Woods	27 May 2021

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Executive Summary

This Douglas Partners Pty Ltd Preliminary Site Investigation (Contamination) Report was prepared to accompany an Environmental Impact Statement (EIS) pursuant to Part 4 of the Environmental Planning and Assessment Act 1979 (EP&A Act) in support of an application for a State Significant Development (SSD-11233241).

The development is for a new primary school located at 2 Fairley Street, Murrumbateman.

This report addresses the relevant Secretary's Environmental Assessment Requirements (SEARs), namely:

- Key Issue 17: Soil and Water; and
- Key Issue 19: Contamination

The objective of the PSI were:

- 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.); and
- To comment on the need for further investigation and/or management with regard to the proposed development.

DP undertook the following scope of works to meet the project objectives:

- Reviewed readily available site history information, 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;
- Reviewed site information, including published information on geological, topographical hydrogeological, soil salinity and acid sulfate soil (ASS) conditions;
- Completed a site walkover and observed situations that indicate a potential for contamination and identified environmental receptors;
- Development of a preliminary conceptual site model (CSM);
- Excavation of 7 test pits and drilling of 8 boreholes across the site using an excavator or drill rig. It is noted that locations of the pits were informed by the geotechnical investigation undertaken by DP;
- Collection of soil samples at regular intervals or obvious signs or potential contamination;
- Laboratory testing on 19 samples for a combination of 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);
  - Asbestos;
- Two additional samples were tested for quality control purposes for TRH, BTEX, PAH and metals; and two samples were also be tested for pH, clay content and cation exchange capacity in order to produce site specific investigation levels; and
- Preparation of this report presenting the results of the assessment and 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 residential subdivision earthworks. Whilst it is noted that the fill was likely sourced from the wider subdivision, DP are not aware that a contamination assessment was undertaken prior to the subdivision works, therefore, the quality of the fill material is unknown.
  - COPC include metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene (BTEX), polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), organochlorine pesticides and organophosphate pesticides (OCP/OPP) and asbestos.
- S2: Potential use of pesticides during former agricultural use of the site.
  - COPC include arsenic, OCP and OPP.

The results of the laboratory analysis indicated that reported concentrations of contaminants of concern for fill and potential use of pesticides, were below the adopted assessment criteria or not detected.

DP considers that the site is suitable for use as a primary school, subject to the following measures during any potential future development works:

- A Construction Environment Management Plan should be prepared including an ‘unexpected finds protocol’ (i.e. asbestos in fill, hydrocarbon affected soils including staining and odours and evidence of heavy pesticide use) and implemented during potential future site works;
- Should suspected asbestos containing materials be encountered at the site, the affected area should be fenced off and assessed by a licensed asbestos assessor;
- The fill material encountered beneath the site would be suitable for on-site reuse; and
- Should any fill or stockpiled material be required to be disposed off-site, they must first be assessed in accordance with NSW EPA Waste Classification Guidelines Part 1 Classifying Waste (2014) and assigned a waste classification prior to off-site disposal.

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Report on Preliminary Site Investigation (Contamination) (Contamination)
New Primary School in Murrumbateman
2 Fairley Street, Murrumbateman

1. Introduction

This Douglas Partners Pty Ltd (DP) Preliminary Site Investigation (Contamination) Report was prepared to accompany an Environmental Impact Statement (EIS) pursuant to Part 4 of the Environmental Planning and Assessment Act 1979 (EP&A Act) in support of an application for a State Significant Development (SSD-11233241).

The development is for a new primary school located at 2 Fairley Street, Murrumbateman.

This report addresses the relevant Secretary's Environmental Assessment Requirements (SEARs), namely:

- Key Issue 17: Soil and Water; and
- Key Issue 19: Contamination

DP has been engaged by Hansen Yuncken Pty Ltd to complete this preliminary site investigation (contamination) (PSI) undertaken for a new primary school in Murrumbateman for the site at 2 Fairley Street, Murrumbateman (the site). The site is shown on Drawing 1, Appendix A.

The investigation was undertaken in accordance with DP's proposal 203624.01.P.001 dated 14 April 2021.

The objective of the PSI were:

- 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.); and
- To comment on the need for further investigation and/or management with regard to the proposed development.

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:

- National Environment Protection Council (NEPC), National Environment Protection (Assessment of Site Contamination) Measure, 1999 as amended 2013;
- NSW EPA, Consultants Reporting on Contaminated Land, May 2020; and
- NSW Department of Urban Affairs and Planning, Managing Land Contamination Planning Guidelines SEPP 55–Remediation of Land, 1998.

2. Background

The proposed development is for construction and operation of a new primary school with Core 21 facilities in Murrumbateman that will accommodate up to 368 students.

The proposed development includes:

- A collection of 1-2 storey buildings containing 14 home base units, 2 special education learning units, hall, administration facilities and library;
- On-site parking lot with 40 spaces and kiss-and-ride area;
- Outdoor sports court and play area; and
- Integrated landscaping, fencing and signage.

3. Scope of Works

DP undertook the following scope of works to meet the project objectives:

- Reviewed readily available site history information, 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 (assumed to be available from the client);
- Reviewed site information, including published information on geological, topographical hydrogeological, soil salinity and acid sulfate soil (ASS) conditions;
- Completed a site walkover and observed situations that indicate a potential for contamination and identified environmental receptors;
- Development of a preliminary conceptual site model (CSM);
- Excavation of 7 test pits and drilling of 8 boreholes across the site using an excavator or drill rig. It is noted that locations of the pits were informed by the geotechnical investigation undertaken by DP;
- Collection of soil samples at regular intervals or obvious signs or potential contamination;
- Laboratory testing on 19 samples for a combination of 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);
    - Asbestos;

- Two additional samples were tested for quality control purposes for TRH, BTEX, PAH and metals; and two samples were also be tested for pH, clay content and cation exchange capacity in order to produce site specific investigation levels; and
- Preparation of this report presenting the results of the assessment and 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	2 Fairley Street, Murrumbateman
Legal Description	Lot 302 Deposited Plan 1228766
Area	15,434.92 m^2 (1.54 ha)
Zoning	Zone RU5: Village
Local Council Area	Yass Valley Council
Current Use	Undeveloped Land / Car Park
Surrounding Uses	North – Abode Hotel with rural residential beyond East – Barton Highway with playing fields and agricultural land beyond South – Museum with service station and residential properties beyond West – Pre-school with residential properties beyond

The site location is presented in Figure 1.

Figure 1: Site Location

4.1 Site Description

The site is located at 2 Fairley Street, Murrumbateman, in the local government area of Yass Valley Council. The site is formally described as Lot 302 DP1228766 (refer to Figure 1). The site is irregular in shape and has an area of 15,434.92 m².

The site is located at the northern end of the Murrumbateman village, which is characterised by a mix of uses including low density residential and some commercial.

Immediately surrounding development includes a tourist hotel to the north across Fairley Street, Murrumbateman Library (located in the former Murrumbateman schoolhouse, a local heritage building) to the south, a medical centre and childcare centre to the west, and rural land and equestrian facilities to the east across Barton Highway. There is also a cycling and equestrian pathway to the south between the site and library.

The site contains an existing parking lot at its northern end and a driveway along its western boundary. There is also a mound of soil at the southern end of the site. The site is otherwise cleared and vacant.

The site is in a RU5 (village) zoning and is bounded by a hotel to the north, Barton highway to the east, a childcare centre to the west and an early childhood service centre to the south. At the time of investigation, the site had a moderately grassed stockpile about 2 - 4 m high, 40 m long and 20 m wide to the south. The site is relatively flat, gently sloping from northwest to southeast with surface levels ranging approximately 566 m to 569 m Australian Height Datum (AHD). An approximate 1 m high fill batter was observed running along the eastern boundary.

5. Environmental Setting

Regional Topography	The regional topography is generally undulating with higher hills located both to the east and west of the site.
Site Topography	The site is generally flat and slopes down slightly towards the east.
Soil Landscape	Reference to NSW Department of Planning Industry and Environment eSPADE website (https://www.environment.nsw.gov.au/eSpade2Webapp, accessed 20 May 2021) indicated that the site is located on the Boorowa Soil Landscape. The Boorowa Soil Landscape comprises of yellow to light reddish duplex soils on crests and slopes. Red and Yellow Earths and non-calcic Brown Soils with yellow Solodic Soils are also present in drainage lines. This landscape experiences minor gullying of drainage lines and sheet and wind erosion during dry periods. Soil salinity is indicated not to be present within the Boorowa Soil Landscape
Geology	Reference to the Gunning 1:100 000 Geological Series Sheet (Thomas *et al.*, 2013) indicates that the site is underlain by residual Quaternary (Qr) of the Cainozoic sedimentary province. However, based on the results in the field and from previous experience, the Murrumbateman area is generally underlain by Douro Group and Mount Ainslie Volcanics comprising of dacitic ignimbrite, minor ashstone, agglomerate and shale.
Acid Sulfate Soils	Reference to the CSIRO's Atlas of Australian Acid Sulfate Soils online mapping portal, (A S R I S - Atlas of Australian Acid Sulfate Soils (csiro.au)) indicates that the site has an extremely low probability of acid sulfate soils to be present.
Salinity	Reference to NSW Department of Planning Industry and Environment eSPADE website (https://www.environment.nsw.gov.au/eSpade2Webapp, accessed 20 May 2021), indicated that the site is unlikely to be affected by soil salinity issues.
Surface Water	The nearest surface water feature to the site is an unnamed creek located approximately 70 m to the east of the site. It is considered that surface water would likely drain from the site towards the east.

5.1 Registered Groundwater Bores

A search of the publicly available registered groundwater bore database indicated that there are 31 registered groundwater bores within 1 km of the site. The 31 groundwater bores from within 1 km of the site are summarised in Table 1. Further details are presented in Appendix C.

Table 1: Summary of Available Information for Nearby Registered Groundwater Bores

Bore ID Authorised Purpose Completion Year Status	Location Relative to Site	Final Depth (m)	Standing Water Level (m bgl)
GW400793 Irrigation - 1998	230m N	72	NA
GW400786 Stock, Domestic - 1998	1km NW	98	22
GW400788 Stock, Domestic - 1998	888m NW	80	NA
GW415880 Town Water Supply - 2010	190m W	132	7
GW045643 Stock, Domestic - 1976	425m W	42.7	NA
GW024648 Domestic - 1966	125m SW	24.5	NA
GW045355 Stock, Domestic - 1975	509m SW	37.8	NA
GW056770 Stock, Domestic - 1982	547m SW	38.1	NA
GW047713 Stock, Domestic - 1979	476m SW	30.5	NA
GW042529 Stock, Domestic - 1975	861m SW	24.9	NA
GW058965 Domestic - 1984	603m SW	60.9	NA
GW401213 Stock, Domestic - 1995	903m S	68	NA
GW056857 Stock, Domestic - 1983	686m S	60.9	NA
GW068266 Domestic - 1990	826m S	70	NA
GW403153 Domestic - 2005	547m S	21.7	12
GW049956 Stock - 1979	884m S	45.7	NA

Bore ID Authorised Purpose Completion Year Status	Location Relative to Site	Final Depth (m)	Standing Water Level (m bgl)
GW400950 Domestic - 1999	921m SE	50	21
GW416633 Stock, Irrigation, Domestic - 2013	531m SE	102	24
GW401762 Test Bore - 2001	258m SE	100	1.95
GW415882 Town Water Supply - 2007	159m SE	100	3.5
GW054023 Town Water Supply - 1979	142m SE	30	NA
GW085106 Monitoring Bore - 1999	216m E	42	2.8
GW085107 Monitoring Bore - 1999	209m E	7	3
GW053317 Stock, Domestic - 1981	202m E	45.7	NA
GW053315 Stock, Domestic - 1981	387m NE	45.7	NA
GW020869 Unknown	913m NE	32.9	NA
GW020871 Unknown	606m NE	157.3	NA
GW401604 Domestic - 2003	441m S	60	NA

6. Site History

6.1 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. A summary of the title deeds and possible land uses (with reference to the aerial photographs and other historical searches) is presented in Table 2.

Table 2: Summary of Historical Title Deeds

Registered Date	Registered Proprietor(s)	Inferred Land Use
17/12/1900 (1900 to 1914)	David Webster (Grantee)	Likely grazing
16/02/1914 (1914 – 1925)	Janet Webster (Widow) Margaret Webster (Spinster) (Transmission Application not investigated)	Unknown
15/10/1925 (1925 – 1951)	Margaret Webster (Spinster)	Unknown
27/09/1951 (1951 – 2006)	William Gordon McClung (Grazier)	Likely Grazing
30/06/2006 (2006 – 2006)	Margaret Joan Bushell Helen McClung	Unknown
12/10/2006 (2006 – 2020)	Shaw Projects Pty Limited	Likely subdivision development
15/12/2020 (2020 – Present)	Minister For Education and Early Childhood Learning	

6.2 Historical Aerial Photography

Three historical aerial photographs and three satellite images 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 Table 3.

Table 3: Summary of Historical Aerial Photographs

Year	Site	Surrounding Land Use
1982	The site appeared to be undeveloped agricultural land, most likely to be used for grazing. The site surface appeared to be grass covered. A farm dam was present in the north-western portion of the site. A dam wall was present on the eastern side of the dam.	The surrounding area appeared to be a rural setting. Barton Highway was present to the east of the site and land to the north and west appeared to be grazing land. Low density rural residential properties were present to the south of the site.
1989	Largely unchanged from the previous aerial photograph.	Largely unchanged from the previous aerial photograph.
1997	Largely unchanged from the previous aerial photograph.	Largely unchanged from the previous aerial photograph. A possible service station had

Year	Site	Surrounding Land Use
		been developed approximately 260 m to the south of the site.
2010	Largely unchanged from the previous aerial photograph.	Largely unchanged from the previous aerial photograph.
2015	The topsoil appeared to have been stripped from the north-eastern corner of the site. A cross over entered the site in the north-western corner of the site.	A residential subdivision was under construction to the north and west of the site. Roadways had been constructed and earthworks were underway.
2017	The surface of the site appeared to be disturbed bare earth. The farm dam was no longer visible, appeared to have been infilled. A stockpile was present in the southern portion of the site. A roadway was under construction along the western boundary of the site.	A small number of residential properties had been constructed within the subdivision.
2020	A carpark had been constructed in the northern portion of the site. The construction of the roadway along the western boundary of the site had been completed. A stockpile was present in the southern portion of the site.	Additional houses had been developed to the west of the site. A hotel building was present to the north of the site. A childcare facility was present immediately to the west of the site.

6.3 Public Registers and Planning Records

EPA Notices available under Section 58 of the Contaminated Lands Management Act (CLM Act) Database searched 21 May 2021	There were no records of notices for the site or adjacent sites.
Sites notified to EPA under Section 60 of the CLM Act Database searched 21 May 2021	The site and adjacent sites were not listed as a notified contaminated site. The closest notified contaminated site was located in Yass.
Licences listed under Section 308 of the Protection of the Environment Operations Act 1997 (POEO Act) Database searched 21 May 2021	There were no records of notices for the site or adjacent sites.

SafeWork NSW	Authority to search SafeWork NSW records relating to the storage of dangerous goods was requested by not received. Given that the site was undeveloped prior to the subdivision of the site it is considered unlikely that dangerous goods would have been stored at the site.
Planning Certificate(s)	At the time of writing this report, the planning certificate had not been received. Once received, this report will be revised to include relevant details from the Planning Certificate.

6.4 Previous works

DP have previously undertaken geotechnical works at the site during subdivision of the wider area. Two reports detail geotechnical assessment works undertaken at the site:

- Douglas Partners Pty Ltd (2016). *Memorandum No. 3, Record of Site Visits on 22 & 26 April 2016 Stripping Inspections, North Street Subdivision, Murrumbateman*. Reference 77465.04.RM.003.Rev0, dated 28 April 2016; and
- Douglas Partners Pty Ltd (2017). *Earthworks Quality Report, Commercial Area Controlled Filling, Fairley Estate, Murrumbateman, NSW*. Reference 77465.04.R.006.Rev1, dated 30 March 2017.

Memorandum No. 3 recorded the details of site visits undertaken on 22 and 26 April 2016. At the time of the site visits, the site had been stripped on vegetation and fill material undertaken at a previous date was present in the north-eastern portion of the site. Investigation of the filling indicated that the fill was approximately 200 mm thick, comprised of gravel. The farm dam was still present and was being prepared for infilling. On 26 April 2016, it was noted that the former dam had been stripped of wet sediment exposing weathered bedrock in the base of the dam.

The Earthworks Quality Report (EQR), reported the geotechnical surveillance undertaken of controlled filling on site. The extent of the filling was within the former dam located in the north-western portion of the site and the central portion of the site. The depth of fill was estimated to vary between 4.5 m deep within the former dam and 1.5 m deep within the central portion of the site. The depth of fill was noted to progressively thin out from the central portion of the site.

The material used for filling the site was noted to have been sourced from the wider subdivision where excavations were required. It was described as consisting of mostly red-brown, low or medium plasticity sandy clay and extremely and very low strength tuff or tuffaceous sandstone rock.

6.5 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 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.

6.6 Summary of Site History

The site history information suggests that the site was acquired by the current owner (Minister For Education and Early Childhood Learning) in 2020 from Shaw Projects Pty Ltd. It is understood that the previous owners completed a residential subdivision of the wider area. It is considered likely that earlier previous owners of the site used the site for grazing, given the former presence of a farm dam on the site.

Since the site was included as part of a residential subdivision development, fill material has been placed on the site. The dam was infilled under Level 1 Certification conditions between April 2016 and October 2016, and DP (2017) indicated that the fill was obtained from required excavations within the wider subdivision.

There are no records of any previous site contamination assessments undertaken at the site and the site does not appear on the list of contaminated sites notified to the NSW EPA. There are no records of an environment protection licence for the site.

7. Site Walkover

7.1 Observations

A site walkover was undertaken by an environmental scientist on 6 May 2021. The general site topography was consistent with that described in Section 5. The site layout appears to have remained unchanged from the 2020 aerial photograph. The following key site features pertinent to the PSI were observed (refer to photographs in Appendix E).

- No evidence of chemical storage was noted during the site walkover;
- An area of asphalt carpark is present in the northern portion of the site;
- The site has an intermittent cover of thin, ground vegetation;
- Fill was observed to be present across most of the site. Various gravels were visible on the site surface and was observed to be consistent over the whole site;
- A stockpile was present in the south of the site. It is approximately 2 m – 4 m in height, 40 m long and 20 m wide. The stockpile was covered in vegetation, which appeared to be in good condition;
- There was no evidence of underground fuel storage tanks or above fuel storage tanks noted during the site inspection; and
- There was no evidence of stressed vegetation observed at the site.

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 residential subdivision earthworks. Whilst it is noted that the fill was likely sourced from the wider subdivision, DP are not aware that a contamination assessment was undertaken prior to the subdivision works, therefore, the quality of the fill material is unknown.
  - COPC include metals, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene (BTEX), polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), organochlorine pesticides and organophosphate pesticides (OCP/OPP) and asbestos.
- S2: Potential use of pesticides during former agricultural use of the site.
  - COPC include arsenic, OCP and OPP.

Potential Receptors

The following potential human receptors have been identified:

- R1: Current users [Car park users];
- R2: Construction and maintenance workers;
- R3: End users [School pupils, staff and school users]; and
- R4: Adjacent site users [Neighbouring residents, childcare workers and children].

The following potential environmental receptors have been identified:

- R5: Surface water [un-named stream 70 m east of the site.];
- R6: Groundwater; and
- R7: Terrestrial ecology.

Potential Pathways

The following potential pathways have been identified:

- P1: Ingestion and dermal contact;
- P2: Inhalation of dust and/or vapours;
- 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: Contact with terrestrial ecology.

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 S2) 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, PCB, OCP/OPP and asbestos	P1: Ingestion and dermal contact P2: Inhalation of dust and/or vapours 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 P6: Contact with terrestrial ecology	R1: Current users [Car park users]]; R2: Construction and maintenance workers; R3: End users [School pupils, staff and school users]; and R4: Adjacent site users [Neighbouring residents, childcare workers and children]. R5: Surface water [un-named stream 70 m east of the site]; R6: Groundwater; and R7: Terrestrial ecology	Areas of fill are known to have been placed at the site. Whilst the source of the fill is known, the quality of the fill cannot be ascertained. An intrusive investigation is recommended targeting identified potential sources of contamination including testing of the soils and potentially groundwater
S2: Potential historical use of pesticides, arsenic, OCP/OPP	P1: Ingestion and dermal contact P2: Inhalation of dust 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 P6: Contact with terrestrial ecology	R1: Current users [Car park users]]; R2: Construction and maintenance workers; R3: End users [School pupils and school users]; and R4: Adjacent site users [Neighbouring residents, childcare workers and children]. R5: Surface water [un-named stream 70 m east of the site]; R6: Groundwater; and R7: Terrestrial ecology	An intrusive investigation is recommended targeting identified potential sources of contamination including testing of the soils and potentially groundwater

9. Sampling, Analysis and Quality Plan

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

9.1 Soil Sampling Rationale

Based on the CSM and DQO, it was considered that 15 locations would be appropriate to provide a preliminary indication of the contamination status of the site. It is noted that for a site of 1.5 ha in size, the NSW EPA Sampling Design Guidelines (1995) recommends a minimum of 25 sampling locations. Given that the larger area in which the site sits was subdivided recently and that fill was placed on the site in 2016, the identified areas of environmental concern are considered to be low risk. It is considered appropriate that 15 sampling locations are adequate to characterise the potential for contamination to be present.

The test pit locations are shown on Drawing 2, Appendix A.

Soil samples were collected from each borehole / 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 a low-density residential land use scenario, considered appropriate for the development of a primary school. 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. Field Work Results

Details of the subsurface conditions encountered are presented in the bore hole and test pit logs included in Appendix J. The logs must be read in conjunction with the attached notes that define classification methods and terms used to describe the soils and rocks.

The succession of strata (not including pavement profile and stockpiles) is broadly summarised below:

TOPSOIL FILL: low plasticity, wet, firm, sandy Silt, trace rootles, only in Bore 1 to depth of 0.1 m.

FILL (ROADBASE): medium dense, well graded gravel underlying 35 mm to 55 mm thick surficial asphalt layer, to depths between 0.3 m – 0.4 m in Bores 1, 10 – 13.

FILL: generally low to medium plasticity, stiff to hard, moist, silty/sandy Clay, with varying amount of sand and gravel encountered in all test locations except in Bore 8 and 13, to depths of between 0 - 0.3 m and 0.2 m – 1.0 m.

CLAYEY/SANDY/GRAVELLY SILT: generally low plasticity, moist, stiff to very stiff, clayey/sandy/gravelly silt, with varying amount of sand and gravel mixture in Bores 1, 10 and 13 and Pits 2 and 3, to depths of between 0.3 m – 1.2 m and 0.5 m – 1.4 m. It is noted that in Pits 2 and 3, this layer is interbedded within the silty clay layer.

SILTY/SANDY/GRAVELLY CLAY & CLAY: generally low to high plasticity, moist to dry, stiff to hard, silty/sandy/gravelly clay and clay with varying amount of sand, ironstone nodules and gravel from depths of 0.5 m – 1.0 m to termination depths of 2.5 m – 2.7 m in Bores 10 – 13 and Pits 2 – 4 and 7; from 0.1 m – 1.4 m to 1.0 m – 6.5 m in Bore 1, 5, 6, 8, 13 and Pit 9.

DACITE: variably extremely low, extremely weathered dacite becoming low strength, highly weathered with depth, below depths of 1.0 m – 6.5 m to the termination depths of 2.5 m – 8.5 m.

No free groundwater was observed during the drilling/excavation of the boreholes/test pits. However, groundwater was found in some boreholes after drilling as presented in Table 5 below:

Table 5: Groundwater Recordings

Bore	Groundwater Depth and Estimated Reduced Level 5/5/2021 – 6/5/2021		
	Depth (m)	RL (m)*	Time of Measurement
BH1	6.2 m	559.8 m	1 hour after drilling
BH5	6.5 m - 6.7m	561.5 m - 561.3 m	1 hour after drilling
BH6	5.2 m	563.8 m	4 hours after drilling
BH8	5.0 m	564 m	2 hours after drilling

It is noted that the boreholes were backfilled within hours after drilling and test pits on the same day, precluding longer term monitoring of groundwater levels.

Groundwater conditions rarely remain constant and can change due to seasonal variations in rainfall and evapotranspiration, and also permeability and irrigation practices. For these reasons, it is noted that the moisture condition of the site soils may vary considerably between the time of the investigation and construction. It is noted that the field work was undertaken during a relatively dry period.

11.1 Contamination Observations

There were no observations of visual or olfactory evidence (e.g.: staining, odours, free phase product) to suggest the presence of contamination within the soil observed in the investigation.

Results of the PID screening were below 1 ppm in all test pits and boreholes indicating the presence of VOCs to be very low to unlikely.

11.2 Laboratory Analytical Results

The laboratory certificate of analysis together with the chain of custody and sample receipt information is provided in Appendix J.

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

- Table I1: Summary of Results of Soil Analysis (Metals, Hydrocarbons and PAH); and
- Table I2: Summary of Results of Soil Analysis (OCP, OPP, PCB and Asbestos).

12. Discussion

12.1 Soils

Analytical results of soil samples were all within the adopted health-based (i.e. HIL-A / HSL-A/B) and ecological (i.e. EIL / ESL) criteria, and management limits for residential land use.

12.2 Data Quality Assurance and Quality Control

The data quality assurance and quality control (QA/QC) results are included in Appendix K and the relative percentage difference results for intra-laboratory replicates 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). The updated CSM is presented in Table 6.

Table 6: Revised Summary of Potentially Complete Exposure Pathways

Source and COPC	Transport Pathway	Receptor	Risk Management Action
S1: Fill, Metals, TRH, BTEX, PAH, PCB, OCP/OPP and asbestos	P1: Ingestion and dermal contact P2: Inhalation of dust and/or vapours 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 P6: Contact with terrestrial ecology	R1: Current users [Car park users]]; R2: Construction and maintenance workers; R3: End users [School pupils and school users]; and R4: Adjacent site users [Neighbouring residents, childcare workers and children]. R5: Surface water [un-named stream 70 m east of the site]; R6: Groundwater; and R7: Terrestrial ecology	The results of the investigation indicated that fill material was present across most of the site. The results of the laboratory analysis indicated that reported concentrations of CoPC were below the adopted assessment criteria. It is considered that the potential for chemical contamination associated with fill at the site is low, however, it is recommended that a construction environment management plan (CEMP) incorporating and unexpected finds protocol (UFP) be prepared and implemented during construction at the site. Where fill material requires off-site disposal, the material must be assessed prior to off-site reuse or disposal.
S2: Potential historical use of pesticides, arsenic, OCP/OPP	P1: Ingestion and dermal contact P2: Inhalation of dust 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 P6: Contact with terrestrial ecology	R1: Current users [Car park users]]; R2: Construction and maintenance workers; R3: End users [School pupils and school users]; and R4: Adjacent site users [Neighbouring residents, childcare workers and children]. R5: Surface water [un-named stream 70 m east of the site]; R6: Groundwater; and R7: Terrestrial ecology	The results of the laboratory analysis indicated that reported concentrations of CoPC were below the adopted assessment criteria.

14. Conclusions and Recommendations

Douglas Partners Pty Ltd (DP) was engaged by Hansen Yuncken Pty Ltd to complete this preliminary site investigation (contamination) (PSI) undertaken for the new primary school at Murrumbateman at 2 Fairley Street, Murrumbateman.

The objectives of the PSI were:

- 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.); and
- To comment on the need for further investigation and/or management with regard to the proposed development.

Areas that may be impacted by potential contamination were identified based on the available desktop site information, a site walkover and intrusive investigation (including observations made during the geotechnical investigation). Fill material was identified across the majority of the site. Historical aerial photographs and DP records indicated that the fill material was placed on site during 2016 during subdivision of the wider area.

The results of the laboratory analysis indicated that reported concentrations of contaminants of concern for fill and potential use of pesticides, were below the adopted assessment criteria or not detected.

DP considers that the site is suitable for use as a primary school, subject to the following measures during any potential future development works:

- A Construction Environment Management Plan should be prepared including an 'unexpected finds protocol' (i.e. asbestos in fill, hydrocarbon affected soils including staining and odours and evidence of heavy pesticide use) and implemented during potential future site works;
- Should suspected asbestos containing materials be encountered at the site, the affected area should be fenced off and assessed by a licensed asbestos assessor;
- The fill material encountered beneath the site would be suitable for on-site reuse; and
- Should any fill or stockpiled material be required to be disposed off-site, they must first be assessed in accordance with NSW EPA Waste Classification Guidelines Part 1 Classifying Waste (2014) and assigned a waste classification prior to off-site disposal.

15. References

Douglas Partners Pty Ltd (2016). *Memorandum No. 3, Record of Site Visits on 22 & 26 April 2016 Stripping Inspections, North Street Subdivision, Murrumbateman*. Reference 77465.04.RM.003.Rev0, dated 28 April 2016.

Douglas Partners Pty Ltd (2017). *Earthworks Quality Report, Commercial Area Controlled Filling, Fairley Estate, Murrumbateman, NSW*. Reference 77465.04.R.006.Rev1, dated 30 March 2017.

Thomas, O.D., Scott, M.M., Warren, A. Y. E., Sherwin, L., Pogson, D.J. and Vasallo, J.J. (2013). *Gunning 1:100 000 Geological Sheet 8728*. Geological Survey of New South Wales, Maitland Australia.

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 for this project at 2 Fairley Street, Murrumbateman in accordance with DP's proposal dated 14 April 2021 and acceptance received from Paul Todhunter dated 19 April 2021. The work was carried out under DP's Conditions of Engagement. This report is provided for the exclusive use of Hansen Yuncken 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.

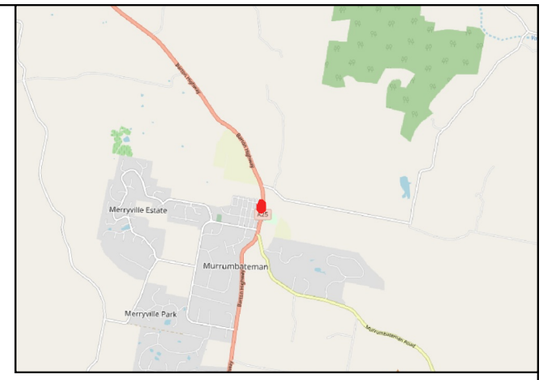
This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation,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

Douglas Partners Pty Ltd

Appendix A

Drawings



LOCALITY MAP

Notes:
1. Basemap from GoogleEarth(R) (dated 27/04/2019)

Legend

- Approximate Site Boundary

Areas of Environmental Concern

- Former farm dam location infilled during subdivision
- Approximate Stockpile Location
- Location of Fill placed during subdivision

0 25 50 75 m

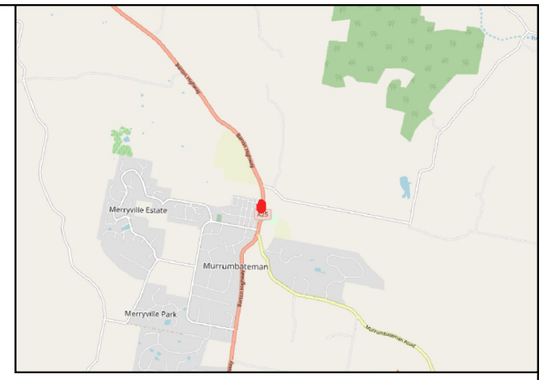
Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	Hansen Yuncken Pty Ltd		
OFFICE:	Canberra	DRAWN BY:	PJS
SCALE:	1:1000 @ A3	DATE:	24.05.2021

TITLE: **Site Layout and Ste Features Plan**
New Primary School in Murrumbateman
2 Fairley Street, Murrumbateman

N

PROJECT No:	203624.01
DRAWING No:	1
REVISION:	0



LOCALITY MAP

Notes:
1. Basemap from GoogleEarth(R) (dated 27/04/2019)
2. Test locations are approximate only

Legend
- Approximate Site Boundary
- Approximate Borehole Location
- Approximate Test Pit Location

0 25 50 75 m

Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	Hansen Yuncken Pty Ltd		
OFFICE:	Canberra	DRAWN BY:	PJS
SCALE:	1:1000 @ A3	DATE:	24.05.2021

TITLE: **Borehole and Test Pit Location Plan**
New Primary School in Murrumbateman
2 Fairley Street, Murrumbateman

N

PROJECT No:	203624.01
DRAWING No:	2
REVISION:	0

Appendix B

About This Report

About this Report

Douglas Partners

Introduction

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

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

Copyright

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

Borehole and Test Pit Logs

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

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

Groundwater

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

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

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

Reports

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

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

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

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

About this Report

Site Anomalies

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

Information for Contractual Purposes

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

Site Inspection

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

Appendix C

Site History Search Results

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.

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 *Protection of the Environment Operations Act 1997*.
Under Preliminary Investigation Order	The EPA has issued a Preliminary Investigation Order under s10 of the *Contaminated Land Management Act 1997*, 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 *Contaminated Land Management Act 1997* 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 *Contaminated Land Management Act 1997*. 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 *Environmental Planning and Assessment Act 1979* (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the *Contaminated Land Management Act 1997* (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the *Protection of the Environment Operations Act 1997* (POEO Act).

Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the *Environmental Planning and Assessment Act 1979* (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record.

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?

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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 *Protection of the Environment Operations Act 1997*.
Under Preliminary Investigation Order	The EPA has issued a Preliminary Investigation Order under s10 of the *Contaminated Land Management Act 1997*, 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 *Contaminated Land Management Act 1997* 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 *Contaminated Land Management Act 1997*. 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 *Environmental Planning and Assessment Act 1979* (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the *Contaminated Land Management Act 1997* (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the *Protection of the Environment Operations Act 1997* (POEO Act).

Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the *Environmental Planning and Assessment Act 1979* (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record.

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ABBOTSFORD	Former Gasworks	83 Wymston PARADE	Gasworks	Contamination formerly regulated under	-33.85288351	151.1265979
ABBOTSFORD	Former Gasworks	82, 83, 84 Wymston Pde, & 37, 39, 43, 45	Gasworks	Contamination formerly regulated under	-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 Alb	Gasworks	Regulation under CLM Act not required	-33.85306653	151.1268142
ABBOTSFORD	Former Gasworks	43 St Albans STREET	Gasworks	Contamination formerly regulated under	-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	Mobil Depot, Railway Place Albury	1 Railway PLACE	Other Petroleum	Regulation under CLM Act not required	-36.08526805	146.9236999
ALBURY	Woolworths Petrol	515 Young STREET	Service Station	Regulation under CLM Act not required	-36.08073723	146.92351
ALBURY	Former Caltex Service Station	842 David STREET	Service Station	Regulation under CLM Act not required	-36.06398743	146.9252143
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	Former Gasworks and surrounding comm	441 Kiewa STREET	Gasworks	Contamination currently regulated under	-36.08416926	146.9137704
ALBURY	Coles Express Albury	465 Guinea STREET	Service Station	Regulation under CLM Act not required	-36.07513665	146.9213077

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ALBURY	Former Thales Australia site, Albury	161 Fallon STREET	Other Industry	Contamination formerly regulated under	-36.064966	146.9434831
ALBURY	Xpress Service Station	616-624 Young STREET	Service Station	Contamination formerly regulated under	-36.07555262	146.9256466
ALBURY	Albury Plaza	Cnr Smollett Street and Townsend STREE	Other Industry	Regulation under CLM Act not required	-36.08112933	146.9135719
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	SRA Land	448 and 452 Young STREET	Unclassified	Regulation under CLM Act not required	-36.08438605	146.9235454
ALBURY	Caltex Service Station	Dean Street, Corner Creek STREET	Service Station	Regulation under CLM Act not required	-36.07978937	146.9110825
ALEXANDRIA	Former Mobil Service Station	20 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.9075539	151.2014811
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	-33.91406619	151.195067
ALEXANDRIA	Formerly Gas N Go Alexandria (fully redev	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	Alexandria GoGas	562 Botany ROAD	Service Station	Regulation under CLM Act not required	-33.91577222	151.2000753
ALEXANDRIA	Australian Refined Alloys	202-212 Euston ROAD	Metal Industry	Regulation under CLM Act not required	-33.91505136	151.185872
ALEXANDRIA	Alexandra Canal Sediments	Off Huntley STREET	Other Industry	Contamination currently regulated under	-33.92204213	151.1770009
ALEXANDRIA	Australia Post	10-24 Ralph STREET	Other Industry	Contamination was addressed via the pla	-33.91583041	151.197997
ALEXANDRIA	Perry Park	1B Maddox STREET	Landfill	Regulation under CLM Act not required	-33.90809949	151.1962945

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ALEXANDRIA	Alexandria Gardens	146-156 Wyndham Street & 146-156 Bota	Unclassified	Regulation under CLM Act not required	-33.89956961	151.1997377
ALEXANDRIA	Sydney Park	Sydney Park ROAD	Landfill	Contamination currently regulated under	-33.91031048	151.1844672
ALEXANDRIA	Former Industrial Site (now Value Suites)	16 O'Riordan STREET	Other Industry	Regulation under CLM Act not required	-33.9069796	151.201902
ALEXANDRIA	205-225 Euston Road, Alexandria	205-225 Euston ROAD	Other Industry	Regulation under CLM Act not required	-33.912258	151.185878
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 Servic	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
ARDLETHAN	Landmark Fertiliser Storage Facility	18 & 24-26 Ariah 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	Former Mobil Depot	132 Niagara STREET	Other Petroleum	Contamination formerly regulated under	-30.51115918	151.6490343
ARMIDALE	Caltex Service Station	146 Miller STREET	Service Station	Regulation under CLM Act not required	-30.51362759	151.6481123
ARMIDALE	RTA land adjoining Martin Street estate	Martin STREET	Other Industry	Contamination formerly regulated under	-30.5045	151.6433

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ARMIDALE	Shell Service Station	93 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51299824	151.6697557
ARMIDALE	Parklands near the former gasworks	Beardy Street and Allingham STREET	Gasworks	Regulation under CLM Act not required	-30.51013465	151.6652722
ARMIDALE	Gasworks and portion of Harris Park	Corner of Beardy Street and Allingham ST	Gasworks	Contamination currently regulated under	-30.51157374	151.6623009
ARMIDALE	Former Lot 3 Martin Street	89 Martin STREET	Other Industry	Regulation under CLM Act not required	-30.50675009	151.6453558
ARMIDALE	Martin Street Estate	Martin STREET	Other Industry	Regulation under CLM Act not required	-30.50559024	151.6431854
ARMIDALE	Caltex Armidale Girraween Service Statio	6-8 Queen Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-30.50348872	151.6510748
ARMIDALE	Martin Street, Crown Land	Martin STREET	Other Industry	Contamination formerly regulated under	-30.50414076	151.6429516
ARMIDALE	Former Shell Depot	134 Niagara STREET	Other Petroleum	Regulation under CLM Act not required	-30.51180178	151.6488634
ARMIDALE	Caltex Service Station	144 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51709925	151.6675802
ARMIDALE	Caltex North Hill Service Station	2-4 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.50320439	151.6727051
ARMIDALE	Mobil Armidale Service Station and Forme	10-12 McLennan STREET	Service Station	Regulation under CLM Act not required	-30.51107573	151.648242
ARMIDALE	Caltex Service Station	19/10541 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.53210764	151.6160492
ARMIDALE	Armidale Dumaresq Council Grafton Roac	15-25 Grafton ROAD	Other Petroleum	Regulation under CLM Act not required	-30.52058076	151.6815261
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	477 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.81053826	151.1774248

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ASHBY	Ashby Dry Dock	via Clarence STREET	Other Industry	Contamination formerly regulated under	-29.44158377	153.1972304
ASHFIELD	7-Eleven Ashfield	132 Liverpool Road STREET	Service Station	Under assessment	-33.8902785	151.1297902
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	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	-33.83671601	151.0292071
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
AUBURN	Department of Corrective Services land a	Jamieson STREET	Landfill	Contamination formerly regulated under	-33.82928257	151.0590653
AUBURN	Commercial Premises	11-13 Percy STREET	Other Industry	Under assessment	-33.849939	151.040642
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 Depo	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	-34.38925632	150.8808544
BALLINA	Former Mobil Service Station	37-41 Cherry STREET	Service Station	Regulation under CLM Act not required	-28.86952673	153.5624436

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BALLINA	Ballina Shell	273 River STREET	Service Station	Regulation under CLM Act not required	-28.86809272	153.5552789
BALLINA	Woolworths Petrol	Kerr STREET	Service Station	Regulation under CLM Act not required	-28.85824461	153.5605439
BALLINA	Ballina Mays Motors	River STREET	Other Petroleum	Regulation under CLM Act not required	-28.86935402	153.5585931
BALRANALD	Caltex Service Station	Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-34.66747746	143.5662034
BANKSIA	Woolworths Petrol Service Station Banksi	314 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.94567308	151.1416884
BANKSIA	Cooks Cove Development	Cooks Cove PARK	Landfill	Regulation under CLM Act not required	-33.94492759	151.1549947
BANKSMEADOW	Orica Botany Groundwater Project	16-20 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under	-33.95526361	151.2152005
BANKSMEADOW	Discovery Cove, Former Ampol Rail Termi	1801 Botany ROAD	Other Petroleum	Regulation being finalised	-33.96162178	151.2184122
BANKSMEADOW	Caltex Terminal	1-3 Penrhyn ROAD	Other Petroleum	Contamination currently regulated under	-33.96335328	151.2171062
BANKSMEADOW	Orica Botany (Pre-2003 Regulation)	Denison STREET	Chemical Industry	Contamination currently regulated under	-33.9516159	151.2195804
BANKSMEADOW	Veolia Waste Transfer Terminal (former K	34-36 McPherson STREET	Other Industry	Regulation under CLM Act not required	-33.95811039	151.2195225
BANKSMEADOW	Orica Former Chlor Alkali Plant (same site	Botany Industrial Park, off Denison STREE	Chemical Industry	Contamination currently regulated under	-33.95664283	151.221685
BANKSMEADOW	Former Pipeline	Corish CIRCLE	Other Petroleum	Regulation being finalised	-33.94705787	151.2209919
BANKSMEADOW	Pacific National Rail Siding	1 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under	-33.95757712	151.2204974
BANKSMEADOW	Former Mobil Banksmeadow Terminal	Coal Pier ROAD	Other Petroleum	Regulation under CLM Act not required	-33.95405624	151.2142048
BANKSMEADOW	Orica Car Park Waste Encapsulation	Corish CIRCLE	Landfill	Contamination formerly regulated under	-33.94703665	151.22083

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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 DRIV	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	Under preliminary investigation order	-33.9008648	150.9991181
BATEAU BAY	Former landfill	The Entrance ROAD	Landfill	Contamination currently regulated under	-33.3938305	151.4699046
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	Shell Coles Express Service Station	(Cnr Stewart and Rocket Street) 298 Stew	Service Station	Regulation under CLM Act not required	-33.41910999	149.5677773
BATHURST	Former Shell Depot Bathurst	56 Bant STREET	Other Petroleum	Regulation under CLM Act not required	-33.43471575	149.5774595
BATHURST	Bathurst Rail Fabrication Centre	34 Alpha STREET	Other Industry	Regulation under CLM Act not required	-33.42805153	149.5829156
BATHURST	Bathurst - Former Caltex Depot	114 Howick STREET	Other Petroleum	Regulation under CLM Act not required	-33.42296963	149.5862574
BATHURST	Caltex Bathurst Service Station	53 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41689545	149.5848527

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BATHURST	Former Police Station	Corner of William Street and Durham STR	Other Petroleum	Contamination formerly regulated under	-33.41592424	149.5842233
BATHURST	Former Mobil Depot	1 Lambert STREET	Other Petroleum	Regulation under CLM Act not required	-33.42875534	149.5806344
BATHURST	Crago Mill site	Piper STREET	Other Industry	Regulation under CLM Act not required	-33.42777602	149.5809428
BATHURST	Former Mobil Depot	Lower Russell STREET	Other Petroleum	Regulation under CLM Act not required	-33.42497876	149.585128
BATHURST	Shell Coles Express Bathurst Service Stati	59 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41639415	149.5843243
BATHURST	Former Gasworks	71 Russell STREET	Gasworks	Contamination formerly regulated under	-33.42420302	149.5864517
BATHURST	Former Devro Cattle Hide Processing Plar	46 Vale ROAD	Other Industry	Regulation under CLM Act not required	-33.43926137	149.5803563
BATLOW	Crown Reserves	Mill ROAD	Other Industry	Under assessment	-35.529397	148.154051
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	Shell Coles Express Service Station	363 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.7601819	150.9916224
BAULKHAM HILLS	IBM Baulkham Hills Data Centre	3 Brookhollow AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.733008	150.971079
BEACON HILL	Caltex Service Station	176 Warringah ROAD	Service Station	Contamination currently regulated under	-33.75381485	151.2602617
BEACON HILL	Former 7-Eleven Service Station, Beacon I	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	Coles Express (former Caltex) Service Stat	2-6 Swan (Corner Carp) STREET	Service Station	Regulation under CLM Act not required	-36.67388263	149.838163

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BEGA	Former BP Service Station	100 - 102 Gipps STREET	Service Station	Regulation under CLM Act not required	-36.67563094	149.8433291
BEGA	Former Bega Gasworks	19-29 Upper STREET	Gasworks	Under preliminary investigation order	-36.67710613	149.8480253
BEGA	Caltex Service Station	36-40 Lagoon STREET	Service Station	Regulation under CLM Act not required	-36.66832965	149.8289048
BEGA	Lands Adjoining the Former Bega Gaswor	Part of Upper, East, Gordon & Gloucester	Gasworks	Under preliminary investigation order	-36.67704706	149.848425
BEGA	Spenco Site - owned by Bega Spotlight Pr	53-65 Bega Street STREET	Other Industry	Regulation under CLM Act not required	-36.67135539	149.8450828
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	Woolworths Service Station Belmont Nor	399 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02454211	151.6634893
BELMONT NORTH	Caltex Belmont North Service Station	406 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02476876	151.6623655
BELMONT NORTH	Belmont Bus Depot	2 Floraville ROAD	Other Petroleum	Regulation under CLM Act not required	-33.02476269	151.6606657
BELMORE	SRA Land	348 Burwood ROAD	Unclassified	Regulation under CLM Act not required	-33.91753611	151.0859487
BELMORE	7-Eleven Service Station	792-794 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92567992	151.0873469
BELROSE	Glenrose Shopping Centre	56-58 Glen STREET	Unclassified	Contamination currently regulated under	-33.73917996	151.2101029
BELROSE	Woolworths Petrol	60 Glen STREET	Service Station	Regulation under CLM Act not required	-33.74009002	151.2091045
BELROSE	Caltex Service Station	157 Forest WAY	Service Station	Regulation under CLM Act not required	-33.7347675	151.2212004
BENNETTS GREEN	Former Windale Wastewater Treatment V	8 Templar PLACE	Other Industry	Regulation under CLM Act not required	-33.00317523	151.6936636

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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
BEROWRA	Caltex Berowra Service Station	12-14 Berowra Waters ROAD	Service Station	Regulation under CLM Act not required	-33.6233827	151.1505554
BEROWRA	7-Eleven Berowra Service Station	965-969 Pacific (Cnr Waratah Rd) HIGHWA	Service Station	Regulation under CLM Act not required	-33.62673163	151.1479171
BEROWRA	Shell Coles Express Berowra	955 Pacific (Cnr Yallambee Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-33.62818015	151.1475736
BEROWRA	42 Berowra Waters Road	42 Berowra Waters ROAD	Unclassified	Regulation under CLM Act not required	-33.6203823	151.1481246
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 (Former	75 Queen STREET	Service Station	Contamination currently regulated under	-34.77500516	150.695167
BEXLEY	7-Eleven Bexley	474 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95160096	151.1252355
BEXLEY	7-Eleven (former Mobil) Service Station B	613 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95539246	151.118447
BILAMBIL HEIGHTS	Former Banana Plantation Land	38 McAllisters ROAD	Other Industry	Regulation under CLM Act not required	-28.21218056	153.4778762
BILLINUDGEL	CSR Readymix	Mogo PLACE	Other Industry	Regulation under CLM Act not required	-28.50210255	153.5278161
BILLINUDGEL	Billinudgel General Store	2A Wilfred STREET	Service Station	Under assessment	-28.504355	153.527039

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 (	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.36713827	150.0483236
BLACKTOWN	Former Caltex Service Station	131 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75866104	150.8962614
BLACKTOWN	Valspar Blacktown	4 Steel STREET	Chemical Industry	Regulation under CLM Act not required	-33.75425018	150.9127714
BLACKTOWN	Harpers Bush (Reserve 752)	Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.79119448	150.8967838
BLACKTOWN	7-Eleven Service Station	60 Walters ROAD	Service Station	Regulation under CLM Act not required	-33.77599783	150.8948926
BLAKEHURST	Woolworths Service Station Blakehurst	390 Princes HIGHWAY	Service Station	Contamination currently regulated under	-33.99019694	151.1135663
BLAKEHURST	The Bay Nursing Home	392 & 394 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.99030465	151.1140293
BLAXLAND	7-Eleven (former Mobil) Service Station	137 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74627	150.6137669
BOAMBEE	Lindsay Bros transport depot site	542 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-30.33106848	153.0802985
BOAMBEE	BP-branded (former Mobil) Boambee Ser	601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.33544287	153.0817266
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 HIGHW	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	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

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
BOMADERRY	Bomaderry Works Depot	10 McIntyre WAY	Other Petroleum	Regulation under CLM Act not required	-34.84576748	150.6131411
BOMADERRY	Commercial Land	320 Princes HIGHWAY	Other Industry	Contamination currently regulated under	-34.84424073	150.5958149
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	Caltex Bombala Service Station	High Street corner Stephen STREET	Service Station	Regulation under CLM Act not required	-36.90447935	149.241292
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	-35.085202	147.404909
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) Ser	709 Cabramatta (W) ROAD	Service Station	Regulation under CLM Act not required	-33.89297085	150.8925935

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BONNYRIGG HEIGHTS	BP-Branded Service Station Bonnyrigg	451 North Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.89416327	150.8578378
BOOLAROO	Cardiff West Estate - Pasminco Cockle Cre	Adjacent to PCC Smelter at 13A Main ROA	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	-32.96079541	151.6141327
BOOLAROO	Pasminco Cockle Creek Smelter	Lake ROAD	Metal Industry	Ongoing maintenance required to manag	-32.94434593	151.6307345
BOOLAROO	Incitec Pivot	13 Main STREET	Other Industry	Contamination formerly regulated under	-32.94803538	151.6302187
BOOLAROO	Bunnings Site - Pasminco Cockle Creek	13a Main ROAD	Metal Industry	Contamination formerly regulated under	-32.94364503	151.6252316
BOOLAROO	Part Lot 2 DP1127713 (proposed Lot G) - I	13a Main ROAD	Metal Industry	Contamination formerly regulated under	-32.94404392	151.6267695
BOOLAROO	Lot 600 DP1228699 (formerly Part Lot 2 D	Main ROAD	Metal Industry	Contamination formerly regulated under	-32.94440875	151.6264143
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	-34.44157331	148.7162391
BOTANY	Former Aerosols of Australia	1617 Botany ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9529386	151.2037468
BOTANY	Allnex	49-61 Stephen ROAD	Chemical Industry	Contamination currently regulated under	-33.952588	151.21101
BOTANY	Former Tannery	2 Daniel STREET	Other Industry	Regulation under CLM Act not required	-33.94126194	151.1991087
BOTANY	Botany, Underwood	14a Underwood AVENUE	Unclassified	Contamination being managed via the pla	-33.94508532	151.1947626
BOTANY	Roads and Maritime Service	5 - 9 Lord STREET	Other Industry	Regulation under CLM Act not required	-33.94100279	151.1968763
BOTANY	Former Industrial Site	28 Folkestone PARADE	Unclassified	Contamination being managed via the pla	-33.95187539	151.1960537

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Cooerwull ROAD	Other Petroleum	Regulation under CLM Act not required	-33.47514572	150.1323899
BOWRAL	Shell Coles Express Bowral Service Station	430 Bong Bong STREET	Service Station	Regulation under CLM Act not required	-34.48269596	150.417389
BOWRAL	Former Gasworks	Merrigang STREET	Gasworks	Contamination currently regulated under	-34.4783957	150.4255053
BOX HILL	Former Waste Management Facility	25 Terry ROAD	Landfill	Regulation under CLM Act not required	-33.65559259	150.8977986
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
BRANXTON	Former Service Station Branxton	Part of 70 Maitland STREET	Service Station	Contamination currently regulated under	-32.65631582	151.3516243
BRANXTON	Branxton Wastewater Treatment Works	2151 New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.66069944	151.3625572
BREWARRINA	Dowell's Fuel	39 Doyle STREET	Service Station	Regulation under CLM Act not required	-29.96152786	146.8612561
BRIGHTON-LE-SANDS	Shell Service Station Brighton Le Sands &	2 General Holmes DRIVE	Service Station	Contamination formerly regulated under	-33.9579214	151.1578665
BRIGHTON-LE-SANDS	Cook Park	General Holmes DRIVE	Service Station	Contamination formerly regulated under	-33.9581072	151.1579572
BROADMEADOW	Former Industrial Site	16 Broadmeadow ROAD	Service Station	Regulation under CLM Act not required	-32.91444096	151.7300112
BROADMEADOW	Nineways Broadmeadow Coles Express SS	Corner Brunker Road and Lambton ROAD	Service Station	Regulation under CLM Act not required	-32.92511185	151.7364247
BROADMEADOW	2 Georgetown Road, Broadmeadow NSW	2 Georgetown ROAD	Metal Industry	Under assessment	-32.912288	151.732197

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BROKEN HEAD	South Byron Sewage Treatment Works	Broken Head ROAD	Other Industry	Regulation under CLM Act not required	-28.67233626	153.6148974
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	Caltex Service Station	535 Argent STREET	Service Station	Regulation under CLM Act not required	-31.95311924	141.4745274
BROKEN HILL	Tasco Petroleum (Former Mobil) Depot	5 Kanandah ROAD	Other Petroleum	Regulation under CLM Act not required	-31.9843986	141.4329127
BROKEN HILL	Former Mobil Aviation Refuelling Facility,	Airport ROAD	Other Petroleum	Regulation under CLM Act not required	-31.99928312	141.4685759
BROKEN HILL	Caltex Service Station	73-87 Oxide STREET	Service Station	Contamination formerly regulated under	-31.95519591	141.4658647
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	Former Gasworks	Cornish STREET	Gasworks	Contamination formerly regulated under	-31.96330562	141.4470611
BROOKLYN	Former Oyster Farm	139 Brooklyn (Off Government) ROAD	Unclassified	Regulation under CLM Act not required	-33.54716867	151.2229744
BROOKVALE	Coles Express Service Station Brookvale	198 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.76332299	151.2794028
BROOKVALE	Woolworths Petrol Brookvale	756 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76170587	151.2762411
BROOKVALE	Caltex Service Station Brookvale	740-742 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76146721	151.2745358
BROOKVALE	Harrison Manufacturing	75 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76497282	151.2637961
BROOKVALE	Brookvale Bus Depot	630-636 Pittwater ROAD	Other Petroleum	Regulation under CLM Act not required	-33.76641698	151.2705659
BROOKVALE	Warringah Mall	Cnr Condamine Street, Old Pittwater Rd &	Other Industry	Regulation under CLM Act not required	-33.76729923	151.2657272

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BROOKVALE	Littles Dry Cleaning	123 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76759121	151.2625932
BROOMS HEAD	Former Brooms Head General Store and S	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	Caltex Service Station	8 Red Gum Road, Corner Mahogany STRE	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
BULAHDELAH	BP-branded (former Mobil) Service Statio	73-75 Bulahdelah WAY	Service Station	Regulation under CLM Act not required	-32.40971018	152.2105785
BULLABURRA	Former Burmah Bullaburra Service Statior	367 - 369 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72482995	150.4124537
BULLI	Scrap Yard	7 Molloy STREET	Other Industry	Contamination formerly regulated under	-34.33663195	150.9131154
BULLI	Bulli Brickworks	Quilkey PLACE	Other Industry	Regulation under CLM Act not required	-34.33263113	150.9086247
BUNGALORA	Former landfill area	Part of 840 Terranora ROAD	Other Industry	Regulation under CLM Act not required	-28.2424318	153.4789209
BUNGENDORE	Former Timber Treatment Plant	Corner King Street and Butmaroo STREET	Other Industry	Contamination formerly regulated under	-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	-33.86982934	151.1089057
BYRON BAY	Residential Development	Lot 15 Seaview STREET	Unclassified	Regulation under CLM Act not required	-28.65214464	153.6165573

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BYRON BAY	Butler Street Reserve Byron Bay	Butler STREET	Landfill	Under assessment	-28.64340617	153.6099674
CABARITA	Dulux (Orica Australia)	Cabarita ROAD	Chemical Industry	Contamination formerly regulated under	-33.84643972	151.1157115
CABARITA	Wellcome Soil Containment Cells Cabarita	47 and 48 Phillips STREET	Other Industry	Ongoing maintenance required to manag	-33.85250251	151.1176366
CABRAMATTA	Caltex (former Mobil) Lansvale Service Sta	141 Hume HIGHWAY	Service Station	Contamination formerly regulated under	-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	Cabramatta Creek	17 A and 19A Liverpool Street STREET	Unclassified	Regulation under CLM Act not required	-33.90284952	150.9415616
CABRAMATTA WEST	BP Lansvale	115-119 Hume HIGHWAY	Service Station	Regulation being finalised	-33.893716	150.958743
CABRAMURRA	Selwyn Snowfields / Selwyn Snow Resort	213A Kings Cross ROAD	Other Industry	Regulation under CLM Act not required	-35.90578	148.4501785
CALGA	Former service station	101 Peats Ridge ROAD	Service Station	Contamination formerly regulated under	-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	Camden High School (former)	John STREET	Gasworks	Regulation under CLM Act not required	-34.05114079	150.6951285
CAMDEN	Caltex Camden Service Station	21 Barsden STREET	Service Station	Regulation under CLM Act not required	-34.05808413	150.6914744
CAMDEN SOUTH	Coles Express Service Station Camden Sou	273 Old Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08660995	150.6945444
CAMELLIA	Hymix Concrete	14 Grand AVENUE	Metal Industry	Contamination currently regulated under	-33.82243454	151.044789
CAMELLIA	Mauri Foods	15 Grand AVENUE	Other Industry	Regulation being finalised	-33.81996985	151.0335725

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAMELLIA	James Hardie Factory (former, eastern po	1 Grand AVENUE	Other Industry	Ongoing maintenance required to manag	-33.8182384	151.0261019
CAMELLIA	Bitumen Manufacturer	12 Grand AVENUE	Other Industry	Contamination currently regulated under	-33.82189695	151.0429251
CAMELLIA	Hambear	14 Thackeray STREET	Metal Industry	Regulation under CLM Act not required	-33.81920482	151.0419394
CAMELLIA	Former Asciano Properties	39 Grand AVENUE	Chemical Industry	Contamination currently regulated under	-33.82056014	151.0443331
CAMELLIA	Railway Land	27 Grand AVENUE	Other Industry	Regulation under CLM Act not required	-33.81910822	151.0382483
CAMELLIA	Wrigg	13 Grand AVENUE	Metal Industry	Under preliminary investigation order	-33.81971361	151.0321525
CAMELLIA	Former Akzo Nobel site	6 Grand AVENUE	Chemical Industry	Contamination currently regulated under	-33.82238826	151.0319264
CAMELLIA	Former Shell Clyde Refinery	Durham STREET	Other Industry	Contamination currently regulated under	-33.82804924	151.0378966
CAMELLIA	Council Reserve	11B Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81850502	151.0302425
CAMELLIA	Veolia	37 Grand AVENUE	Chemical Industry	Contamination currently regulated under	-33.81980027	151.0430689
CAMELLIA	Sydney Water	41 Grand AVENUE	Chemical Industry	Contamination formerly regulated under	-33.8217493	151.0453367
CAMELLIA	Maritime Services Board	33A Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81836086	151.0401249
CAMMERAY	Tunks Park	Brothers AVENUE	Landfill	Contamination formerly regulated under	-33.81734704	151.2113338
CAMMERAY	Coles Express Cammeray	477-483 Miller STREET	Service Station	Regulation under CLM Act not required	-33.82141124	151.2108658
CAMPBELLTOWN	Mobil Service Station	96-98 Queen STREET	Service Station	Regulation under CLM Act not required	-34.06407588	150.8170082
CAMPBELLTOWN	BP Macarthur Service Station	Cnr Blaxland ROAD and Campbelltown RO	Service Station	Regulation under CLM Act not required	-34.05312872	150.8234349

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAMPBELLTOWN	Former vehicle wrecking yard	38 Blaxland ROAD	Other Industry	Regulation under CLM Act not required	-34.06055735	150.8130598
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	-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	-33.91605617	151.1086596
CAMPSIE	Former Sunbeam factory	60 Charlotte STREET	Other Industry	Contamination formerly regulated under	-33.92254225	151.1025796
CANLEY HEIGHTS	Former Caltex Canley Heights	368 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88271081	150.9154176
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 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	-33.90783455	151.125207
CAPTAINS FLAT	Rail corridor adjacent to Lake George Min	Miners ROAD	Other Industry	Under assessment	-35.589815	149.444632
CARDIFF	7-Eleven Service Station	399 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93391137	151.6562111
CARDIFF	Former Caltex Service Station	367 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93761223	151.6577781
CARDIFF	Maneela Oval	Main ROAD	Other Industry	Regulation under CLM Act not required	-32.93018443	151.6435559

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CARDIFF	Former Mobil Depot	7 Ranton STREET	Other Petroleum	Regulation under CLM Act not required	-32.94516764	151.6470387
CARDIFF	BP Service Station (Reliance Petroleum)	Corner Sturt and Main ROADS	Service Station	Regulation under CLM Act not required	-32.93792229	151.6569905
CARDIFF	Woolworths (former Mobil) Cardiff Servic	43 Macquarie ROAD	Service Station	Regulation under CLM Act not required	-32.94118246	151.6578195
CARINGBAH	Adjacent to Spirent Australia	101-103 Cawarra ROAD	Other Industry	Contamination formerly regulated under	-34.03360747	151.1245577
CARINGBAH	Former Consumer Health Products Manu	32-40 Cawarra ROAD	Other Industry	Regulation under CLM Act not required	-34.03024369	151.1277755
CARINGBAH	Caltex Lilli Pilli Service Station	477-481 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.05243807	151.1216353
CARINGBAH	7-Eleven Service Station	367 The KINGSWAY	Service Station	Regulation under CLM Act not required	-34.03948677	151.1203268
CARINGBAH	Spirent Australia	105 Cawarra ROAD	Other Industry	Contamination formerly regulated under	-34.03425343	151.1245092
CARINGBAH	BP Service Station Caringbah	54 Captain Cook DRIVE	Service Station	Regulation under CLM Act not required	-34.032986	151.1250656
CARLINGFORD	Caltex Service Station Carlingford	131 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.78762398	151.0279422
CARLINGFORD	Caltex Service Station	797 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.7757819	151.0516532
CARLTON	Shell Coles Express Service Station	277 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.9748579	151.1272732
CARRINGTON	Commercial Metals Company (CMC) Aust	117-121 Bourke STREET	Other Industry	Regulation under CLM Act not required	-32.9148832	151.7677193
CARRINGTON	Carrington redevelopment site	11 Howden STREET	Other Industry	Regulation under CLM Act not required	-32.91309509	151.7625341
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CARRINGTON	Dyke Point Containment Cell	Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91763422	151.7727101
CARRINGTON	Carrington Coal Tar Pavements	Bourke Street to Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91441348	151.770271
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	Vacant Property	334 Princes HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.98628486	151.1133908
CARSS PARK	Kogarah War Memorial Pool	78 Carwar AVENUE	Other Industry	Under assessment	-33.9894	151.119828
CARWELL	Cement Australia Carwell Creek Quarries	Quarry ROAD	Other Industry	Regulation under CLM Act not required	-32.85570277	149.9170908
CASINO	Caltex Service Station and Depot Casino	28 & 32 Dyraaba STREET	Service Station	Regulation under CLM Act not required	-28.85488567	153.044806
CASINO	Caltex Service Station	96 Centre STREET	Service Station	Regulation under CLM Act not required	-28.86539567	153.0450654
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
CASINO	18 Beith Street, Casino	18 Beith STREET	Unclassified	Regulation under CLM Act not required	-28.84951426	153.0446585
CASINO	Corner Store	30 Barker STREET	Service Station	Regulation under CLM Act not required	-28.86316792	153.0389124
CASINO	Casino Roadhouse	86 Johnston STREET	Service Station	Contamination currently regulated under	-28.85960698	153.0562429
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 Prep	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) RO/	Service Station	Regulation under CLM Act not required	-32.83936243	151.3430078

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Charbon 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	-32.95802555	151.6897931
CHARLESTOWN	Caltex Service Station	81 Pacific HIGHWAY	Service Station	Contamination currently regulated under	-32.96715274	151.6955462
CHARLESTOWN	Caltex Woolworths (Former BP)	91-93 Pacific HIGHWAY	Service Station	Contamination formerly regulated under	-32.96631255	151.6959086
CHARLESTOWN	Ausgrid Powell Street Depot	8 Powell STREET	Other Industry	Regulation under CLM Act not required	-32.95912375	151.6944136
CHARMHAVEN	Caltex Charmhaven Service Station	13-15 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.21655768	151.5091452
CHATSWOOD	Former Caltex Chatswood Service Station	607 Pacific HIGHWAY	Service Station	Contamination formerly regulated under	-33.80396472	151.1795766
CHATSWOOD	Woolworths Chatswood	364-366 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78667419	151.2010828
CHATSWOOD	Caltex Service Station Chatswood	572 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80381271	151.1789656
CHATSWOOD	Auto Repairs	2 Devonshire STREET	Service Station	Regulation under CLM Act not required	-33.8015482	151.1859632
CHATSWOOD	Coles Express Service Station Chatswood	877-879 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.79182176	151.1804867
CHATSWOOD	Chatswood Toyota	728 Pacific HIGHWAY	Service Station	Contamination formerly regulated under	-33.79654247	151.1776136
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	-33.8869823	150.9952873

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CHESTER HILL	Various industrial premises	191 Miller ROAD	Chemical Industry	Under assessment	-33.883926	150.994941
CHESTER HILL	Integrated Packaging	149 Orchard ROAD	Other Industry	Under assessment	-33.885636	150.995188
CHIPPENDALE	Cnr Regent Street & Wellington Street, CH	Wellington STREET	Chemical Industry	Contamination currently regulated under	-33.88668912	151.2015246
CHIPPING NORTON	Former Solchem (Mobil) Depot Chipping N	49-51 Riverside ROAD	Other Petroleum	Regulation under CLM Act not required	-33.91621314	150.9696948
CHIPPING NORTON	Former ACR	85-107 Alfred STREET	Chemical Industry	Contamination currently regulated under	-33.92226795	150.9586496
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
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	7-Eleven Clyde	3 Parramatta Road, corner Harbord STREE	Service Station	Regulation under CLM Act not required	-33.83494433	151.0222628
CLYDE	4 Tennyson Street, Clyde NSW 2142	4 Tennyson STREET	Other Industry	Regulation under CLM Act not required	-33.83268843	151.0267361
COBAR	Former Caltex (Bogas) Service Station Cob	56-58 Marshall STREET	Service Station	Regulation under CLM Act not required	-31.49793339	145.8346684
COBAR	Mckinnons Gold Mine	Cobar ROAD	Metal Industry	Regulation under CLM Act not required	-31.78179755	145.693

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COBAR	Caltex Service Station Cobar	99 Marshall (formerly Cnr Barrier Highwa	Service Station	Regulation under CLM Act not required	-31.49631924	145.8275727
COBAR	Caltex Service Station	Lot 10 Railway PARADE	Service Station	Regulation under CLM Act not required	-31.49350124	145.8442372
COFFS HARBOUR	BP Service Station	134-136 Pacific HIGHWAY	Service Station	Contamination formerly regulated under	-30.29187037	153.1182106
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 Service Station	314-316 Harbour DRIVE	Service Station	Contamination formerly regulated under	-30.3056983	153.131966
COFFS HARBOUR	Mobil Coffs Harbour Airport	Aviation DRIVE	Other Petroleum	Contamination formerly regulated under	-30.313385	153.1175018
COFFS HARBOUR	Woolworths Petrol	Park Beach Plaza, Arthur STREET	Service Station	Regulation under CLM Act not required	-30.28101154	153.132027
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	Aussitel Backpackers Hostel	312 Harbour DRIVE	Service Station	Contamination formerly regulated under	-30.30585731	153.131645
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	Munmorah Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLONGRA	Endeavour Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLYTON	Coles Express (former Ampol) Service Sta	86-88 Great Western HIGHWAY	Service Station	Contamination formerly regulated under	-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	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 Mobil Depot	6 Burnett STREET	Other Petroleum	Contamination formerly regulated under	-33.08010515	147.1642972
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	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	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 STREE	Other Industry	Regulation under CLM Act not required	-32.93525537	151.7641074
COOLAC	Coolac Service Station	Corner Hume Highway and Coleman STRE	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 Mobil Cooma Depot	2 Commissioner STREET	Other Petroleum	Regulation under CLM Act not required	-36.23266081	149.1346674
COOMA	Former Caltex Cooma Depot	2 Short STREET	Service Station	Regulation under CLM Act not required	-36.2338672	149.1348862
COOMA	Lowes Petroleum Cooma Depot and Servi	2-4 Sharp STREET	Other Petroleum	Regulation under CLM Act not required	-36.22819468	149.1357696

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COOMA	Woolworths Caltex Cooma Service Statior	Bombala Street Cnr Massie STREET	Service Station	Regulation under CLM Act not required	-36.23364626	149.1267469
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	-36.23350402	149.1299514
COONABARABRAN	Former Mobil Depot	49 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-31.27096226	149.2818461
COONABARABRAN	Shell Coles Express Service Station	2-6 John STREET	Service Station	Regulation under CLM Act not required	-31.27706775	149.27836
COONABARABRAN	Former Shell Coonabarabran CVRO	Corner Cowper St and Dawson St, former	Other Petroleum	Regulation under CLM Act not required	-31.27003745	149.281788
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
COONAMBLE	Former Shell Coonamble Depot	Corner Aberford Street and Quambone R	Other Petroleum	Regulation under CLM Act not required	-30.95349182	148.3793432
COONAMBLE	Caltex Service Station	Quambone ROAD	Service Station	Regulation under CLM Act not required	-30.95410067	148.3792167
COORANBONG	Former Poultry Farm - 91 Alton Road, Coo	64 - 98 Alton ROAD	Unclassified	Regulation under CLM Act not required	-33.06860138	151.4512156
COORANBONG	Avondale Auto Centre	679 Freemans DRIVE	Service Station	Regulation under CLM Act not required	-33.06968809	151.4636293
COOTAMUNDRA	Former BP Depot	1-5 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.62915841	148.0306962
COOTAMUNDRA	Caltex Service Station	26-34 Hovell STREET	Service Station	Regulation under CLM Act not required	-34.63624703	148.0347479
COOTAMUNDRA	Former Caltex Depot	219 Sutton STREET	Other Petroleum	Regulation under CLM Act not required	-34.65126548	148.0145283
COOTAMUNDRA	Former Ampol Service Station	72 Parker STREET	Service Station	Regulation under CLM Act not required	-34.63471008	148.0296112

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COOTAMUNDRA	Cootamundra Gasworks	140-146 Hovell STREET	Gasworks	Contamination currently regulated under	-34.64572841	148.0255049
COOTAMUNDRA	Former Amoco Depot	68-72 Hovell STREET	Other Petroleum	Contamination currently regulated under	-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
CORAMBA	Martin Street	End of Martin Street and adjacent car par	Service Station	Ongoing maintenance required to manag	-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	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
COROWA	Cignall Corowa	280 Hume STREET	Service Station	Under preliminary investigation order	-36.00996015	146.3760437
CORRIMAL	Woolworths Petrol - Corrimal	275 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.37527426	150.8962637
CORRIMAL	7-Eleven Corrimal	138-146 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.36986818	150.8978241
COWRA	Landmark Fertiliser Storage Facility	Corner Young Road & Waratah STREET	Chemical Industry	Regulation under CLM Act not required	-33.84321832	148.6722578
COWRA	Lowes Petroleum (former BP Cowra Depc	12 Campbell STREET	Other Petroleum	Regulation under CLM Act not required	-33.83803706	148.6977873
COWRA	Former Gasworks	30 Brougham STREET	Gasworks	Contamination currently regulated under	-33.8389659	148.6963482
COWRA	Shell Depot	34 Brougham STREET	Other Petroleum	Contamination formerly regulated under	-33.83913341	148.6973491
CRANGAN BAY	Big T Roadhouse	555 and 565 Pacific HIGHWAY	Service Station	Contamination currently regulated under	-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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CRESTWOOD	Former Caltex Depot Queanbeyan	36 Kendall (Cnr Stephens Rd) AVENUE	Other Petroleum	Regulation under CLM Act not required	-35.34615546	149.207807
CRESTWOOD	Former BP Queanbeyan	64 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34646177	149.2246263
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	Caltex Service Station	404-410 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88853994	151.115879
CROYDON	BP Ashfield	584 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.87399409	151.1267296
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
CUNDLETOWN	Caltex Service Station (1 Manning River D	Old Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-31.89329598	152.5068225
CURL CURL	John Fisher Park	Corner Harbord and Abbott ROADS	Landfill	Regulation under CLM Act not required	-33.76622613	151.2860705
DACEYVILLE	Astrolabe Park	Cook AVENUE	Landfill	Regulation under CLM Act not required	-33.92963704	151.221773
DAPTO	RailCorp Dapto	(Rear of property) 12-14 Hamilton STREET	Other Industry	Regulation under CLM Act not required	-34.50045405	150.787353
DAPTO	Nicheinvest Pty Ltd (Former service static	133-139 Lakelands DRIVE	Service Station	Regulation under CLM Act not required	-34.503327	150.803209
DARLINGHURST	Proposed Retail Unit	139-155 Palmer STREET	Unclassified	Regulation under CLM Act not required	-33.87504688	151.2168106
DARLINGHURST	Cross City Tunnel	Riley Street and William STREET	Service Station	Contamination was addressed via the pla	-33.87424636	151.2158305

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DARLINGHURST	18-28 Neild Avenue, Darlinghurst	18-28 Neild AVENUE	Landfill	Regulation under CLM Act not required	-33.87876581	151.2276546
DEE WHY	United Dee Why	148 Pacific Parade STREET	Service Station	Contamination currently regulated under	-33.75569536	151.295963
DEE WHY	United Dee Why Pittwater	625 Pittwater (Cnr Mooramba Road) ROA	Service Station	Under assessment	-33.7549455	151.2828442
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	Roche Products Dee Why Facility	Inman ROAD	Other Industry	Contamination currently regulated under	-33.73893118	151.2870389
DENHAM COURT	Denham Court Caravan Park and Service S	505 Campbelltown ROAD	Service Station	Contamination currently regulated under	-33.98208395	150.8459471
DENILIQUIN	Shell Coles Express Service Station	336 Victoria STREET	Service Station	Contamination formerly regulated under	-35.52373613	144.9807345
DENILIQUIN	Former Deniliquin Gasworks	365, 369 and 329-331 George and 380 an	Gasworks	Under assessment	-35.52670898	144.9634996
DENILIQUIN	Landmark Fertiliser Storage Facility	99-101 Davidson STREET	Chemical Industry	Regulation under CLM Act not required	-35.52534735	144.975142
DENILIQUIN	Former Deniliquin Caltex Depot	116-118 Hardinge (Cnr Wood St) STREET	Service Station	Regulation under CLM Act not required	-35.53196985	144.9544597
DENILIQUIN	BP Depot (Reliance Petroleum)	125 - 127 Hardinge STREET	Service Station	Regulation under CLM Act not required	-35.53222124	144.9517397
DENILIQUIN	Former Shell Depot	143-147 Napier STREET	Other Petroleum	Regulation under CLM Act not required	-35.5342355	144.953169
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DOUBLE BAY	64 Suttie Road, Double Bay NSW 2028	64 Suttie ROAD	Other Industry	Regulation under CLM Act not required	-33.885237	151.247231
DOYALSON	Part Lot 3 DP 259306	Off David STREET	Other Industry	Regulation under CLM Act not required	-33.20436131	151.5232558
DOYALSON	Munmorah Power Station	(Central Coast Highway) Scenic DRIVE	Unclassified	Regulation under CLM Act not required	-33.20678347	151.540795
DOYALSON	Mannering Colliery (formerly Wyee)	Rutleys ROAD	Other Industry	Regulation under CLM Act not required	-33.17179576	151.5419248
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	Coles Express Service Station Drummoyne	36-46 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85576628	151.1593519
DRUMMOYNE	Former Dry Cleaners	225 Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.8507152	151.1537113
DRUMMOYNE	Coles Express Service Station Drummoyne	39-45 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85606575	151.1589061
DRUMMOYNE	Caltex Service Station	191-195 Lyons ROAD	Service Station	Regulation under CLM Act not required	-33.85699216	151.1460356
DUBBO	BP Reliance Petroleum Service Station (Fo	107 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24441287	148.6111704
DUBBO	Dubbo Police Station	143 Brisbane STREET	Other Petroleum	Regulation under CLM Act not required	-32.24652288	148.6034702
DUBBO	Shell Coles Express Service Station	131-133 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.25511317	148.6126147
DUBBO	Shell Coles Express Service Station	45-49 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.2474598	148.5932769
DUBBO	Former Mobil depot	40-44 Morgan STREET	Other Petroleum	Regulation under CLM Act not required	-32.23912277	148.6182711
DUBBO	Caltex Service Station, Dubbo	60 Windsor PARADE	Service Station	Regulation under CLM Act not required	-32.25459322	148.6318

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DUBBO	BP-Branded Service Station Dubbo West	51-63 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.24827657	148.5927084
DUBBO	Lowes Petroleum (BP-Branded) Depot, Du	105 Erskine STREET	Service Station	Regulation under CLM Act not required	-32.24423247	148.6101676
DUBBO	Inland Petroleum (Former Shell) Depot	109 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24470512	148.6124108
DUBBO	Former Caltex Depot	Phillip (corner Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-32.24534863	148.6150144
DUBBO	Caltex Service Station	119 Bourke STREET	Service Station	Regulation under CLM Act not required	-32.24336464	148.6091931
DUBBO	Former Ambulance Station	165 Brisbane STREET	Other Petroleum	Contamination formerly regulated under	-32.24850755	148.6031749
DUBBO	United (former Volume Plus) Service Stati	219-223 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.2565155	148.6228586
DUBBO	Caltex Service Station, Dubbo	Cnr Brisbane Street and Cobra STREET	Service Station	Contamination currently regulated under	-32.25322183	148.603164
DULWICH HILL	Former Tyre Recapping	115-117 Constitution ROAD	Other Industry	Regulation under CLM Act not required	-33.90300876	151.1387724
DULWICH HILL	Denison Road Playground	194 Denison ROAD	Landfill	Regulation under CLM Act not required	-33.90121956	151.1404637
DUNEDOO	Former Shell Depot Dunedoo	Cnr Bolaro and Redbank STREET	Other Petroleum	Regulation under CLM Act not required	-32.01565761	149.3922418
DUNGOG	Lot 54 Common Rd	54 Common ROAD	Unclassified	Regulation under CLM Act not required	-32.39490989	151.739821
DUNGOG	Former HWC Maintenance Depot for Civil	86 Abelard STREET	Other Industry	Regulation under CLM Act not required	-32.40429396	151.7514073
DUNMORE	Equestrian Centre	71 Fig Hill LANE	Unclassified	Regulation under CLM Act not required	-34.62313393	150.8421544
DURAL	Caltex Dural Service Station	917-923 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.68312075	151.0287519
DURAL	BP Dural Service Station	580 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69569985	151.0283357

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-31.21710021	150.8183675
EAGLE VALE	BP Service Station	Corner Eagle Vale Drive and Gould ROAD	Service Station	Regulation under CLM Act not required	-34.03128043	150.816363
EARLWOOD	RTA Land	3 Jackson PLACE	Unclassified	Contamination being managed via the pla	-33.92724512	151.1433382
EARLWOOD	Wolli Creek Aqueduct	Unwin STREET	Unclassified	Regulation under CLM Act not required	-33.92788788	151.1480807
EARLWOOD	2, 4 & 6 Unwin Street Earlwood	2, 4 & 6 Unwin STREET	Landfill	Regulation under CLM Act not required	-33.92683761	151.149505
EAST BALLINA	Caltex East Ballina Service Station	34 Links AVENUE	Service Station	Regulation under CLM Act not required	-28.85009113	153.5829246
EAST GOSFORD	Presbyterian Aged Care Facility	8-18 Enid CRESCENT	Landfill	Regulation under CLM Act not required	-33.4376675	151.3577947
EAST GOSFORD	Mobil Service Station	44 Victoria STREET	Service Station	Contamination formerly regulated under	-33.43804781	151.353303
EAST GOSFORD	Hylton Moore Park	Althrop STREET	Landfill	Contamination currently regulated under	-33.4352203	151.3601193
EAST MAITLAND	United Service Station East Maitland	164 (also known as 250) Newcastle STRE	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 MAITLAND	Former Gasworks Site	Corner Melbourne Street and Brisbane ST	Gasworks	Regulation under CLM Act not required	-32.74939199	151.5788783
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 TAMWORTH	Caltex Service Station	350-362 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.11401974	150.9613327

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 Wes	M4 (Westbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.80255701	150.8829211
EASTERN CREEK	Fulton Hogan Industries (formerly Pionee	Honeycomb DRIVE	Other Industry	Regulation under CLM Act not required	-33.80231274	150.8288299
EASTGARDENS	130-150 Bunnerong Road Eastgardens	130 - 150 Bunnerong ROAD	Other Industry	Regulation under CLM Act not required	-33.94230414	151.2248138
EASTLAKES	Former Shell Rosebery service station and	275-279 Gardeners ROAD	Service Station	Contamination formerly regulated under	-33.92470279	151.2100722
EASTLAKES	Eastlakes Reserve	Evans AVENUE	Service Station	Contamination formerly regulated under	-33.92497291	151.2102725
EASTLAKES	Budget Petroleum Eastlakes	102 Maloney STREET	Service Station	Contamination formerly regulated under	-33.93120382	151.2054267
EASTLAKES	73 Gardeners Road	73 Gardeners ROAD	Unclassified	Regulation under CLM Act not required	-33.92541594	151.2182856
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	-37.0570984	149.9038538
EDENSOR PARK	Caltex Bonnyrigg Service Station, Edensor	549 Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.88840816	150.8822609
EDENSOR PARK	7-Eleven (former Mobil) Service Station	615-621 Cowpasture Road, corner Elizabe	Service Station	Regulation under CLM Act not required	-33.88326139	150.865591
EDGECLIFF	BP-branded (former Coles Express) Servic	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 Stati	738-742 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92455492	151.6202897

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EMERALD BEACH	Shell Coles Express Woolgoolga Service St	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
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	Former Caltex Service Station	995 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.06413459	151.0155734
ENGADINE	BP Service Station	1234 Princes HIGHWAY	Service Station	Contamination currently regulated under	-34.07735416	151.01121
ENGADINE	BP Branded Service Station	963 Old Princes HIGHWAY	Service Station	Contamination currently regulated under	-34.06428454	151.0167121
EPPING	7-Eleven (former Mobil) Service Station	246 Beecroft ROAD	Service Station	Regulation under CLM Act not required	-33.77073552	151.080581
ERINA	Coles Express Service Station Erina	211 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43547804	151.3850522
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	Jaycar Electronics Store	1 Aston ROAD	Other Petroleum	Contamination currently regulated under	-33.434878	151.3845431
ERINA	Caltex Service Station	155 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43824871	151.3801096
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	Redevelopment Site (Former Industrial Pa	36/1A Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90325501	151.1855668
ERSKINEVILLE	Department of Housing	52 John STREET	Other Industry	Regulation under CLM Act not required	-33.8982925	151.1840284
ERSKINEVILLE	RailCorp land	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90483899	151.1838804
ERSKINEVILLE	Lot 4/1A Coulson Street	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90316549	151.1867963
ERSKINEVILLE	Area B - Public Domain / The Roadway	1A Coulson STREET	Other Petroleum	Regulation under CLM Act not required	-33.90499999	151.1873028
EUABALONG WEST	BP Euabalong West Depot (Reliance Petro	12 Illewong STREET	Other Petroleum	Regulation under CLM Act not required	-33.05720426	146.3946386
EVANS HEAD	Evans Head Aerodrome	Memorial Airport DRIVE	Other Industry	Regulation under CLM Act not required	-29.10389976	153.4216791
EVANS HEAD	Bundjalung National Park	The Gap ROAD	Unclassified	Regulation under CLM Act not required	-29.24433977	153.3626472
EVANS HEAD	Evans Head Residential subdivision	Bounded by Currajong, Woodburn, Carrab	Unclassified	Regulation under CLM Act not required	-29.1080969	153.4243577
EVELEIGH	Macdonaldtown Triangle	Burren STREET	Gasworks	Contamination being managed via the pla	-33.89803492	151.186059
EVELEIGH	Australian Technology Park	Henderson ROAD	Other Industry	Regulation under CLM Act not required	-33.89634136	151.1944915
FAIRFIELD	Endeavour Energy Fairfield Zone Substatio	22 Hedges STREET	Other Industry	Regulation under CLM Act not required	-33.86133019	150.9555899
FAIRFIELD EAST	Speedway-Branded Service Station Fairfie	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 Boulevarde) ROAD	Service Station	Regulation under CLM Act not required	-33.87208474	150.9373134
FAIRY MEADOW	Woolworths Petrol Service Station	47 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39399705	150.8925369

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FAIRY MEADOW	Caltex Fuel Depot and adjoining land	46 Montague STREET	Service Station	Contamination formerly regulated under	-34.40050499	150.8953125
FAIRY MEADOW	Deynal (Seeman)	51-59 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39437085	150.8924666
FARLEY	Farley Wastewater Treatment Works	Owlpen LANE	Other Industry	Regulation under CLM Act not required	-32.74431314	151.5194217
FASSIFERN	Newstan Colliery	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.97942521	151.5660046
FASSIFERN	Former Arsenic Smelter	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.99649819	151.5618283
FEDERAL	Federal General Store	3-6 Federal DRIVE	Service Station	Contamination formerly regulated under	-28.65190728	153.4552976
FERN BAY	Former service station	37 Fullerton (1006 Nelson Bay Road) STRE	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	Former Gasworks	24-26 Union STREET	Gasworks	Contamination currently regulated under	-33.37752036	148.0090064
FORBES	Woolworths (Former Save on Fuel) Servic	26 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38148764	148.0109845
FORBES	BP Service Station Forbes	29 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38121776	148.0100351
FORBES	Former Shell Depot	Stephen STREET	Other Petroleum	Regulation under CLM Act not required	-33.37704755	148.0103001
FORBES	Caltex Service Station Forbes	Parkes ROAD	Service Station	Regulation under CLM Act not required	-33.36333714	148.0223727
FORESTVILLE	BP Service Station	632 Warringah ROAD	Service Station	Contamination currently regulated under	-33.75997969	151.2142944

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FORESTVILLE	Shell Service Station	667 Warringah ROAD	Service Station	Contamination formerly regulated under	-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	Shell (Kneebone's) Service Station	2-6 The Lakes WAY	Service Station	Regulation under CLM Act not required	-32.1946108	152.5145662
FORSTER	Enhance (Former Mobil) Service Station	86-88 Macintosh STREET	Service Station	Regulation under CLM Act not required	-32.19079468	152.5154847
FREDERICKTON	Former Service station	2-4 Great North ROAD	Service Station	Regulation under CLM Act not required	-31.03513998	152.8794105
FRENCHS FOREST	Former BP Service Station	Russell AVENUE	Service Station	Regulation under CLM Act not required	-33.75018093	151.2245005
FRENCHS FOREST	Former 7-Eleven / Mobil Beacon Hill Servi	312 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.75129647	151.2469656
FRESHWATER	Prime Service Station Freshwater	117 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.77286748	151.2794354
FRESHWATER	Former Dry Cleaners	121 Wyndora AVENUE	Other Industry	Regulation under CLM Act not required	-33.77425321	151.2821553
GEORGETOWN	Former Caltex Service Station	4 Georgetown ROAD	Service Station	Regulation under CLM Act not required	-32.91121105	151.7319693
GERRINGONG	Gerringong Cooperative	18 Belinda STREET	Other Petroleum	Regulation under CLM Act not required	-34.74518835	150.8181054
GILGANDRA	United (Former Mobil) Service Station	13 Castlereagh STREET	Service Station	Regulation under CLM Act not required	-31.71715641	148.6581574
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	Caltex Service Station Gilgandra	6425 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-31.72545524	148.65281

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GILLENBAH	Caltex (Former Mobil) Narrandera Service	16321 - 16335 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-34.76124219	146.5398604
GIRRAWEEN	Industrial Galvanizers site	20-22 Amax AVENUE	Metal Industry	Under assessment	-33.80500693	150.9396743
GIRRAWEEN	Caltex Pendle Hill Service Station Girrawe	602 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80827518	150.9421511
GLADESVILLE	Caltex Service Station	287-295 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8285374	151.1268639
GLADESVILLE	Road Reserve	Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.81603924	151.1355085
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	-33.82382382	151.1223941
GLADSTONE	Barbers Auto Port	52-53 Barnard STREET	Service Station	Under assessment	-31.023021	152.948309
GLEBE	The Hill and Jubilee Embankment	12 Maxwell ROAD	Other Industry	Regulation under CLM Act not required	-33.87573032	151.1776027
GLEN INNES	Ambulance Station	106 Bourke STREET	Unclassified	Regulation under CLM Act not required	-29.73805854	151.7313138
GLEN INNES	Telstra Depot Glen Innes	126 Lambeth STREET	Unclassified	Regulation under CLM Act not required	-29.73565341	151.7278271
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	Former Shell Depot	Lambeth STREET	Other Petroleum	Regulation under CLM Act not required	-29.7376309	151.7276309
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	Council-owned Laneway	Lot 2 Lang STREET	Gasworks	Regulation under CLM Act not required	-29.74385432	151.7323049
GLEN INNES	Caltex Service Station	Cnr Taylor Street & Church STREET	Service Station	Regulation under CLM Act not required	-29.73289036	151.739653

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
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	Settlement Pond	65 Glendale DRIVE	Unclassified	Regulation under CLM Act not required	-32.93411399	151.6483695
GLENDALE	Former Service Station	334-342 Lake ROAD	Unclassified	Regulation under CLM Act not required	-32.92775076	151.6433463
GLENDALE	Woolworths Service Station	Stockland DRIVE	Service Station	Regulation under CLM Act not required	-32.93250548	151.6404097
GLENDENNING	7-Eleven Plumpton Service Station Glende	1 Dublin Street, corner Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.73988232	150.8603323
GLENORIE	Caltex Glenorie Service Station	912 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.60550946	151.0126731
GLENTHORNE	Caltex Taree Service Station	Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.94415251	152.4703511
GLOUCESTER	Caltex Service Station	141 Church STREET	Service Station	Regulation under CLM Act not required	-32.01222514	151.9579521
GOOLMANGAR	Goolmangar General Store	851 Nimbin ROAD	Service Station	Regulation under CLM Act not required	-28.74694441	153.225401
GOONELLABAH	Former Invercauld Road Cattle Dip	161 Invercauld ROAD	Cattle Dip	Contamination formerly regulated under	-28.8308417	153.3098878
GOSFORD	United (former Mobil) Depot	Corner Merinee Road and Bowen CRESCE	Other Petroleum	Regulation under CLM Act not required	-33.41523225	151.3257069
GOULBURN	Former Goulburn Gasworks	1 Blackshaw ROAD	Gasworks	Contamination currently regulated under	-34.75313166	149.725032
GOULBURN	Goulburn Tannery	13 Gibson STREET	Other Industry	Regulation under CLM Act not required	-34.73756525	149.72059
GOULBURN	Caltex Depot	13 Sloane STREET	Other Petroleum	Regulation under CLM Act not required	-34.77423152	149.7088626

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GOULBURN	Metro Goulburn Depot	23 Braidwood ROAD	Other Petroleum	Regulation under CLM Act not required	-34.76217302	149.7170897
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	Former Shell Autoport Service Station	Corner Bruce Street and Lagoon STREET	Service Station	Regulation under CLM Act not required	-34.74807885	149.7266246
GOULBURN	Coles Express Service Station	90 Cowper (Corner Clinton Street) STREET	Service Station	Regulation under CLM Act not required	-34.75566648	149.7107831
GOULBURN	Mobil Service Station	129 Lagoon STREET	Service Station	Contamination formerly regulated under	-34.74618793	149.7330484
GOULBURN	Caltex Service Station	315 Auburn, corner Bradley STREET	Service Station	Regulation under CLM Act not required	-34.74942293	149.7232692
GOULBURN	Former Mobil Service Station Goulburn	422-426 Auburn STREET	Service Station	Regulation under CLM Act not required	-34.74869879	149.7229392
GRAFTON	Former General Store and Service Station	161 Turf STREET	Service Station	Regulation under CLM Act not required	-29.67412811	152.9336609
GRAFTON	Lowes Petroleum (BP-Branded) Depot, Gr	13 Orara STREET	Other Petroleum	Regulation under CLM Act not required	-29.67016421	152.918161
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	Former BP Service Station (Reliance Petro	202 Queen STREET	Service Station	Regulation under CLM Act not required	-29.67645469	152.9423977
GRAFTON	Woolworths Petrol	75 - 77 Fitzroy Street Cnr of Duke STREET	Service Station	Regulation under CLM Act not required	-29.69221713	152.9343562
GRAFTON	Caltex Service Station	Corner Villiers St and Fitzroy STREET	Service Station	Regulation under CLM Act not required	-29.69296308	152.9366431
GRAFTON	BP Service Station (Reliance Petroleum)	14 Villiers (Cnr Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-29.69345456	152.9373123

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRAFTON	Former Mobil Depot Grafton	2-16 Bruce STREET	Other Petroleum	Regulation under CLM Act not required	-29.68093591	152.9231289
GRAFTON	Caltex Service Station	179 Prince STREET	Service Station	Regulation under CLM Act not required	-29.68600117	152.9371093
GRANVILLE	Caltex Service Station	144 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.83039605	151.0109216
GRANVILLE	Australand	15-17 Berry STREET	Other Industry	Regulation under CLM Act not required	-33.83600073	151.0211988
GRANVILLE	Woolworths Service Station Granville	158 Clyde STREET	Service Station	Regulation under CLM Act not required	-33.84623338	151.0124885
GRANVILLE	Commercial Property	2B Factory STREET	Other Industry	Ongoing maintenance required to manag	-33.84173556	151.0165687
GRANVILLE	Old Granville Depot	23 Elizabeth STREET	Unclassified	Regulation under CLM Act not required	-33.83765925	151.008528
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	-33.82735776	151.0112255
GREEN POINT	7-Eleven Green Point	388-390 Avoca DRIVE	Service Station	Under assessment	-33.4623258	151.3627093
GREENACRE	Former Plating Works	12 Claremont STREET	Unclassified	Regulation under CLM Act not required	-33.89992254	151.0386128
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
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRENFELL	Grenfell Gasworks	Corner Gooloogong Road & Bourke STREE	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	redevelopment site	112-114 High STREET	Other Industry	Regulation under CLM Act not required	-32.67706709	151.3876682
GRETA	Former landfill	Hollingshed ROAD	Landfill	Regulation under CLM Act not required	-32.66705287	151.3923474
GREYSTANES	Metro Branded (former Mobil) Service Sta	73 Ettalong ROAD	Service Station	Regulation under CLM Act not required	-33.81822648	150.9513946
GRIFFITH	Liberty Depot (former Shell CVRO) Griffith	6-10 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2910045	146.063824
GRIFFITH	Former Murrumbidgee Irrigation Depot	55-77 Banna AVENUE	Other Industry	Regulation under CLM Act not required	-34.28858242	146.0567509
GRIFFITH	Mobil Depot - Griffith Airport	Off Rememberance DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.25618872	146.0620449
GRIFFITH	Former Ampol Depot	32-34 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2933331	146.0679503
GRIFFITH	Caltex Service Station and Depot	2-4 Mackay AVENUE	Service Station	Regulation under CLM Act not required	-34.2908766	146.0630815
GRIFFITH	Former Landmark Fertiliser Storage Facilit	2-8 Jensen ROAD	Chemical Industry	Regulation under CLM Act not required	-34.29365599	146.0536413
GRIFFITH	Belford Petroleum (former Mobil) Depot	30 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.29042827	146.0595497
GRIFFITH	Former BP Service Station (Reliance Petro	81 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.28851251	146.0540815
GUILDFORD	7-Eleven Service Station Guildford West	176 Fowler ROAD	Service Station	Regulation under CLM Act not required	-33.85149493	150.9722491
GULGONG	Lowes Petroleum (former BP) Depot Gulg	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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GULMARRAD	BP Service Station Maclean	3976 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-29.48537407	153.2004311
GUMLY GUMLY	Caltex Service Station	3723 Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-35.13590309	147.4424551
GUMLY GUMLY	Brick Kiln Reserve	Eunony Bridge ROAD	Landfill	Regulation under CLM Act not required	-35.12098411	147.4196309
GUNDAGAI	Former Mobil Depot	98 Mount STREET	Other Petroleum	Regulation under CLM Act not required	-35.08206783	148.096221
GUNNEDAH	Caltex Service Station	21 Abbott STREET	Service Station	Regulation under CLM Act not required	-30.98021001	150.2561856
GUNNEDAH	Former Shell Depot Gunnedah	85-89 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97949284	150.2507401
GUNNEDAH	Mobil Gunnedah Depot	16-24 Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-30.98428725	150.260609
GUNNEDAH	BP Depot Gunnedah	103 Mathias ROAD	Other Petroleum	Contamination currently regulated under	-30.96665001	150.2326526
GUNNEDAH	BP Service Station	Corner Conadilly Street & Henry STREET	Service Station	Contamination formerly regulated under	-30.98116266	150.2583066
GUNNEDAH	Mobil Service Station	341 Conadilly STREET	Service Station	Contamination formerly regulated under	-30.9807394	150.2578428
GUNNEDAH	Property NSW Site	35-37 Abbott STREET	Other Petroleum	Regulation under CLM Act not required	-30.9789841	150.25737
GUNNEDAH	Former Telstra Line Depot	81 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97933809	150.2503121
GUNNEDAH	Adjacent to Service Station	Intersection of Henry Street and Conadilly	Service Station	Contamination formerly regulated under	-30.98072588	150.2582802
GUNNEDAH	Former Caltex Depot	61 Railway AVENUE	Other Petroleum	Contamination formerly regulated under	-30.97953242	150.2494457
GUNNING	Gunning Motors	56 Yass STREET	Service Station	Regulation under CLM Act not required	-34.78159326	149.2684791
GUYRA	Guyra Fourways Service Centre	87-89 Bradley STREET	Service Station	Regulation under CLM Act not required	-30.24580085	151.6701156

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GUYRA	Caltex-branded Service Station	4352 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.20601937	151.6757291
GUYRA	StateRail land leased to Incitec	Starr ROAD	Other Industry	Regulation under CLM Act not required	-30.23157011	151.6707135
GWANDALAN	Metro Petroleum Gwandalan (Formerly G	47 Orana ROAD	Service Station	Regulation under CLM Act not required	-33.13632941	151.5813396
GWANDALAN	Former Gwandalan Landfill	Kanangra DRIVE	Landfill	Regulation under CLM Act not required	-33.17497722	151.5917107
GYMEA	7-Eleven (former Mobil) Gymea Service St	110 Gymea Bay ROAD	Service Station	Regulation under CLM Act not required	-34.03745848	151.0848547
GYMEA	Coles Express Kirrawee	470 Princes (Cnr The Boulevarde) HIGHW	Service Station	Contamination currently regulated under	-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	-33.88794591	151.14287
HALEKULANI	Former Halekulani Landfill	Macleay DRIVE	Landfill	Regulation under CLM Act not required	-33.21446301	151.5527625
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	-32.92351606	151.7454742
HAMILTON	Caltex Hamilton	59-63 Tudor STREET	Service Station	Regulation under CLM Act not required	-32.92498593	151.7509313
HAMILTON	Newcastle Toyota	65 Tudor STREET	Other Petroleum	Regulation under CLM Act not required	-32.925171	151.7504048
HAMILTON	Hamilton Bus Depot	Cnr Denison Street and Gordon AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.92687413	151.7501743
HAMILTON NORTH	Shell Newcastle Terminal	5 Chatham ROAD	Other Petroleum	Contamination currently regulated under	-32.91630469	151.7408712
HAMILTON NORTH	Former Black and Decker Site	56 Clyde STREET	Metal Industry	Contamination currently regulated under	-32.91080413	151.7358236

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HAMILTON NORTH	Hamilton Gasworks	1 Chatham ROAD	Gasworks	Contamination currently regulated under	-32.91362741	151.7406241
HAMILTON NORTH	Former ELMA Site	54 Clyde STREET	Other Industry	Contamination currently regulated under	-32.91145768	151.7367691
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	-34.55396035	148.3713349
HARDEN	South West Fuel Harden	294 Albury STREET	Service Station	Regulation under CLM Act not required	-34.55007021	148.3513821
HAROLDS CROSS	Lot 59, Vernelly Road, Harolds Cross NSW	Lot 59, Vernelly ROAD	Other Industry	Regulation under CLM Act not required	-35.547941	149.588976
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	-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	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	-34.49966753	144.8410778
HAY	Former Shell Hay Depot	391 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50028195	144.8463999
HAY	Former Mobil Depot Hay	397-399 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50019184	144.8456578
HAY SOUTH	Caltex Service Station	429-431 Moama STREET	Service Station	Regulation under CLM Act not required	-34.52001427	144.8380121
HAZELBROOK	Caltex Service Station Hazelbrook	198 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72106175	150.4520976
HEATHCOTE	Caltex Service Station	1344 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08841066	151.0072048

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 St	2137 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-32.79835449	151.7176284
HEXHAM	QR National - Hexham Precinct	179 & 3/67 Maitland ROAD	Other Industry	Regulation under CLM Act not required	-32.83474038	151.6821895
HEXHAM	Caltex Diesel Stop	360 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82844873	151.6851063
HEXHAM	Cummins Newcastle Facility Hexham	21 Galleghan STREET	Other Industry	Regulation under CLM Act not required	-32.83186739	151.686709
HEXHAM	BP Service Station (Reliance Petroleum)	Corner Pacific Highway and Old Maitland	Service Station	Regulation under CLM Act not required	-32.82756403	151.6846929
HEXHAM	Former Forgacs Site	21 Sparke STREET	Chemical Industry	Contamination currently regulated under	-32.85464558	151.6988053
HEXHAM	Caltex-Bogas Warehouse	239 Old Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82899942	151.6861849
HEXHAM	Industrial Galvanizers	312 Pacific HIGHWAY	Metal Industry	Contamination currently regulated under	-32.83457186	151.6884941
HEXHAM	14 Sparke St Hexham	14 Sparke STREET	Metal Industry	Under assessment	-32.85394328	151.6960863
HILLSTON	Former BP Depot Hillston	141-143 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-33.48823546	145.5381623
HOLBROOK	Caltex Truckstop	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-35.71332625	147.3207237
HOMEBUSH	Ausgrid Mason Park Substation	1 Underwood ROAD	Other Industry	Regulation under CLM Act not required	-33.85674677	151.0747044
HOMEBUSH BAY	SUEZ Waste Recycling Centre (WRC) and (	Corner Pondage Link and Hill ROAD	Landfill	Regulation under CLM Act not required	-33.84359299	151.0593656

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Under assessment	-33.86142424	151.0625556
HORNSBY	Midas Car Care Centre Hornsby	2A Linda STREET	Other Industry	Regulation under CLM Act not required	-33.70052215	151.1004786
HORNSBY	Coles Express Hornsby	194- 206 Pacific HIGHWAY	Service Station	Contamination currently regulated under	-33.7071993	151.0991452
HORNSBY	Hornsby Train Maintenance Centre	1B Stephen STREET	Other Industry	Regulation under CLM Act not required	-33.69370022	151.1035939
HOXTON PARK	Endeavour Energy Hoxton Park	490 Hoxton Park ROAD	Other Industry	Regulation under CLM Act not required	-33.92766437	150.8689069
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	-33.84248362	151.1649249
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
HURLSTONE PARK	Former Telstra Depot	82 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90803171	151.1258121
HURLSTONE PARK	Former Speedway Petroleum Service Stat	610 - 618 New Canterbury ROAD	Service Station	Contamination formerly regulated under	-33.90541228	151.1322009
HURLSTONE PARK	7-Eleven Hurlstone Park	670 New Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90510388	151.1299825
HURSTVILLE GROVE	Moore Reserve	Morshead DRIVE	Landfill	Contamination currently regulated under	-33.97920603	151.0873578
INGLEBURN	7-Eleven Ingleburn	72 Cumberland Road, corner Oxford ROA	Service Station	Regulation under CLM Act not required	-34.00041505	150.8679742
INVERELL	Former Shell Depot	25 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76151684	151.1182033
INVERELL	Former Service Station	20 Oliver STREET	Service Station	Regulation under CLM Act not required	-29.77229743	151.1152692

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
INVERELL	Former Caltex Depot Inverell	4 Edward STREET	Service Station	Regulation under CLM Act not required	-29.76123104	151.1147983
INVERELL	Former Mobil Inverell Depot	29-33 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76135322	151.1171412
INVERELL	Caltex Service Station	55-59 Ring STREET	Service Station	Regulation under CLM Act not required	-29.76204512	151.1141737
INVERELL	Former Mobil Service Station	Corner Otho Street and Henderson STREE	Service Station	Regulation under CLM Act not required	-29.7786926	151.1149921
INVERELL	Former Caltex Service Station	141 Otho STREET	Service Station	Regulation under CLM Act not required	-29.77819403	151.1145699
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	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
JAMISONTOWN	7-Eleven Service Station	92 Mulgoa ROAD	Service Station	Contamination currently regulated under	-33.7667231	150.6796488
JANNALI	Former Mobil Service Station	121 Georges River ROAD	Service Station	Regulation under CLM Act not required	-34.01614613	151.0681921
JANNALI	Former IGA	541 Box ROAD	Other Industry	Regulation under CLM Act not required	-34.01602134	151.0660384
JENNINGS	Jennings Former Arsenic Poison Factory	Duke Street, Manor Street, and Ballandea	Chemical Industry	Contamination currently regulated under	-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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	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
JUNEE	Junee Railway Workshops	92 Harold STREET	Other Industry	Under assessment	-34.881089	147.576365
KANAHOOKA	Former Dapto Smelter Site, Kanahooka (r	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	Kanwal General Store and Fuel Supplies a	68 and part of 70 Craigie AVENUE	Service Station	Contamination currently regulated under	-33.26310031	151.4817395
KANWAL	Former Bus and Truck Rental Yard	645-647 Pacific Highway HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.26233802	151.4825469
KARIONG	Coles Express Kariong	6 Central Coast HIGHWAY	Service Station	Regulation under CLM Act not required	-33.43443192	151.2963401
KARIONG	Caltex Service Station	Lot 2 Langford DRIVE	Service Station	Regulation under CLM Act not required	-33.43934827	151.2935447
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	-33.71304308	150.3194624
KELLYVILLE	Caltex Service Station	3-5 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71436125	150.9602175
KELLYVILLE	BP Service Station Kellyville	19-23 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71280997	150.9590756

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KELSO	Caltex Service Station Kelso	19 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41904247	149.6023985
KELSO	BP Service Station (Reliance Petroleum)	63 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41925328	149.6076677
KELSO	23 Zagreb Street, Kelso NSW	23 Zagreb STREET	Other Industry	Under assessment	-33.427361	149.609917
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	Kempsey Showground	19 Sea STREET	Unclassified	Contamination being managed via the pla	-31.07334836	152.8308795
KEMPSEY	Former Shell Depot	43-51 Gladstone STREET	Other Petroleum	Regulation under CLM Act not required	-31.07500944	152.8346699
KEMPSEY	Former Mobil Depot	14 Hopetoun STREET	Other Petroleum	Regulation under CLM Act not required	-31.07603107	152.8350132
KEMPSEY	Shell Coles Express Service Station Kemps	165 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07036743	152.8461571
KEMPSEY	Mobil Depot	154 Belgrave STREET	Service Station	Regulation under CLM Act not required	-31.07965043	152.8326303
KEMPSEY	Liberty (Former Mobil) Service Station	108-112 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07492508	152.8431945
KENSINGTON	7-Eleven Kensington	135 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91035885	151.2228537
KENSINGTON	Former Ampol Service Station	76-82 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.9059246	151.2242891
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	Caltex Service Station	211-213 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91460752	151.2251266

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KENTHURST	Vacant Land	259 McCylmonts ROAD	Unclassified	Regulation under CLM Act not required	-33.61283529	150.9425303
KHANCOBAN	Khancoban Tip	Alpine WAY	Landfill	Regulation under CLM Act not required	-36.21994191	148.1542718
KIAMA	Former Gasworks	105 to 109 and 113 Shoalhaven STREET	Gasworks	Regulation under CLM Act not required	-34.67416881	150.8504143
KIAMA HEIGHTS	Former Mobil Service Station Kiama	7-9 South Kiama DRIVE	Service Station	Regulation under CLM Act not required	-34.69553931	150.8437977
KILLARA	7-Eleven Service Station (Former Mobil)	496 Pacific HIGHWAY	Service Station	Contamination currently regulated under	-33.77146554	151.1606903
KILLARA	Former Caltex Service Station	692B-694 Pacific HIGHWAY	Service Station	Contamination formerly regulated under	-33.76306802	151.1550109
KILLARA	Killara Garage	544 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76974164	151.1599696
KILLARA	Former BP Service Station Lindfield	478 Pacific HIGHWAY	Service Station	Contamination currently regulated under	-33.7719298	151.1613874
KILLARA	Land Adjacent to Former Service Station S	684-684a, 690, 692 and 696 Pacific HIGHV	Service Station	Contamination formerly regulated under	-33.7631019	151.1548963
KINCUMBER	Frost Reserve	Avoca DRIVE	Landfill	Contamination currently regulated under	-33.47065695	151.3909044
KINGS PARK	Multi-Fill	14 Garling ROAD	Chemical Industry	Under assessment	-33.74478046	150.9111964
KINGS PARK	Former Dow Corning Factory	21 Tattersall ROAD	Chemical Industry	Regulation under CLM Act not required	-33.75012653	150.9138477
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	Shell Coles Express Service Station	137 Kingsgrove ROAD	Service Station	Regulation under CLM Act not required	-33.93276948	151.099026
KINGSGROVE	Caltex Kingsgrove	351-357 Stoney Creek ROAD	Service Station	Regulation under CLM Act not required	-33.95132175	151.0926872

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KINGSGROVE	State Transit Authority Depot	17-23 Richland STREET	Other Petroleum	Regulation under CLM Act not required	-33.93646086	151.0973617
KIRRAWEE	Ingal Civil Products	127-141 Bath ROAD	Metal Industry	Regulation under CLM Act not required	-34.03029516	151.0754469
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 HIGHWA	Service Station	Regulation under CLM Act not required	-34.02915971	151.0808279
KOGARAH	Scarborough Park South	184R Production AVENUE	Landfill	Regulation being finalised	-33.97922253	151.140276
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	Regulation being finalised	-33.96406472	151.1376011
KOGARAH	Woolworths Petrol Service Station	69 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.96330397	151.1371182
KOOLKHAN	Former Koolkhan Power Station	Summerland WAY	Other Industry	Regulation under CLM Act not required	-29.61688704	152.9300645
KOORAGANG	NPC, berths 2 and 3	Heron ROAD	Metal Industry	Regulation under CLM Act not required	-32.89260063	151.7742527
KOORAGANG	Kooragang Island Waste Facility	Off Cormorant ROAD	Metal Industry	Contamination currently regulated under	-32.86901125	151.7377773
KOORAGANG	Orica Kooragang Island	15 Greenleaf ROAD	Chemical Industry	Contamination currently regulated under	-32.89654619	151.7771372
KOORAGANG	Former Boral Timber Export Facility	16 Heron ROAD	Other Industry	Regulation under CLM Act not required	-32.89710295	151.7739966
KOORAGANG	Cleanaway Technical Services	19 Egret STREET	Other Industry	Regulation under CLM Act not required	-32.8812145	151.766282
KOORAGANG	Industrial Facility	39 Heron ROAD	Chemical Industry	Under assessment	-32.89106439	151.7784064
KOORAGANG	Vacant Land	Raven Street and Cormorant ROAD	Unclassified	Regulation under CLM Act not required	-32.88410199	151.7701334

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KOORAGANG	Linx Logistics	240 Cormorant ROAD	Other Industry	Regulation under CLM Act not required	-32.87480951	151.7757352
KOORINGAL	Former Shell Wagga Depot	11-15 Lake Albert ROAD	Other Petroleum	Regulation under CLM Act not required	-35.12273113	147.3786005
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 St	24 Lake Albert ROAD	Service Station	Regulation under CLM Act not required	-35.12239591	147.3769936
KOSCIUSZKO	Smiggin Holes Snow Clearing Shed	Link ROAD	Landfill	Regulation under CLM Act not required	-36.39098211	148.4304981
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 ROA	Landfill	Regulation under CLM Act not required	-36.34858097	148.5673374
KURMOND	BP Service Station	501 Bells Line of road ROAD	Service Station	Contamination formerly regulated under	-33.55099195	150.6912536
KURNELL	Former Phillips Imperial Chemicals site	260 Captain Cook DRIVE	Chemical Industry	Regulation under CLM Act not required	-34.02493837	151.1952149
KURNELL	Caltex Kurnell Terminal (refer also to ID23	2 Solander STREET	Other Petroleum	Contamination currently regulated under	-34.0175214	151.2159572
KURNELL	Abbott Australasia	Captain Cook DRIVE	Chemical Industry	Contamination formerly regulated under	-34.02339937	151.19921
KURNELL	Former Caltex Kurnell Service Station	Corner Captain Cook Drive and Solander S	Service Station	Regulation under CLM Act not required	-34.01269846	151.2094347
KURRI KURRI	United Petroleum Service Station Kurri Ku	279-281 Lang STREET	Service Station	Contamination formerly regulated under	-32.82047175	151.477646
KURRI KURRI	Kurri Kurri Smelter	Hart ROAD	Metal Industry	Regulation under CLM Act not required	-32.7873063	151.4828827
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LAKEMBA	Former Lakemba Police Station	59 Quigg STREET	Unclassified	Regulation under CLM Act not required	-33.92199239	151.079412
LAKEMBA	Caltex Service Station - Corner Punchbow	81 Wangee ROAD	Service Station	Regulation under CLM Act not required	-33.91153044	151.073306
LAKEMBA	Caltex Service Station	961-967 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92671102	151.0814905
LAMBTON	Caltex Service Station	422 Newcastle ROAD	Service Station	Regulation under CLM Act not required	-32.9095592	151.7109684
LAMBTON	4-26 Verulam Road, Lambton NSW 2299	4-26 Verulam ROAD	Metal Industry	Under assessment	-32.912133	151.716498
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	Pacific Power	Sirius ROAD	Other Industry	Ongoing maintenance required to manag	-33.80701776	151.1449658
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	331-335 Burns Bay Road, Lane Cove NSW	331 and 333 - 335 Burns Bay ROAD	Other Industry	Under assessment	-33.8211575	151.1493074
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 NORTH	BP Artarmon Service Station, Lane Cove N	432 Pacific HIGHWAY	Service Station	Contamination currently regulated under	-33.8112038	151.175547
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	Ventemans Reach Bushland	Off Mars ROAD	Unclassified	Regulation under CLM Act not required	-33.80499552	151.1450719
LANE COVE WEST	Lovetts Reserve Walking Track	301B Burns Bay ROAD	Unclassified	Under preliminary investigation order	-33.82044223	151.1492125
LANSVALE	Mobil Service Station	44 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.89172416	150.9656537

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LAURIETON	Camden Haven Tyre and Brake Centre (Fc	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	Former Caltex Service Station	373-375 Wagga ROAD	Service Station	Regulation under CLM Act not required	-36.04797551	146.9385325
LAVINGTON	Caltex Service Station	436 Wagga (corner Dick Road) ROAD	Service Station	Regulation under CLM Act not required	-36.04500034	146.9444932
LAVINGTON	Former ERS liquid waste treatment and st	819 Knights ROAD	Other Industry	Regulation under CLM Act not required	-36.06763885	146.942143
LEETON	Former Mobil Depot	108 Calrose STREET	Other Petroleum	Regulation under CLM Act not required	-34.55813326	146.3921296
LEETON	Caltex Service Station	1 Belah STREET	Service Station	Regulation under CLM Act not required	-34.55421752	146.3998431
LEETON	Yenda Producers (formerly Incitec) Leeto	1 - 2 Canal STREET	Other Petroleum	Regulation under CLM Act not required	-34.55184684	146.3862573
LEETON	Former Fuel Depot, Leeton	1-3 Short STREET	Other Petroleum	Regulation under CLM Act not required	-34.55253237	146.3864507
LEETON	United Leeton Service Station	110 Kurrajong AVENUE	Service Station	Regulation under CLM Act not required	-34.55573364	146.4099077
LEICHHARDT	SRA Land	10-11 Balmain ROAD	Other Industry	Contamination formerly regulated under	-33.8776803	151.1591041
LEICHHARDT	Former Kolotex site	22 George STREET	Other Industry	Contamination currently regulated under	-33.88855307	151.1482106
LEICHHARDT	Former Labelcraft Site	30-40 George STREET	Chemical Industry	Contamination currently regulated under	-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
LENNOX HEAD	Former Caltex Lennox Head	Byron STREET	Service Station	Regulation under CLM Act not required	-28.79189328	153.5883225

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LENNOX HEAD	Spoors Dip	13 Fig Tree Hill DRIVE	Cattle Dip	Contamination formerly regulated under	-28.78258175	153.5752527
LEPPINGTON	Coles Express Leppington	1443 Camden Valley WAY	Service Station	Regulation under CLM Act not required	-33.96631609	150.8154793
LEUMEAH	Caltex Service Station	6 Rudd ROAD	Service Station	Regulation under CLM Act not required	-34.05398325	150.8299209
LEURA	Former Leura Garage	126-128 Leura MALL	Service Station	Regulation under CLM Act not required	-33.7125311	150.3315386
LIDCOMBE	Metro Lidcombe (former Liberty)	134 John STREET	Service Station	Contamination currently regulated under	-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 Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.38232515	150.0943561
LIDSDALE	Kerosene Vale Ash Repository at Wallerav	110 Skellly ROAD	Other Industry	Under assessment	-33.388596	150.1071
LIGHTNING RIDGE	Former Ambulance Station	18 - 42 Pandora STREET	Other Industry	Regulation under CLM Act not required	-29.43133877	147.9812981
LIGHTNING RIDGE	Caltex Service Station	Onyx Street, corner Morilla STREET	Service Station	Regulation under CLM Act not required	-29.42922885	147.9747954
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	Shell Coles Express Service Station	100 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.81140865	153.2800472

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LISMORE	Former Shell Depot	116 Wilson STREET	Other Petroleum	Regulation under CLM Act not required	-28.81070081	153.2621577
LISMORE	Caltex Service Station	73-75 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.80894415	153.2809619
LISMORE	Lismore Gasworks	Cnr John Street & Keen STREET	Gasworks	Contamination formerly regulated under	-28.81764489	153.2710196
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	-28.81068067	153.3053065
LISMORE HEIGHTS	Impacted land, below Beardow Street lan	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 RO	Unclassified	Regulation under CLM Act not required	-28.80403	153.294056
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	Lithgow Thales	4 Martini PARADE	Metal Industry	Contamination formerly regulated under	-33.48988084	150.141366
LITHGOW	Former Mobil Depot	353 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.48235166	150.1383012
LITHGOW	Former Gasworks	Mort STREET	Gasworks	Regulation under CLM Act not required	-33.47995167	150.1635401
LITHGOW	Jasbe BP-branded Service Station (Former	1106 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.48426647	150.134992
LITHGOW	Caltex Lithgow (Quota Park)	Adjacent to 1131 Great Western HIGHWA	Unclassified	Regulation under CLM Act not required	-33.47927554	150.1366238
LIVERPOOL	AC McGrath (Wholesale) Pty Ltd	20 Shepherd Street and 6A & 6B Atkinson	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	Woolworths Service Station	59-67 Orange Grove ROAD	Service Station	Regulation under CLM Act not required	-33.90711248	150.9178855

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LIVERPOOL	68 Speed Street (former gasworks)	2A Mill ROAD	Gasworks	Under assessment	-33.92992649	150.9224472
LOFTUS	BP Freedom Fuel Service Station Loftus	127 Loftus AVENUE	Service Station	Regulation under CLM Act not required	-34.04570765	151.0508004
LONG JETTY	Metro Petroleum Service Station Long Jet	326 The Entrance ROAD	Service Station	Under assessment	-33.35897356	151.4847709
LONG JETTY	Caltex Service Station	431 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.36022468	151.4826553
LONG JETTY	Westside Petroleum Service Station	290-294 The Entrance ROAD	Service Station	Contamination currently regulated under	-33.35686757	151.4861479
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
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	Under assessment	-32.799271	151.485989
LUCAS HEIGHTS	Harringtons Quarry	access from Little Forest ROAD	Landfill	Contamination currently regulated under	-34.03555347	150.9751826
LUCAS HEIGHTS	IWC landfill	Little Forest ROAD	Landfill	Contamination formerly regulated under	-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	Caltex North Ryde Service Station	41-43 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.79138236	151.1312248
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	Porters Creek Depot - Proposed Operatio	160 Wicks ROAD	Landfill	Regulation under CLM Act not required	-33.78581579	151.1367075
MACQUARIE PARK	De Burghs Cycleway - Lane Cove National	Riverside DRIVE	Other Petroleum	Regulation under CLM Act not required	-33.77668985	151.136542
MAITLAND	Maitland Gasworks	Charles STREET	Gasworks	Contamination currently regulated under	-32.73603658	151.5578926
MAITLAND	Hannan and High Street	Hannan Street and High STREET	Service Station	Regulation under CLM Act not required	-32.72731682	151.5515673
MAITLAND	Coles Express Service Station	235 High STREET	Service Station	Regulation under CLM Act not required	-32.73923807	151.5620399
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	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	Open Space at end of Stuart Street (Lot 1	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	Former Little Manly Point Gasworks	Stuart STREET	Gasworks	Ongoing maintenance required to manag	-33.8081596	151.287697
MANLY VALE	Caltex Service Station Manly Vale	236-238 Condamine STREET	Service Station	Regulation under CLM Act not required	-33.78508231	151.2674386
MANLY VALE	Former Landfill Addiscombe Road	Addiscombe ROAD	Landfill	Contamination currently regulated under	-33.78307439	151.2747846
MANNERING PARK	Parkview General Store (a former service	2 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.14753814	151.5387832

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MANNERING PARK	Mannering Park Mini Mart	70 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.15236501	151.5371767
MARAYONG	7-Eleven (former Mobil Blacktown West)	173 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75472796	150.8913605
MARAYONG	Woolworths Petrol Service Station Maray	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 Service Station (now 7-Elev	770-772 Pacific HIGHWAY	Service Station	Contamination formerly regulated under	-33.05646268	151.6533795
MARKS POINT	Former Mobil Aviation Depot Belmont Air	864 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.06657244	151.6497674
MAROUBRA	Coles Express Pagewood Service Station,	299 Bunnerong PARADE	Service Station	Regulation under CLM Act not required	-33.94071282	151.2285063
MARRANGAROO	United (Former Mobil) Service Station Ma	394-398 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.45253322	150.1181023
MARRICKVILLE	Former Mobil Service Station	384 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91534969	151.1506717
MARRICKVILLE	TRW Steering and Suspension	22-28 Carrington ROAD	Other Industry	Ongoing maintenance required to manag	-33.92012667	151.1566181
MARRICKVILLE	Woolworths Petrol Service Station Marric	490 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91845177	151.1459951
MARRICKVILLE	RailCorp	361 Victoria ROAD	Other Industry	Regulation under CLM Act not required	-33.91404835	151.1557132
MARRICKVILLE	Mackey Park	Cnr Richardsons Crescent and Carrington	Landfill	Regulation under CLM Act not required	-33.9220263	151.1547903
MARRICKVILLE	Cooks River Aqueduct	Thornley STREET	Unclassified	Contamination formerly regulated under	-33.92224311	151.1479744
MARRICKVILLE	2 Carrington Road	2 Carrington ROAD	Unclassified	Regulation under CLM Act not required	-33.91567088	151.1589931
MARRICKVILLE	Former Dry Cleaners and Loading Dock	Smidmore STREET	Other Industry	Contamination currently regulated under	-33.90752498	151.1717761

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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 currently regulated under	-32.91336028	151.7579315
MASCOT	Former Zinc Smelter and Paint Manufactu	163 O'Riordan STREET	Metal Industry	Regulation under CLM Act not required	-33.92526513	151.1892582
MASCOT	Caltex Service Station	125 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.92309169	151.1911539
MASCOT	Mascot Pioneer Plating	25-29 Ricketty STREET	Metal Industry	Contamination currently regulated under	-33.92075288	151.1824801
MASCOT	Heritage Business Centre	5-9 Ricketty STREET	Unclassified	Regulation under CLM Act not required	-33.92029202	151.1816656
MASCOT	Telstra Exchange	904-922 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9293166	151.1942777
MASCOT	Former Shell Service Station Mascot	746 Botany ROAD	Service Station	Contamination formerly regulated under	-33.92352295	151.1955852
MASCOT	Former Freight Distribution Facility (now	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	-33.92902126	151.185874
MASCOT	Sokol Corporation	50-56 Robey STREET	Other Industry	Regulation under CLM Act not required	-33.93162265	151.1904955
MASCOT	Linear Park	Off O'Riordan STREET	Landfill	Regulation under CLM Act not required	-33.92278693	151.1904751
MATRAVILLE	Port Botany Bus Depot	7 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96880413	151.2255889

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MATRAVILLE	Former Golden Fleece Terminal No2	151 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under	-33.95719404	151.2259884
MATRAVILLE	Former Rieco Incinerator	Kain AVENUE	Other Industry	Contamination being managed via the pla	-33.95980534	151.2423679
MATRAVILLE	7-Eleven Service Station Matraville	515 Bunnerong ROAD	Service Station	Contamination currently regulated under	-33.95943536	151.2317598
MATRAVILLE	Former Golden Fleece Terminal No1	133 -149 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under	-33.95776666	151.2248518
MATRAVILLE	Vacant Lot	3 Wilkes AVENUE	Other Industry	Regulation under CLM Act not required	-33.96006406	151.2431087
MATRAVILLE	Eastern Suburbs Memorial Park	12 Military ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9719906	151.2274386
MAYFIELD	7-Eleven (Former Mobil) Service Station	412-416 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.89292005	151.7300948
MAYFIELD	Shell Coles Express Service Station	63-69 Maud STREET	Service Station	Regulation under CLM Act not required	-32.89358962	151.7221298
MAYFIELD	BHP Closure Site (Hunter River Sediments	Bed Sediments of the Hunter adjacent to	Metal Industry	Contamination formerly regulated under	-32.89203741	151.7646702
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 adjace	Metal Industry	Contamination currently regulated under	-32.8773556	151.7252427
MAYFIELD	Waratah Steel Mill	23 Frith STREET	Metal Industry	Regulation under CLM Act not required	-32.89426592	151.7257429
MAYFIELD	OneSteel (BHP)	Industrial DRIVE	Metal Industry	Contamination currently regulated under	-32.88365878	151.7448793
MAYFIELD NORTH	Former BHP Steelworks (Closure site)	Bound by Hunter River, Selwyn Street & I	Metal Industry	Ongoing maintenance required to manag	-32.89436064	151.7590762
MAYFIELD NORTH	OneSteel - Newcastle Wire, Rod and Bar M	141 & 151 Ingall STREET	Metal Industry	Under assessment	-32.89008485	151.752949
MAYFIELD NORTH	Former BHPB Supply site	Industrial DRIVE	Metal Industry	Ongoing maintenance required to manag	-32.88583061	151.7386157

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MAYFIELD WEST	Stevenson Park landfill	2/559 Maitland ROAD	Landfill	Regulation under CLM Act not required	-32.88472556	151.7224791
MAYFIELD WEST	Koppers Coal Tar	East of Woodstock Street and Tourle STRE	Other Industry	Contamination currently regulated under	-32.88592437	151.7361839
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 M	289 Menai ROAD	Service Station	Under assessment	-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
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 W	Lot 1, Scenic DRIVE	Other Industry	Under assessment	-32.951582	151.753577
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	Former Timber Yard and Hardware	11-19 Centenary ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83083025	150.9698915
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	Stockland Merrylands Court	249-259 Merrylands ROAD	Service Station	Regulation under CLM Act not required	-33.83560037	150.9869735
MERRYLANDS	7-Eleven Merrylands Service Station	295-297 Merrylands Road, corner Windso	Service Station	Regulation under CLM Act not required	-33.83533205	150.9851801

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MERRYLANDS	Former Stockfeed Manufacturing Site	1-7 & 9-11 Neil STREET	Other Petroleum	Regulation under CLM Act not required	-33.83390257	150.9947449
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	-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	Moores Wharf UPSS	4 Towns PLACE	Other Petroleum	Regulation under CLM Act not required	-33.85581123	151.2024759
MILLERS POINT	Former AGL Gasworks	38 Hickson and road reserve ROAD	Gasworks	Contamination being managed via the pla	-33.86280104	151.2032452
MILLERS POINT	Former AGL Gasworks	Berths 5, 6 and 7 (already demolished) an	Gasworks	Contamination formerly regulated under	-33.86239771	151.2024819
MILLERS POINT	Former AGL Gasworks 36 Hickson Road	36 Hickson ROAD	Gasworks	Contamination formerly regulated under	-33.86243824	151.2032514
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
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
MILTON	Former Sanitary Depot	Slaughterhouse ROAD	Other Industry	Regulation under CLM Act not required	-35.33819825	150.4471917
MILTON	Caltex Milton Service Station and Depot	331 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.33154474	150.4492852
MINCHINBURY	7-Eleven (former Mobil) Service Station	815 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78812909	150.8495992

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MINCHINBURY	BP Service Station	1055 Great Western Highway corner Arch	Service Station	Regulation under CLM Act not required	-33.78211857	150.8244185
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	Shell Coles Express Service Station	73 Pembroke STREET	Service Station	Regulation under CLM Act not required	-34.02316454	150.8503118
MINTO	Former Endeavour Energy Depot	Pembroke ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0408973	150.8451837
MINTO	Logistics Hub - Culverston Road, Minto	Culverston ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0421711	150.833825
MIRANDA	Woolworths Service Station	455 Kingsway OTHER	Service Station	Contamination currently regulated under	-34.03492814	151.1124681
MITTAGONG	Enhance (former Coles Express) Service St	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	-34.44738105	150.4565159
MITTAGONG	Caltex Mittagong Service Station	65 Bowral ROAD	Service Station	Regulation under CLM Act not required	-34.45245915	150.4381291
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	-33.09026307	148.8695809
MOLONG	Former Gasworks	Hill STREET	Gasworks	Ongoing maintenance required to manag	-33.09074595	148.8703262
MONA VALE	Mona Vale Bus Depot	58 Darley STREET	Other Petroleum	Contamination currently regulated under	-33.67452414	151.3074246
MONA VALE	Former Caltex service station and adjacer	79 Barrenjoey Road, 2 Polo Avenue, 6 Pol	Service Station	Contamination formerly regulated under	-33.6743659	151.3096932
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 Stree	Service Station	Regulation under CLM Act not required	-33.67670799	151.3090068

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-33.67431333	151.3091148
MONA VALE	Taronga Place Mona Vale properties	Taronga PLACE	Other Petroleum	Contamination currently regulated under	-33.67422848	151.3066972
MOOBALL	Mooball General Store	5913 Tweed Valley WAY	Service Station	Regulation under CLM Act not required	-28.44204594	153.4887648
MOONBI	Caltex Moonbi Service Station	New England HIGHWAY	Service Station	Regulation under CLM Act not required	-31.02264369	151.069094
MOORE PARK	Area 2, Moore Park	Driver AVENUE	Unclassified	Regulation under CLM Act not required	-33.89426868	151.2226839
MOOREBANK	Caltex Service Station	216 Newbridge ROAD	Service Station	Regulation under CLM Act not required	-33.92930835	150.9551469
MOOREBANK	Joyce Foam Products	5-9 Bridges ROAD	Chemical Industry	Regulation under CLM Act not required	-33.92596302	150.9335273
MOOREBANK	ABB Australia Pty Ltd	(a) 1 Bapaume ROAD	Other Industry	Ongoing maintenance required to manag	-33.94143741	150.9208754
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, New	Newbridge ROAD	Landfill	Contamination being managed via the pla	-33.9390295	150.9653979
MOORLAND	Caltex Service Station	99 Jericho ROAD	Service Station	Regulation under CLM Act not required	-31.79436622	152.6514849
MOREE	Former Freedom Service Station Site Mor	1 Dover STREET	Service Station	Contamination currently regulated under	-29.4715814	149.8440279
MOREE	Caltex Depot	101 Gosport STREET	Other Petroleum	Regulation under CLM Act not required	-29.47603684	149.8476728
MOREE	Former Golden Fleece Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under	-29.47698315	149.8477108
MOREE	Former Mobil Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under	-29.47771921	149.8478438

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOREE	Moree Airport Evaporation Pond	Newell HIGHWAY	Unclassified	Regulation under CLM Act not required	-29.50289837	149.8411301
MOREE	Caltex Service Station	54 Alice STREET	Service Station	Contamination currently regulated under	-29.47158492	149.8433182
MOREE	Former Shell Depot	Adelaide STREET	Other Petroleum	Contamination formerly regulated under	-29.47655335	149.8465698
MOREE	Shell Coles Express Service Station	Corner Gwydir and Balo STREET	Service Station	Regulation under CLM Act not required	-29.46081826	149.8419975
MOREE	BP Truckstop and Depot Moree	Newell Highway - 423 Frome STREET	Service Station	Regulation under CLM Act not required	-29.48223274	149.8463679
MOREE	Sunnyside Road	Sunnyside ROAD	Unclassified	Regulation under CLM Act not required	-29.45652718	149.8226682
MORISSET	Railcorp Station Masters Cottage	24 Dora STREET	Unclassified	Regulation under CLM Act not required	-33.10849681	151.4880317
MORISSET	Morisset High School	Bridge STREET	Unclassified	Regulation under CLM Act not required	-33.10475221	151.4866482
MORPETH	Telstra Cable Installation and RTA Bridge	Northumberland STREET	Other Petroleum	Regulation under CLM Act not required	-32.72489729	151.6266795
MORPETH	Former Service Station	Swan STREET	Service Station	Regulation under CLM Act not required	-32.72477413	151.6250642
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	-33.83905999	151.1120458
MORTLAKE	Former AGL site	Tennyson ROAD	Gasworks	Contamination formerly regulated under	-33.84287407	151.1109313
MORTLAKE	Majors Bay Redevelopment	14-22 Hilly STREET	Other Industry	Regulation under CLM Act not required	-33.83954617	151.1054674
MORUYA	Former Fuel Depot Moruya	11 to 13 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-35.9112243	150.0826475
MORUYA	Caltex Service Station Moruya	80-84 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.91195596	150.0824213

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MORUYA	Caltex Service Station	26 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.9104985	150.0711419
MOSMAN	7-Eleven Mosman	162A Spit Road Corner Mitchell ROAD	Service Station	Regulation under CLM Act not required	-33.81747016	151.2433633
MOSMAN	BP Service Station	175 Ourimbah ROAD	Service Station	Regulation under CLM Act not required	-33.82106757	151.233291
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
MOSS VALE	Woolworths Service Station Moss Vale	609 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.55409411	150.3609797
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
MOUNT ANNAN	Woolworths Caltex Mount Annan	157 Narellan (Corner Smeaton Grange Ro	Service Station	Regulation under CLM Act not required	-34.04685527	150.7610434
MOUNT ANNAN	Great Southern Railways Aqueduct	Off Narellan ROAD	Unclassified	Regulation under CLM Act not required	-34.07308479	150.7707436
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	-33.65829855	151.1229638
MOUNT DRUITT	Caltex (former Mobil) Service Station, 17	17 Mount STREET	Service Station	Regulation under CLM Act not required	-33.76567994	150.8244544
MOUNT DRUITT	7-Eleven Mount Druitt	Lot 6 Luxford ROAD	Other Petroleum	Under assessment	-33.76483839	150.8254157
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 Mou	74 Mount Thorley ROAD	Other Petroleum	Regulation under CLM Act not required	-32.62443074	151.1025122
MOUNT VICTORIA	Former Mobil Service Station	81 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.5889727	150.2511783
MOUNT VICTORIA	Caltex Service Station	36a Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.58436517	150.2465528
MUDGEE	Caltex Service Station	114-116 Church STREET	Service Station	Regulation under CLM Act not required	-32.59428029	149.5876199
MUDGEE	Shell Coles Express Service Station	47 Church STREET	Service Station	Regulation under CLM Act not required	-32.59347493	149.5884623
MUDGEE	BP Service Station Mudgee	77 Church STREET	Service Station	Regulation under CLM Act not required	-32.59545872	149.588123
MUDGEE	Mobil Depot	47 Douro STREET	Other Petroleum	Contamination currently regulated under	-32.60023979	149.5823448
MUDGEE	Mudgee Gasworks	Mortimer Street and Court STREET	Gasworks	Regulation under CLM Act not required	-32.59168859	149.5817705
MUDGEE	Former Essential Energy Depot	27-31 Inglis STREET	Other Industry	Regulation under CLM Act not required	-32.60076552	149.5858905
MUDGEE	Former Caltex Depot Mudgee	cnr Nicholson Street & Atkinson STREET	Other Petroleum	Regulation under CLM Act not required	-32.60125298	149.5851398
MULGRAVE	7-Eleven (former Mobil) Service Station	Corner Windsor Road and Mulgrave ROAI	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	-28.549853	153.502785
MULWALA	Mulwala ADI Explosives Factory	Bayly STREET	Other Industry	Regulation under CLM Act not required	-35.97572689	145.9809786
MURWILLUMBAH	Murwillumbah Ambulance Depot	27 Queen STREET	Other Petroleum	Regulation under CLM Act not required	-28.32552576	153.4000182
MURWILLUMBAH SOUTH	Puma Murwillumbah (formerly Matilda)	182 Tweed Valley WAY	Service Station	Contamination currently regulated under	-28.3263681	153.4103824

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MURWILLUMBAH SOUTH	Former Norco Butter Factory (Eastern Por	230 Tweed Valley WAY	Other Petroleum	Regulation under CLM Act not required	-28.32791359	153.4073052
MUSWELLBROOK	Former Caltex Depot	1 Lower William STREET	Other Petroleum	Regulation under CLM Act not required	-32.26614257	150.8865136
MUSWELLBROOK	Vacant Rail Land	27 Brook STREET	Unclassified	Regulation under CLM Act not required	-32.26346086	150.8873181
MUSWELLBROOK	United Branded (Former Mobil) Service St	49-51 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27218162	150.8900206
MUSWELLBROOK	Former Mobil Depot Muswellbrook	43-51 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-32.2599725	150.887573
MUSWELLBROOK	Woolworths Petrol	72 Brook STREET	Service Station	Regulation under CLM Act not required	-32.26325377	150.8905966
MUSWELLBROOK	Caltex Muswellbrook Service Station	84-86 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27793094	150.8980938
MUSWELLBROOK	Former Gasworks	Corner Carl Street and Foley STREET	Gasworks	Regulation under CLM Act not required	-32.26672337	150.8935982
MUSWELLBROOK	Bayswater Power Station	New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.3954046	150.9502683
MUSWELLBROOK	Former Industrial Site	Lot 89 Rathmore STREET	Other Industry	Regulation under CLM Act not required	-32.30544071	150.8823657
MUSWELLBROOK	Caltex Service Station	12-16 Sydney STREET	Service Station	Regulation under CLM Act not required	-32.26785559	150.8879601
MUSWELLBROOK	Former Caltex Depot	47-50 Victoria STREET	Service Station	Regulation under CLM Act not required	-32.26788823	150.8930609
MUSWELLBROOK	Former Pit Top No. 1 Colliery Muswellbro	Corner Clendinning Street and Victoria ST	Other Industry	Regulation under CLM Act not required	-32.27031992	150.9009981
NABIAC	Caltex Service Station Nabiac	3964 Wallanbah (Cnr Wallanbah Rd and P	Service Station	Regulation under CLM Act not required	-32.09864883	152.3754346
NAMBUCCA HEADS	Former Mobil Service Station	6 Bowra STREET	Service Station	Regulation under CLM Act not required	-30.64282127	153.0035884
NARELLAN	Caltex Service Station Narellan	1 George Hunter DRIVE	Service Station	Regulation under CLM Act not required	-34.03963992	150.7432386

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NARELLAN	Former Landfill	1 Elyard STREET	Landfill	Regulation under CLM Act not required	-34.043474	150.7393256
NAROOMA	Narooma Service Station	60 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-36.21617955	150.126261
NAROOMA	Former Caltex - Narooma	82 Princes HIGHWAY	Service Station	Contamination formerly regulated under	-36.21711766	150.1279305
NARRABEEN	Caltex Service Station	1509-1511 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70455756	151.2969352
NARRABEEN	Shell Coles Express Service Station	1418 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70013931	151.3002782
NARRABEEN	Narrabeen Shotgun Range Sydney Acader	Wakehurst PARKWAY	Unclassified	Ongoing maintenance required to manag	-33.72138423	151.2642798
NARRABEEN	7-Eleven Service Station	1234 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.71958892	151.298272
NARRABEEN	7-Eleven Narrabeen North	1497 Pittwater Road, corner Gondola RO/	Service Station	Regulation being finalised	-33.7078448	151.2966483
NARRABRI	Caltex Service Station	13 Doyle STREET	Service Station	Regulation under CLM Act not required	-30.3239182	149.7843052
NARRABRI	Lowes Petroleum (Former Mobil) Narrabr	3 Old Gunnedah ROAD	Other Petroleum	Regulation under CLM Act not required	-30.33473586	149.789587
NARRABRI	Caltex Service Station	31-35 Cooma ROAD	Service Station	Regulation under CLM Act not required	-30.33968576	149.7657241
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	12 Reid STREET	Other Petroleum	Regulation under CLM Act not required	-30.32282764	149.7901182
NARRABRI	Cargill Soapstock Disposal Site	Westport ROAD	Unclassified	Contamination formerly regulated under	-30.4698458	149.6981931
NARRABRI	Caltex Service Station	7-13 James STREET	Service Station	Regulation under CLM Act not required	-30.33016168	149.7940732
NARRANDERA	Former Mobil Narrandera Depot	24 Whitton STREET	Other Petroleum	Regulation under CLM Act not required	-34.7410523	146.5620667

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NARRANDERA	Former Mobil Emoleum Narrandera Depo	5-7 Margaret STREET	Other Petroleum	Regulation under CLM Act not required	-34.74105391	146.5628144
NARROMINE	Narromine Fuel (Former Caltex) Service S	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 or	Unclassified	Contamination currently regulated under	-35.64392469	150.0955224
NELLIGEN	Lot 2 Old Bolaro Road	Old Bolaro ROAD	Unclassified	Contamination formerly regulated under	-35.64485609	150.0937341
NELSON BAY	Shell Coles Express Service Station	25 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72265762	152.1437317
NELSON BAY	Former Caltex Service Station Nelson Bay	38 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72335662	152.1429384
NEMINGHA	Caltex Service Station and Depot Neming	428 Armidale (previously 16 New England	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	Caltex Service Station New Lambton	144 Bridges ROAD	Service Station	Regulation under CLM Act not required	-32.93283668	151.7141748
NEW LAMBTON	BP Service Station	105 St James ROAD	Service Station	Regulation under CLM Act not required	-32.92910325	151.7155801
NEW LAMBTON	7-Eleven (former Mobil) Service Station	291 Turton ROAD	Service Station	Regulation under CLM Act not required	-32.91773864	151.7243096
NEWCASTLE	Reclaimed Land	26-28 Honeysuckle DRIVE	Unclassified	Contamination formerly regulated under	-32.92604705	151.7649508
NEWCASTLE	Wharf Road Newcastle Car Park	313-317 Wharf ROAD	Unclassified	Regulation under CLM Act not required	-32.92570385	151.7744076
NEWCASTLE	Newcastle Foreshore	40 Stevenson Place STREET	Other Industry	Regulation under CLM Act not required	-32.92556503	151.7876742
NEWCASTLE	SRA Land	Scott STREET	Gasworks	Regulation under CLM Act not required	-32.92641425	151.7837817

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	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	-33.89626791	151.1827556
NEWTOWN	Aluminium Enterprises	66 Brocks LANE	Metal Industry	Contamination was addressed via the pla	-33.89467126	151.1847528
NEWTOWN	Adjacent to Former Service Station	79 Wilson STREET	Service Station	Contamination formerly regulated under	-33.89630155	151.1826567
NORAVILLE	Former Toukley Landfill	Wilfred Barrett DRIVE	Landfill	Regulation under CLM Act not required	-33.27734185	151.5537784
NORTH ALBURY	Caltex Service Station and Diesel Stop	79 Union ROAD	Service Station	Regulation under CLM Act not required	-36.05496713	146.9487635
NORTH BOAMBEE VALLEY	Caltex Service Station	Cnr Pacific Hwy & Halls ROAD	Service Station	Regulation under CLM Act not required	-30.30639482	153.1007996
NORTH BONDI	Caltex Service Station North Bondi	321 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.88463526	151.268551
NORTH NARRABEEN	7-Eleven Service Station	1501-1503 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70749859	151.296351
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 STRATHFIELD	Budget Service Station	143 Concord ROAD	Service Station	Regulation under CLM Act not required	-33.85945248	151.0927853

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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 STRE	Gasworks	Contamination formerly regulated under	-33.842724	151.2174523
NORTH SYDNEY	Sub Base Platypus (previously HMAS Platy	High STREET	Gasworks	Contamination formerly regulated under	-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	Former Prestige Plastics	1C Redbank ROAD	Other Industry	Regulation under CLM Act not required	-33.79716925	150.989926
NORTHMEAD	Coles Express Service Station Northmead	197 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.77741733	151.0001719
NORTHMEAD	Sydney Water Land	51c Hammers ROAD	Landfill	Regulation under CLM Act not required	-33.7887535	150.9858088
NORTHMEAD	Caltex Service Station	98-100 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.78786563	150.9945909
NORTHMEAD	7-Eleven Service Station Northmead	56 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.79090731	150.9967332
NOWRA	Former Gasworks Managers Residence	24 Osborne STREET	Gasworks	Regulation under CLM Act not required	-34.8708875	150.5992586
NOWRA	Fire Station	69 Bridge ROAD	Gasworks	Regulation under CLM Act not required	-34.87081582	150.6004881
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	Former gasworks	Lamonds LANE	Gasworks	Contamination currently regulated under	-34.87111182	150.6000803
NOWRA	Former Hollingworth Scrap Yard	72-74 Jervis and 117 East STREET	Other Industry	Regulation under CLM Act not required	-34.88324216	150.6034361

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NOWRA	Woolworths Service Station	60 North Street STREET	Service Station	Regulation under CLM Act not required	-34.87266278	150.6014052
NOWRA	Harry Sawkins Park	Bounded by Princes Hwy, Graham St & M	Gasworks	Regulation under CLM Act not required	-34.87093993	150.6037157
NOWRA EAST	Mobil Service Station	Lot 3 Kalandar STREET	Service Station	Contamination formerly regulated under	-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	Under assessment	-31.567395	147.206212
OAK FLATS	Shellharbour City Works Depot	132 Industrial ROAD	Other Industry	Regulation under CLM Act not required	-34.56546013	150.8087225
OBERON	Caltex Service Station and Depot	Lowes Mount ROAD	Service Station	Regulation under CLM Act not required	-33.69509055	149.8570553
OBERON	Oberon Timber Complex	Lowes Mount ROAD	Other Industry	Regulation under CLM Act not required	-33.69264862	149.8564588
OBERON	Former Shell Depot	32 O'Connell ROAD	Other Petroleum	Regulation under CLM Act not required	-33.6997172	149.8450057
OBERON	CSR Ltd Property and King's Stockyard Cre	Off Endeavour STREET	Other Industry	Contamination formerly regulated under	-33.6922152	149.8686909
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
ORANGE	Former Fuel Depot	24-28 Peisley STREET	Other Petroleum	Contamination currently regulated under	-33.29624293	149.1017277
ORANGE	Caltex Orange Depot	184 Byng STREET	Service Station	Regulation under CLM Act not required	-33.28285589	149.1050273
ORANGE	Woolworths Orange Service Station	357-361 Summer Street, corner William S	Service Station	Regulation under CLM Act not required	-33.28445811	149.1053604

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ORANGE	BP Orange Service Station (Reliance Petro	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 Summer Street Service Station Ora	70-74 Summer Street, corner Hill STREET	Service Station	Regulation under CLM Act not required	-33.28311722	149.0940712
ORANGE	Lowes Petroleum (BP-branded) Service St	76 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.29025034	149.1027194
ORANGE	Former Mobil Service Station	24-28 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.2866912	149.1066505
ORANGE	BP (Reliance Petroleum) Service Station C	56-60 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.28980053	149.1086212
ORANGE	Former Mobil Service Station	168 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.28525478	149.1037259
ORANGE	5-7 Edward St Orange	5-7 Edward STREET	Other Industry	Contamination currently regulated under	-33.2991077	149.1034092
OURIMBAH	Palmdale Service Centre Pty Ltd	3130 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3381336	151.374586
OURIMBAH	United Ourimbah	51 Pacific HIGHWAY	Service Station	Under assessment	-33.36025941	151.3694483
OURIMBAH	Shell Coles Express Service Station	78-80 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3468202	151.3710098
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	-34.00934475	151.0758626
OYSTER COVE	Cove Marine Pty Ltd	60 Frederick STREET	Unclassified	Contamination currently regulated under	-32.73549959	151.952446
PADDINGTON	7-Eleven Service Station	59 Oxford STREET	Service Station	Contamination currently regulated under	-33.88322921	151.2205024
PADDINGTON	Former Workshop	52 Hopewell STREET	Other Industry	Regulation under CLM Act not required	-33.88195798	151.2220744

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PADSTOW	Caltex Padstow	115 Fairford ROAD	Service Station	Regulation under CLM Act not required	-33.9434571	151.0345671
PADSTOW	Selleys / Dulux	1-29 Gow STREET	Chemical Industry	Regulation under CLM Act not required	-33.93904125	151.0381725
PADSTOW	Former Exide Battery Manufacturing & Re	55 Bryant STREET	Other Industry	Contamination currently regulated under	-33.94265241	151.0378986
PADSTOW	Galvatech	49 Gow STREET	Metal Industry	Contamination currently regulated under	-33.93808679	151.0346862
PADSTOW	Foseco Australia	7 Stuart STREET	Chemical Industry	Regulation under CLM Act not required	-33.94342957	151.0377316
PADSTOW	Sebel Furniture	Parts 64 and 92 Gow STREET	Other Industry	Regulation under CLM Act not required	-33.93606752	151.0322057
PAGEWOOD	Former Email Site	Corner of Page Street and Holloway STRE	Metal Industry	Contamination currently regulated under	-33.94302462	151.2132036
PAMBULA	Offsite area (roadways) adjacent to Unite	Corner Quondola Street and Bullara STRE	Service Station	Regulation under CLM Act not required	-36.93104481	149.8746763
PARKES	Caltex Service Station Parkes	352-360 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13317454	148.173643
PARKES	Former Caltex Parkes (Mugincoble) Depo	Eugowra ROAD	Service Station	Regulation under CLM Act not required	-33.19007031	148.224822
PARKES	BP Truckstop	(Newell Highway) 1 Forbes ROAD	Other Petroleum	Regulation under CLM Act not required	-33.14309226	148.1710282
PARKES	Former BP Telescope Service Station	339-341 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13216152	148.1743239
PARKES	BP Reliance East End Service Station Park	46 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.14243539	148.1846227
PARKES	Former Parkes Gas Works (including Rail	129 Woodward Street and land within the	Gasworks	Contamination currently regulated under	-33.14480316	148.1844397
PARKLEA	Caltex Parklea Service Station	Old Windsor (north of Miami Street) ROA	Service Station	Regulation under CLM Act not required	-33.72427108	150.9388531
PARRAMATTA	BP Service Station	435 Church STREET	Service Station	Regulation under CLM Act not required	-33.80498714	151.0056151

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PARRAMATTA	Coleman Oval Embankment	Cnr of Pitt STREET and Maquarie STREET	Unclassified	Regulation under CLM Act not required	-33.80441625	150.9954841
PARRAMATTA	7-Eleven (former Mobil) Service Station	81 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80919769	151.0142894
PARRAMATTA	Parramatta Park Toilet Block Demolition	The Cresent Toilet Block Parramatta PARK	Unclassified	Regulation under CLM Act not required	-33.81054034	150.9961968
PAUPONG	Former Timber Treatment Plant	Off Paupong ROAD	Other Industry	Regulation under CLM Act not required	-36.57657408	148.6624998
PENDLE HILL	7-Eleven Service Station	217 Wentworth AVENUE	Service Station	Regulation under CLM Act not required	-33.8017814	150.9577994
PENNANT HILLS	Shell Coles Express Pennant Hills West	386 Pennant Hills ROAD	Service Station	Contamination currently regulated under	-33.73928611	151.0679704
PENRITH	Mirvac Industrial Site	2101 Castlereagh ROAD	Other Industry	Regulation under CLM Act not required	-33.73497514	150.6954097
PENRITH	7-Eleven (former Mobil) Service Station	212-222 Andrews ROAD	Service Station	Regulation under CLM Act not required	-33.73059678	150.6952571
PENRITH	Lowes Petroleum (Former Mobil) Depot P	174 Coreen AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.74484268	150.6980504
PENRITH	Caltex Service Station	Castlereagh Rd Cnr Lugard STREET	Service Station	Regulation under CLM Act not required	-33.73426843	150.6933382
PENRITH	BP Express Service Station	Corner Coreen Avenue and Castlereagh R	Service Station	Regulation under CLM Act not required	-33.74385498	150.6925743
PENRITH	Crane Enfield Metals	Castlereagh ROAD	Metal Industry	Ongoing maintenance required to manag	-33.73734959	150.696442
PENRITH	7-Eleven Service Station Penrith	30 Henry STREET	Service Station	Regulation under CLM Act not required	-33.75408799	150.7045594
PENRITH	Caltex Penrith Service Station	153 Coreen AVENUE	Service Station	Regulation under CLM Act not required	-33.74287244	150.6927071
PENRITH	Jet 60 Dry Cleaners	Shop 3 134-138 Henry STREET	Unclassified	Regulation under CLM Act not required	-33.75231953	150.6964541
PENRITH	Former Dry Cleaners	Shop 3, 134-138 Henry STREET	Other Industry	Regulation under CLM Act not required	-33.752372	150.696451

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PENSHURST	7-Eleven Service Station	612 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.96153533	151.0793525
PENSHURST	Caltex Service Station	641 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.95985335	151.0891118
PERISHER VALLEY	Perisher Centre Loading Dock	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.40392862	148.4111593
PERISHER VALLEY	Perisher Ski Resort	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.41106374	148.4005469
PETERSHAM	Fanny Durack Aquatic Centre	Station STREET	Unclassified	Regulation under CLM Act not required	-33.89194583	151.151824
PHEASANTS NEST	7-Eleven Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28291571	150.6394606
PHEASANTS NEST	7-Eleven (former Mobil) Service Station	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28303112	150.6363145
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	Under preliminary investigation order	-33.57418268	150.8811385
PLUMPTON	Woolworths Service Station Plumpton (Pl	260 Jersey ROAD	Service Station	Regulation under CLM Act not required	-33.74478874	150.8369408
PORT BOTANY	Vopak B	20 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97946548	151.2121752
PORT BOTANY	Vopak A	49 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97426175	151.2206228
PORT BOTANY	Terminals	45 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97609287	151.2174402
PORT BOTANY	Bunnerong Canal	Between Brotherson Dock and Bumborah	Unclassified	Regulation under CLM Act not required	-33.96798227	151.2230052
PORT BOTANY	Bulk Liquids Berth UPSS, Port Botany	Charlotte ROAD	Other Petroleum	Regulation under CLM Act not required	-33.97386329	151.2120157

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT BOTANY	Port Operations Centre UPSS, Port Botany	Penrhyn ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96803686	151.2205968
PORT BOTANY	Port Botany Railway Corridors	Friendship ROAD	Other Industry	Regulation under CLM Act not required	-33.95467008	151.2178012
PORT BOTANY	Smith Bros	4 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.9681757	151.2239505
PORT BOTANY	Vopak Terminals	21 Fishburn ROAD	Other Industry	Under assessment	-33.97783024	151.2113674
PORT KEMBLA	Coates Hire Facility (Eastern Portion)	1 Flinders STREET	Other Industry	Regulation under CLM Act not required	-34.47104817	150.89162
PORT KEMBLA	Shell Port Kembla CVRO	87-89 Flinders STREET	Other Petroleum	Regulation under CLM Act not required	-34.46964995	150.8953859
PORT KEMBLA	Darcy Road Rail Sidings	Darcy ROAD	Other Industry	Regulation under CLM Act not required	-34.47792834	150.9105503
PORT KEMBLA	No 2 Steelworks	Five Islands ROAD	Metal Industry	Contamination formerly regulated under	-34.45965024	150.8844432
PORT KEMBLA	Port Kembla Orica	Foreshore Road and Darcy ROAD	Other Industry	Contamination currently regulated under	-34.47773583	150.9054545
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	South Yard Rail Sidings	Lot 3 Old Port ROAD	Unclassified	Regulation under CLM Act not required	-34.47500551	150.8951759
PORT KEMBLA	Manildra Park	Flinders STREET	Other Petroleum	Contamination formerly regulated under	-34.46946878	150.8935731
PORT KEMBLA	Port Kembla Copper Smelter	Military ROAD	Metal Industry	Contamination currently regulated under	-34.4810006	150.9063426
PORT KEMBLA	Caltex Service Station	16 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.47058088	150.8945864
PORT KEMBLA	BHP Area 21	Springhill ROAD	Metal Industry	Contamination formerly regulated under	-34.45244614	150.8676517
PORT KEMBLA	Port Kembla Steelworks Recycling Area	Springhill ROAD	Unclassified	Regulation under CLM Act not required	-34.45271181	150.8677127

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT KEMBLA	Commonwealth Rolling Mills (CRM)	Old Port ROAD	Metal Industry	Regulation under CLM Act not required	-34.47476117	150.8974746
PORT KEMBLA	Port Kembla, Former Electricity Commissi	Old Port Road/Christie Drive ROAD	Other Industry	Regulation under CLM Act not required	-34.46899143	150.8982854
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 - No.1 Works Site	Five Islands ROAD	Metal Industry	Regulation under CLM Act not required	-34.47386606	150.8794912
PORT KEMBLA	Port Kembla Springhill Works	Springhill ROAD	Metal Industry	Regulation under CLM Act not required	-34.45574479	150.875052
PORT MACQUARIE	Former Mobil Depot	211 Lake ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44688513	152.8864499
PORT MACQUARIE	Caltex Service Station	112-114 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.43491709	152.9047618
PORT MACQUARIE	Caltex Port Macquarie Service Station	29 Lord STREET	Service Station	Regulation under CLM Act not required	-31.43326436	152.9169873
PORT MACQUARIE	Coles Myer	43 John Oxley DRIVE	Service Station	Regulation under CLM Act not required	-31.45741442	152.8739626
PORT MACQUARIE	Air BP Avgas Facility	Oliver DRIVE	Other Petroleum	Regulation under CLM Act not required	-31.43227222	152.8681083
PORT MACQUARIE	Former Mobil Service Station	Corner Oxley Highway and Major Innes D	Service Station	Regulation under CLM Act not required	-31.45738931	152.873956
PORT MACQUARIE	Port Macquarie Council Depot	Koala STREET	Unclassified	Regulation under CLM Act not required	-31.45341586	152.9032764
PORT MACQUARIE	Shell Coles Express Port Macquarie Servic	121 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.4343131	152.9046869
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
PROSPECT	7-Eleven (former Mobil) Service Station P	354 Flushcombe ROAD	Service Station	Regulation under CLM Act not required	-33.79541624	150.9049417
PROSPECT	Pincott's Cottage, Gate C1	Off Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81589773	150.9144343
PROSPECT	Gatehouse, 544 Reservoir Road	544 Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81026272	150.9160605
PROSPECT	Cottage 3, William Lawson Drive	William Lawson DRIVE	Unclassified	Regulation under CLM Act not required	-33.81490331	150.9149885
PUNCHBOWL	Former BP Service Station	1375 Canterbury Road, corner Victoria RO	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	-33.93582701	151.0562638
PUNCHBOWL	Caltex Service Station Punchbowl	1285-1289 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.93146308	151.0596348
PUTNEY	Putney Marina	20 Waterview STREET	Other Industry	Regulation under CLM Act not required	-33.82608091	151.1003966
PYMBLE	Caltex Service Station	1089 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74102977	151.1385257
PYMBLE	Shell Coles Express Service Station	21 Ryde ROAD	Service Station	Regulation under CLM Act not required	-33.75198512	151.1438115
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
PYRMONT	Former Council Works Depot (Fig and Wa	14-26 Wattle STREET	Other Industry	Regulation under CLM Act not required	-33.8752655	151.1942645

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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) Serv	450 Quakers Hill PARKWAY	Service Station	Regulation under CLM Act not required	-33.72998613	150.9023617
QUEANBEYAN	Former Mobil Service Station	153 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34425514	149.2148687
QUEANBEYAN	Bill Lilley Automotive	169 Crawford STREET	Service Station	Regulation under CLM Act not required	-35.35138121	149.232486
QUEANBEYAN	Woolworths Queanbeyan Service Station	196 Crawford (Cnr Morisset St) STREET	Service Station	Regulation under CLM Act not required	-35.35163055	149.2335759
QUEANBEYAN	Caltex Queanbeyan Service Station	88 Macquoid (also known as Bungendore	Service Station	Regulation under CLM Act not required	-35.34930535	149.2438607
QUEANBEYAN	Former Mobil Emoleum Depot	109-111 High STREET	Other Petroleum	Regulation under CLM Act not required	-35.3396115	149.237556
QUEANBEYAN	Former Caltex Depot	20-30 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-35.34187485	149.2247277
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)	Service Station	Regulation under CLM Act not required	-35.36372923	149.2067531
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 N	Service Station	Under assessment	-31.50179204	150.6814611
QUIRINDI	Caltex Service Station, Quirindi	199-201 George STREET	Service Station	Regulation under CLM Act not required	-31.5068778	150.6805874
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	-33.92096152	151.2355927
RANDWICK	Caltex Service Station	2 Alison ROAD	Service Station	Regulation under CLM Act not required	-33.9065752	151.2320697

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-33.90655015	151.2525065
RAVENSWORTH	Ravensworth Operations Narama Mine	Lemington ROAD	Other Industry	Regulation under CLM Act not required	-32.47115903	151.0359579
RAVENSWORTH	Cumnock Colliery	Pikes Gully ROAD	Other Industry	Regulation under CLM Act not required	-32.40218281	150.9960082
RAYMOND TERRACE	Shell Coles Express Raymond Terrace	107 Adelaide (formerly Pacific Highway) S	Service Station	Regulation under CLM Act not required	-32.76110922	151.7492847
RAYMOND TERRACE	Caltex Service Station Raymond Terrace	136 Adelaide Street, corner Glenelg STRE	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	22 Elizabeth AVENUE	Other Industry	Regulation under CLM Act not required	-32.7745339	151.7498871
REDFERN	BP Service Station	116 Regent STREET	Service Station	Regulation under CLM Act not required	-33.89367876	151.1995256
REDFERN	Former Printing Works	101a Marriott STREET	Other Industry	Regulation under CLM Act not required	-33.89512556	151.2113422
REDFERN	BP-branded Jasbe Surry Hills	411 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89183974	151.2132466
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	Dorf Clark Industries	184-194 Milperra ROAD	Metal Industry	Regulation under CLM Act not required	-33.93387149	151.000553
REVESBY	Thetis Pty Ltd - Bituminous Products	33-35 Violet STREET	Chemical Industry	Contamination currently regulated under	-33.93702092	151.0067896
REVESBY	Mirotone Pty Ltd	21 Marigold STREET	Chemical Industry	Contamination currently regulated under	-33.93559608	151.0002207
REVESBY	Caltex Service Station Revesby	181 The River ROAD	Service Station	Regulation under CLM Act not required	-33.95573605	151.0171779

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RHODES	Homebush Bay Sediments adjoining the f	Homebush BAY	Chemical Industry	Ongoing maintenance required to manag	-33.8263749	151.0839216
RHODES	Former Glad factory site	10-16 Marquet STREET	Chemical Industry	Regulation under CLM Act not required	-33.82884048	151.0848716
RHODES	Former Allied Feeds site	Walker STREET	Other Industry	Contamination formerly regulated under	-33.82465376	151.0870401
RHODES	Former UCAL site	Walker STREET	Chemical Industry	Ongoing maintenance required to manag	-33.82727505	151.0853195
RHODES	Homebush Bay sediments adjoining form	Oulton AVENUE	Chemical Industry	Contamination currently regulated under	-33.83535308	151.083238
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	Axalta Coating Systems	15-23 Melbourne ROAD	Other Industry	Regulation under CLM Act not required	-33.6636649	150.8557519
RIVERSTONE	7-Eleven Riverstone	55 Garfield ROAD	Service Station	Regulation under CLM Act not required	-33.67802232	150.8635246
RIVERSTONE	Woolworths Vineyard Service Station, Riv	1 Woodland Street, corner of Windsor RO	Service Station	Regulation under CLM Act not required	-33.65607641	150.8724067
RIVERSTONE	Vacant Commercial Land	88-94 Junction ROAD	Unclassified	Regulation under CLM Act not required	-33.66226398	150.8789967
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROOTY HILL	Infrabuild NSW Pty Ltd (formerly OneStee	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	-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 currently regulated under	-33.92302898	151.2059541
ROSEBERY	Former Industrial Site (Former Electroplat	108 Dunning AVENUE	Other Industry	Regulation under CLM Act not required	-33.91630811	151.201557
ROSEBERY	Rosebery Service Station	395 Gardeners ROAD	Service Station	Contamination formerly regulated under	-33.92246784	151.2024589
ROSEHILL	James Hardie Australia and former James	8 and 10 Colquhoun Street and 5 Devon S	Landfill	Ongoing maintenance required to manag	-33.82539019	151.0339466
ROSEHILL	2 Ritchie Street, Rosehill	2 Ritchie STREET	Unclassified	Contamination formerly regulated under	-33.82691192	151.0154948
ROSEHILL	James Hardie Factory (former, western pc	181 James Ruse DRIVE	Other Industry	Ongoing maintenance required to manag	-33.81605834	151.0238145
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	218 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.93303118	151.0735036
ROSELANDS	7-Eleven (former Mobil) Service Station	91 Canary's ROAD	Service Station	Regulation under CLM Act not required	-33.93356078	151.0736274
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	Caltex Service Station	121 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.86252996	151.168497

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	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
ROZELLE	BP Service Station	Corner Darling Street and Thornton STREE	Service Station	Regulation under CLM Act not required	-33.8591647	151.1716591
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	-33.87351297	151.2345082
RUTHERFORD	Rutherford Transpacific	11 Kyle STREET	Other Industry	Regulation under CLM Act not required	-32.71105203	151.500311
RUTHERFORD	Shell Coles Express Service Station Ruther	118 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7208703	151.5394595
RUTHERFORD	Caltex Service Station	134-138 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7202589	151.5381526
RUTHERFORD	Transpacific Industrial Services/Nationwic	99 Kyle STREET	Chemical Industry	Regulation under CLM Act not required	-32.71262159	151.5013865
RYDALMERE	Caltex Service Station	309 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81196193	151.0371185
RYDALMERE	Mitsubishi Electric	348 Victoria ROAD	Other Industry	Contamination currently regulated under	-33.81040138	151.0392812
RYDALMERE	Rheem Australia	1 Alan STREET	Other Industry	Contamination formerly regulated under	-33.81545013	151.0295476
RYDALMERE	BP Service Station	265 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8109483	151.0328101
RYDALMERE	Hunter Douglas	Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81009112	151.0384732
RYDALMERE	United Petroleum (former 7-Eleven) Servi	262-272 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81006724	151.032377

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RYDE	Shell Coles Express Ryde	45 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80726028	151.109981
RYDE	Caltex Service Station	110 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80142973	151.1137925
RYDE	7-Eleven (former Mobil) Service Station	326-328 Blaxland ROAD	Service Station	Regulation under CLM Act not required	-33.80242183	151.1004278
RYDE	Ryde Bus Depot	51 - 75 Buffalo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.81679771	151.1225255
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	-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	-33.99245122	151.1323571
SANS SOUCI	Kendall Street Reserve	Lawson Street and Kendall STREET	Landfill	Under preliminary investigation order	-33.99966431	151.13005
SANS SOUCI	Former Service Station	542-544 Rocky Point ROAD	Service Station	Contamination was addressed via the pla	-33.99376148	151.1316131
SANS SOUCI	Former 7-Eleven Ramsgate	368 Rocky Point ROAD	Service Station	Contamination formerly regulated under	-33.98615125	151.1359961
SCHOFIELDS	Reserve 478, Grange Avenue, Schofields	Reserve 478, Grange AVENUE	Landfill	Under assessment	-33.703113	150.847815
SCONE	Shell Coles Express Service Station	91- 93 Kelly STREET	Service Station	Contamination currently regulated under	-32.04715941	150.8676346
SCONE	Scone Works Depot	220 Susan STREET	Other Petroleum	Regulation under CLM Act not required	-32.04444892	150.879152
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	BP - Former Depot	Scone St, Guernsey St & Susan STREET	Service Station	Contamination formerly regulated under	-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	Regulation being finalised	-32.04378	150.866303
SEVEN HILLS	7-Eleven (Former Mobil) Service Station S	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	Car Park (Former Brickworks / Warehouse	1 Powers ROAD	Other Industry	Regulation under CLM Act not required	-33.77387442	150.9379787
SEVEN HILLS	BP-branded Jasbe Petroleum Service Stat	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	Former Australian Waste Oil Refineries Si	27 Powers ROAD	Other Industry	Contamination formerly regulated under	-33.77536127	150.9511122
SHELLY BEACH	Former Shelly Beach Landfill	Oaks AVENUE	Landfill	Regulation under CLM Act not required	-33.36700551	151.4913631
SHORTLAND	Former Astra Street Landfill	2 (part) & 28 (part) Astra STREET	Landfill	Contamination currently regulated under	-32.8689426	151.6974685
SHORTLAND	Tuxford Park landfill	10 King STREET	Landfill	Regulation under CLM Act not required	-32.87721139	151.6936837
SHORTLAND	Former Lorna St landfill	8/475 Sandgate ROAD	Landfill	Regulation under CLM Act not required	-32.87888726	151.7023245
SHORTLAND	7-Eleven (Former BP) Service Station	298-302 Sandgate ROAD	Service Station	Regulation under CLM Act not required	-32.8861645	151.6953912
SHORTLAND	Shortland Wastewater Treatment Works	Aden STREET	Other Industry	Under assessment	-32.887149	151.687106

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SHORTLAND	Shortland Wastewater Treatment Works	Aden STREET	Other Industry	Under assessment	-32.887149	151.687106
SILVERWATER	Former Silverwater Landfill	Carnarvon ROAD	Landfill	Contamination currently regulated under	-33.83506394	151.033214
SILVERWATER	Vacant property	103-105 Silverwater ROAD	Other Industry	Regulation under CLM Act not required	-33.83831374	151.0472576
SILVERWATER	Storage Facility	54-58 Derby STREET	Unclassified	Under assessment	-33.83855869	151.0478649
SILVERWATER	Former Printing Facility	46-58 Derby STREET	Other Industry	Under assessment	-33.83866058	151.0482675
SILVERWATER	Silverwater Correctional Complex	Holker STREET	Landfill	Regulation under CLM Act not required	-33.83123611	151.0585298
SINGLETON	BP Service Station Singleton	53 George (Cnr Macquarie St) STREET	Other Petroleum	Regulation under CLM Act not required	-32.56182325	151.1748054
SINGLETON	Singleton Gasworks	55-57 John STREET	Gasworks	Contamination formerly regulated under	-32.56774715	151.1658188
SINGLETON	Shell Coles Express Service Station	69-73 George STREET	Service Station	Regulation under CLM Act not required	-32.56297156	151.1755215
SINGLETON	Mobil Singleton Airport Elt	74B Range ROAD	Other Petroleum	Regulation under CLM Act not required	-32.60270846	151.1944828
SINGLETON	Putty Saw Mill	(via Singleton) Putty ROAD	Other Industry	Contamination currently regulated under	-32.99958725	150.7111684
SINGLETON	NSW Mines Rescue Services - Singleton	6 Lachlan AVENUE	Other Industry	Regulation under CLM Act not required	-32.54537821	151.156584
SMITHFIELD	Caltex Smithfield	16-18 Tait STREET	Service Station	Regulation under CLM Act not required	-33.84596441	150.9435497
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
SMITHFIELD	Coles Express (former Mobil) Service Stat	678 The Horsley Drive, corner Smithfield I	Service Station	Regulation under CLM Act not required	-33.85376154	150.9400104

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SMITHFIELD	Former Landfill	Little STREET	Landfill	Contamination being managed via the pla	-33.85025253	150.9411561
SOUTH ALBURY	BP Border Service Station	Corner Ebden Street and Wodonga PLACE	Service Station	Contamination formerly regulated under	-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	Shell Coles Express Service Station	91 Bent STREET	Service Station	Regulation under CLM Act not required	-29.70605829	152.9400329
SOUTH GRAFTON	Former United (former Mobil) Service Sta	Corner Pacific Highway and Charles STREE	Service Station	Regulation under CLM Act not required	-29.70814828	152.9412928
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 Caltex Depot South Grafton	72-82 Swallow ROAD	Other Petroleum	Regulation under CLM Act not required	-29.73168549	152.944024
SOUTH GRAFTON	Caltex Service Station	Pacific Hwy Cnr Gwyder HIGHWAY	Service Station	Regulation under CLM Act not required	-29.70739015	152.9425508
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	North Coast Petroleum (Former Mobil) De	19-21 Elliot ROAD	Other Petroleum	Regulation under CLM Act not required	-28.81212046	153.2661935
SOUTH LISMORE	Former Mobil Service Station	126 - 128 Union STREET	Service Station	Regulation under CLM Act not required	-28.81242175	153.267541
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 MURWILLUMBAH	Former Caltex Depot	39 Lundberg DRIVE	Service Station	Regulation under CLM Act not required	-28.332622	153.4212884

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SOUTH MURWILLUMBAH	Caltex Service Station	1-7 Buchanan (Cnr Tweed Valley Way) ST	Service Station	Regulation under CLM Act not required	-28.32687988	153.4093274
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	Coles Express Tamworth	251 - 253 Goonoo Goonoo ROAD	Service Station	Contamination currently regulated under	-31.1118945	150.9228523
SOUTH TAMWORTH	Caltex Service Station	2 Kathleen Street, corner Kent STREET	Service Station	Regulation under CLM Act not required	-31.10361712	150.9186343
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 Trial Bay Caltex Depot	Phillip DRIVE	Other Petroleum	Regulation under CLM Act not required	-30.89190078	153.0573056
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	Residential area and Reserve opposite Fo	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
ST IVES	7-Eleven (former Mobil) St Ives Service St	157-159 Mona Vale Road, corner Putarri A	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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-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	Former Woolworths Service Station	120-128 Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75525115	150.7752897
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	Solveco	38 LINKS ROAD	Other Industry	Contamination currently regulated under	-33.73875413	150.7716457
ST MARYS	Integral Energy Mt Druitt Transmission Su	69 Kurrajong North ROAD	Other Industry	Regulation under CLM Act not required	-33.76376093	150.7921691
ST MARYS	Caltex St Marys Service Station	Wordoo St Cnr Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75334263	150.7755489
ST MARYS	Chemcolour Industries	19-25 Anne STREET	Chemical Industry	Regulation under CLM Act not required	-33.75027071	150.7725397
ST MARYS	Old Drycleaning location	1-7 Queen STREET	Other Industry	Under assessment	-33.76223376	150.774412
ST MARYS	St Mary's Shopping Village	10 Charles Hackett DRIVE	Other Industry	Regulation under CLM Act not required	-33.76647672	150.7710143
ST PETERS	Cooks River Rail Terminal	20 Canal ROAD	Unclassified	Regulation under CLM Act not required	-33.91943986	151.1726689
ST PETERS	Camdenville Park	May STREET	Other Industry	Regulation under CLM Act not required	-33.90911815	151.176951
ST PETERS	Former Tidyburn Facility	53 Barwon Park ROAD	Chemical Industry	Contamination formerly regulated under	-33.9130091	151.1809912
ST PETERS	BP Express Service Station	2 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90982281	151.1809936

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ST PETERS	Former Industrial Manufacturing Facility (	75 Mary STREET	Other Industry	Regulation under CLM Act not required	-33.91307297	151.1731383
ST PETERS	Burrows Industrial Estate	1-3 Burrows ROAD	Landfill	Regulation under CLM Act not required	-33.917241	151.180902
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) Serv	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	-33.891896	151.137347
SURRY HILLS	Woolworths Petrol Surry Hills	475 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89223271	151.2161434
SURRY HILLS	Former Legion Cabs (Trading) Cooperative	81 & 81A (Formerly 69 - 81) Foveaux STR	Service Station	Regulation under CLM Act not required	-33.88470082	151.2107944
SURRY HILLS	Ausgrid Road Reserve	Mary STREET	Other Industry	Regulation under CLM Act not required	-33.88292195	151.2095176
SUTHERLAND	United Service Station and Sutherland Re	1 to 3 Oxford STREET	Service Station	Contamination currently regulated under	-34.029532	151.0579906
SUTHERLAND	7-Eleven Service Station	693 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.02976735	151.0588789
SUTTON FOREST	Coles Express Sutton Forest West	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.60808989	150.2250592

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Interpro House (OSP 46581)	447 Kent STREET	Other Petroleum	Regulation under CLM Act not required	-33.87225413	151.204761
SYDNEY	Eurostar Dry Cleaners	100 Oxford STREET	Chemical Industry	Regulation under CLM Act not required	-33.8792987	151.2156647
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	Haslams Creek South Area 3	At Kronos Hill, Kevin Coombes AVENUE	Landfill	Contamination formerly regulated under	-33.84113059	151.0602966
SYDNEY OLYMPIC PARK	Bicentennial Park	Bicentennial DRIVE	Landfill	Ongoing maintenance required to manag	-33.84456248	151.0788116
SYDNEY OLYMPIC PARK	Former Golf Driving Range Landfill	Sarah Durack AVENUE	Landfill	Ongoing maintenance required to manag	-33.85358517	151.0713987
SYDNEY OLYMPIC PARK	Kronos Hill Landfill	Kevin Coombes AVENUE	Landfill	Ongoing maintenance required to manag	-33.84014442	151.0649521
SYDNEY OLYMPIC PARK	Wilson Park (Former oil gas plant site)	Newington ROAD	Gasworks	Ongoing maintenance required to manag	-33.82623982	151.0536833
SYDNEY OLYMPIC PARK	Woo-la-ra Landfill	Hill ROAD	Landfill	Ongoing maintenance required to manag	-33.82695807	151.07282
SYDNEY OLYMPIC PARK	Aquatic Centre Carpark Landfill	Shane Gould AVENUE	Landfill	Ongoing maintenance required to manag	-33.85153457	151.0678127
SYDNEY OLYMPIC PARK	Blaxland Common Landfill	Jamieson STREET	Landfill	Ongoing maintenance required to manag	-33.82638382	151.05972
SYLVANIA	Caltex Service Station	61 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.0140089	151.104212

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SYLVANIA HEIGHTS	Ampol Service Station (former Caltex) - Sy	414-416 Princes HIGHWAY	Service Station	Contamination currently regulated under	-34.02361051	151.0895394
TALBINGO	Old Town Landfill	Bridle STREET	Landfill	Regulation under CLM Act not required	-35.59018237	148.3041771
TALBINGO	T3 Spoil dump and adjoining river sedime	Off Snowy Mountains HIGHWAY	Landfill	Contamination formerly regulated under	-35.6177268	148.2926158
TALBINGO	Former grit blasting site	Old Damsite ROAD	Other Industry	Regulation under CLM Act not required	-35.60894551	148.3030165
TAMINDA	Mobil Depot	9 Hinkler ROAD	Other Petroleum	Regulation under CLM Act not required	-31.09584286	150.9040493
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	Former Service Station, Fitzpatrick Super	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	-31.09574904	150.9021583
TAMWORTH	Elovera Former Sheep Dip	730 Ascot Calala ROAD	Cattle Dip	Regulation under CLM Act not required	-31.1801846	150.962897
TAMWORTH	Housing NSW	29 -33 White STREET	Other Petroleum	Regulation under CLM Act not required	-31.0915651	150.9357811
TAMWORTH	BP Tamworth Service Station and Depot	27-29 Gunnedah ROAD	Other Petroleum	Under assessment	-31.09642128	150.9058193
TAMWORTH	Former Mobil Service Station	373-375 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.10122679	150.9441341
TAMWORTH	Kensell's Mitsubishi	11-14 Kable AVENUE	Other Petroleum	Regulation under CLM Act not required	-31.08921565	150.9273063
TAMWORTH	Caltex Star Tamworth	21 White STREET	Service Station	Regulation under CLM Act not required	-31.09255137	150.9341709
TAMWORTH	Former Service Station Tamworth	(Cnr Scott Rd) 254-256 Goonoo Goonoo R	Service Station	Regulation under CLM Act not required	-31.1118945	150.9228523

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAMWORTH	Cleanaway Operations Pty Ltd	31 Gunnedah ROAD	Other Industry	Under assessment	-31.09621029	150.9051567
TAMWORTH	Elgas Depot (former gasworks)	115 Marius STREET	Gasworks	Under preliminary investigation order	-31.08546191	150.926437
TAMWORTH	Proposed ALDI Store Tamworth	194-196 Peel STREET	Other Industry	Under assessment	-31.08522053	150.9260054
TARAGO	Tarago Railway Siding	Goulburn STREET	Other Industry	Contamination currently regulated under	-35.0695949	149.6516166
TARCUTTA	Mobil Service Station	(Hume Highway) 32 Sydney STREET	Service Station	Contamination formerly regulated under	-35.2772942	147.73574
TAREE	Caltex Taree	12 Pitt STREET	Service Station	Regulation under CLM Act not required	-31.90551738	152.4783334
TAREE	Former Caltex Depot	44 Stevenson STREET	Other Petroleum	Regulation under CLM Act not required	-31.90563595	152.4640848
TAREE	Former BP Service Station (Reliance Petro	150 Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.93842026	152.4682056
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	85 Muldoon Street, corner Grey Gum RO/	Service Station	Regulation under CLM Act not required	-31.89744109	152.4508569
TAREE	Caltex Service Station	104-106 Commerce STREET	Service Station	Regulation under CLM Act not required	-31.90720519	152.4500926
TAREE	Footpath in front of the former BP service	53-55 Victoria STREET	Service Station	Regulation under CLM Act not required	-31.91015653	152.4659073
TAREN POINT	Former Oyster Farm	Part 2R Alexander Avenue and part 98 W	Other Industry	Contamination was addressed via the pla	-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	Former manufacturing site	46-50 Bay ROAD	Other Industry	Regulation under CLM Act not required	-34.0236184	151.1231649
TAREN POINT	Mangrove Lane Cycle pathway	Mangrove LANE	Unclassified	Regulation under CLM Act not required	-34.02404025	151.1324783

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAREN POINT	Caltex Service Station	114 Taren Point ROAD	Service Station	Regulation under CLM Act not required	-34.02065958	151.1218938
TAREN POINT	Shell Coles Express Service Station	99-103 Parraweena ROAD	Service Station	Regulation under CLM Act not required	-34.02630233	151.1200897
TAREN POINT	Redevelopment Site	25 Bay ROAD	Landfill	Regulation under CLM Act not required	-34.02119591	151.1274727
TELARAH	Former Ausgrid Depot	Green STREET	Other Industry	Regulation under CLM Act not required	-32.7276446	151.5269745
TELARAH	ACIRL	5 Junction STREET	Other Industry	Regulation under CLM Act not required	-32.73457183	151.5400128
TEMORA	Woolworths Caltex Temora	98-100 Hoskins STREET	Service Station	Regulation under CLM Act not required	-34.44324584	147.5318667
TEMPE	Tempe Depot	1a Gannon STREET	Other Petroleum	Regulation under CLM Act not required	-33.92408255	151.1596469
TEMPE	Caltex Service Station	775 Princes HIGHWAY	Service Station	Contamination currently regulated under	-33.9253681	151.1596532
TEMPE	Former Tempe Tip	South STREET	Landfill	Contamination currently regulated under	-33.92558642	151.1667178
TEMPE	Railcorp Site Renwick Street	Renwick STREET	Other Industry	Regulation under CLM Act not required	-33.91997709	151.1576058
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	-32.946724	151.616973
TERANIA CREEK	Former Izzards Cattle Tick Dip	Wallace ROAD	Cattle Dip	Contamination formerly regulated under	-28.65425776	153.2767438
THE ROCKS	Dawes Point Park	Hickson ROAD	Other Industry	Under assessment	-33.862753	151.20324
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) RO	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	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
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	-32.90600406	151.7586907
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 Petrole	D1300 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.01820959	150.5779687
TOONGABBIE	7-Eleven (Former Mobil) Service Station T	3 Metella ROAD	Service Station	Regulation under CLM Act not required	-33.78692357	150.9462837
TOORMINA	Caltex Service Station	2 Minorca PLACE	Service Station	Regulation under CLM Act not required	-30.35229568	153.0906606
TORONTO	Coles XP (Former Mobil) Toronto Service	133 - 137 Cary (Cnr Thorne St) STREET	Service Station	Regulation under CLM Act not required	-33.01187681	151.5930879

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TORONTO	BP Toronto Service Station	132 Cary (Cnr Donnelly Ave) STREET	Service Station	Regulation under CLM Act not required	-33.01144673	151.5937863
TORONTO	Toronto Hotel	74 Victory PARADE	Unclassified	Regulation under CLM Act not required	-33.01214835	151.5958127
TORONTO	Caltex Service Station	147 Cary STREET	Service Station	Regulation under CLM Act not required	-33.01288007	151.5928388
TORONTO	155B Brighton Avenue, Toronto NSW 228	155B Brighton AVENUE	Other Industry	Under assessment	-33.014893	151.599679
TOUKLEY	Former Shell Toukley Autoport	211 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26383791	151.5386268
TOUKLEY	7-Eleven Australia	287 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26469166	151.5462414
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	Under assessment	-35.30098337	148.1958308
TUMUT	CSR Railway cutting	Jepsen AVENUE	Unclassified	Under assessment	-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	-28.79939255	153.2193708
TUROSS HEAD	Tern Inn Restaurant (abandoned UPSS)	2 Trafalgar ROAD	Service Station	Regulation under CLM Act not required	-36.05871059	150.1308443
TURRAMURRA	7-Eleven (former Mobil) Service Station T	1408 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73326389	151.1264194

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TURRAMURRA	Woolworths Service Station	1233 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73317594	151.1313195
TURRELLA	Tulloch Australia Pty Limited	61 Turrella STREET	Chemical Industry	Contamination currently regulated under	-33.92857213	151.1475387
TWEED HEADS	Former Mobil Quix Service Station	60 MINJUNGBAL DRIVE	Service Station	Contamination formerly regulated under	-28.20143775	153.5445381
TWEED HEADS	Francis Street Road Reserve adjacent to 7	79-81 Wharf STREET	Other Petroleum	Regulation under CLM Act not required	-28.17351959	153.542262
TWEED HEADS SOUTH	Former BP Depot	142 Minjungbal DRIVE	Other Petroleum	Regulation under CLM Act not required	-28.20860702	153.5455932
TWEED HEADS SOUTH	Coles Express Service Station	Corner Minjungbal Drive and Heffron STR	Service Station	Regulation under CLM Act not required	-28.19459987	153.5419978
TWEED HEADS SOUTH	Woolworths Plus Petrol	98-102 Pacific (100 Minjungbal Drive) HIG	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	Coles Express Ulladulla	153 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36288274	150.47272
ULLADULLA	Woolworths Petrol Station	155-157 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36316263	150.4725668
ULLADULLA	Caltex Service Station	62A Deering Street, corner Princes HIGHW	Service Station	Regulation under CLM Act not required	-35.36276828	150.473578
ULTIMO	Shell Coles Express Service Station	387-429 Wattle STREET	Service Station	Regulation under CLM Act not required	-33.88138825	151.1966791
UNANDERRA	Endeavour Energy Springhill Field Service	195 Five Island ROAD	Other Industry	Regulation under CLM Act not required	-34.45837706	150.8598825
UNANDERRA	BlueScope Stainless Steel	13 Marley PLACE	Metal Industry	Contamination currently regulated under	-34.44959798	150.8571632

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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
UNANDERRA	Caltex Service Station	86-98 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.45414951	150.845165
UNANDERRA	Former Prime Service Station and adjoinir	41-49 Princes HIGHWAY	Service Station	Contamination formerly regulated under	-34.45056105	150.8490833
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 W	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	-30.50422942	153.0132011
VALENTINE	BP Express Service Station	855 Macquarie DRIVE	Service Station	Regulation under CLM Act not required	-33.00801109	151.6425806
VALENTINE	Valentine Public School	Tallawalla ROAD	Unclassified	Regulation under CLM Act not required	-33.0091613	151.6423231
VALLA	BP Nambucca Heads (Travel Centre and T	2 Corkwood ROAD	Other Industry	Regulation under CLM Act not required	-30.628108	152.972594
VILLAWOOD	Nepotian (Former Toll) Site	110A Christina ROAD	Other Industry	Under preliminary investigation order	-33.87919117	150.9812193
VILLAWOOD	Former Defence Site	29 Biloela STREET	Landfill	Regulation under CLM Act not required	-33.88782978	150.9886275
VILLAWOOD	Former Siemens/Westinghouse	49 Miowera ROAD	Other Industry	Contamination formerly regulated under	-33.87641909	150.9836746
VILLAWOOD	Former Orica Crop Care	2 Christina ROAD	Chemical Industry	Contamination currently regulated under	-33.880329	150.9896329
VILLAWOOD	PPG Industries	9 Birmingham AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.87800757	150.9887929

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
VILLAWOOD	Former Electrical Component Manufactur	66 Christina ROAD	Other Industry	Ongoing maintenance required to manag	-33.88018315	150.9838773
VILLAWOOD	Ettason Villawood Site	2A Birmingham AVENUE	Chemical Industry	Under preliminary investigation order	-33.87877335	150.9827722
VINEYARD	Shell Coles Express Service Station	731 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65780463	150.8753245
WAGGA WAGGA	Caltex Service Station	170 Fitzmaurice STREET	Service Station	Regulation under CLM Act not required	-35.10289587	147.3679002
WAGGA WAGGA	Former BP Service Station	31 Bourke STREET	Service Station	Regulation under CLM Act not required	-35.12626628	147.3547199
WAGGA WAGGA	Caltex (former Mobil) Service Station	106 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11910909	147.3682364
WAGGA WAGGA	Former Caltex Depot	60 Lake Albert DRIVE	Service Station	Regulation under CLM Act not required	-35.12316794	147.37724
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	Ashmont Autoport	Cnr Tobruk Street and Bardia STREET	Service Station	Regulation under CLM Act not required	-35.12517373	147.329919
WAGGA WAGGA	Former Caltex Service Station	343 Hammond AVENUE	Service Station	Regulation under CLM Act not required	-35.12420793	147.4157959
WAGGA WAGGA	Caltex Service Station	56 - 60 Docker St STREET	Service Station	Regulation under CLM Act not required	-35.11737947	147.3558145
WAGGA WAGGA	Former Iron Foundry	212-230 Hammond STREET	Metal Industry	Regulation under CLM Act not required	-35.12605478	147.4045461
WAGGA WAGGA	Coles Express Wagga Wagga	353-355 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11606625	147.3509339
WAGGA WAGGA	Former Wiradjuri landfill	Narrung STREET	Landfill	Under assessment	-35.09628532	147.3619535
WAGGA WAGGA	Former Gasworks	54 Chaston STREET	Gasworks	Ongoing maintenance required to manag	-35.12262069	147.3482778
WAGGA WAGGA	Former Gasworks	Cnr Tarcutta Street and Cross STREET	Gasworks	Ongoing maintenance required to manag	-35.10871183	147.3737933

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WAGGA WAGGA	BP Wagga Wagga	180 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11850802	147.3639619
WAGGA WAGGA	Former Dry Cleaning Facility	183 Fitzmaurice STREET	Other Industry	Contamination currently regulated under	-35.10209987	147.3683852
WAHROONGA	Coles Express Wahroonga	1601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71945571	151.1163002
WAHROONGA	7-Eleven Service Station	1579 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71974617	151.1168106
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	Wallerawang Power Station	1 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.40339296	150.0855101
WALLERAWANG	Lidsdale Coal Loading Facility	Main STREET	Other Industry	Regulation under CLM Act not required	-33.39996523	150.0737717
WALLSEND	Caltex Maryland Service Station Wallsend	41 Minmi ROAD	Service Station	Regulation under CLM Act not required	-32.88967866	151.6619253
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
WALLSEND	Ausgrid Wallsend Depot	Abbott STREET	Other Industry	Regulation under CLM Act not required	-32.90162796	151.6857267
WALLSEND	Cnr of Douglas Street and 111 Newcastle	111 Newcastle ROAD	Metal Industry	Regulation under CLM Act not required	-32.90416617	151.6832227
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

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WARATAH	Waratah former Gasworks	Turton and Georgetown ROADS	Gasworks	Regulation being finalised	-32.90591166	151.7272715
WARDELL	Nancy's Cattle Dip, Thurgates Lane, Ward	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 P	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	Caltex Service Station	55 King STREET	Service Station	Regulation under CLM Act not required	-32.97418806	151.6476184
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	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	-33.24732018	151.4469037
WARRAGAMBA	Warragamba Dam Viewing Platform	Eighteenth STREET	Unclassified	Regulation under CLM Act not required	-33.88545624	150.6016219
WARRAGAMBA	Megarrity's Creek Site	Weir ROAD	Unclassified	Regulation under CLM Act not required	-33.8873146	150.5967305
WARRAWONG	Caltex Service Station	75-77 King STREET	Service Station	Regulation under CLM Act not required	-34.49037817	150.888802
WARREN	Former Shell Depot	8 Dubbo STREET	Other Petroleum	Regulation under CLM Act not required	-31.69379262	147.8308088
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	-31.6943058	147.8314606
WARWICK FARM	Warwick Farm Public School	95 Lawrence Hargrave ROAD	Unclassified	Regulation under CLM Act not required	-33.90978695	150.9291852

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WATERLOO	Proposed Construction Site	2 John STREET	Other Industry	Regulation under CLM Act not required	-33.89989686	151.2010324
WATERLOO	Waverley Woollahra Process Plant	355 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9063092	151.2042672
WATERLOO	Shell Coles Express Service Station	867-877 South Dowling STREET	Service Station	Regulation under CLM Act not required	-33.90179774	151.2143789
WATERLOO	Lawrence Dry Cleaners	887-893 Bourke STREET	Unclassified	Contamination currently regulated under	-33.89897433	151.2101436
WATERLOO	Divercity Waterloo Blocks C & D and adja	1, 9, 13, 13A, 13B and 23 Archibald Avenu	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	22-24 Archibald Avenue	22-24 Archibald AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.90206938	151.2139293
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	Wauchope Service Station	57 High STREET	Service Station	Regulation under CLM Act not required	-31.45737022	152.7305018
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
WAVERTON	SRA Land	95 Bay ROAD	Unclassified	Contamination formerly regulated under	-33.83716728	151.1969497
WAVERTON	Berry's Bay Woodley's Marina	1 Balls Head DRIVE	Other Industry	Contamination formerly regulated under	-33.84441851	151.1947433
WAVERTON	Oyster Cove AGL	2 King STREET	Gasworks	Ongoing maintenance required to manag	-33.83637995	151.193541

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WEE JASPER	Wee Jasper Tavern	6499 Wee Jasper ROAD	Other Industry	Regulation under CLM Act not required	-35.10992483	148.679428
WELLINGTON	Former Caltex Service Station	124-128 Lee STREET	Service Station	Regulation under CLM Act not required	-32.55082729	148.9411537
WELLINGTON	BP Wellington Service Station	35A Maxwell STREET	Service Station	Under assessment	-32.55835121	148.9447284
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	-33.73204611	150.3874554
WENTWORTH POINT	RMS Eastern Precinct	3-7 Burroway ROAD	Other Petroleum	Regulation under CLM Act not required	-33.8233882	151.0815668
WENTWORTH POINT	Former TNT Express	23 Bennelong PARKWAY	Other Petroleum	Regulation under CLM Act not required	-33.83115118	151.0726636
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 DRI	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	-28.86374913	153.5321482
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 GOSFORD	Adcock Memorial Park	Central Coast HIGHWAY	Landfill	Contamination currently regulated under	-33.42963075	151.3273331
WEST NOWRA	Endeavour Energy Nowra Field Service Ce	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	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 RYDE	JHM Property Development	2A Mellor STREET	Other Industry	Regulation under CLM Act not required	-33.81207534	151.094598
WEST TAMWORTH	Woolworths Petrol	119 Bridge STREET	Service Station	Regulation under CLM Act not required	-31.09358262	150.9167693
WEST WYALONG	Lowes Petroleum (Former BP) Depot Wes	Compton (formerly known as Town Bypas	Other Petroleum	Regulation under CLM Act not required	-33.93440247	147.2154596
WEST WYALONG	Caltex Depot	(Wyalong By-pass Rd) Lot 1-3 Showgroun	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
WESTON	Illegal Dumping Site	Corner Kline Street & First STREET	Unclassified	Regulation under CLM Act not required	-32.81367986	151.4551507
WETHERILL PARK	Former Fuel Storage Depot	200-212 Cowpasture ROAD	Other Petroleum	Regulation under CLM Act not required	-33.84568871	150.8764012
WETHERILL PARK	Sims Wetherill Park	35-37 Frank STREET	Metal Industry	Regulation under CLM Act not required	-33.84056122	150.9086265
WETHERILL PARK	Shell Coles Express Service Station	565 Polding STREET	Service Station	Regulation under CLM Act not required	-33.8569731	150.8992804
WETHERILL PARK	Cleanaway (Formerly Nationwide Oil) We	6 Davis ROAD	Other Industry	Regulation under CLM Act not required	-33.83770038	150.9045197

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	Fairfield Sustainable Resource Centre	Corner Hassall Street and Widemere ROA	Other Industry	Under assessment	-33.839073	150.912626
WICKHAM	Caltex Terminal and "Building 33" on offsi	156 Hannell Street and 33 Annie STREET	Other Petroleum	Contamination currently regulated under	-32.9153413	151.7560062
WICKHAM	Former Warehouse	10 Dangar STREET	Unclassified	Regulation under CLM Act not required	-32.92383206	151.759761
WICKHAM	Former Factory	57 Annie STREET	Other Industry	Regulation under CLM Act not required	-32.91524827	151.7539893
WICKHAM	Railcorp Wickham	50 Railway STREET	Other Industry	Regulation under CLM Act not required	-32.9210433	151.7544687
WICKHAM	Fuchs Lubricants Wickham	2 Holland STREET	Other Industry	Contamination currently regulated under	-32.9214709	151.7556928
WILBERFORCE	Former Drum Reconditioners	12-14 Box AVENUE	Other Industry	Contamination formerly regulated under	-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	Shell Coles Express Service Station	616-626 Willoughby ROAD	Service Station	Regulation under CLM Act not required	-33.80593769	151.1988559
WILLOUGHBY	Caltex Service Station	157 Penhur STREET	Service Station	Regulation under CLM Act not required	-33.79793513	151.1981926
WILLOUGHBY	BP Willoughby Express Tower	498 Willoughby STREET	Service Station	Contamination currently regulated under	-33.81022918	151.199315
WILLOUGHBY	Bicentennial Reserve, Flat Rock Gully, Wil	Small STREET	Other Industry	Under assessment	-33.810926	151.203934

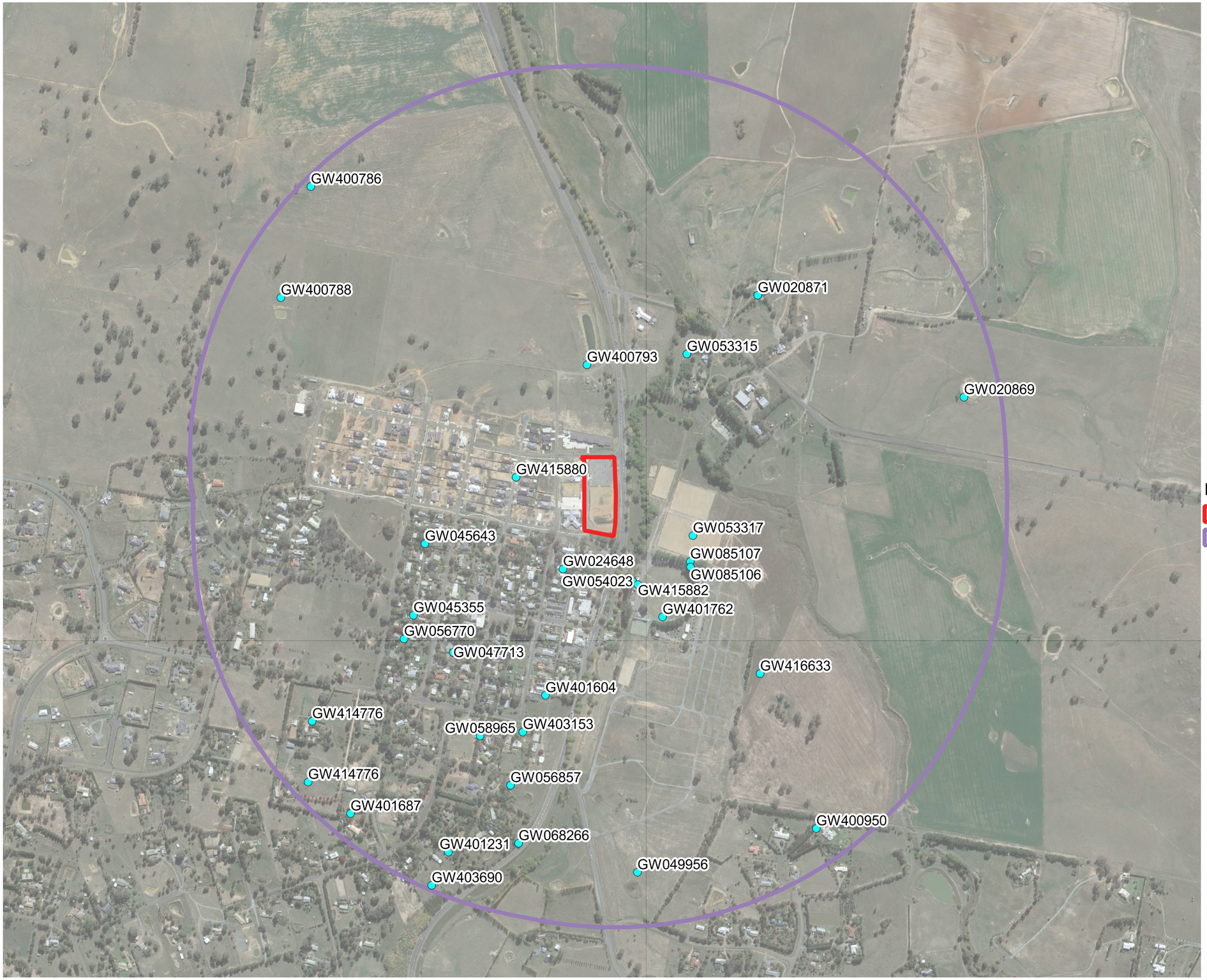
Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WILLOUGHBY EAST	Willoughby Bus Depot	Corner Ann Street and Stan STREET	Other Industry	Regulation under CLM Act not required	-33.7982569	151.2038993
WILTON	Condell Park Homestead	(Part Lot 17 DP 270536) Condell Park ROA	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	48-50 Mileham STREET	Service Station	Regulation under CLM Act not required	-33.61538627	150.8157517
WINDSOR	Woolworths (former Caltex) Service Stati	Cnr Macquarie Street & Baker STREET	Service Station	Regulation under CLM Act not required	-33.60569346	150.8232803
WINDSOR	Former Fire Station Windsor	19 Fitzgerald STREET	Other Industry	Under assessment	-33.6064873	150.8199089
WINGHAM	Former Caltex Service Station	1036-1038 Wingham ROAD	Service Station	Regulation under CLM Act not required	-31.86236594	152.3805752
WINGHAM	Bogas Service Station	Cnr Primrose Street and Isabella STREET	Service Station	Regulation under CLM Act not required	-31.86833656	152.3716346
WINMALEE	Prime Winmalee Service Station	281 Hawkesbury ROAD	Service Station	Regulation under CLM Act not required	-33.68223276	150.5997203
WIRLINGA	Former Liquid Waste Disposal Facility	704 Riverina ROAD	Unclassified	Regulation under CLM Act not required	-36.07103958	147.0193522
WOLLI CREEK	Former Ausgrid Substation 10061	13 Gertrude STREET	Other Industry	Regulation under CLM Act not required	-33.93364031	151.1543818
WOLLONGONG	Redevelopment site	33 - 39 Beatson STREET	Other Petroleum	Regulation under CLM Act not required	-34.43196083	150.8976661
WOLLONGONG	Caltex Service Station	9 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.41505616	150.8932515
WOLLONGONG	Greenhouse Park	Springhill ROAD	Landfill	Contamination currently regulated under	-34.44119949	150.8931764
WOLLONGONG	Former Wollongong Gasworks	120 and 122 Smith STREET	Gasworks	Regulation under CLM Act not required	-34.42030173	150.8906745

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WOLLONGONG	Woolworths Service Station	425 Crown STREET	Service Station	Contamination currently regulated under	-34.42637378	150.8799288
WOLLONGONG	Wollongong Harbour Central Spur	Off Endeavour DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.42066879	150.906821
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 Sc	56 Clarence STREET	Service Station	Contamination currently regulated under	-30.11045544	153.1904609
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
WOOLLAHRA	Caltex Woollahra Service Station	116 Old South Head ROAD	Service Station	Contamination formerly regulated under	-33.88959697	151.2553736
WOOLLOOMOOLOO	Former BP Service Station	2 Dowley STREET	Service Station	Contamination being managed via the pla	-33.86940191	151.2218741
WOOLOMIN	Woolomin Gold Rush Store	65 Nundle ROAD	Other Petroleum	Contamination formerly regulated under	-31.30415134	151.149729
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	Mobil Former Woy Woy Service Station a	177-181 Blackwall ROAD	Service Station	Contamination formerly regulated under	-33.49254403	151.3270829

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
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	-33.5069738	151.3315579
WOY WOY	Rogers Park	Dunban ROAD	Landfill	Regulation under CLM Act not required	-33.50009693	151.3181347
WOY WOY	Austin Butler Memorial Oval	Blackwall ROAD	Landfill	Regulation under CLM Act not required	-33.48672201	151.3283032
WOY WOY	James Browne Oval	Welcome STREET	Landfill	Regulation under CLM Act not required	-33.49720596	151.3242986
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	Wyong Bayer/Kemcon	16 Lucca ROAD	Chemical Industry	Contamination formerly regulated under	-33.26192339	151.4429446
WYONG	Caltex Service Station	M1 Pacific (Northbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25641477	151.4024821
WYONG	Caltex Service Station	M1 Pacific (Southbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25330747	151.4053862
WYONG	IXOM Facility	8 Pavitt CRESCENT	Other Industry	Regulation under CLM Act not required	-33.26379108	151.4485113
YAGOONA	Galserv Galvanising Services	117-153 Rookwood ROAD	Metal Industry	Contamination currently regulated under	-33.89493085	151.0388013
YAGOONA	BP Service Station Potts Hill (Yagoona)	155 Rookwood ROAD	Service Station	Regulation under CLM Act not required	-33.89330525	151.0390969
YAGOONA	7-Eleven (former Mobil) Service Station	519 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90760623	151.0207783
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 Com	91 Brunker ROAD	Other Industry	Regulation under CLM Act not required	-33.89887589	151.0289165

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YALLAH	Tallawarra Power Station site	Princes HIGHWAY	Unclassified	Ongoing maintenance required to manag	-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	-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 Mobil Depot Yass and adjacent la	54-58 Laidlaw STREET	Service Station	Ongoing maintenance required to manag	-34.83252976	148.9068888
YASS	Former Gasworks	Dutton STREET	Gasworks	Contamination currently regulated under	-34.83982614	148.9060029
YASS	Transgrid Depot Yass	Perry STREET	Unclassified	Under assessment	-34.86238341	148.9052809
YENNORA	Former Alcoa Australia Rolled Products Fa	1 Kiora CRESCENT	Metal Industry	Regulation under CLM Act not required	-33.86568158	150.9649297
YENNORA	Spicer Axle Australia Manufacturing Facili	205-231 Fairfield ROAD	Other Industry	Regulation under CLM Act not required	-33.85655114	150.9579167
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	-33.86340576	150.9764349
YENNORA	TetraPak Site	6 Foray STREET	Other Industry	Contamination formerly regulated under	-33.8557183	150.9561605
YENNORA	19 Pine Road, Yennora	Pine ROAD	Metal Industry	Contamination currently regulated under	-33.86713232	150.9621172
YETHOLME	Yetholme CCA Timber Treatment Plant	351 Eusdale ROAD	Other Industry	Contamination formerly regulated under	-33.45386256	149.8537787
YOUNG	Former Mobil Depot and Service Station \	149 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31024587	148.290424

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YOUNG	Former Shell Depot	166 Nasmyth STREET	Other Petroleum	Regulation under CLM Act not required	-34.31025192	148.2931008
YOUNG	Former battery recycler	45 Nasmyth STREET	Metal Industry	Contamination currently regulated under	-34.31201571	148.306772
YOUNG	Adjacent to former battery recycler	47 Nasmyth STREET	Metal Industry	Contamination formerly regulated under	-34.31176273	148.3064765
YOUNG	Mobil Depot	186 Nasmyth STREET	Other Petroleum	Contamination currently regulated under	-34.30954389	148.2908476
YOUNG	Former Caltex Depot	95 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31127119	148.2955092
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, Zetlan	84 - 92 Epsom ROAD	Other Industry	Regulation under CLM Act not required	-33.91025707	151.2078048



LOCALITY MAP

Notes:
1. Basemap from GoogleEarth(R) (dated 27/04/2019)
2. Bore locations are approximate only

Legend
- Approximate Site Boundary
- 1 km Buffer
- Location of Registered Groundwater Bores

0 250 500 750 m

Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT:	Hansen Yuncken Pty Ltd	TITLE:	**Registered Groundwater Bore Location Plan**
OFFICE:	Canberra	DRAWN BY:	PJS		**New Primary School in Murrumbateman**
SCALE:	1:10000 @ A3	DATE:	25.05.2021		**2 Fairley Street, Murrumbateman**

N

PROJECT No:	203624.01
DRAWING No:	C1
REVISION:	0

WaterNSW
Work Summary

GW020869

Licence: **Licence Status:**

Authorised Purpose(s):
Intended Purpose(s): NOT KNOWN

Work Type: Bore
Work Status: Needs Reconditioning
Construct.Method: Cable Tool
Owner Type: Private

Commenced Date: **Final Depth:** 32.90 m
Completion Date: **Drilled Depth:**

Contractor Name: (None)
Driller:
Assistant Driller:

Property: **Standing Water Level (m):**
GWMA: **Salinity Description:**
GW Zone: **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	24
Licensed:			

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6129048.000 **Latitude:** 34°57'50.4"S
Elevation Source: (Unknown) **Easting:** 686282.000 **Longitude:** 149°02'25.3"E

GS Map: - **MGA Zone:** 55 **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	0.00	0.00	127			

Remarks

09/05/1979: R/C CAS NO1 INSERTED

***** End of GW020869 *****

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

GW020871

Licence: **Licence Status:**

Authorised Purpose(s):
Intended Purpose(s): NOT KNOWN

Work Type: Bore
Work Status: Needs Reconditioning
Construct.Method: Cable Tool
Owner Type: Private

Commenced Date: **Final Depth:** 157.30 m
Completion Date: **Drilled Depth:** 157.30 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: **Standing Water Level (m):**
GWMA: **Salinity Description:**
GW Zone: **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	23
Licensed:			

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6129305.000 **Latitude:** 34°57'42.4"S
Elevation Source: (Unknown) **Easting:** 685755.000 **Longitude:** 149°02'04.3"E

GS Map: - **MGA Zone:** 55 **Coordinate Source:** PR.,ACC.MAP

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)
91.40	91.40	0.00	Fractured			0.06			
109.70	109.70	0.00	Fractured			0.06			
122.20	122.20	0.00	Fractured			0.06			
137.20	137.20	0.00	Fractured	11.60		0.30			
152.40	152.40	0.00	Fractured	7.90		0.36			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	77.11	77.11	Driller	(Unknown)	
77.11	77.72	0.61	Porphyry	Porphyry	
77.72	157.28	79.56	Porphyry Very Hard Water Supply	Porphyry	

Remarks

09/05/1979: Changed from 77.11m to 157.28m on 21/10/55 R/C-DEEPENED

***** End of GW020871 *****

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WaterNSW
Work Summary

GW024648

Licence: 40WA412342 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method:
Owner Type: Other Govt

Commenced Date:
Completion Date: 01/04/1966
Final Depth: 24.50 m
Drilled Depth: 24.50 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: Murrumbateman Rural Fire Service
37 Rose St MURRUMBATEMAN
2582 NSW
GWMA: 999 - (blank)
GW Zone: 999 - (blank)
Standing Water Level (m):
Salinity Description: 501-1000 ppm
Yield (L/s):

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	SEC 7
Licensed:	MURRAY	NANIMA	Whole Lot 284//823517

Region: 40 - Murrumbidgee
River Basin: 410 - MURRUMBIDGEE RIVER
Area/District:
CMA Map: 8728-3S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: (Unknown)
Northing: 6128607.000
Easting: 685258.000
Latitude: 34°58'05.4"S
Longitude: 149°01'45.3"E

GS Map: -
MGA Zone: 55
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	24.20	152			Suspended in Clamps
1	1	Opening	Perforations	18.40	24.50	152		1	

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)
18.30	18.30	0.00	Fractured	8.50		0.76			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.83	1.83	Clay Puggy	Clay	
1.83	6.40	4.57	Clay Yellow Sandy	Clay	
6.40	10.97	4.57	Clay Sandy	Clay	
10.97	13.56	2.59	Clay Gravel	Clay	

13.56	14.33	0.77	Porphyry Decomposed	Porphyry	
14.33	24.54	10.21	Porphyry Water Supply	Porphyry	

Remarks

20/07/1984: LOT 14 SECT 7 MURRUMBATEMAN PUBLIC SCHOOL

***** End of GW024648 *****

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WaterNSW
Work Summary

GW042529

Licence: 40WA406045 **Licence Status:** CURRENT

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

Work Type: Bore open thru rock
Work Status:
Construct.Method: Rotary
Owner Type: Private

Commenced Date: **Final Depth:** 24.90 m
Completion Date: 01/11/1975 **Drilled Depth:** 25.00 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: ALCHERINGA NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** 501-1000 ppm
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	153
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128219.000 **Latitude:** 34°58'18.4"S
Elevation Source: (Unknown) **Easting:** 684616.000 **Longitude:** 149°01'20.3"E

GS Map: - **MGA Zone:** 55 **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	-0.20	10.20	152			Driven into Hole

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)
8.50	8.50	0.00	Unconsolidated	8.50					
9.70	18.20	8.50	Fractured	5.40		0.38			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	0.91	0.61	Clay	Clay	
0.91	6.70	5.79	Clay Sandy	Clay	
6.70	7.01	0.31	Gravel Bands	Gravel	
7.01	9.44	2.43	Clay Sandy	Clay	
9.44	24.99	15.55	Porphyry Water Supply	Porphyry	

***** End of GW042529 *****

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WaterNSW
Work Summary

GW045355

Licence: 40WA405951 **Licence Status:** CURRENT

Authorised Purpose(s): STOCK,DOMESTIC
Intended Purpose(s): GENERAL USE

Work Type: Bore open thru rock
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 37.80 m
Completion Date: 01/11/1975 **Drilled Depth:** 37.80 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** Fair
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	L7 (SEC 1)
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128491.000 **Latitude:** 34°58'09.4"S
Elevation Source: (Unknown) **Easting:** 684875.000 **Longitude:** 149°01'30.3"E

GS Map: - **MGA Zone:** 55 **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	0.00	19.30	152			Driven into Hole

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)
11.90	13.00	1.10	(Unknown)	11.80					
20.70	37.80	17.10	(Unknown)	8.80		15.00			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	2.40	2.10	Clay Red	Clay	
2.40	11.90	9.50	Clay Sandy	Clay	
11.90	12.80	0.90	Clay Sandy Pebbles/pebbly	Clay	
12.80	15.50	2.70	Porphyry Decomposed	Porphyry	
15.50	15.80	0.30	Porphyry Hard Bands	Porphyry	

15.80	18.60	2.80	Porphyry Decomposed	Porphyry	
18.60	37.80	19.20	Porphyry Black Water Supply	Porphyry	

Remarks

01/11/1985: LOT 7 SECTION 1 MURRUMBATEMAN

***** End of GW045355 *****

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WaterNSW
Work Summary

GW045643

Licence: 40WA405966 **Licence Status:** CURRENT

Authorised Purpose(s): STOCK,DOMESTIC
Intended Purpose(s): GENERAL USE

Work Type: Bore open thru rock
Work Status:
Construct.Method: Rotary
Owner Type: Private

Commenced Date: **Final Depth:** 42.70 m
Completion Date: 01/11/1976 **Drilled Depth:** 42.70 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** Good
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	SEC 2
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128675.000 **Latitude:** 34°58'03.4"S
Elevation Source: (Unknown) **Easting:** 684904.000 **Longitude:** 149°01'31.3"E

GS Map: - **MGA Zone:** 55 **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	6.40	152			Driven into Hole

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)
12.50	13.10	0.60	Fractured	9.10		0.05			
22.50	23.10	0.60	Fractured	9.10		0.07			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.40	0.40	Topsoil	Topsoil	
0.40	2.10	1.70	Clay Red	Clay	
2.10	4.80	2.70	Clay Yellow	Clay	
4.80	6.10	1.30	Porphyry Decomposed	Porphyry	
6.10	12.50	6.40	Porphyry	Porphyry	
12.50	13.10	0.60	Porphyry Water Bearing	Porphyry	

13.10	22.50	9.40	Porphyry	Porphyry	
22.50	23.10	0.60	Porphyry Water Bearing Water Supply	Porphyry	
23.10	42.70	19.60	Porphyry	Porphyry	

Remarks

01/11/1985: LOT 2 SECTION 2 MURRUMBATEMAN

***** End of GW045643 *****

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WaterNSW
Work Summary

GW047713

Licence: 40WA406327 **Licence Status:** CURRENT

Authorised Purpose(s): STOCK,DOMESTIC
Intended Purpose(s): NOT KNOWN

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 30.50 m
Completion Date: 01/03/1979 **Drilled Depth:** 30.50 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** Good
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	L4 (SEC 4)
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128397.000 **Latitude:** 34°58'12.4"S
Elevation Source: (Unknown) **Easting:** 684975.000 **Longitude:** 149°01'34.3"E

GS Map: - **MGA Zone:** 55 **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	Welded Steel	-0.30	13.10	165			Driven into Hole
1	1	Opening	Slots - Vertical	11.60	13.10	165		1	Oxy-Acetylene Slotted, A: 2.00mm

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)
11.60	13.10	1.50	Fractured	6.10		0.12			
25.90	27.40	1.50	Fractured	6.10		0.48			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	3.60	3.30	Clay	Clay	
3.60	13.10	9.50	Granite Decomposed Water Supply	Granite	
13.10	30.50	17.40	Granite Water Supply	Granite	

Remarks

12/06/1981: WASHING DOWN DOG KENNELS
01/11/1985: LOT 4 SECTION 4 MURRUMBATEMAN

***** End of GW047713 *****

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WaterNSW
Work Summary

GW049956

Licence: 40WA406019 **Licence Status:** CURRENT

Authorised Purpose(s): STOCK
Intended Purpose(s): STOCK

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 45.70 m
Completion Date: 01/03/1979 **Drilled Depth:** 45.70 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** Good
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	32
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6127832.000 **Latitude:** 34°58'30.4"S
Elevation Source: (Unknown) **Easting:** 685445.000 **Longitude:** 149°01'53.3"E

GS Map: - **MGA Zone:** 55 **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	Welded Steel	-0.30	11.60	165			Driven into Hole
1	1	Opening	Slots - Vertical	8.50	11.60	165		1	Oxy-Acetylene Slotted, A: 2.00mm

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)
8.50	11.60	3.10	Fractured	5.50		0.18			
13.70	14.00	0.30	Fractured	5.50		0.06			
42.70	43.00	0.30	Fractured	5.50		0.56			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	1.80	1.50	Clay	Clay	
1.80	11.60	9.80	Granite Decomposed Water Supply	Granite	
11.60	23.80	12.20	Granite Water Supply	Granite	

23.80	45.70	21.90	Water Supply	(Unknown)	

***** End of GW049956 *****

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WaterNSW
Work Summary

GW053315

Licence: 40WA406238 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 45.70 m
Completion Date: 01/06/1981 **Drilled Depth:** 45.70 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** 501-1000 ppm
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	12
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6129155.000 **Latitude:** 34°57'47.4"S
Elevation Source: (Unknown) **Easting:** 685574.000 **Longitude:** 149°01'57.3"E

GS Map: - **MGA Zone:** 55 **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	Welded Steel	-0.30	16.10	165			Driven into Hole
1	1	Opening	Slots - Vertical	14.60	16.10	165		1	Oxy-Acetylene Slotted, A: 2.00mm

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)
14.60	16.10	1.50	Fractured	3.00		1.01			
22.20	22.90	0.70	Fractured	3.00		0.25			
42.70	43.30	0.60	Fractured	3.00		1.01			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	4.30	4.00	Clay	Clay	
4.30	16.10	11.80	Granite Decomposed Water Supply	Granite	
16.10	45.70	29.60	Granite Water Supply	Granite	

***** End of GW053315 *****

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WaterNSW
Work Summary

GW053317

Licence: 40WA406237 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 45.70 m
Completion Date: 01/06/1981 **Drilled Depth:** 45.70 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** 501-1000 ppm
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	12
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128692.000 **Latitude:** 34°58'02.4"S
Elevation Source: (Unknown) **Easting:** 685590.000 **Longitude:** 149°01'58.3"E

GS Map: - **MGA Zone:** 55 **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	Welded Steel	-0.30	8.80	165			Driven into Hole
1	1	Opening	Slots - Vertical	6.70	9.10	165		1	Oxy-Acetylene Slotted, A: 2.00mm

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)
7.60	8.50	0.90	Unconsolidated	3.00		0.37			
13.70	14.00	0.30	Fractured	3.00		0.63			
23.80	24.00	0.20	Fractured	3.00		0.50			
30.50	30.80	0.30	Fractured	3.00		0.30			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	4.50	4.20	Clay	Clay	
4.50	8.50	4.00	Gravel Water Supply	Gravel	

8.50	45.70	37.20	Granite Water Supply	Granite	

***** End of GW053317 *****

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WaterNSW
Work Summary

GW054023

Licence: 40CA407312
Licence Status: CURRENT

Authorised Purpose(s): TOWN WATER SUPPLY
Intended Purpose(s): PUBLIC/MUNICIPL

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type: Local Govt

Commenced Date:
Completion Date: 01/10/1979
Final Depth: 30.00 m
Drilled Depth: 30.00 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: MURRUMBATEMAN TWS
Recreation Ground Barton Hwy
MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m):
Salinity Description: invalid code
Yield (L/s):

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	RES 76555
Licensed:	MURRAY	NANIMA	Whole Lot 2//733604

Region: 40 - Murrumbidgee
River Basin: 410 - MURRUMBIDGEE RIVER
Area/District:
CMA Map: 8728-3S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: (Unknown)
Northing: 6128572.000
Easting: 685435.000
Latitude: 34°58'06.4"S
Longitude: 149°01'52.3"E

GS Map: -
MGA Zone: 55
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	0.00	22.50	150			
1	1	Opening	Slots	15.00	20.00	150		1	

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.00	1.00	Topsoil	Topsoil	
1.00	3.00	2.00	Clay	Clay	
3.00	22.00	19.00	Granite Weathered	Granite	
22.00	30.00	8.00	Granite Solid	Granite	
3.00	22.00	19.00	Clay Yellow Silty	Clay	

Remarks

18/08/1988: MURRUMBATEMAN VILLAGE SUPPLY

***** End of GW054023 *****

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WaterNSW
Work Summary

GW056770

Licence: 40WA406089 **Licence Status:** CURRENT

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

Work Type: Bore open thru rock
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 38.10 m
Completion Date: 01/10/1982 **Drilled Depth:** 38.10 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:**
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	L3 (SEC 1)
Licensed:	MURRAY	NANIMA	Whole Lot //

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128430.000 **Latitude:** 34°58'11.4"S
Elevation Source: (Unknown) **Easting:** 684849.000 **Longitude:** 149°01'29.3"E

GS Map: - **MGA Zone:** 55 **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	Welded Steel	-0.30	11.30	165			Driven into Hole

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)
17.70	18.00	0.30	Fractured			0.02			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.90	0.90	Topsoil	Topsoil	
0.90	2.70	1.80	Clay	Clay	
2.70	10.40	7.70	Granite Decomposed	Granite	
10.40	11.30	0.90	Granite Porphyry	Granite	
11.30	11.60	0.30	Granite Decomposed	Granite	
11.60	38.10	26.50	Granite Porphyry Water Supply	Granite	

Remarks

01/11/1985: LOT 3 SECTION 1 MURRUMBATEMAN

***** End of GW056770 *****

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WaterNSW
Work Summary

GW056857

Licence: 40WA406092 **Licence Status:** CURRENT

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

Work Type: Bore open thru rock
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 60.90 m
Completion Date: 01/01/1983 **Drilled Depth:** 60.90 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** 0-500 ppm
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	L48 DP255764 (66)
Licensed:	MURRAY	NANIMA	Whole Lot 48//255764

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 412 - LACHLAN RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128055.000 **Latitude:** 34°58'23.4"S
Elevation Source: (Unknown) **Easting:** 685120.000 **Longitude:** 149°01'40.3"E

GS Map: - **MGA Zone:** 55 **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	Welded Steel	-0.30	9.40	165			Driven into Hole

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)
8.80	9.40	0.60	Fractured	9.10					
10.00	10.70	0.70	Fractured	9.10		0.08			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	1.50	1.20	Clay	Clay	
1.50	9.40	7.90	Granite Decomposed	Granite	
9.40	60.90	51.50	Granite Water Supply	Granite	

***** End of GW056857 *****

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WaterNSW
Work Summary

GW058965

Licence: 40WA406145 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date: **Final Depth:** 60.90 m
Completion Date: 01/07/1984 **Drilled Depth:** 60.90 m

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A NSW **Standing Water Level (m):**
GWMA: - **Salinity Description:** Good
GW Zone: - **Yield (L/s):**

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	L51 DP255764 (66)
Licensed:	MURRAY	NANIMA	Whole Lot 51//255764

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6128179.000 **Latitude:** 34°58'19.4"S
Elevation Source: (Unknown) **Easting:** 685047.000 **Longitude:** 149°01'37.3"E

GS Map: - **MGA Zone:** 55 **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	Welded Steel	-0.30	19.20	165			Driven into Hole
1	1	Opening	Slots - Vertical	16.70	19.20	165		1	Oxy-Acetylene Slotted, A: 2.00mm

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)
18.30	19.20	0.90	Fractured	11.60		0.04			
44.50	44.80	0.30	Fractured	11.60		0.07			
56.10	56.40	0.30	Fractured	11.60		0.06			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	0.30	0.30	Topsoil	Topsoil	
0.30	2.10	1.80	Clay	Clay	
2.10	19.20	17.10	Granite Decomposed	Granite	
19.20	60.90	41.70	Granite Water Supply	Granite	

***** End of GW058965 *****

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WaterNSW
Work Summary

GW068266

Licence: **Licence Status:**

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

Work Type: Bore
Work Status:
Construct.Method:
Owner Type: Private

Commenced Date: **Final Depth:** 70.00 m
Completion Date: 31/03/1990 **Drilled Depth:**

Contractor Name: (None)
Driller:
Assistant Driller:

Property: **Standing Water Level (m):**
GWMA: **Salinity Description:** Good
GW Zone: **Yield (L/s):** 0.500

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LT49 DP255764
Licensed:			

Region: 40 - Murrumbidgee **CMA Map:** 8728-3S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6127910.000 **Latitude:** 34°58'28.1"S
Elevation Source: Unknown **Easting:** 685144.000 **Longitude:** 149°01'41.4"E

GS Map: - **MGA Zone:** 55 **Coordinate Source:** Unknown

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	P.V.C.	0.00	70.00	200			

Remarks

31/03/1990: ACC = 7, FORM AG

***** End of GW068266 *****

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WaterNSW
Work Summary

GW085106

Licence:
Licence Status:

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

Work Type: Bore
Work Status: Manual Observations,Monthly
Construct.Method: Rotary
Owner Type: NSW Office of Water

Commenced Date:
Completion Date: 28/07/1999
Final Depth: 42.00 m
Drilled Depth: 42.00 m

Contractor Name: DLWC GROUNDWATER DRILLING
Driller: David Ray
Assistant Driller:

Property:
GWMA:
GW Zone:
Standing Water Level (m): 2.800
Salinity Description:
Yield (L/s): 0.700

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	2 DP733604 12 437360
Licensed:			

Region: 40 - Murrumbidgee
River Basin: 410 - MURRUMBIDGEE RIVER
Area/District:
CMA Map: 8728-S
Grid Zone:
Scale:

Elevation: 566.75 m (A.H.D.)
Elevation Source: (unknown)
Northing: 6128612.000
Easting: 685584.000
Latitude: 34°58'05.0"S
Longitude: 149°01'58.1"E

GS Map: -
MGA Zone: 55
Coordinate Source: GPS - Global

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	42.00	172			Rotary Air
1		Annulus	Waterworn/Rounded	20.00	42.00				Graded, Q:2.000m3
1	1	Casing	Steel	-1.00	1.00	168	155		Driven into Hole, Welded
1	1	Casing	P.V.C.	0.00	42.00	100	96		Seated on Bottom, Glued
1	1	Opening	Slots - Horizontal	36.00	40.00	100		0	Sawn, PVC Class 12, SL: 50.0mm, A: 2.00mm

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)
34.00	40.00	6.00	Unknown	2.80		0.70	42.00		

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.00	1.00	Topsoil	Topsoil	

1.00	3.00	2.00	Yellow clay	Clay	
3.00	5.00	2.00	Brown weathered rock	Invalid Code	
5.00	42.00	37.00	Granite	Granite	

***** End of GW085106 *****

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WaterNSW
Work Summary

GW085107

Licence: **Licence Status:**

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

Work Type: Bore
Work Status: Manual Observations,Monthly
Construct.Method: Rotary
Owner Type: NSW Office of Water

Commenced Date: **Final Depth:** 7.00 m
Completion Date: 28/07/1999 **Drilled Depth:** 7.00 m

Contractor Name: DLWC GROUNDWATER DRILLING
Driller: David Ray
Assistant Driller:

Property: **Standing Water Level (m):** 3.000
GWMA: **Salinity Description:**
GW Zone: **Yield (L/s):** 1.200

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LT 2 DP 733604 - 12
Licensed:			

Region: 40 - Murrumbidgee **CMA Map:** 8728-S
River Basin: 410 - MURRUMBIDGEE RIVER **Grid Zone:** **Scale:**
Area/District:

Elevation: 566.83 m (A.H.D.) **Northing:** 6128625.000 **Latitude:** 34°58'04.6"S
Elevation Source: (unknown) **Easting:** 685583.000 **Longitude:** 149°01'58.1"E

GS Map: - **MGA Zone:** 55 **Coordinate Source:** GPS - Global

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	7.00	172			Rotary Air
1		Annulus	Waterworn/Rounded	1.00	7.00				Graded, Q:0.500m3
1	1	Casing	Steel	-1.00	1.00	168	155		Driven into Hole, Welded
1	1	Casing	P.V.C.	0.00	7.00	100	96		Seated on Bottom, Glued
1	1	Opening	Slots - Horizontal	4.00	6.00	100		0	Sawn, PVC Class 12, SL: 50.0mm, A: 2.00mm

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)
4.00	6.00	2.00	Unknown	3.00		1.20	7.00		

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.00	1.00	Topsoil	Topsoil	
1.00	3.00	2.00	Yellow clay	Clay	

3.00	5.00	2.00	Brown weathered rock	Invalid Code	
5.00	7.00	2.00	Granite	Granite	

***** End of GW085107 *****

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WaterNSW
Work Summary

GW400786

Licence: 40WA406454 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type:

Commenced Date: **Final Depth:** 68.00 m
Completion Date: 09/07/1998 **Drilled Depth:** 68.00 m

Contractor Name: Watermin Drillers Pty Ltd
Driller: Alan Jeffery Wilson
Assistant Driller:

Property: WOODSIDE Woodside Barton Hwy MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m): 22.000
Salinity Description: Good
Yield (L/s): 0.500

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LOT2 DP878859
Licensed:	MURRAY	NANIMA	Whole Lot 2//878859

Region: 40 - Murrumbidgee **CMA Map:**
River Basin: - Unknown **Grid Zone:** **Scale:**
Area/District:

Elevation: 0.00 m (A.H.D.) **Northing:** 6129584.000 **Latitude:** 34°57'34.1"S
Elevation Source: Unknown **Easting:** 684613.000 **Longitude:** 149°01'19.1"E

GS Map: - **MGA Zone:** 55 **Coordinate Source:** Map Interpre

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	26.00	181			Rotary Air
1		Hole	Hole	26.00	68.00	125			Rotary Air
1	1	Casing	Pvc Class 9	-0.60	26.00	125			Driven into Hole, Glued
1	1	Opening	Slots - Vertical	22.00	26.00	125		0	Sawn, PVC Class 9, SL: 457.0mm, A: 2.00mm

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)
26.00	26.50	0.50	Unknown	22.00		0.50	26.50		

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	3.00	3.00	Topsoil	Topsoil	
3.00	20.00	17.00	Brown sandy clay	Invalid Code	
20.00	25.00	5.00	Decomposed granite	Invalid Code	
25.00	68.00	43.00	Hard granite	Invalid Code	

***** End of GW400786 *****

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WaterNSW
Work Summary

GW400788

Licence:
Licence Status:
Authorised Purpose(s):
Intended Purpose(s): STOCK, DOMESTIC

Work Type: Bore
Work Status: Abandoned
Construct.Method: Rotary Air
Owner Type:

Commenced Date:
Completion Date: 08/07/1998
Final Depth:
Drilled Depth: 80.00 m

Contractor Name: Watermin Drillers Pty Ltd
Driller: Alan Jeffery Wilson
Assistant Driller:

Property:
GWMA:
GW Zone:
Standing Water Level (m):
Salinity Description:
Yield (L/s):

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LT 36 DP 878859
Licensed:			

Region: 40 - Murrumbidgee
River Basin: 410 - MURRUMBIDGEE RIVER
Area/District:
CMA Map: 8728-S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6129299.000
Easting: 684536.000
Latitude: 34°57'43.4"S
Longitude: 149°01'16.3"E

GS Map: -
MGA Zone: 55
Coordinate Source: Unknown

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	80.00	181			Rotary Air

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)
24.00	24.50	0.50	Unknown	15.00		0.12	24.50		

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	2.00	2.00	Topsoil	Topsoil	
2.00	14.00	12.00	Yellow sandy clay	Invalid Code	
14.00	25.00	11.00	D/granite	Dacite(Tonalite)	
25.00	80.00	55.00	Hard granite	Invalid Code	

Remarks

08/07/1998: Form A Remarks:
Casing withdrawn.

***** End of GW400788 *****

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WaterNSW
Work Summary

GW400793

Licence: 40CA407458 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type:

Commenced Date:
Completion Date: 25/07/1998
Final Depth: 72.00 m
Drilled Depth: 72.00 m

Contractor Name: Watermin Drillers Pty Ltd
Driller: Alan Jeffery Wilson
Assistant Driller:

Property: WOODSIDE 3489 Barton Hwy MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m):
Salinity Description:
Yield (L/s): 0.310

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	2 878859
Licensed:	MURRAY	NANIMA	Whole Lot 2//878859

Region: 40 - Murrumbidgee
River Basin: 410 - MURRUMBIDGEE RIVER
Area/District:
CMA Map: 8728-S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6129129.000
Easting: 685320.000
Latitude: 34°57'48.4"S
Longitude: 149°01'47.3"E

GS Map: -
MGA Zone: 55
Coordinate Source: Unknown

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	24.50	181			Rotary Air
1		Hole	Hole	24.50	72.00	125			Rotary Air
1	1	Casing	Pvc Class 9	-0.50	24.50	125			Driven into Hole, Glued
1	1	Opening	Slots - Vertical	21.00	24.00	125		0	PVC Class 9, SL: 457.0mm, A: 2.00mm

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)
21.00	24.00	3.00	Unknown	3.00		0.31	24.00		

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.00	1.00	Topsoil	Topsoil	
1.00	24.00	23.00	Decomposed granite	Invalid Code	
24.00	72.00	48.00	Hard granite	Invalid Code	

***** End of GW400793 *****

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WaterNSW
Work Summary

GW400950

Licence: 40WA406486
Licence Status: CURRENT

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

Work Type: Bore
Work Status:
Construct.Method: Rotary
Owner Type:

Commenced Date:
Completion Date: 10/04/1999
Final Depth: 50.00 m
Drilled Depth: 50.00 m

Contractor Name: Watermin Drillers Pty Ltd
Driller: Alan Jeffery Wilson
Assistant Driller:

Property: N/A 50 Mackintosh Cct MURRUMBATEMAN 2582 NSW
GWMA: 013 - MID MURRUMBIDGEE (U/S NARRANDERA)
GW Zone: -
Standing Water Level (m): 21.000
Salinity Description: Good
Yield (L/s): 0.131

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LT 12 DP 253934
Licensed:	MURRAY	NANIMA	Whole Lot 12//253934

Region: 40 - Murrumbidgee
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6127946.000
Easting: 685904.000
Latitude: 34°58'26.4"S
Longitude: 149°02'11.3"E

GS Map: -
MGA Zone: 55
Coordinate Source: Map Interpre

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	27.00	181			Rotary Air
1		Hole	Hole	27.00	50.00	152			Rotary Air
1	1	Casing	Pvc Class 9	-0.60	27.00	150			Driven into Hole, Glued
1	1	Opening	Slots - Vertical	24.00	27.00	150		0	Sawn, PVC Class 9, SL: 457.0mm, A: 2.00mm

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)
25.00	25.10	0.10	Unknown	21.00		0.04	25.10		
46.00	46.10	0.10	Unknown	21.00		0.09	46.10		

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	20.00	20.00	Red sandy clay	Invalid Code	
20.00	26.00	6.00	Decomposed granite	Invalid Code	

26.00	50.00	24.00	Hard granite	Invalid Code	

***** End of GW400950 *****

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WaterNSW
Work Summary

GW401213

Licence: 40WA406406 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method:
Owner Type:

Commenced Date:
Completion Date: 26/04/1995
Final Depth: 68.00 m
Drilled Depth: 68.00 m

Contractor Name: SANDERSON WATER SEARCH
Driller: Rodney Joseph Sanderson
Assistant Driller:

Property: N/A Lot 63 Vallance Drv MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m):
Salinity Description:
Yield (L/s): 0.510

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LT 63 DP 258762
Licensed:	MURRAY	NANIMA	Whole Lot 63//258762

Region: 40 - Murrumbidgee
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6127884.000
Easting: 684963.000
Latitude: 34°58'29.0"S
Longitude: 149°01'34.3"E

GS Map: -
MGA Zone: 55
Coordinate Source: Map Interpre

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	68.00	150			(Unknown)
1	1	Casing	P.V.C.	-0.40	68.00	150	148		Driven into Hole

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)
58.00	59.00	1.00	Unknown	10.00		0.51	68.00	01:00:00	

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.00	1.00	TOPSOIL & CLAY	Topsoil	
1.00	10.00	9.00	WEATHERED VOLCANICS	Invalid Code	
10.00	68.00	58.00	DACITE & VOLCANICS	Dacite(Tonalite)	

***** End of GW401213 *****

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WaterNSW
Work Summary

GW401604

Licence: 40WA406517 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method: Rotary Air
Owner Type:

Commenced Date:
Completion Date: 09/01/2001
Final Depth: 60.00 m
Drilled Depth: 60.00 m

Contractor Name: J & L Drilling Pty Ltd
Driller: Leon Thomas Sharp
Assistant Driller:

Property: LOT 24 5 George St MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m):
Salinity Description:
Yield (L/s): 1.000

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LOT24 DP243259
Licensed:	MURRAY	NANIMA	Whole Lot 24//243259

Region: 40 - Murrumbidgee
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6128284.000
Easting: 685213.000
Latitude: 34°58'15.9"S
Longitude: 149°01'43.8"E

GS Map: -
MGA Zone: 55
Coordinate Source: Map Interpre

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	60.00	177			Rotary Air
1		Annulus	Waterworn/Rounded	48.00	60.00				Graded
1	1	Casing	Pvc Class 9	0.00	60.00	139	125		Seated on Bottom, Glued
1	1	Opening	Slots - Vertical	48.00	60.00	139		0	PVC Class 9, SL: 200.0mm, A: 3.00mm

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)
31.00	32.00	1.00	Unknown			0.60	35.00	02:00:00	
54.00	55.00	1.00	Unknown			0.40	56.00	01:00:00	

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.00	1.00	CLAY, RED	Clay	
1.00	2.00	1.00	GRANITE, YELLOW	Granite	
2.00	4.00	2.00	GRANITE, PINK	Granite	

4.00	33.00	29.00	GRANITE,YELLOW	Granite	
33.00	41.00	8.00	GRANITE, BLUE	Granite	
41.00	60.00	19.00	GRANITE, BLACK	Granite	

***** End of GW401604 *****

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WaterNSW
Work Summary

GW401762

Licence:
Licence Status:

Authorised Purpose(s):
Intended Purpose(s): TEST BORE

Work Type: Bore
Work Status: Abandoned
Construct.Method: Down Hole Hamm
Owner Type:

Commenced Date:
Completion Date: 28/06/2001
Final Depth: 100.00 m
Drilled Depth: 100.00 m

Contractor Name: Bungendore Water Bores
Driller: Ronald John Lee
Assistant Driller:

Property:
GWMA:
GW Zone:
Standing Water Level (m): 1.950
Salinity Description:
Yield (L/s): 10.000

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LT 2 DP 733604
Licensed:			

Region: 40 - Murrumbidgee
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6128484.000
Easting: 685513.000
Latitude: 34°58'09.2"S
Longitude: 149°01'55.5"E

GS Map: -
MGA Zone: 55
Coordinate Source: Unknown

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	8.00	250			Down Hole Hammer
1		Hole	Hole	8.00	100.00	150			Down Hole Hammer
1	1	Casing	Pvc Class 9	-0.50	6.00	219	191		Seated on Bottom

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)
15.00	22.00	7.00	Unknown	1.95		1.80			630.00
27.00	32.00	5.00	Unknown	1.95		2.00			630.00
42.00	46.00	4.00	Unknown	1.95		2.00			650.00
52.00	53.00	1.00	Unknown	1.95		1.00			650.00
80.00	91.00	11.00	Unknown	1.95		3.00			650.00

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	4.00	4.00	CLAY, YELLOW BROWN	Clay	

4.00	100.00	96.00	DACITIC VOLCANICS, MEDIUM GREY GREEN	Dacite(Tonalite)	

Remarks

28/06/2001: Form A Remarks:
HOLE CAPPED.

***** End of GW401762 *****

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WaterNSW
Work Summary

GW403153

Licence: 40WA406992 **Licence Status:** CURRENT

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

Work Type: Bore
Work Status:
Construct.Method:
Owner Type:

Commenced Date:
Completion Date: 05/07/2005
Final Depth: 21.70 m
Drilled Depth:

Contractor Name: (None)
Driller:
Assistant Driller:

Property: N/A 4 South St MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m): 12.000
Salinity Description:
Yield (L/s): 0.300

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	LT47 DP255764
Licensed:	MURRAY	NANIMA	Whole Lot 47//255764

Region: 40 - Murrumbidgee
River Basin: - Unknown
Area/District:
CMA Map: 8728-3S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: (Unknown)
Northing: 6128190.000
Easting: 685155.000
Latitude: 34°58'19.0"S
Longitude: 149°01'41.6"E

GS Map: -
MGA Zone: 55
Coordinate Source: Map Interpre

Remarks

05/07/2005: Form A Remarks:
No bore construction date given.

***** End of GW403153 *****

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WaterNSW
Work Summary

GW415880

Licence: 40CA407312 **Licence Status:** CURRENT

Authorised Purpose(s): TOWN WATER SUPPLY
Intended Purpose(s): TEST BORE

Work Type: Bore
Work Status: Supply Obtained
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date:
Completion Date: 10/06/2010
Final Depth: 132.00 m
Drilled Depth: 132.00 m

Contractor Name: Bungendore Water Bores
Driller: Daniel Robert Hill
Assistant Driller: G Hill

Property: MURRUMBATEMAN TWS
Recreation Ground Barton Hwy
MURRUMBATEMAN 2582 NSW
GWMA: 998 - TEST
GW Zone: 097 - INLAND
Standing Water Level (m): 7.000
Salinity Description:
Yield (L/s): 3.000

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	1//878859
Licensed:	MURRAY	NANIMA	Whole Lot 301//1228766

Region: 40 - Murrumbidgee
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6128841.000
Easting: 685137.000
Latitude: 34°57'57.9"S
Longitude: 149°01'40.4"E

GS Map: -
MGA Zone: 55
Coordinate Source: GPS - Global

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	132.00	200			Rotary Air
1		Annulus	Waterworn/Rounded	0.00	132.00				Graded, Q:2.200m3
1	1	Casing	Steel - Erw	-0.41	12.00	200	190		Welded - Butt
1	1	Casing	Pvc Class 9	-0.40	132.00	160	152		Seated on Bottom, Screwed and Glued
1	1	Opening	Slots - Vertical	30.00	48.00	160		0	Casing - Hand Sawn Slot, PVC Class 9, Screwed and Glued, SL: 120.0mm, A: 2.00mm
1	1	Opening	Slots - Vertical	84.00	126.00	160		0	Casing - Hand Sawn Slot, PVC Class 9, Screwed and Glued, SL: 120.0mm, A: 2.00mm

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)
40.00	42.00	2.00	Unknown	7.00		0.38		00:30:00	
90.00	109.00	19.00	Unknown	7.00		0.88		00:30:00	

116.00	124.00	8.00	Unknown	7.00		1.75		02:00:00

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	4.00	4.00	Clay, soil brown	Clay	
4.00	21.00	17.00	Volcanics, light brown soft	Volcanic	
21.00	26.00	5.00	Volcanics, soft grey	Volcanic	
26.00	132.00	106.00	Volcanic grey and black	Volcanic	

Remarks

10/06/2010: Form A Remarks:
Marie Campbell
20/3/12

***** End of GW415880 *****

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WaterNSW
Work Summary

GW415882

Licence: 40CA407312 **Licence Status:** CURRENT

Authorised Purpose(s): TOWN WATER SUPPLY
Intended Purpose(s): TOWN WATER SUPPL

Work Type: Bore
Work Status: Supply Obtained
Construct.Method: Rotary Air
Owner Type: Private

Commenced Date:
Completion Date: 01/03/2007
Final Depth: 100.00 m
Drilled Depth: 100.00 m

Contractor Name: HIGHLAND DRILLING PTY LTD
Driller: Brett Delamont
Assistant Driller:

Property: MURRUMBATEMAN TWS
Recreation Ground Barton Hwy
MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m): 3.500
Salinity Description:
Yield (L/s): 3.000

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	2//733604
Licensed:	MURRAY	NANIMA	Whole Lot 2//733604

Region: 40 - Murrumbidgee
River Basin: - Unknown
Area/District:
CMA Map:
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6128567.000
Easting: 685449.000
Latitude: 34°58'06.6"S
Longitude: 149°01'52.9"E

GS Map: -
MGA Zone: 55
Coordinate Source: GPS - Global

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	18.00	350			Rotary Air
1		Hole	Hole	18.00	100.00	300			Rotary Air
1	1	Casing	Pvc Class 9	-0.30	100.00	200			Driven into Hole, Cemented, Screwed
1	1	Opening	Slots - Diagonal	58.00	100.00	200		0	Casing - Machine Slotted, PVC Class 9

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)
42.00	48.00	6.00	Unknown	3.50		1.50		00:30:00	

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	4.00	4.00	Clay, yellow	Clay	
4.00	100.00	96.00	Dacitic volcanics, med grey	Dacite(Tonalite)	

Remarks

01/03/2007: Form A Remarks:
Marie Campbell
21/3/12

***** End of GW415882 *****

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WaterNSW
Work Summary

GW416633

Licence: 40CA407288 **Licence Status:** CURRENT

Authorised Purpose(s): STOCK,IRRIGATION,DOMESTIC
Intended Purpose(s): COMMERCIAL

Work Type: Bore
Work Status: Supply Obtained
Construct.Method:
Owner Type: Private

Commenced Date:
Completion Date: 03/12/2013
Final Depth: 102.00 m
Drilled Depth:

Contractor Name: Ace drilling
Driller: Morrie Meagher
Assistant Driller: Gavin Bennett

Property: CLONAKILLA 3 Crisps Lane MURRUMBATEMAN 2582 NSW
GWMA: -
GW Zone: -
Standing Water Level (m): 24.000
Salinity Description:
Yield (L/s): 2.270

Site Details

Site Chosen By:

	County	Parish	Cadastre
Form A:	MURRAY	NANIMA	12//1117103
Licensed:	MURRAY	NANIMA	Whole Lot 1//1218569

Region: 40 - Murrumbidgee
River Basin: 410 - MURRUMBIDGEE RIVER
Area/District:
CMA Map: 8728-3S
Grid Zone:
Scale:

Elevation: 0.00 m (A.H.D.)
Elevation Source: Unknown
Northing: 6128339.000
Easting: 685761.000
Latitude: 34°58'13.7"S
Longitude: 149°02'05.4"E

GS Map: -
MGA Zone: 55
Coordinate Source: GPS - Global

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	102.00	205			Rotary - Percussion (Down Hole H
1		Annulus	Waterworn/Rounded	35.00	102.00				Ungraded, PL:Poured/Shovelled
1	1	Casing	Pvc Class 9	-1.00	102.00	162	150		Seated on Bottom, Riveted and Glued, S: 69.00-102.00m
1	1	Opening	Slots - Vertical	36.00	42.00	162		0	PVC Class 9, SL: 200.0mm, A: 2.00mm
1	1	Opening	Slots	54.00	60.00			0	
1	1	Opening	Slots	66.00	69.00			0	
1	1	Opening	Slots	90.00	96.00			0	

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)
39.00	39.10	0.10	Unknown	24.00		0.13			
56.00	56.10	0.10	Unknown			0.38			
68.00	68.20	0.20	Unknown			0.76			
94.00	94.20	0.20	Unknown			1.00			

Drillers Log

From (m)	To (m)	Thickness (m)	Drillers Description	Geological Material	Comments
0.00	1.00	1.00	topsoil	Topsoil	
1.00	14.00	13.00	clay, with granite bands	Clay	
14.00	18.00	4.00	granite, weathered	Granite	
18.00	102.00	84.00	granite, blue	Granite	

Remarks

03/12/2013: Helen Lester: Coordinates are taken from charted licence location.
Bentonite Seal installed but no depths given.

***** End of GW416633 *****

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.

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

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

Summary of Owners Report

Address: 2 Fairley Street, Murrumbateman

Description: - Lot 302 D.P. 1228766

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
17.12.1900 (1900 to 1914)	David Webster (Grantee)	Vol 1342 Fol 97
16.02.1914 (1914 to 1925)	Janet Webster (Widow) Margaret Webster (Spinster) (Transmission Application not investigated)	Vol 1342 Fol 97
15.10.1925 (1925 to 1951)	Margaret Webster (Spinster)	Vol 1342 Fol 97
27.09.1951 (1951 to 2006)	William Gordon McClung (Grazier)	Vol 1342 Fol 97 Then 36/754900 Now 1/878859
30.06.2006 (2006 to 2006)	Margaret Joan Bushell Helen McClung	1/878859
12.10.2006 (2006 to 2020)	Shaw Projects Pty Limited	1/878859 Then 30/1212099 Now 302/1228766
15.12.2020 (2020 to Date)	# Minister for Education and Early Childhood Learning	302/1228766

# Denotes Current Registered Proprietor

Leases: -NIL

Easements: -

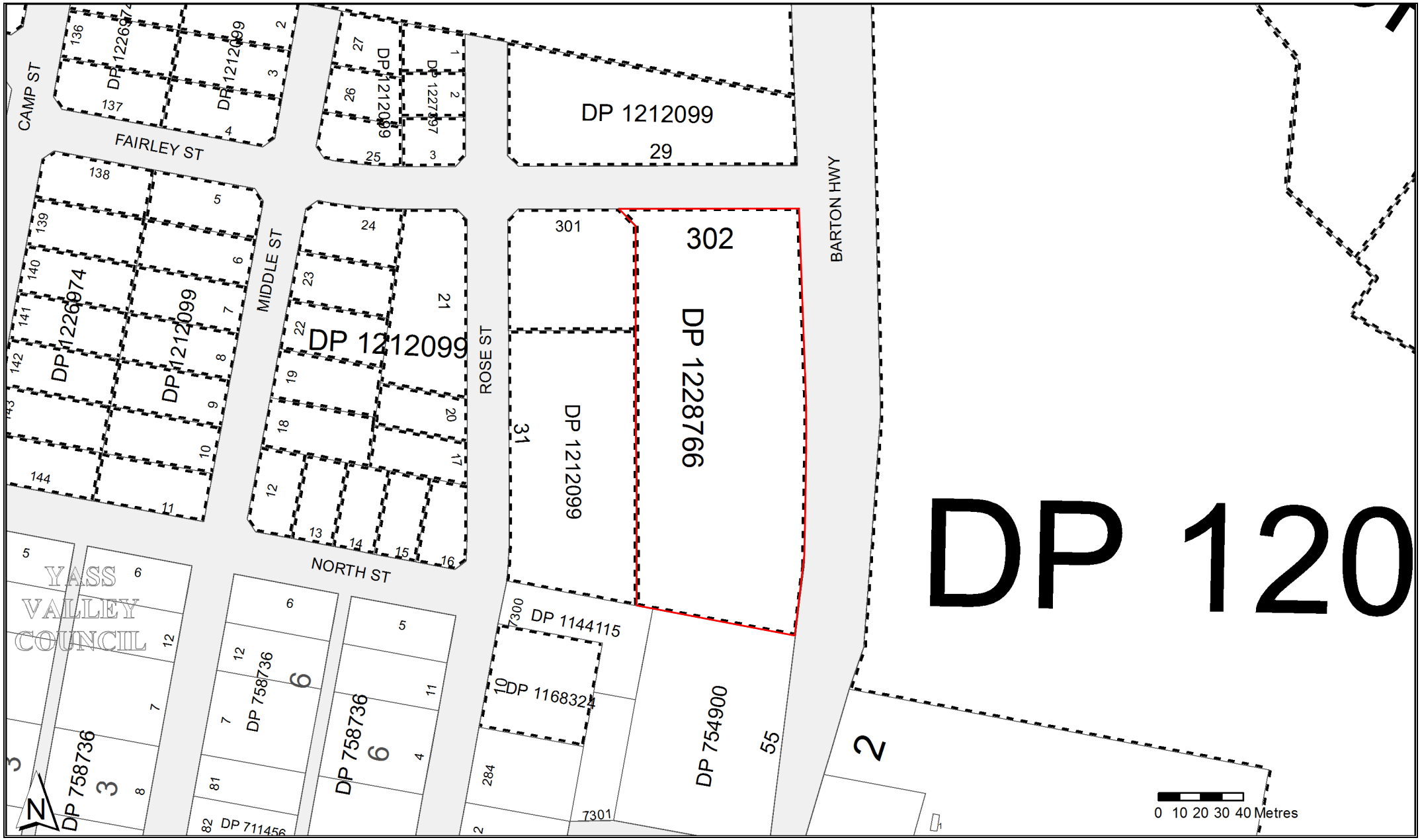
- 13.11.2015 (D.P. 1212099) Easement to Drain Water 3 metres wide
- 16.05.2017 (D.P. 1228766) Right of Carriageway variable width
- 16.05.2017 (D.P. 1228766) Easement to Drain Water 3 metres wide
- 16.05.2017 (D.P. 1228766) Easement to Drain Sewage 3 metres wide
- 16.05.2017 (D.P. 1228766) Easement for Water Supply 3 metres wide

Yours Sincerely,
Taylor Wilson
(Checked by Mark Groll)
12th May 2021

Cadastral Records Enquiry Report : Lot 302 DP 1228766

Ref : Murrumbateman 2 Fairley Street

Locality : MURRUMBATEMAN
Parish : NANIMA
LGA : YASS VALLEY
County : MURRAY



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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

InfoTrack

PLAN FORM 1 (A2) WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION ePlan Sheet 1 of 1 sheet

Req:R539822 /Doc:DP 1228766 P /Rev:16-May-2017 /NSW LRS /Pgs:ALL /Prt:24-Aug-2020 19:55 /Seq:1 of 4
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MGA (DP 1212099)

NOTES:
A DENOTES RIGHT OF CARRIAGEWAY VARIABLE WIDTH
B DENOTES EASEMENT FOR BORE 4 WIDE (DP 1212099)
C DENOTES EASEMENT FOR SERVICES 6 WIDE
E DENOTES EASEMENT FOR UNDERGROUND ELECTRICITY POWERLINES 2 WIDE (DP1212099)
F DENOTES EASEMENT FOR MULTI-PURPOSE ELECTRICAL INSTALLATION 6 WIDE (DP1212099)
G DENOTES EASEMENT FOR BORE PUMP BUILDING 6 WIDE (DP1212099)
H DENOTES EASEMENT TO DRAIN WATER 3 WIDE (DP1212099)
J DENOTES EASEMENT TO DRAIN WATER 3 WIDE
K DENOTES EASEMENT TO DRAIN SEWAGE 3 WIDE AND VAR
L DENOTES EASEMENT FOR WATER SUPPLY 3 WIDE

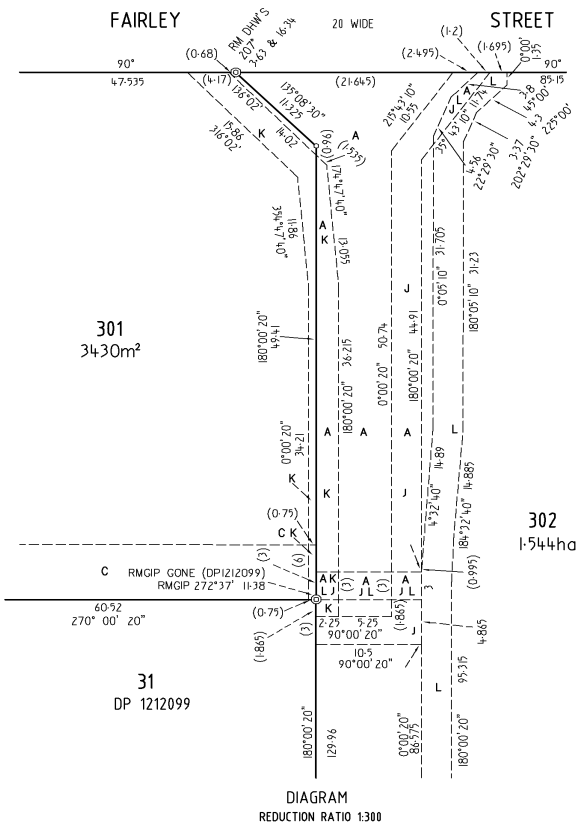
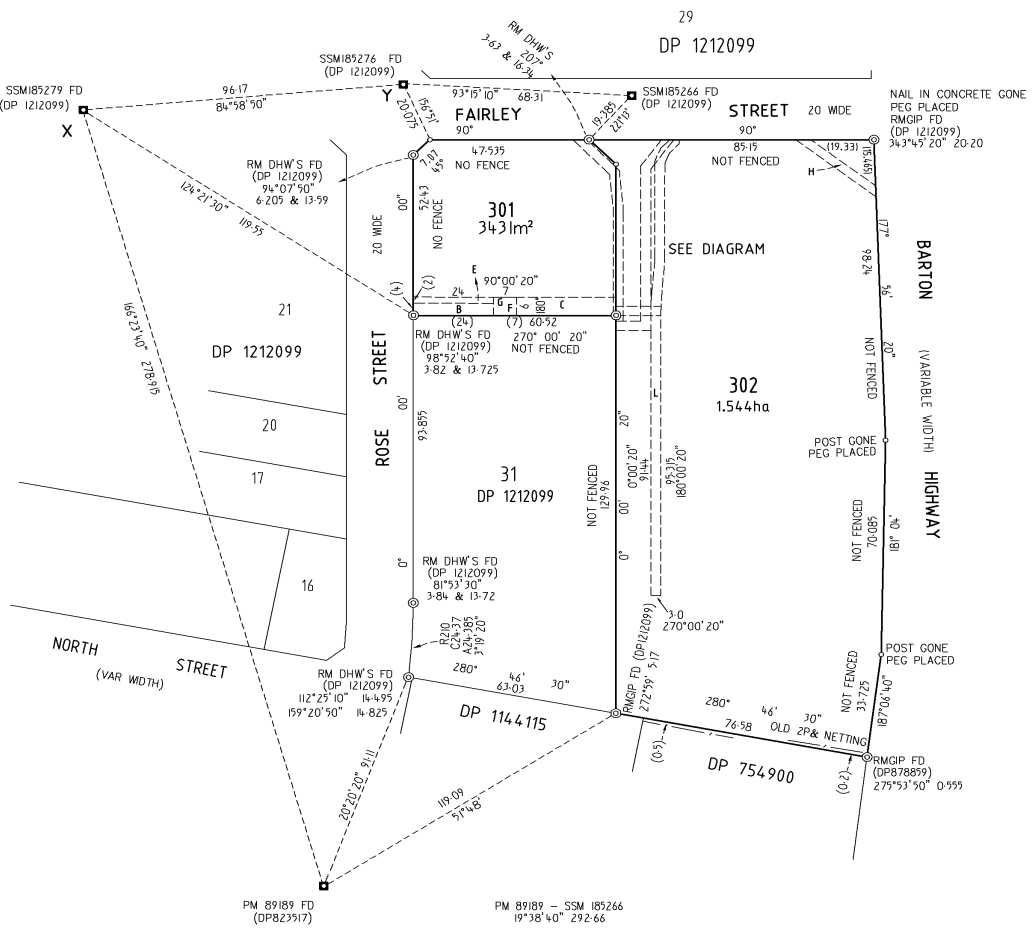


DIAGRAM
REDUCTION RATIO 1:300



SURVEYING AND SPATIAL INFORMATION REGULATION 2012 CLAUSE 61 (2)						
MARK	MGA: CO-ORDINATES EASTING	NORTHING	ZONE	ORDER	CLASS	SOURCE
SSM 89189	685215·805	6128626·415	55	U	C	DP 1212099
SSM 185266	685314·163	6128902·038	55	U	C	DP 1212099
SSM 185276	685245·970	6128905·912	55	U	C	DP 1212099
SSM 185279	685150·177	6128897·497	55	U	C	DP 1212099
COMBINED SEA LEVEL AND SCALE FACTOR 0·99993						
SOURCE: DP 1212099						

10 20 30 40 50 Table of mm 80 90 100 110 120 130 140

Surveyor: MICHAEL ROY STAPLETON Date of Survey: 1 FEBRUARY 2017 Surveyor's Ref: 0702IL30	PLAN OF SUBDIVISION OF LOT 30 DP1212099	LGA: YASS VALLEY Locality: MURRUMBATEMAN Subdivision No: 12/2017 Lengths are in metres. Reduction Ratio 1:1000	Registered 16.05.2017	DP1228766

Req:R539822 /Doc:DP 1228766 P /Rev:16-May-2017 /NSW LRS /Pgs:ALL /Prt:24-Aug-2020 19:55 /Seq:2 of 4
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PLAN FORM 6 (2013) WARNING: Creasing or folding will lead to rejection ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Office Use Only

Registered: 16.05.2017

Title System: TORRENS

Purpose: SUBDIVISION

Office Use Only

DP1228766

PLAN OF

SUBDIVISION OF LOT 30 DP 1212099

LGA: YASS VALLEY

Locality: MURRUMBATEMAN

Parish: NANIMA

County: MURRAY

Crown Lands NSW/Western Lands Office Approval

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.

Signature: .....

Date: .....

File Number: .....

Office: .....

Subdivision Certificate

I, Jeremy Thomas Knox

Authorised Person/~~General Manager~~/*~~Accredited Certifier~~, certify that the provisions of s.109J of the *Environmental Planning and Assessment Act 1979* have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.

Signature .....

Accreditation number: .....

Consent Authority: Yass Valley Council

Date of endorsement: 7 April 2017

Subdivision Certificate number: 12 / 2017

File number: PA. 7281

*Strike through if inapplicable.

Survey Certificate

I, MICHAEL ROY STAPLETON.....

of LANDDATA SURVEYS PTY LTD ABN 97118699728 .....

a surveyor registered under the *Surveying and Spatial Information Act 2002*, certify that:

*(a) The land shown in the plan was surveyed in accordance with the *Surveying and Spatial Information Regulation 2012*, is accurate and the survey was completed on 1/02/2017.....

*~~(b) The part of the land shown in the plan (*being/~~excluding ^ .....) ~~was surveyed in accordance with the *Surveying and Spatial Information Regulation 2012*, is accurate and the survey was completed on, ... the part not surveyed was compiled in accordance with that Regulation.~~

*~~(c) The land shown in this plan was compiled in accordance with the *Surveying and Spatial Information Regulation 2012*.~~

Signature: ..... Dated: 5/2/2017

Surveyor ID: 2016.....

Datum Line: X - Y.....

Type: *Urban/*~~Rural~~

The terrain is *Level-Undulating / *~~Steep-Mountainous~~.

*Strike through if inapplicable.

^Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey.

Statements of intention to dedicate public roads create public reserves and drainage reserves, acquire/resume land.

Plans used in the preparation of survey/compilation

DP 1212099, DP 878859, DP 823517

If space is insufficient continue on PLAN FORM 6A

Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A

Surveyor's Reference: 07021L30

Req:R539822 /Doc:DP 1228766 P /Rev:16-May-2017 /NSW LRS /Pgs:ALL /Prt:24-Aug-2020 19:55 /Seq:3 of 4
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PLAN FORM 6A (2012) WARNING: Creasing or folding will lead to rejection ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Office Use Only

Registered: 16.05.2017

Office Use Only

DP1228766

PLAN OF

SUBDIVISION OF LOT 30 DP 1212099

Subdivision Certificate number: 12 | 2017

Date of Endorsement: 7 April 2017

This sheet is for the provision of the following information as required:

- A schedule of lots and addresses - See 60(c) *SSI Regulation 2012*
- Statements of intention to create and release affecting interests in accordance with section 88B *Conveyancing Act 1919*
- Signatures and seals- see 195D *Conveyancing Act 1919*
- Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.

PURSUANT TO SECTION 88B OF THE CONVEYANCING ACT IT IS INTENDED TO CREATE

1. RIGHT OF CARRIAGEWAY VARIABLE WIDTH
2. EASEMENT FOR SERVICES 6 WIDE
3. EASEMENT TO DRAIN WATER 3 WIDE
4. EASEMENT TO DRAIN SEWAGE 3 WIDE AND VAR
5. EASEMENT FOR WATER SUPPLY 3 WIDE

PURSUANT TO SECTION 88B OF THE CONVEYANCING ACT IT IS INTENDED TO RELEASE:

1. EASEMENT TO DRAIN SEWAGE – ENTIRE LOT (DP1212099)
2. EASEMENT TO DRAIN WATER – ENTIRE LOT(DP1212099)

Signed by the registered proprietor

SIGNED BY AUTHORITY OF SHAW PROJECTS PTY LIMITED (ACN 079 814 994) in accordance with section 127(1) of the Corporations Act 2001)

Signature of Authorised Person	Signature of Authorised Person
MANAGING DIRECTOR	DIRECTOR
Office held	Office held
GRAEME SHAW	ANN SHAW.
(Print) Name of Authorised Person	(Print) Name of Authorised Person

If space is insufficient use additional annexure sheet

Surveyor's Reference: 07021L30

Req:R539822 /Doc:DP 1228766 P /Rev:16-May-2017 /NSW LRS /Pgs:ALL /Prt:24-Aug-2020 19:55 /Seq:4 of 4
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PLAN FORM 6A (2012) WARNING: Creasing or folding will lead to rejection ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Office Use Only

Registered: 16.05.2017

Office Use Only

DP1228766

PLAN OF

SUBDIVISION OF LOT 30 DP 1212099

This sheet is for the provision of the following information as required:

- A schedule of lots and addresses - See 60(c) *SSI Regulation 2012*
- Statements of intention to create and release affecting interests in accordance with section 88B *Conveyancing Act 1919*
- Signatures and seals- see 195D *Conveyancing Act 1919*
- Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.

Subdivision Certificate number: 12 | 2017

Date of Endorsement: 7 APRIL 2017

Lot	Street number	Street name	Street type	Locality
301	53	ROSE	STREET	MURRUMBATEMAN
302	2	FAIRLEY	STREET	MURRUMBATEMAN

Approved by Yass Valley Council:

Certified correct for the purposes of the Conveyancing Act 1919 by the authorised officer named below signing on behalf of Yass Valley Council:

Signature of Authorised Person

JEREMY THOMAS KNOX

(Print) Name of Authorised Officer

DEVELOPMENT PLANNER

Authority of Person signing on behalf of Yass Valley Council

If space is insufficient use additional annexure sheet

Surveyor's Reference: 07021L30

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
24/8/2020 7:56PM

FOLIO: 36/754900

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 1342 FOL 97

Recorded	Number	Type of Instrument	C.T. Issue
15/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
11/12/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
10/4/1991		AMENDMENT: TITLE DIAGRAM	
22/7/1998	DP878859	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

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Received: 24/08/2020 19:56:10

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
24/8/2020 7:55PM

FOLIO: 1/878859

First Title(s): VOL 1342 FOL 97
Prior Title(s): 36/754900

Recorded	Number	Type of Instrument	C.T. Issue
23/7/1998	DP878859	DEPOSITED PLAN	FOLIO CREATED EDITION 1
26/5/2004	AA669585	DEPARTMENTAL DEALING	
30/6/2006	AC414720	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	
30/6/2006	AC414721	TRANSMISSION APPLICATION	EDITION 2
12/10/2006	AC661709	TRANSFER	EDITION 3
13/11/2015	DP1212099	DEPOSITED PLAN	FOLIO CANCELLED RESIDUE REMAINS

*** END OF SEARCH ***

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Form: 03TA
Release: 2.0
www.lands.nsw.gov.au

(3)

TRANSMISSI APPLICATIO

New South Wales
Section 93 Real Property Act

AC414721B

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.

Office of State Revenue
NSW Treasury
Client No: 1405240 213
Duty: $10.00 Trans No: 3462940
Asst date:

STAMP DUTY Office of State Revenue use only

(A) [redacted] Torrens Title [redacted]

17 MAY 2007

(B) **REGISTERED DEALING** Number | Torrens Title

(C) **LODGED BY** Document Collection Box 106G

Name, Address or DX and Telephone
Collaery Lawyers
DX 24703 Manuka Ph: 02 6239 6033
LEPN: 123843H
THOMSON LAWPOINT GROUP
Phone: (02) 9233 1011
DX 340 SYDNEY
Reference: Mc2181/06 CC Law / McClung

CODE **TA**

(D) [redacted] [redacted]

(E) [redacted] [redacted]
(as to two thirds share) (remaining one third share) Tenants in Common

(F) I, the applicant, being entitled as beneficiaries of the estate of the deceased registered proprietor (who died on 20 February 2005) pursuant to probate No. 115585/05 granted on 4 October 2005 to See Annexure 1. (a certified copy of which is lodged herewith) apply to be registered as the proprietor of the estate or interest of the deceased registered proprietor in the abovementioned land. See Annexure 2.

DATE 12 May 2006.

(G) We, Sylvia Myra McClung, Keith Alexander McClung, and, Margaret Joan Bushell Executors of the Deceased Registered Proprietor consent to this application

x Sylvia McClung
x M J Bushell
x K A McClung

Witness: Rosemary Bonet, Solicitor, Monaro St Queanbeyan
Jolan Yik-Paal, Solicitor
Jolan Yik-Paal, Solicitor
30 Bougainville Street Manuka Act

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

Signature: Bernard Collaery
Signatory's name: BERNARD COLLAERY
Signatory's capacity: Barrister & Solicitor
Applicants' solicitor

(H) **CONSENT OF EXECUTOR, ADMINISTRATOR OR TRUSTEE**

I, Bernard Joseph Edward Collaery Solicitor for the Estate ~~CLICK & PICK >>>~~ of the deceased registered proprietor, consent to this application.

Signature of witness: [signature]
Name of witness: MIMI SIHARATH
Address of witness: 18 COWCHER PLACE, STIRLING.

Signature of Bernard Collaery

ALL HANDWRITING MUST BE IN BLOCK CAPITALS.
Office use only—
Evidence sighted/sighted and returned: .....

DEPARTMENT OF LANDS
LAND AND PROPERTY INFORMATION DIVISION
0507

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ANNEXURE TO TRANSMISSION APPLICATION

Annexure 1: Sylvia Myra McClung, Keith Alexander Harvey McClung and Margaret Joan Bushell.

Annexure 2: As tenants in common, namely, Margaret Joan Bushell as to an undivided two thirds share and Helen McClung as to the remaining undivided one third share.

Bernard Collaery

BERNARD COLLAERY
Barrister & Solicitor

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
24/8/2020 7:55PM

FOLIO: 30/1212099

First Title(s): VOL 1342 FOL 97
Prior Title(s): 1/878859

Recorded	Number	Type of Instrument	C.T. Issue
13/11/2015	DP1212099	DEPOSITED PLAN	FOLIO CREATED EDITION 1
16/5/2017	DP1228766	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

Murrumbateman 2 Fairley Street PRINTED ON 24/8/2020

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Received: 24/08/2020 19:55:48

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
12/5/2021 11:34AM

FOLIO: 302/1228766

First Title(s): VOL 1342 FOL 97
Prior Title(s): 30/1212099

Recorded	Number	Type of Instrument	C.T. Issue
16/5/2017	DP1228766	DEPOSITED PLAN	FOLIO CREATED EDITION 1
15/12/2020	AQ650550	TRANSFER	EDITION 2

*** END OF SEARCH ***

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Received: 12/05/2021 11:34:33

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 302/1228766

SEARCH DATE	TIME	EDITION NO	DATE
12/5/2021	11:34 AM	2	15/12/2020

LAND

LOT 302 IN DEPOSITED PLAN 1228766
AT MURRUMBATEMAN
LOCAL GOVERNMENT AREA YASS VALLEY
PARISH OF NANIMA COUNTY OF MURRAY
TITLE DIAGRAM DP1228766

FIRST SCHEDULE

MINISTER FOR EDUCATION AND EARLY CHILDHOOD LEARNING (T AQ650550)

SECOND SCHEDULE (8 NOTIFICATIONS)

1 LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND CONDITIONS IN FAVOUR OF THE CROWN - SEE CROWN GRANT(S)
2 DP1212099 EASEMENT TO DRAIN WATER 3 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
3 DP1212099 RESTRICTION(S) ON THE USE OF LAND
4 DP1228766 RIGHT OF CARRIAGEWAY VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
5 DP1228766 EASEMENT FOR SERVICES 6 METRE(S) WIDE APPURTENANT TO THE LAND ABOVE DESCRIBED
6 DP1228766 EASEMENT TO DRAIN WATER 3 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
7 DP1228766 EASEMENT TO DRAIN SEWAGE 3 METRE(S) WIDE AND VARIABLE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
8 DP1228766 EASEMENT FOR WATER SUPPLY 3 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

* 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.

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YP–bw BOOROWA SOIL LANDSCAPE

GENERAL

Gently undulating to undulating rises near Boorowa and between Yass and Murrumbateman. On crests and slopes are yellow to light reddish duplex soils most often with A_2 horizons and neutral reaction trends. They are similar to Yellow Podzolic Soils (Dy3.42). Mottling of the subsoil is common, and this usually overlies a slightly alkaline grey yellow mottled, medium to heavy clay layer which may have an undulating upper boundary. This has been interpreted as an earlier land surface (van Dijk 1959) or a subsolum feature (van Dijk 1969).

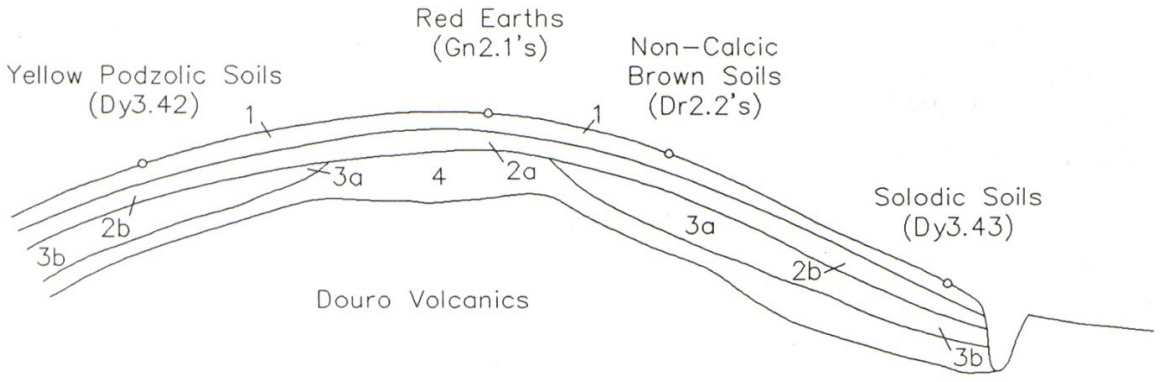
Other soils include Red and Yellow Earths (Gn2) and Non-calcic Brown Soils (Dr2.22) with Yellow Solodic Soils (Dy3.43) in drainage lines.

ASSOCIATED SOIL LANDSCAPES: Pockets of the Goulburn and Binalong soil landscapes are also found.

CLIMATIC ZONE: 10B and 11

Annual Average annual rainfall generally exceeds 600 mm. Winter dominant. Summers are warm and winters mild to cold.

YP–bw BOOROWA CREEK SOIL LANDSCAPE



1. Fine sandy loam
2a. Fine sandy clay loam
2b. Bleached fine sandy clay loam
3a. Reddish brown clay
3b. Yellow mottled clay
4. Grey–yellow mottled medium to heavy clay

GEOLOGY

Underlying geological formation is Douro volcanics. Coarse porphyritic rocks with generally 50% phenocrysts comprising coarse crystals of quartz-feldspar-biotite, quartz-feldspar-biotite-hornblende, or quartz-feldspar-hornblende in a fine-grained, blue grey to greenish matrix. Textures are frequently tuffaceous, occasionally brecciated or agglomeratic. They are usually massive rocks, sometimes interbedded with fine acid tuffaceous sandstone and siltstone. Soils have probably formed on an old land surface which overlies the volcanics.

LANDFORM

Gently undulating rises. Local relief is <30 m; slope gradients 1 – 10%. Permanent erosional stream channels are closely to very widely spaced and form a non-directional to convergent, integrated or interrupted tributary pattern. Elevations between 530 – 600 m.

NATIVE VEGETATION

The original vegetation probably included Savannah woodlands dominated by white box and red gum. Spear grass communities occur on lower lying land which is subject to frost.

EXISTING LAND USE

Extensively cultivated for winter cereals (mainly wheat). Sheep and cattle grazing.

SOIL EROSION

Minor gullying of drainage lines. Sheet and wind erosion occur during dry times and following cultivation.

YP–bw BOOROWA SOIL LANDSCAPE	
	Yellow Podzolic Soils
Dominance	Common
Landform element	Sideslopes
Surface condition	Hardsetting
Drainage	Moderate to imperfect
Soil permeability	Moderate
Watertable depth	Usually not present
Available water-holding capacity	Moderate to high
Depth to bedrock	>150 cm
Flood hazard	None
pH (topsoil)	5.5 - 6.0
Fertility (chemical)	Moderate
Known nutrient deficiencies	N, P, K, S
Soil salinity	Not present
Erodibility (topsoil)	Moderate
Erodibility (subsoil)	Low to moderate
Erosion hazard	Low to moderate
Structural degradation hazard	Moderate
Land capability classification	II, III, IV
USCS (subsoil)	CL, CH
Shrink-swell potential	Low to moderate
Mass movement hazard	Not likely

NSW SOIL AND LAND INFORMATION SYSTEM

Soil Technical Report

SITE DETAILS:

Survey:	Olive Grove Management Course - Murrumbateman (1004372)
Profile:	2
Location:	Midslope

PROFILE MAP DETAILS:

1:100,000 Mapsheet:	GUNNING (8728)	Locational Accuracy:	1:100 000
MGA Easting:	686013	MGA Northing:	6126584
MGA Zone:	55		

PROFILE DETAILS:

Described by:	Ms Janet Wild	Profile Date:	05 October, 2002
Nature of Exposure:	pit	Photo Taken:	
Base of observation:	layer continues	No of Layers:	6

SOIL AND MAP CODES:

Geology Map Code:		Soil Map Code:	
Aust. Soil Classification:	Chromosol, Red, No data available but sufficient knowledge		
Great Soil Group:	Red Podzolic Soil	Northcote PPF:	
Soil Taxonomy:		Atlas(Northcote) Code:	
Atlas (A&M) Code:			

TOPOGRAPHY:

Slope:	4% (estimated)		
Elevation:		Aspect:	north east

LANDFORM:

Site Morphology:	upper slope	Site Process:	
Slope Morphology:	waxing	Local Relief:	
Landform Pattern:		Landform Element:	hillslope
Plan Curvature:	Divergent	Position in Landform Element:	Upper
Microrelief:		Microrelief depth:	

Microrelief extent:

LITHOLOGY:

Solum PM: granite

Substrate: granite

Rock Outcrop: < 2%

Rock Outcrop (BSAL):

Outcrop Same As:

Substrate Strength:

Weathering & Alteration:

Discontinuities:

Fragment Amount: 0 %

VEGETATION:

Vegetation Formation:

Vegetation Community:

Growth Form(s):

Crown Separation Ratio:

Upper Stratum Height:

SITE CONDITION:

Ground Cover %: 100.00

Site Disturbance: irrigated cultivation

Current Condition: firm

Expected Dry Condition:

Expected Wet Condition:

Estimated Effective Rooting Depth:

LAND USE:

Site: orchards/vineyards

General Area: orchards/vineyards

Land Use Vegetation Species:

Prior Land Use:

HYDROLOGY:

Presence of Free Water: none

Free Water Depth:

Run-on: low

Runoff: moderate

Permeability:

Profile Drainage: well drained

Free Water pH:

Free Water EC:

EROSION:

Wind exposure:

Erosion Hazard: slight

SALINITY:

Salinity:	no salting evident		
Salt Outbreak Mapping:		Salt Outbreak Vegetation Species:	
EM Measurement 1 Type:		EM Measurement 1 horizontal:	
EM Measurement 1 vertical:			
EM Measurement 2 Type:		EM Measurement 2 horizontal:	
EM Measurement 2 vertical:			

FIELD NOTES: In Olive grove W edge, close to property boundary and windbreak trees

---

LAYER 0

Depth:	0.00 - 0.00 m		
Layer Notes:			
Vesicles:		Ped porosity:	

LAYER 1 A1 horizon

Depth:	0.00 - 0.20 m		
Layer Notes:	Very weak ploughpan at 0.10m		
TEXTURE:	sandy loam		
General Colour:	dark		

FIELD CHEMICAL TESTS:

pH:	6.5 (Raupach)	Field EC:	
HCl:		H2O2:	
AgNO3:			
Vesicles:		Ped porosity:	

SOIL WATER STATUS: moderately moist

BOUNDARY:

Distinctiveness:	gradual (50-100 mm)	Shape:	smooth

LAYER 2 A2 horizon

Depth:	0.20 - 0.40 m
Layer Notes:	Not bleached.
TEXTURE:	sandy loam
General Colour:	pale

FIELD CHEMICAL TESTS:

pH:	5.0 (Raupach)	Field EC:	
HCl:		H2O2:	
AgNO3:			
Vesicles:		Ped porosity:	
SOIL WATER STATUS:	moderately moist		
BOUNDARY:			
Distinctiveness:	clear (20-50 mm)	Shape:	smooth

LAYER 3	B horizon		
Depth:	0.40 - 0.70 m		
Layer Notes:	Emerson Dispersion Test - slaked no dispersion. Gradual change to yellow colour below approx 0.80m		
General Colour:	red		
FIELD CHEMICAL TESTS:			
pH:	6.0 (Raupach)	Field EC:	
HCl:		H2O2:	
AgNO3:			
STRUCTURE:			
Grade of Pedality:	weak pedality	Fabric:	rough-faced peds
Dominant Peds:	, angular blocky	Subdominant Peds:	
Artificial Aggregates:		SOILpak score:	
Vesicles:		Ped porosity:	
SOIL WATER STATUS:	moderately moist		
BOUNDARY:			
Distinctiveness:	clear (20-50 mm)	Shape:	smooth

LAYER 4	C horizon		
Depth:	0.70 - 1.00 m		
Layer Notes:			
General Colour:	red		
Vesicles:		Ped porosity:	

LAYER 99			
Layer Notes:			
Vesicles:		Ped porosity:	

LABORATORY TESTS

None available

For information on laboratory test data and units of measure, please see: Soil survey standard test methods

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Soil technical Report

NSW SOIL AND LAND INFORMATION SYSTEM

Soil Technical Report

SITE DETAILS:

Survey:	MSBP - Goulburn Soils Benchmarking Project (1004552)
Profile:	66
Location:	Barton Hwy - bw unit - intersection with Hillview Drive

PROFILE MAP DETAILS:

1:100,000 Mapsheet:	GUNNING (8728)	Locational Accuracy:	Other
MGA Easting:	685347	MGA Northing:	6129311
MGA Zone:	55		

PROFILE DETAILS:

Described by:	Mr Wayne Cook	Profile Date:	31 May, 2005
Nature of Exposure:	batter	Photo Taken:	both site & profile
Base of observation:	bedrock reached	No of Layers:	5

SOIL AND MAP CODES:

Geology Map Code:		Soil Map Code:	bwz (1)
Aust. Soil Classification:	Chromosol, Red, Pedaric, Haplic, thin, not recorded, loamy, clay loamy, moderate		
Great Soil Group:		Northcote PPF:	
Soil Taxonomy:		Atlas(Northcote) Code:	
Atlas (A&M) Code:			

TOPOGRAPHY:

Slope:	2% (measured)		
Elevation:	572.0 m	Aspect:	north east

LANDFORM:

Site Morphology:	hillock	Site Process:	residual
Slope Morphology:	waxing	Local Relief:	very low (9-30 m)
Landform Pattern:		Landform Element:	hillslope
Plan Curvature:		Position in Landform Element:	
Microrelief:		Microrelief depth:	

Microrelief extent:

LITHOLOGY:

Solum PM:	rhyolite	Substrate:	rhyolite
Rock Outcrop:	Nil	Rock Outcrop (BSAL):	
Outcrop Same As:		Substrate Strength:	
Weathering & Alteration:			
Discontinuities:			
Fragment Amount:			

VEGETATION:

Vegetation Formation:	grassland/herbland
Vegetation Community:	
Growth Form(s):	
Crown Separation Ratio:	
Upper Stratum Height:	

SITE CONDITION:

Ground Cover %:	95.00	Site Disturbance:	extensive clearing
Current Condition:	hard set, water repellent	Expected Dry Condition:	hard set
Expected Wet Condition:		Estimated Effective Rooting Depth:	

LAND USE:

Site:	volun./native pasture	General Area:	volun./native pasture, improved pasture, cropping
Land Use Vegetation Species:		Prior Land Use:	

HYDROLOGY:

Presence of Free Water:	none	Free Water Depth:	
Run-on:	low	Runoff:	low
Permeability:	moderately permeable	Profile Drainage:	mod. well drained
Free Water pH:		Free Water EC:	

EROSION:

Wind exposure:

Erosion Hazard: moderate

SALINITY:

Salinity: no salting evident

Salt Outbreak Mapping:

Salt Outbreak Vegetation Species:

EM Measurement 1 Type:

EM Measurement 1 horizontal:

EM Measurement 1 vertical:

EM Measurement 2 Type:

EM Measurement 2 horizontal:

EM Measurement 2 vertical:

FIELD NOTES:

LAYER 0

Depth: 0.00 - 0.00 m

Layer Notes:

Vesicles:

Ped porosity:

COARSE FRAGMENTS:

Type: not evident

Amount:

Distribution:

Orientation:

Weathering:

Shape:

Size:

LAYER 1 A1 horizon

Depth: 0.00 - 0.06 m

Layer Notes:

TEXTURE: coarse sandy loam

COLOUR:

Moist: dark brown (7.5YR 3/4)

FIELD CHEMICAL TESTS:

pH: 5.0 (Raupach)

Field EC:

HCl:

H2O2:

AgNO3:

STRUCTURE:

Grade of Pedality: massive

Fabric: sandy

Dominant Peds:

Subdominant Peds:

Artificial Aggregates:

SOILpak score:

Vesicles:		Ped porosity:	

COARSE FRAGMENTS:

Type:	as parent material	Amount:	few (2-10%)
Distribution:	dispersed	Orientation:	undisturbed
Weathering:		Shape:	sub-rounded
Size:	fine gravel (2-6 mm)		

COARSE FRAGMENTS:

Type:	quartz	Amount:	
Distribution:		Orientation:	
Weathering:		Shape:	
Size:			

PANS:

Type:	not evident	Cementation:	
Continuity:		Structure:	

SEGREGATIONS:

Type:	not evident	Amount:	
Strength:		Form:	
Size:			

ROOTS:

<1 mm size:	few (1-10/10x10cm)	1-2 mm size:	none
2-5 mm size:		>5 mm size:	

CONSISTENCE:

Degree of Plasticity:		Stickiness:	non-sticky
Texture Modifier:		Disruptive Test:	loose
Shearing Test:	crumbly	Toughness:	

SOIL WATER STATUS: dry

ERODIBILITY TESTS:

Crumb Test:	aggregates slake	Bolus Formation:	
Field Dilatency:			

SAMPLE TAKEN: disturbed

BOUNDARY:

Distinctiveness:	clear (20-50 mm)	Shape:	

LAYER 2	A2 horizon
Depth:	0.06 - 0.40 m
Layer Notes:	

TEXTURE: coarse sandy clay loam

COLOUR:

Moist:	reddish brown (dull reddish brown) (5YR 4/4)		

FIELD CHEMICAL TESTS:

pH:	5.0 (Raupach)	Field EC:	
HCl:		H2O2:	
AgNO3:			

STRUCTURE:

Grade of Pedality:	weak pedality	Fabric:	earthy
Dominant Peds:		Subdominant Peds:	
Artificial Aggregates:		SOILpak score:	
Vesicles:		Ped porosity:	

COARSE FRAGMENTS:

Type:	as parent material	Amount:	common (10-20%)
Distribution:	dispersed	Orientation:	undisturbed
Weathering:		Shape:	sub-rounded
Size:	fine gravel (2-6 mm)		

PANS:

Type:	not evident	Cementation:	
Continuity:		Structure:	

SEGREGATIONS:

Type:	not evident	Amount:	
Strength:		Form:	
Size:			

ROOTS:

<1 mm size:	few (1-10/10x10cm)	1-2 mm size:	none
2-5 mm size:		>5 mm size:	

CONSISTENCE:

Degree of Plasticity:		Stickiness:	moderately sticky
Texture Modifier:		Disruptive Test:	moderately weak force
Shearing Test:	brittle	Toughness:	

SOIL WATER STATUS: dry

ERODIBILITY TESTS:

Crumb Test:	aggregates slake	Bolus Formation:	
Field Dilatency:			

SAMPLE TAKEN: disturbed

BOUNDARY:

Distinctiveness:	clear (20-50 mm)	Shape:	

LAYER 3 B2 horizon

Depth: 0.40 - 0.80 m

Layer Notes:

TEXTURE: coarse medium sandy clay

COLOUR:

Moist: yellowish red (reddish brown) (5YR 4/6)

FIELD CHEMICAL TESTS:

pH:	6.0 (Raupach)	Field EC:	
HCl:		H2O2:	
AgNO3:			

STRUCTURE:

Grade of Pedality:	moderate pedality	Fabric:	
Dominant Peds:		Subdominant Peds:	
Artificial Aggregates:		SOILpak score:	
Vesicles:		Ped porosity:	

COARSE FRAGMENTS:

Type:	as parent material	Amount:	many (20-50%)
Distribution:	dispersed	Orientation:	undisturbed
Weathering:		Shape:	sub-rounded
Size:	fine gravel (2-6 mm)		

PANS:

Type:	not evident	Cementation:	
Continuity:		Structure:	

SEGREGATIONS:

Type:	not evident	Amount:	
Strength:		Form:	
Size:			

ROOTS:

<1 mm size:	few (1-10/10x10cm)	1-2 mm size:	none
2-5 mm size:		>5 mm size:	

CONSISTENCE:

Degree of Plasticity:		Stickiness:	moderately sticky
Texture Modifier:		Disruptive Test:	moderately firm force
Shearing Test:	brittle	Toughness:	

SOIL WATER STATUS: dry

ERODIBILITY TESTS:

Crumb Test:	aggregates slake	Bolus Formation:	

Field Dilatency:

SAMPLE TAKEN: disturbed

LAYER 99

Layer Notes:

Vesicles: Ped porosity:

LABORATORY TESTS

Sample Code: WEL/05/4/169(1) Upper bound: 0.00 Lower bound: 0.06

Name	Value	Unit of measure
3A1 [EC of 1:5 soil/water extract]	0.14	dS/m
4A1 [pH of 1:5 soil/water suspension]	5.5	pH
513.98 [Emerson aggregate test SCS method]	3(2)	

Sample Code: WEL/05/4/170(1) Upper bound: 0.06 Lower bound: 0.40

Name	Value	Unit of measure
3A1 [EC of 1:5 soil/water extract]	0.07	dS/m
4A1 [pH of 1:5 soil/water suspension]	5.8	pH
513.98 [Emerson aggregate test SCS method]	2(1)	

Sample Code: WEL/05/4/171(1) Upper bound: 0.40 Lower bound: 0.80

Name	Value	Unit of measure
3A1 [EC of 1:5 soil/water extract]	0.1	dS/m
4A1 [pH of 1:5 soil/water suspension]	6.6	pH
513.98 [Emerson aggregate test SCS method]	2(1)	

For information on laboratory test data and units of measure, please see: Soil survey standard test methods

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Appendix D

Historical Aerial Photographs

Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT: Hansen Yuncken Pty Ltd		
OFFICE: Canberra	DRAWN BY: SDG	
SCALE: NTS	DATE: 24.05.2021	

TITLE: **Aerial Photograph 1982**
Proposed New Public School
2 Fairley Street, Murrumbateman

N

PROJECT No:	203624.01
PLATE No:	D1
REVISION:	0

Douglas Partners Geotechnics / Environment / Groundwater	CLIENT: Hansen Yuncken Pty Ltd		TITLE: **Aerial Photograph 1989** **Proposed New Public School** **2 Fairley Street, Murrumbateman**
	OFFICE: Canberra	DRAWN BY: SDG	
	SCALE: NTS	DATE: 24.05.2021	

N

PROJECT No:	203624.01
PLATE No:	D2
REVISION:	0

Douglas Partners Geotechnics / Environment / Groundwater	CLIENT: Hansen Yuncken Pty Ltd	TITLE: **Aerial Photograph 1997** **Proposed New Public School** **2 Fairley Street, Murrumbateman**	PROJECT No: 203624.01
	OFFICE: Canberra / DRAWN BY: SDG		PLATE No: D3
	SCALE: NTS / DATE: 24.05.2021		REVISION: 0

Douglas Partners
Geotechnics / Environment / Groundwater

CLIENT: Hansen Yuncken Pty Ltd		
OFFICE: Canberra	DRAWN BY: SDG	
SCALE: NTS	DATE: 24.05.2021	

TITLE: **Aerial Photograph 2010**
Proposed New Public School
2 Fairley Street, Murrumbateman

N

PROJECT No:	203624.01
PLATE No:	D4
REVISION:	0

Douglas Partners Geotechnics / Environment / Groundwater	CLIENT: Hansen Yuncken Pty Ltd	TITLE: **Aerial Photograph 2015** **Proposed New Public School** **2 Fairley Street, Murrumbateman**	PROJECT No: 203624.01
	OFFICE: Canberra / DRAWN BY: SDG		PLATE No: D5
	SCALE: NTS / DATE: 24.05.2021		REVISION: 0

Douglas Partners Geotechnics / Environment / Groundwater	CLIENT: Hansen Yuncken Pty Ltd	TITLE: **Aerial Photograph 2017** **Proposed New Public School** **2 Fairley Street, Murrumbateman**	PROJECT No: 203624.01
	OFFICE: Canberra DRAWN BY: SDG		PLATE No: D6
	SCALE: NTS DATE: 24.05.2021		REVISION: 0

Douglas Partners Geotechnics / Environment / Groundwater	CLIENT: Hansen Yuncken Pty Ltd	TITLE: **Aerial Photograph 2020** **Proposed New Public School** **2 Fairley Street, Murrumbateman**	PROJECT No: 203624.01
	OFFICE: Canberra / DRAWN BY: SDG		PLATE No: D7
	SCALE: NTS / DATE: 24.05.2021		REVISION: 0

Appendix E

Site Photographs

Photo 1: General View of the Site, looking west

Photo 2: General view of the site looking north

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**		PROJECT:	203624.01
	2 Fairley Street		Plate	1
	Murrumbateman, NSW		REV:	A
	Client	Hansen Yuncken Pty Ltd	DATE:	25-May-21

Photo 3: General View of the site, looking west

Photo 4: General View of the site, looking east

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**		PROJECT:	203624.01
	2 Fairley Street		Plate	2
	Murrumbateman, NSW		REV:	A
	Client	Hansen Yuncken Pty Ltd	DATE:	25-May-21

Photo 5: General View of the site, looking south

Photo 6: View of the stockpile in the south of the site

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT:	203624.01
	2 Fairley Street	Plate	3
	Murrumbateman, NSW	REV:	A
	Client: Hansen Yuncken Pty Ltd	DATE:	25-May-21

Appendix F

Data Quality Objectives

Appendix F
Data Quality Objectives
2 Fairley Street, Murrumbateman

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	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 developed to a new primary school. The development is a state significant development and requirements of the regulator, (Department of Planning, Industry and Environmental), require a contamination assessment. A preliminary conceptual site model (CSM) has been prepared (Section 8) for the proposed development. The project team consisted of experienced environmental engineers and scientists working in the roles of Project Principal, Project Reviewer, Project Manager, Field staff. The project was undertaken in conjunction with a geotechnical investigation and some investigation locations were chosen to provide information for the geotechnical investigation as well as this PSI and this was a factor in designing the assessment.
2: Identify the decisions / goal of the study	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. 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.
3: Identify the information inputs	Inputs to the investigation will be the results of analysis of samples to measure the concentration 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. 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.
4: Define the study boundaries	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.

Step	Summary
5: Develop the analytical approach (or decision rule)	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. 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). 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 K and Appendix L.
6: Specify the performance or acceptance criteria	Baseline condition: Contaminants at the site and/or statistical analysis of data (in line with NEPC (2013)) exceed human health and environmental SAC and poses a potentially unacceptable risk to receptors (null hypothesis). Unless conclusive information from the collected data is sufficient to reject the null hypothesis, it is assumed that the baseline condition is true. Uncertainty that may exist due to the above potential decision errors shall be mitigated as follows: • 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. • The statistical assessment will only be able to be applied to certain datasets, 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.
7: Optimise the design for obtaining data	As the purpose of the sampling program was to assess for potential contamination across the site, the sampling program is reliant on professional judgement to identify and sample the potentially affected areas. Further details regarding the proposed sampling plan are presented in Section 9.

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.

Appendix G

Field Work Methodology

Appendix G
Field Work Methodology
2 Fairley Street, Murrumbateman

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 was carried out in accordance with DP standard operating procedures. The general sampling and sample management procedures comprised:

- Collect soil samples directly from the excavator bucket at the nominated sample depth for test pits and directly from the solid flight auger at the nominated sample depth for boreholes;
- Collect soil samples from the stockpile(s) from a depth of at least 0.3 m below the stockpile;
- Collect near surface samples using hand tools;
- 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;
- Collect ~40 g to 50 g samples in zip-lock bags for asbestos (presence / absence) analysis;
- 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 was carried out in accordance with DP standard operating procedures. The general sampling and sample management procedures comprised:

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.

Douglas Partners Pty Ltd

Appendix H

Derivation of Site Assessment Criteria

Appendix H
Derivation of Site Assessment Criteria
2 Fairley Street, Murrumbateman

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: silt

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 in Table 1 and Table 2.

Table 1: Health Investigation Levels (mg/kg)

Contaminant	HIL-A
Metals	
Arsenic	100
Cadmium	20
Chromium (VI)	100
Copper	6000
Lead	300
Mercury (inorganic)	40
Nickel	400
Zinc	7400
PAH	
B(a)P TEQ	3
Total PAH	300
OCP	
DDT+DDE+DDD	240
Aldrin and dieldrin	6
Chlordane	50
Endosulfan	270
Endrin	10
Heptachlor	6
HCB	10
Methoxychlor	300
OPP	
Chlorpyrifos	160
PCB	
PCB	1

Table 2: Health Screening Levels (mg/kg)

Contaminant	HSL-A&B	HSL-A&B	HSL-A&B	HSL-A&B
SILT	**0 m to <1 m**	**1 m to <2 m**	**2 m to <4 m**	**4 m+**
Benzene	0.6	0.7	1	2
Toluene	390	NL	NL	NL
Ethylbenzene	NL	NL	NL	NL
Xylenes	95	210	NL	NL
Naphthalene	4	NL	NL	NL
TRH F1	40	65	100	190
TRH F2	230	NL	NL	NL

Notes: TRH F1 is TRH C_6-C_{10} minus BTEX

TRH F2 is TRH >C_{10}-C_{16} minus naphthalene

The soil saturation concentration (Csat) 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 Csat, a soil vapour source concentration for a petroleum mixture could not exceed a level that would results 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)

Contaminant	DC HSL-A	DC HSL-IMW
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	12 000

Notes: TRH F1 is TRH C_6-C_{10} minus BTEX

TRH F2 is TRH >C_{10}-C_{16} 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)	After inspection of historical aerial photographs, it is considered that the site has not previously been developed.
pH	6.65	Samples were submitted for analysis of pH to determine site specific EILs.
CEC	13.8 $cmol_c/kg$	Samples were submitted for analysis of CEC to determine site specific EILs.
Clay content	36 %	Samples were submitted for analysis of clay content to determine site specific EILs.
Traffic volumes	High	Site is adjacent to Barton Highway, a high traffic artery.
State / Territory	NSW	Site is location in NSW.

Table 5: Ecological Investigation Levels (mg/kg)

Contaminant	EIL-A-B-C
Metals	
Arsenic	100
Copper	230
Nickel	210
Chromium III	620
Lead	1100
Zinc	640
PAH	

Contaminant	EIL-A-B-C
Naphthalene	170
OCP	
DDT	180

Notes: EIL-AES area of ecological significance

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_6-C_{10} minus BTEX
TRH F2 is TRH >C_{10}-C_{16} including naphthalene
EIL-AES is area of ecological significance

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 eg: penetration of, or damage to, in-ground services.

The adopted management limits are in Table 7.

Table 7: Management Limits (mg/kg)

Contaminant	Soil Type	ML-A-B-C
TRH F1	Fine	800
TRH F2	Fine	1000
TRH F3	Fine	3500
TRH F4	Fine	10 000

Notes: TRH F1 is TRH C_6-C_{10} including BTEX
TRH F2 is TRH >C_{10}-C_{16} including naphthalene

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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Inputs
Select contaminant from list below
As
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	Arsenic generic EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	20	40
Urban residential and open public spaces	50	100
Commercial and industrial	80	160

Inputs
Select contaminant from list below
Cr_III
Below needed to calculate fresh and aged ACLs
Enter % clay (values from 0 to 100%)
36
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
7
or for aged ABCs only
Enter State (or closest State)
NSW
Enter traffic volume (high or low)
high

Outputs		
Land use	Cr III soil-specific EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	150	210
Urban residential and open public spaces	320	620
Commercial and industrial	480	1000

Inputs
Select contaminant from list below
Cu
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
13.8
Enter soil pH (calcium chloride method) (values from 1 to 14)
6.65
Enter organic carbon content (%OC) (values from 0 to 50%)
1
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
7
or for aged ABCs only
Enter State (or closest State)
NSW
Enter traffic volume (high or low)
high

Outputs		
Land use	Cu soil-specific EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	70	95
Urban residential and open public spaces	130	230
Commercial and industrial	180	320

Inputs
Select contaminant from list below
DDT
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	DDT generic EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	3	3
Urban residential and open public spaces	180	180
Commercial and industrial	640	640

Inputs
Select contaminant from list below
Naphthalene
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	Naphthalene generic EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	10	10
Urban residential and open public spaces	170	170
Commercial and industrial	370	370

Inputs
Select contaminant from list below
Ni
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
13.8
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
7
or for aged ABCs only
Enter State (or closest State)
NSW
Enter traffic volume (high or low)
high

Outputs		
Land use	Ni soil-specific EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	35	40
Urban residential and open public spaces	90	210
Commercial and industrial	160	360

Inputs
Select contaminant from list below
Pb
Below needed to calculate fresh and aged ACLs
Below needed to calculate fresh and aged ABCs
or for fresh ABCs only
or for aged ABCs only

Outputs		
Land use	Lead generic EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	110	470
Urban residential and open public spaces	270	1100
Commercial and industrial	440	1800

Inputs
Select contaminant from list below
Zn
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
13.8
Enter soil pH (calcium chloride method) (values from 1 to 14)
6.65
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
7
or for aged ABCs only
Enter State (or closest State)
NSW
Enter traffic volume (high or low)
high

Outputs		
Land use	Zn soil-specific EILs (mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	85	240
Urban residential and open public spaces	230	640
Commercial and industrial	350	930

Appendix I

Results Tables

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Table I1: Summary of Laboratory Results – Metals, TRH, BTEX, PAH

			Metals								TRH						BTEX				PAH			
			Arsenic	Cadmium	Total Chromium	Copper	Lead	Mercury (inorganic)	Nickel	Zinc	TRH C6 - C10	TRH >C10-C16	F1 ((C6-C10)-BTEX)	F2 (>C10-C16 less Naphthalene)	F3 (>C16-C34)	F4 (>C34-C40)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene [b]	Benzo(a)pyrene (BaP)	Benzo(a)pyrene TEQ	Total PAHs
		PQL	4	0.4	1	1	1	0.1	1	1	25	50	25	50	100	100	0.2	0.5	1	1	1	0.05	0.5	0.05
Sample ID	Depth	Sample Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BH01/0.5	0.5 m	05/05/2021	<4	<0.4	29	25	18	<0.1	11	19	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BH10/0.5	0.5 m	06/05/2021	<4	<0.4	23	9	16	<0.1	6	16	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BH11/0.5	0.5 m	06/05/2021	16	<0.4	23	90	16	<0.1	10	14	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BH12/0.3	0.3 m	06/05/2021	19	<0.4	6	79	6	<0.1	5	4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BH12/0.5	0.5 m	06/05/2021	20	<0.4	10	110	9	<0.1	9	13	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
R2	0 m	06/05/2021	16	<0.4	10	130	10	<0.1	10	12	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BH13/0.5	0.5 m	06/05/2021	6	<0.4	38	40	67	<0.1	13	25	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT2/0.5	0.5 m	06/05/2021	<4	<0.4	32	16	20	<0.1	9	18	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT3/0.5	0.5 m	06/05/2021	4	<0.4	46	20	31	<0.1	17	22	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT3/1.0	1 m	06/05/2021	<4	<0.4	38	53	20	<0.1	16	31	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	65 180	NL -	- 1300	- 5600	0.7 65	NL 105	NL 125	210 45	NL 170	- 0.7	3 -	300 -
PIT4/0.1	0.1 m	06/05/2021	5	<0.4	31	41	18	<0.1	15	24	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
R4	0 m	06/05/2021	5	<0.4	35	42	20	<0.1	16	20	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT4/0.5	0.5 m	06/05/2021	<4	<0.4	48	16	18	<0.1	8	15	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT9/0.1	0.1 m	06/05/2021	5	<0.4	51	58	27	<0.1	13	23	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT9/0.5	0.5 m	06/05/2021	4	<0.4	44	41	19	<0.1	13	47	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT7/0.1	0.1 m	06/05/2021	<4	<0.4	34	36	20	<0.1	12	23	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BORE8/0.1	0 m	06/05/2021	<4	<0.4	36	12	15	<0.1	8	17	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BORE5/0.5	0.5 m	06/05/2021	<4	<0.4	34	38	24	<0.1	14	27	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BH06/0.1	0.1 m	06/05/2021	<4	<0.4	45	26	26	<0.1	10	25	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
PIT14/1.0	1 m	06/05/2021	<4	<0.4	26	12	18	<0.1	6	20	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	65 180	NL -	- 1300	- 5600	0.7 65	NL 105	NL 125	210 45	NL 170	- 0.7	3 -	300 -
PIT15/0.5	0.5 m	06/05/2021	<4	<0.4	40	12	23	<0.1	7	23	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -
BH01/0.5 - [TRIPLICATE]	0.5 m	05/05/2021	<4	<0.4	31	35	18	<0.1	10	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			100 100	20 -	100 620	6000 230	300 1100	40 -	400 210	7400 640	- -	- 120	40 180	230 -	- 1300	- 5600	0.6 65	390 105	NL 125	95 45	4 170	- 0.7	3 -	300 -

Lab result

HIL/HSL value EIL/ESL value

HIL/HSL exceedance EIL/ESL exceedance HIL/HSL and EIL/ESL exceedance ML exceedance ML and HIL/HSL or EIL/ESL exceedance

Indicates that asbestos has been detected by the lab, refer to the lab report **Blue** = DC exceedance HSL 0-<1 Exceedance

Bold = Lab detections - = Not tested or No HIL/HSL/EIL/ESL (as applicable) or Not applicable NL = Non limiting AD = Asbestos detected NAD = No Asbestos detected

HIL = Health investigation level HSL = Health screening level (excluding DC) EIL = 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

HIL 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)
EIL/ESL UR/POS	Urban Residential and Public Open Space (NEPC, 2013)
ML R/P/POS	Residential, Parkland and Public Open Space (NEPC, 2013)

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Table I2: Summary of Laboratory Results – OCP, OPP, PCB, Asbestos

			OCP												OPP	PCB	Asbestos		
			DDD	DDT+DDE+DDD [c]	DDE	DDT	Aldrin & Dieldrin	Total Chlordane	Endrin	Total Endosulfan	Heptachlor	Hexachlorobenzene	Methoxychlor		Chlorpyriphos	Total PCB	Asbestos ID in soil >0.1g/kg	Trace Analysis	Asbestos (50 g)
		PQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1			
Sample ID	Depth	Sample Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	-	-	-
BH01/0.5	0.5 m	05/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BH10/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BH11/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BH12/0.3	0.3 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BH12/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
R2	0 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BH13/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT2/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT3/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT3/1.0	1 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT4/0.1	0.1 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
R4	0 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT4/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT9/0.1	0.1 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT9/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT7/0.1	0.1 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BORE8/0.1	0 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BORE5/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BH06/0.1	0.1 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT14/1.0	1 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
PIT15/0.5	0.5 m	06/05/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	NAD	NAD	NAD
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			
BH01/0.5 - [TRIPLICATE]	0.5 m	05/05/2021	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
			- -	240 180	- -	- 180	6 -	50 -	10 -	270 -	6 -	10 -	300 -		160 -	1 -			

Lab result

HIL/HSL value EIL/ESL value

HIL/HSL exceedance EIL/ESL exceedance HIL/HSL and EIL/ESL exceedance ML exceedance ML and HIL/HSL or EIL/ESL exceedance

Indicates that asbestos has been detected by the lab, refer to the lab report **Blue** = DC exceedance HSL 0-<1 Exceedance

Bold = Lab detections - = Not tested or No HIL/HSL/EIL/ESL (as applicable) or Not applicable NL = Non limiting AD = Asbestos detected NAD = No Asbestos detected

HIL = Health investigation level HSL = Health screening level (excluding DC) EIL = 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

HIL 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)

EIL/ESL UR/POS Urban Residential and Public Open Space (NEPC, 2013)

ML R/P/POS Residential, Parkland and Public Open Space (NEPC, 2013)

Appendix J

Borehole and Test Pit Logs

BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 566 AHD
EASTING: 685367
NORTHING: 6128829
DIP/AZIMUTH: 90°/--

BORE No: 1
PROJECT No: 203624.00
DATE: 5-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
566	0.035	ASPHALT		A	0.2		PID = <1		
	0.35	FILL/GRAVEL (GW): fine to coarse grained up to 15mm size, dark grey, with silt, moist, medium dense, ROADBASE FILL		A	0.5		PID = <1		
		FILL/Silty CLAY (CI): medium plasticity, brown mottled orange, trace fine to coarse grained sand and fine gravel, moist, w<PL, stiff to very stiff, FILL		E S			5,7,10 N = 17		
565	1			E	0.95 1.0		PID = <1		1
	1.2	Clayey SILT (ML): low plasticity, dark grey, with fine to coarse grained sand, trace fine gravel, moist, w<PL, very stiff, colluvium							
	1.4	Silty CLAY (CL/CI): low to medium plasticity, yellow-orange-brown, with fine to coarse grained sand and ironstone nodules, moist, w<PL, stiff to very stiff, residual		E	2.0		PID = <1		
564	2			S			5,8,12 N = 20		2
					2.45		pp = 110		
563	3			A	3.3				3
		-from 3.4m, w~PL, firm		S	3.5		pp = 110 3,3,4 N = 7		
562	4				3.95				4
		-from 4.5m, yellow-pale brown		A	4.7				
561	5			S	5.0		pp = 400 5,12,17 N = 29		5
	5.3	DACITE: fine to coarse grained, yellow-pale brown, dry, extremely low strength, extremely weathered			5.45				
560	6	-from 6.2m, wet						▼	6
				S	6.5		7,14,25 N = 39		
559	7				6.95				7
				A	7.4				
558	8	8.0 Bore discontinued at 8.0m -limit of excavation		S	8.0		4,25 refusal		8
					8.45				
557	9								9

RIG: Gemco 210B **DRILLER:** GE Drilling **LOGGED:** TBO **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 8.0m

WATER OBSERVATIONS: Groundwater level at 6.2m, 1 hour after drilling

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 568 AHD
EASTING: 685367
NORTHING: 6128778
DIP/AZIMUTH: 90°/--

BORE No: 5
PROJECT No: 203624.00
DATE: 6-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water
568	0.0	FILL/Silty CLAY (CI): medium plasticity, brown, red-brown, with fine to coarse grained sand, trace fine to medium gravel to 30mm in size, moist to dry, w~PL, stiff to very stiff, FILL		E	0.1			
				E	0.5		6,9,9 N = 18	
	0.7	Silty CLAY (CI): medium plasticity, red-brown, trace fine to coarse grained sand, and ironstone nodules, moist to dry, w<PL, very stiff, colluvium		S				
567	1			E	0.95 1.0			
				A	1.3 1.4			
	1.6	Silty CLAY (CI/CH): medium to high plasticity, yellow-brown mottled orange-grey, trace fine to coarse grained sand and ironstone nodules, moist to dry, w<PL, very stiff, colluvium		A	1.8			
566	2			E	2.0			
	2.3	Silty CLAY (CI): medium plasticity, orange-brown mottled grey, with fine to coarse grained sand, trace fine gravel and weathered dacite, moist to dry, w<PL, very stiff to hard, residual		S	2.45		9,12,16 N = 28	
565	3			A	3.1			
	3.0	Silty CLAY (CI): medium plasticity, yellow-brown, trace fine to coarse grained sand and weathered dacite, moist tod dry, w<PL, very stiff to hard, residual			3.5			
	3.7	DACITE: fine to coarse grained, yellow-brown, dry to moist, very low to low strength, highly weathered, highly fractured, interbedded extremely weathered seams (drilled as medium plasticity sandy clay)		S	3.8		16,25/150 refusal	
564	4							
563	5			S	5.0		15,17,21 N = 38	
					5.45			
562	6			A	6.0			
				S	6.5		9,14,18 N = 32	VVV
561	7				6.95			
				A	7.5			
560	8			S	8.0		15/120 refusal (bouncing)	
	8.12	Bore discontinued at 8.12m -limit of excavation			8.12			
559	9							

Dynamic Penetrometer Test (blows per 150mm): 5, 10, 15, 20

RIG: Gemco 210B **DRILLER:** GE Drilling **LOGGED:** GM **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 8.12m

WATER OBSERVATIONS: Groundwater seepages approximately at 6.5-6.7m

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 569 AHD
EASTING: 685330
NORTHING: 6128770
DIP/AZIMUTH: 90°/--

BORE No: 6
PROJECT No: 203624.00
DATE: 6-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
569	0.3	FILL/Silty CLAY (CI): medium plasticity, brown, trace fine to coarse grained sand, fine to medium gravel, to 30mm in size, moist to dry, w<PL, very stiff to hard, FILL		E	0.1				
				A	0.3				
				E	0.5				
	0.8	Silty CLAY (CL/CI): low to medium plasticity, red-brown, trace fine to coarse grained sand, fine gravel and ironstone nodules to 10mm, moist to dry, w>PL, firm to stiff, colluvium		S			4,7,13 N = 20		
568	1								1
	1.2	-from 0.6m, dry to moist, w<PL, hard		A	0.95				
				E	1.0				
		Silty CLAY (CI): medium plasticity, yellow-brown mottled orange, trace fine to coarse grained sand, moist to dry, w~PL, very stiff to hard, colluvium		A	1.3				
					1.5				
					1.8				
567	2	Silty CLAY (CH): high plasticity, yellow-brown mottled grey, trace fine to coarse grained sand and fine gravel to 5mm in size, moist to day, w<PL, very stiff, residual		A	2.0				2
				E			4,7,11 N = 18		
				S					
					2.45				
	2.6	Silty CLAY (CI): medium plasticity, yellow-brown, brown, trace fine to coarse grained sand and weathered dacite, moist to dry, w<PL, very stiff to hard, residual			2.8				
566	3			A	3.0				3
	3.2	Silty CLAY (CI): medium plasticity, pale yellow-brown, with fine to coarse grained sand, trace weathered dacite, dry to moist, w<PL, hard, extremely weathered dacite			3.5				
				S			11,26/130 refusal		
565	4				3.78				4
564	5			S	5.0		15/90 refusal (bouncing)	▼	5
					5.09				
563	6								6
	6.5	DACITE: fine to coarse grain, pale brown, dry to moist, low strength, highly weathered, highly fractured		A	6.7				
562	7								7
561	8								8
	8.5	Bore discontinued at 8.5m -limit of excavation							
560	9								9

RIG: Gemco 210B **DRILLER:** GE Drilling **LOGGED:** GM **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 8.5m

WATER OBSERVATIONS: Groundwater level at 5.2m, 4 hours after drilling

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 569 AHD
EASTING: 685367
NORTHING: 6128747
DIP/AZIMUTH: 90°/--

BORE No: 8
PROJECT No: 203624.00
DATE: 6-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
569	0.1	TOPSOIL FILL/Sandy SILT (ML): low plasticity, brown, fine to medium grained sand, trace rootlets, wet, w>PL, firm , FILL		E	0.1				
				A	0.3				
				E	0.4				
	0.5	Silty CLAY (CL): low plasticity, red-brown, trace rootlets, moist, w>PL, firm to stiff, colluvium			0.5				
		-from 0.3 to 0.5m, ironstone nodules		S			4,5,7 N = 12		
568	1	Silty CLAY (CI/CH): medium to high plasticity, yellow-brown mottled red, trace fine to coarse grained sand and ironstone nodules, moist to dry, w~PL, very stiff, residual		E	0.95 1.0				
	1.6	DACITE: fine to coarse grained, brown, dry to moist, low strength, highly weathered, highly fractured			1.7				
				A	1.9				
567	2	-from 1.9m to 2.3m, extremely weathered, drilled as medium plasticity silty clay with sand, trace weathered rock fragments		E	2.0		6,17,25/40 refusal		
				S	2.34				
		-from 2.3m, very low to low strength, highly weathered, highly fractured, trace extremely weathered seams/pockets		A	2.5				
566	3				3.5				
				S	3.75		17,25/130 refusal		
565	4								
				A	4.5				
564	5				5.0			▼	
				S			17,22,21 N = 43		
563	6				5.45				
								▷	
				S	6.5 6.63		25/130 refusal		
562	7								
561	8	8.0 Bore discontinued at 8.0m -limit of excavation							
560	9								

RIG: Gemco 210B **DRILLER:** GE Drilling **LOGGED:** GM **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 8.0m

WATER OBSERVATIONS: Groundwater at 6.4m, groundwater level at about 5.0m 2 hours after drilling

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 566 AHD
EASTING: 685269
NORTHING: 6128667
DIP/AZIMUTH: 90°/--

BORE No: 10
PROJECT No: 203624.00
DATE: 6-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
566	0.035	ASPHALT		A	0.02				
		FILL/GRAVEL (GW): fine to coarse gravel up to 15mm, with silt, dark grey, moist, medium dense, ROADBASE FILL		A E	0.1		PID = 1.7		
				E	0.3		PID = 1.4		
	0.4	FILL/Silty CLAY (CI/CH): medium to high plasticity, orange mottled brown, trace fine to coarse grained sand, moist, w<PL, stiff, FILL		A E	0.5		PID = 2.7		
	0.6	Sandy SILT (ML): low plasticity, dark-grey, fine to coarse grained sand, with fine to medium gravel, moist, w<PL, stiff, colluvium		A	0.7				
	0.75	Silty CLAY (CL): low plasticity, yellow-orange brown, trace fine to coarse grained sand, moist, w<PL, stiff to very stiff, colluvium							
565	1			A E	1.0		PID < 1		1
	1.4	Silty CLAY (CI/CH): medium to high plasticity, yellow pale brown, with ironstone nodules, moist, w<PL, very stiff, residual		A	1.4				
564	2			E	2.0		PID < 1		2
				A	2.5				
	2.7	Bore discontinued at 2.7m -limit of excavation							

RIG: CAT403C excavator **DRILLER:** Bingley **LOGGED:** TBO **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 1.0m, extension to 2.7m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 567 AHD
EASTING: 685237
NORTHING: 6128680
DIP/AZIMUTH: 90°/--

BORE No: 11
PROJECT No: 203624.00
DATE: 6-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
567	0.055	ASPHALT		A	0.01				
		FILL/GRAVEL (GW): fine to coarse gravel up to 15mm, with silt, dark grey, moist, medium dense, ROADBASE FILL		E	0.1		PID = 1.5		
				A E	0.3		PID < 1		
	0.4	FILL/Silty CLAY (CI): medium plasticity, orange-red mottled brown, trace fine to coarse grained sand, moist, w<PL, stiff, FILL		E	0.5		PID < 1		
				A	0.6				
	0.7	Silty CLAY (CI/CH): medium to high plasticity, yellow-orange brown, trace fine to coarse grained sand, moist, w<PL, stiff to very stiff, colluvium							
566	1			E	1.0		PID < 1		1
	1.6	Gravelly CLAY (CL): low plasticity, pale brown-grey, fine to medium gravel, with fine to coarse grained sand and ironstone nodules, moist, w~PL, very stiff, colluvium		A	1.8				
	1.9	Silty CLAY (CH): high plasticity, yellow, trace fine gravel and ironstone nodules, moist, w<PL, very stiff to hard, residual							
565	2			A E	2.0		PID < 1		2
				A	2.5				
	2.6	Bore discontinued at 2.6m -limit of excavation							

RIG: CAT403C excavator **DRILLER:** Bingley **LOGGED:** TBO **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 1.0m, extension to 2.6m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 568 AHD
EASTING: 685200
NORTHING: 6128598
DIP/AZIMUTH: 90°/--

BORE No: 12
PROJECT No: 203624.00
DATE: 6-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
568	0.035	ASPHALT							
		FILL/GRAVEL (GW): fine to coarse gravel up to 15mm, dark grey, with silt, moist, medium dense, ROADBASE FILL		A	0.1		PID < 1		
				E					
				E	0.3		PID < 1		
	0.4	FILL/Silty CLAY (CL/CI): low to medium plasticity, red mottled brown, with fine gravel and fine to coarse grained sand, moist, w<PL, stiff to very stiff, FILL		E	0.5		PID < 1		
				A	0.6				
567	1.0	Silty CLAY (CH): high plasticity, yellow mottled red-brown, trace fine gravel and fine to coarse grained sand, moist, w<PL, very stiff, colluvium		E	1.0		PID < 1		1
				A	1.1				
	1.5	Sandy CLAY (CL): low plasticity, pale brown-grey mottled yellow, fine to coarse grained sand, with fine to medium gravel, moist, w<PL, very stiff, colluvium		E	1.5		PID < 1		
				A	1.6				
	1.8	Silty CLAY (CL/CI): low to medium plasticity, yellow mottled orange, trace fine gravel, fine to coarse grained sand and ironstone nodules, moist to dry, w<PL, very stiff to hard, residual							
566	2			E	2.0		PID < 1		2
				A	2.2				
	2.3	Silty CLAY (CH): high plasticity, yellow, trace fine gravel and ironstone nodules, moist, w<PL, very stiff to hard, residual							
	2.5	Bore discontinued at 2.5m -limit of excavation							

RIG: CAT403C excavator **DRILLER:** Bingley **LOGGED:** TBO **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 1.0m, extension to 2.5m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 569 AHD
EASTING: 685201
NORTHING: 6128574
DIP/AZIMUTH: 90°/--

BORE No: 13
PROJECT No: 203624.00
DATE: 6-5-2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
569	0.035	ASPHALT							
		FILL/GRAVEL (GW): fine to coarse gravel up to 15mm, dark grey, with silt, moist, medium dense, ROADBASE FILL		E	0.1		PID = 2.5		
				A	0.2				
	0.3	Gravelly Sandy SILT (ML): low plasticity, brown-grey, fine to coarse grained sand, moist, stiff to very stiff, colluvium		E	0.3		PID < 1		
				A	0.4				
	0.5	Silty CLAY (CI/CH): medium to high plasticity, yellow mottled grey, moist, w<PL, very stiff, colluvium		E	0.5		PID < 1		
				A	0.7				
				B					
568	1			E	1.0		PID < 1		1
	1.4	Silty CLAY (CI): medium plasticity, yellow mottled grey, moist, w<PL, very stiff, colluvium		A	1.6				
	1.9	Sandy CLAY (CL): low plasticity, yellow, fine to coarse grained, with fine to medium gravel and ironstone nodules, dry, w<<PL, hard, residual		A E	2.0		PID < 1		
567	2								2
	2.1	DACITE: fine to coarse grained, orange-yellow, dry, extremely low strength, extremely weathered							
	2.5	Bore discontinued at 2.5m -limit of excavation							

RIG: CAT403C excavator **DRILLER:** Bingley **LOGGED:** TBO **CASING:** N/A

TYPE OF BORING: Continuous flight auger to 1.0m, extension to 2.5m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Location coordinates are in MGA94 Zone 55. 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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 567 AHD
EASTING: 685348
NORTHING: 6128814

PIT No: 2
PROJECT No: 203624.00
DATE: 6/5/2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
567	0.15	FILL/Silty CLAY (CI): medium plasticity, brown-red, with fine to coarse grained sand, trace fine gravel, moist, w<PL, stiff to very stiff, FILL		D	0.1		PID = <1		
				E					
		FILL/Sandy CLAY (CL): low plasticity, brown mottled orange, fine to coarse grained sand, with fine to coarse gravel and cobbles up to 70mm in size, dry, w<PL, hard, FILL		D	0.3				
	0.5			E	0.5		PID = <1		
		FILL/Silty CLAY (CL/CI): low to medium plasticity, orange-red mottled yellow, trace ironstone nodules, moist to dry, w<PL, very stiff, FILL		D	0.8				
566	1			E	1.0		PID = <1		1
	1.2	Clayey SILT (ML): low plasticity, dark grey, dry, w<PL, very stiff to hard, colluvium, slight organic smell		D	1.3				
	1.45	Silty CLAY (CI): medium plasticity, yellow mottled orange, trace fine to coarse grained sand and fine gravel, dry to moist, w<PL, very stiff, residual		D	1.6				
	1.8	Silty CLAY (CH): high plasticity, orange mottled grey, trace ironstone nodules, moist, w<PL, very stiff to hard, residual							
565	2			E	2.0		PID = <1		2
				D	2.1				
	2.5	Pit discontinued at 2.5m -limit of excavation							

Dynamic Penetrometer Test (blows per 150mm): 5, 10, 15, 20

RIG: CAT403C excavator fitted with a 300mm wide bucket

LOGGED: TBO

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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 567 AHD
EASTING: 685380
NORTHING: 6128798

PIT No: 3
PROJECT No: 203624.00
DATE: 6/5/2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
567	0.2	FILL/Silty CLAY (CI): medium plasticity, brown-red, with fine to coarse grained sand, trace fine gravel, moist, w<PL, stiff to very stiff, FILL		D E	0.1				
		FILL/Sandy CLAY (CL): low plasticity, brown mottled orange, fine to coarse grained sand, with fine to coarse gravel and cobbles up to 70mm in size, dry, w<PL, hard, FILL		E	0.3				
				B D E	0.5				
	0.7	FILL/Sandy CLAY (CI): medium plasticity, orange, yellow-brown, fine to coarse grained, with fine to coarse gravel, trace cobbles up to 75mm in size, moist, W<PL, very stiff, FILL			0.7				
	0.9			D	0.8				
566	1	Clayey SILT (ML): low plasticity, dark grey, dry, w<PL, very stiff to hard, colluvium, slight organic smell		E	1.0				1
				D	1.2				
	1.4	Silty CLAY (CL): low plasticity, red-orange, with fine to coarse grained sand, trace fine gravel, dry to moist, w<PL, hard, residual							
				D	1.6				
	1.8	Silty CLAY (CL): medium plasticity, yellow mottled orange, trace fine to coarse grained sand and fine gravel, moist to dry, w<PL, very stiff residual							
565	2			E	2.0				2
				D	2.2				
	2.5	Pit discontinued at 2.5m -limit of excavation							

RIG: CAT403C excavator fitted with a 300mm wide bucket

LOGGED: TBO

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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 568 AHD
EASTING: 685327
NORTHING: 6128795

PIT No: 4
PROJECT No: 203624.00
DATE: 6/5/2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
568		FILL/Silty CLAY (CI): medium plasticity, brown-red, with fine to coarse grained sand, trace fine gravel, moist, w<PL, stiff to very stiff, FILL		E	0.1				
				D	0.2				
	0.45	FILL/Sandy CLAY (CL): low plasticity, pale brown mottled orange, fine to coarse grained sand, with fine to coarse gravel and cobbles up to 70mm in size, dry, w<PL, hard, FILL		D E	0.5				
567	1.0	Silty CLAY (CI): medium plasticity, red mottled orange, trace fine to coarse grained sand and ironstone nodules, moist to dry, w<PL, very stiff, colluvium		D E	1.0				1
		-from 1.4m, pale brown, orange		D	1.5				
	1.75			D	1.7				
		Silty CLAY (CH): high plasticity, orange mottled grey, trace ironstone nodules, moist, w<PL, very stiff to hard, residual							
566	2.1			E	2.0				2
		Gravelly CLAY (CL): low plasticity, pale brown-grey, fine to medium gravel, with fine to coarse sand and ironstone nodules, moist, w<PL, very stiff, residual		D	2.2				
	2.5	Pit discontinued at 2.5m -limit of excavation							

RIG: CAT403C excavator fitted with a 300mm wide bucket

LOGGED: TBO

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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 568 AHD
EASTING: 685379
NORTHING: 6128761

PIT No: 7
PROJECT No: 203624.00
DATE: 6/5/2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
568		FILL/Sandy CLAY (CL): low plasticity, brown mottled orange, fine to coarse grained sand, with fine to coarse gravel and cobbles up to 70mm in size, dry, w<PL, hard, FILL		D	0.1				
				E					
		-from 0.2m, brown mottled red		D	0.3				
	0.4	Silty CLAY (CI): medium plasticity, red mottled orange, trace fine to coarse grained sand and ironstone nodules, moist to dry, w<PL, very stiff, colluvium		E	0.5				
				B					
				D	0.7				
567	1			E	1.0				1
				D	1.2				
	1.4	Silty CLAY (CI): medium plasticity, yellow mottled orange, trace fine to coarse grained sand and fine gravel, dry to moist, w<PL, very stiff, residual							
				D	1.7				
566	2			E	2.0				2
	2.0	Sandy CLAY (CL): low plasticity, yellow, fine to coarse grained, with fine to coarse gravel, and ironstone nodules, dry, w<PL, hard, residual							
				D	2.3				
	2.5	Pit discontinued at 2.5m -limit of excavation							

RIG: CAT403C excavator fitted with a 300mm wide bucket

LOGGED: TBO

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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 570 AHD
EASTING: 685332
NORTHING: 6128728

PIT No: 9
PROJECT No: 203624.00
DATE: 6/5/2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
570	0.2	FILL/Silty CLAY (CI): medium plasticity, brown-red, with fine to coarse grained sand, trace fine gravel, moist, w<PL, stiff to very stiff, FILL		D E	0.1				
		CLAY (CH): high plasticity, yellow orange mottled pale brown, trace ironstone, moist, w<PL, very stiff, residual		D E B	0.5				
					0.7				
569	1.0	DACITE: fine to coarse grained, orange-yellow, dry, extremely low strength, extremely weathered		E	1.0				
				D	1.2				
		-from 1.6m, very low strength, highly weathered							
568	2			E	2.0				
				D	2.2				
	2.5	Pit discontinued at 2.5m -limit of excavation							

RIG: CAT403C excavator fitted with a 300mm wide bucket

LOGGED: TBO

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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 570 AHD
EASTING: 685352
NORTHING: 6128735

PIT No: 14
PROJECT No: 203624.00
DATE: 6/5/2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm) 5 10 15 20
570	0.15	TOPSOIL FILL/Silty CLAY (CL): low plasticity, brown, with fine to coarse grained sand, fine to coarse gravel and rootlets, moist, stiff		E	0.1				
		FILL/Sandy SILT (ML): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, dry, w<<PL, hard, FILL		E	0.5				
569	1			D E	1.0				1
	1.7	FILL/Clayey SILT (ML): low plasticity, dark grey, dry, w<PL, very stiff to hard, FILL, pungent smell							
568	2			D E	2.0				2
	2.3	Silty CLAY (CI): medium plasticity, yellow mottled orange, trace fine to coarse grained sand and fine gravel, dry to moist, w<PL, very stiff, residual		D	2.3				
	2.4	Pit discontinued at 2.4m -limit of excavation							

RIG: CAT403C excavator fitted with a 300mm wide bucket

LOGGED: TBO

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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: Hansen Yuncken Pty Ltd
PROJECT: Proposed New Public School
LOCATION: Fairley Street, Murrumbateman

SURFACE LEVEL: 570 AHD
EASTING: 685365
NORTHING: 6128736

PIT No: 15
PROJECT No: 203624.00
DATE: 6/5/2021
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per 150mm)
570	0.0	TOPSOIL FILL/Silty CLAY (CL): low plasticity, brown, with fine to coarse grained sand, fine to coarse gravel and rootlets, moist, stiff		D E	0.1				
	0.2	FILL/Sandy SILT (ML): low plasticity, pale brown, fine to coarse grained sand, trace fine gravel, dry, w<<PL, hard, FILL		D E	0.5				
569	1			E	1.0				1
568	2			E	2.0				2
	2.2	FILL/Clayey SILT (ML): low plasticity, dark grey, dry, w<PL, very stiff to hard, FILL, pungent smell		D	2.4				
	2.7	Silty CLAY (CI): medium plasticity, yellow mottled orange, trace fine to coarse grained sand and fine gravel, dry to moist, w<PL, very stiff, residual		D	2.9				
	3.0	Pit discontinued at 3.0m- limit of excavation							

Dynamic Penetrometer Test (blows per 150mm): 5, 10, 15, 20

RIG: CAT403C excavator fitted with a 300mm wide bucket

LOGGED: TBO

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	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Appendix K

Laboratory Certificates of Analysis and Chain of Custody Documentation

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CHAIN OF CUSTODY DESPATCH SHEET

Project No:	203624.01	**Suburb:** Murrumbateman	**To:** Envirolab Services
Project Name:	Murrumbateman School	**Order Number**	12 Ashley St, Chatswood NSW 2067
Project Manager:	Peter Storey	**Sampler:** EAGL	**Attn:** Jacinta Hurst
Emails:	peterstorey@douglaspartners.comau		**Phone:** 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐		**Email:**
Prior Storage:	☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM? Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)	

Sample ID	Lab ID	Date Sampled	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes: Combo 6a	CEC, pH, Clay content		HOLD						Notes/preservation
BH01/0.1	1	5/5/21	S	G				x						268793
BH01/0.5	2	"	S	G	x									
BH01/1.4	3	"	S	G				x						
BH01/2.0	4	"	S	G				x						
BH10/0.1	5	6/5/21	S	G				x						
BH10/0.3	6	"	S	G				x						COC 14/5
BH10/0.5	7	"	S	G	x									
BH10/1.0	8	"	S	G				x						
BH10/2.0	9	"	S	G				x						
BH11/0.1	10	"	S	G				x						
BH11/0.3	11	"	S	G				x						
BH11/0.5	12	"	S	G	x									
BH11/1.0	13	"	S	G				x						
BH11/2.0	14	"	S	G				x						
BH12/0.1	15	"	S	G				x						
PQL (S) mg/kg		✓												**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:

Lab Report/Reference No:

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:**	**Date & Time:**

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	203624.01	**Suburb:**	Murrumbateman	**To:**	Envirolab Services
Project Name:	Murrumbateman School	**Order Number**			12 Ashley St, Chatswood NSW 2067
Project Manager:	Peter Storey	**Sampler:**	EAGL	**Attn:**	Jacinta Hurst
Emails:	peterstorey@douglaspartners.comau			**Phone:**	9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐			**Email:**	
Prior Storage:	☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type (S - soil W - water)	Container Type (G - glass P - plastic)	Analytes: Combo 6a	CEC, pH, Clay content		HOLD						Notes/preservation
BH12/0.3	16	6/5/21	S	G	x									
BH12/0.5	17		S	G	x									
BH12/1.0	18		S	G				x						
BH12/2.0	19		S	G				x						
BH13/0.1	20		S	G				x						
BH13/0.3	21		S	G				x						
BH13/0.5	22		S	G	x									
BH13/1.0	23		S	G				x						
BH13/2.0	24		S	G				x						
PIT2/0.1	25		S	G				x						
PIT2/0.5	26		S	G	x									
PIT2/1.0	27		S	G				x						
PIT2/2.0	28		S	G				x						
PIT3/0.1	29		S	G				x						
PIT3/0.5	30	✓	S	G	x									
PQL (S) mg/kg														**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:

Lab Report/Reference No:

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:**	**Date & Time:**	

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 203624.01	**Suburb:** Murrumbateman	**To:** Envirolab Services	
Project Name: Murrumbateman School	**Order Number**	12 Ashley St, Chatswood NSW 2067	
Project Manager: Peter Storey	**Sampler:** EAGL	**Attn:** Jacinta Hurst	
Emails: peterstorey@douglaspartners.comau		**Phone:** 9910 6200	
Date Required: Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐		**Email:**	
Prior Storage: ☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM? Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type (S - soil W - water)	Container Type (G - glass P - plastic)	Analytes: Combo 6a	CEC, pH, Clay content		HOLD						Notes/preservation
PIT3/1.0	31	6/5/21	S	G	x	x								
PIT3/2.0	32		S	G				x						
PIT4/0.1	33		S	G	x									
PIT4/0.5	34		S	G	x									
PIT4/1.0	35		S	G				x						
PIT4/2.0	36		S	G				x						
PIT9/0.1	37		S	G	x									
PIT9/0.5	38		S	G	x	x								
PIT9/1.0	39		S	G				x						
PIT9/2.0	40		S	G				x						
PIT7/0.1	41		S	G	x									
PIT7/0.5	42		S	G				x						
PIT7/1.0	43		S	G				x						
PIT7/2.0	44		S	G				x						
BORE8/0.1	45	✓	S	G	x									
PQL (S) mg/kg													**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:

Lab Report/Reference No:

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:** **Date & Time:**

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 203624.01	**Suburb:** Murrumbateman	**To:**	Envirolab Services
Project Name: Murrumbateman School	**Order Number**		12 Ashley St, Chatswood NSW 2067
Project Manager: Peter Storey	**Sampler:** EAGL	**Attn:**	Jacinta Hurst
Emails: peterstorey@douglaspartners.comau		**Phone:**	9910 6200
Date Required: Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐		**Email:**	
Prior Storage: ☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM? Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type (S - soil, W - water)	Container Type (G - glass, P - plastic)	Analytes: Combo 6a	CEC, pH, Clay content		HOLD						Notes/preservation
BORE8/0.5	46	6/5/21	S	G				x						
BORE8/1.0	47		S	G				x						
BORE8/2.0	48		S	G				x						
BORE5/0.1	49		S	G				x						
BORE5/0.5	50		S	G	x									
BORE5/1.0	51		S	G				x						
BORE5/2.0	52		S	G				x						
BH06/0.1	53		S	G	x									
BH06/0.5	54		S	G				x						
BH06/1.0	55		S	G				x						
BH06/2.0	56		S	G				x						
PIT14/0.1	57		S	G				x						
PIT14/0.5	58		S	G				x						
PIT14/1.0	59		S	G	x									
PIT14/2.0	60		S	G				x						
PQL (S) mg/kg													**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:

Lab Report/Reference No:

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:**	**Date & Time:**	

Douglas Partners
Geotechnics / Environment / Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	203624.01	**Suburb:**	Murrumbateman	**To:**	Envirolab Services
Project Name:	Murrumbateman School	**Order Number**			12 Ashley St, Chatswood NSW 2067
Project Manager:	Peter Storey	**Sampler:**	EAGL	**Attn:**	Jacinta Hurst
Emails:	peterstorey@douglaspartners.comau			**Phone:**	9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐			**Email:**	
Prior Storage:	☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Sampling Date	Sample Type (S - soil W - water)	Container Type (G - glass P - plastic)	Analytes: Combo 6a	CEC, pH, Clay content		HOLD						Notes/preservation
PIT15/0.1	61	6/5/21	S	G				x						
PIT15/0.5	62		S	G	x									
PIT15/1.0	63		S	G				x						
PIT15/2.0	64		S	G				x						
R1	65		S	G				x						
R2	66		S	G	x									
R3	67		S	G				x						
R4	68		S	G	x									
R5	69		S	G				x						
extra BH12/1-5	70													
PQL (S) mg/kg														**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:

Lab Report/Reference No:

Total number of samples in container: **Relinquished by:** EAGL **Transported to laboratory by:**

Send Results to: Douglas Partners Pty Ltd **Address:** peterstorey@douglaspartners.comau **Phone:** 6260 2788 **Fax:**

Signed: **Received by:** **Date & Time:**

Douglas Partners
Geotechnics | Environment | Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	203624.01	**Suburb:**	Murrumbateman	**To:**	Envirolab Services
Project Name:	Murrumbateman School	**Order Number**			12 Ashley St, Chatswood NSW 2067
Project Manager:	Peter Storey	**Sampler:**	EAGL	**Attn:**	Jacinta Hurst
Emails:	peterstorey@douglaspartners.comau			**Phone:**	9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐			**Email:**	
Prior Storage:	☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

Sample ID	Lab ID	Date Sampled	Sample Type: S - soil W - water	Container Type: G - glass P - plastic	Analytes: Heavy Metals	OCP/OPP PCB	TRH and BTEX	PAH	Total Phenols	Asbestos 500 ml				Notes/preservation
BH01/0.1	1		S	G										
BH01/0.5	2		S	G										
BH01/1.4	3		S	G										
BH01/2.0	4		S	G										
BH10/0.1	5		S	G										
BH10/0.3	6		S	G										
BH10/0.5	7		S	G										
BH10/1.0	8		S	G										
BH10/2.0	9		S	G										
BH11/0.1	10		S	G										
BH11/0.3	11		S	G										
BH11/0.5	12		S	G										
BH11/1.0	13		S	G										
BH11/2.0	14		S	G										
BH12/0.1	15		S	G			/							
PQL (S) mg/kg														**ANZECC PQLs req'd for all water analytes** ☐

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

Job No: 208793
Date Received: 12/5/21
Time Received: 1100
Received By: VU
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No:

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:** ELS-SYD, V. VEGA | **Date & Time:** 12/5/21 @ 1100

Douglas Partners
Geotechnics / Environment / Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	203624.01	**Suburb:**	Murrumbateman	**To:**	Envirolab Services
Project Name:	Murrumbateman School	**Order Number**			12 Ashley St, Chatswood NSW 2067
Project Manager:	Peter Storey	**Sampler:**	EAGL	**Attn:**	Jacinta Hurst
Emails:	peterstorey@douglaspartners.comau			**Phone:**	9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐			**Email:**	
Prior Storage:	☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐ No ☐ (If YES, then handle, transport and store in accordance with FPM HAZID)		

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BH12/0.3	16		S	G										
BH12/0.5	17		S	G										
BH12/1.0	18		S	G										
BH12/2.0	19		S	G										
BH13/0.1	20		S	G										
BH13/0.3	21		S	G										
BH13/0.5	22		S	G										
BH13/1.0	23		S	G										
BH13/2.0	24		S	G										
PIT2/0.1	25		S	G										
PIT2/0.5	26		S	G										
PIT2/1.0	27		S	G										
PIT2/2.0	28		S	G										
PIT3/0.1	29		S	G										
PIT3/0.5	30		S	G										
PQL (S) mg/kg													**ANZECC PQLs req'd for all water analytes** ☐	

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Signed:	**Received by:**	**Date & Time:**

Douglas Partners
Geotechnics / Environment / Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	203624.01	**Suburb:**	Murrumbateman	**To:**	Envirolab Services
Project Name:	Murrumbateman School	**Order Number**			12 Ashley St, Chatswood NSW 2067
Project Manager:	Peter Storey	**Sampler:**	EAGL	**Attn:**	Jacinta Hurst
Emails:	peterstorey@douglaspartners.comau			**Phone:**	9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐			**Email:**	
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PIT3/2.0	32		S	G										
PIT4/0.1	33		S	G										
PIT4/0.5	34		S	G										
PIT4/1.0	35		S	G										
PIT4/2.0	36		S	G										
PIT9/0.1	37		S	G										
PIT9/0.5	38		S	G										
PIT9/1.0	39		S	G										
PIT9/2.0	40		S	G										
PIT7/0.1	41		S	G										
PIT7/0.5	42		S	G										
PIT7/1.0	43		S	G										
PIT7/2.0	44		S	G										
BORE8/0.1	45		S	G										
PQL (S) mg/kg													**ANZECC PQLs req'd for all water analytes** ☐	

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Geotechnics / Environment / Groundwater

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BORE8/1.0	47		S	G										
BORE8/2.0	48		S	G										
BORE5/0.1	49		S	G										
BORE5/0.5	50		S	G										
BORE5/1.0	51		S	G										
BORE5/2.0	52		S	G										
BH06/0.1	53		S	G										
BH06/0.5	54		S	G										
BH06/1.0	55		S	G										
BH06/2.0	56		S	G										
PIT14/0.1	57		S	G										
PIT14/0.5	58		S	G										
PIT14/1.0	59		S	G										
PIT14/2.0	60		S	G										
PQL (S) mg/kg													**ANZECC PQLs req'd for all water analytes** ☐	

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Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No:

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:**	**Date & Time:**	

Douglas Partners
Geotechnics / Environment / Groundwater

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PIT15/0.1	61		S	G										
PIT15/0.5	62		S	G										
PIT15/1.0	63		S	G										
PIT15/2.0	64		S	G										
R1	65		S	G										
R2	66		S	G										
R3	67		S	G										
R4	68		S	G										
R5	69		S	G										
(Extra) BH12/1.5	70													
PQL (S) mg/kg														**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:

Lab Report/Reference No:

Total number of samples in container: **Relinquished by:** EAGL **Transported to laboratory by:**

Send Results to: Douglas Partners Pty Ltd **Address:** peterstorey@douglaspartners.comau **Phone:** 6260 2788 **Fax:**

Signed: **Received by:** **Date & Time:**

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 RECEIPT ADVICE

Client Details

Client	Douglas Partners Canberra
Attention	Peter Storey

Sample Login Details

Your reference	203624.01, Murrumbateman School
Envirolab Reference	268793
Date Sample Received	12/05/2021
Date Instructions Received	14/05/2021
Date Results Expected to be Reported	20/05/2021

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	70 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	12
Cooling Method	Ice Pack
Sampling Date Provided	YES

Comments

pH - out of recommended holding time
extra BH12/1.5

Please direct any queries to:

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

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
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	PCBsin Soil	Acid Extractable metalsin soil	Asbestos ID - soils	Misc Inorg - Soil	CEC	Clay 50-120g	On Hold
BH01/0.1												✓
BH01/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
BH01/1.4												✓
BH01/2.0												✓
BH10/0.1												✓
BH10/0.3												✓
BH10/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
BH10/1.0												✓
BH10/2.0												✓
BH11/0.1												✓
BH11/0.3												✓
BH11/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
BH11/1.0												✓
BH11/2.0												✓
BH12/0.1												✓
BH12/0.3	✓	✓	✓	✓	✓	✓	✓	✓				
BH12/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
BH12/1.0												✓
BH12/2.0												✓
BH13/0.1												✓
BH13/0.3												✓
BH13/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
BH13/1.0												✓
BH13/2.0												✓
PIT2/0.1												✓
PIT2/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
PIT2/1.0												✓
PIT2/2.0												✓
PIT3/0.1												✓
PIT3/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
PIT3/1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PIT3/2.0												✓

Envirolab Services Pty Ltd
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Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBsin Soil	Acid Extractable metalsin soil	Asbestos ID - soils	Misc Inorg - Soil	CEC	Clay 50-120g	On Hold
PIT4/0.1	✓	✓	✓	✓	✓	✓	✓	✓				
PIT4/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
PIT4/1.0												✓
PIT4/2.0												✓
PIT9/0.1	✓	✓	✓	✓	✓	✓	✓	✓				
PIT9/0.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PIT9/1.0												✓
PIT9/2.0												✓
PIT7/0.1	✓	✓	✓	✓	✓	✓	✓	✓				
PIT7/0.5												✓
PIT7/1.0												✓
PIT7/2.0												✓
BORE8/0.1	✓	✓	✓	✓	✓	✓	✓	✓				
BORE8/0.5												✓
BORE8/1.0												✓
BORE8/2.0												✓
BORE5/0.1												✓
BORE5/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
BORE5/1.0												✓
BORE5/2.0												✓
BH06/0.1	✓	✓	✓	✓	✓	✓	✓	✓				
BH06/0.5												✓
BH06/1.0												✓
BH06/2.0												✓
PIT14/0.1												✓
PIT14/0.5												✓
PIT14/1.0	✓	✓	✓	✓	✓	✓	✓	✓				
PIT14/2.0												✓
PIT15/0.1												✓
PIT15/0.5	✓	✓	✓	✓	✓	✓	✓	✓				
PIT15/1.0												✓
PIT15/2.0												✓

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Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBsin Soil	Acid Extractable metalsin soil	Asbestos ID - soils	Misc Inorg - Soil	CEC	Clay 50-120g	On Hold
R1												✓
R2	✓	✓	✓	✓	✓	✓	✓	✓				
R3												✓
R4	✓	✓	✓	✓	✓	✓	✓	✓				
R5												✓
BH12/1.5												✓

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.

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CERTIFICATE OF ANALYSIS 268793

Client Details

Client	Douglas Partners Canberra
Attention	Peter Storey
Address	Unit 2, 73 Sheppard St,, HUME, ACT, 2620

Sample Details

Your Reference	**203624.01, Murrumbateman School**
Number of Samples	70 Soil
Date samples received	12/05/2021
Date completed instructions received	14/05/2021

Analysis Details

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

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

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

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

Report Details

Date results requested by	20/05/2021
Date of Issue	20/05/2021

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Asbestos Approved By
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Results Approved By
Diego Bigolin, Team Leader, Inorganics
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Jaimie Loa-Kum-Cheung, Metals Supervisor
Lucy Zhu, Asbestos Supervisor
Manju Dewendrage, Chemist

Authorised By

Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} 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	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	103	117	121	106	100

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} 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	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	113	104	111	114	98

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} 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	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	133	117	103	120	125

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} 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	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	120	108	99	113	106

vTRH(C6-C10)/BTEXN in Soil		
Our Reference		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date extracted	-	14/05/2021
Date analysed	-	17/05/2021
TRH C_6 - C_9	mg/kg	<25
TRH C_6 - C_{10}	mg/kg	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25
Benzene	mg/kg	<0.2
Toluene	mg/kg	<0.5
Ethylbenzene	mg/kg	<1
m+p-xylene	mg/kg	<2
o-Xylene	mg/kg	<1
naphthalene	mg/kg	<1
Total +ve Xylenes	mg/kg	<3
Surrogate aaa-Trifluorotoluene	%	124

svTRH (C10-C40) in Soil						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	15/05/2021	15/05/2021	15/05/2021	15/05/2021	15/05/2021
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	120	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	91	92	82	85	85

svTRH (C10-C40) in Soil						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	15/05/2021	15/05/2021	15/05/2021	15/05/2021	15/05/2021
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	86	88	82	87	85

svTRH (C10-C40) in Soil						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	15/05/2021	15/05/2021	15/05/2021	15/05/2021	15/05/2021
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	84	82	82	85	83

svTRH (C10-C40) in Soil						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	15/05/2021	15/05/2021	15/05/2021	15/05/2021	15/05/2021
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100	<100
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	82	82	82	87	82

svTRH (C10-C40) in Soil		
Our Reference		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date extracted	-	14/05/2021
Date analysed	-	15/05/2021
TRH C_{10} - C_{14}	mg/kg	<50
TRH C_{15} - C_{28}	mg/kg	<100
TRH C_{29} - C_{36}	mg/kg	<100
TRH >C_{10} -C_{16}	mg/kg	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50
TRH >C_{16} -C_{34}	mg/kg	<100
TRH >C_{34} -C_{40}	mg/kg	<100
Total +ve TRH (>C10-C40)	mg/kg	<50
Surrogate o-Terphenyl	%	85

PAHs in Soil						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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 p-Terphenyl-d14	%	123	121	114	119	119

PAHs in Soil						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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 p-Terphenyl-d14	%	119	124	123	126	123

PAHs in Soil						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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 p-Terphenyl-d14	%	117	125	127	124	120

PAHs in Soil						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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 p-Terphenyl-d14	%	116	127	127	129	117

PAHs in Soil		
Our Reference		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date extracted	-	14/05/2021
Date analysed	-	17/05/2021
Naphthalene	mg/kg	<0.1
Acenaphthylene	mg/kg	<0.1
Acenaphthene	mg/kg	<0.1
Fluorene	mg/kg	<0.1
Phenanthrene	mg/kg	<0.1
Anthracene	mg/kg	<0.1
Fluoranthene	mg/kg	<0.1
Pyrene	mg/kg	<0.1
Benzo(a)anthracene	mg/kg	<0.1
Chrysene	mg/kg	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2
Benzo(a)pyrene	mg/kg	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1
Total +ve PAH's	mg/kg	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5
Surrogate p-Terphenyl-d14	%	125

Organochlorine Pesticides in soil						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	95	94	96	91

Organochlorine Pesticides in soil						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	%	97	95	96	98	93

Organochlorine Pesticides in soil						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	%	91	95	97	93	104

Organochlorine Pesticides in soil						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	104	105	107	103

Organochlorine Pesticides in soil		
Our Reference		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date extracted	-	14/05/2021
Date analysed	-	17/05/2021
alpha-BHC	mg/kg	<0.1
HCB	mg/kg	<0.1
beta-BHC	mg/kg	<0.1
gamma-BHC	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
delta-BHC	mg/kg	<0.1
Aldrin	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
gamma-Chlordane	mg/kg	<0.1
alpha-chlordane	mg/kg	<0.1
Endosulfan I	mg/kg	<0.1
pp-DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
Endosulfan II	mg/kg	<0.1
pp-DDD	mg/kg	<0.1
Endrin Aldehyde	mg/kg	<0.1
pp-DDT	mg/kg	<0.1
Endosulfan Sulphate	mg/kg	<0.1
Methoxychlor	mg/kg	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1
Surrogate TCMX	%	103

Organophosphorus Pesticides in Soil						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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
Chlorpyriphos-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
Chlorpyriphos	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	95	94	96	91

Organophosphorus Pesticides in Soil						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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
Chlorpyriphos-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
Chlorpyriphos	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	%	97	95	96	98	93

Organophosphorus Pesticides in Soil						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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
Chlorpyriphos-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
Chlorpyriphos	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	%	91	95	97	93	104

Organophosphorus Pesticides in Soil						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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
Chlorpyriphos-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
Chlorpyriphos	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	104	105	107	103

Organophosphorus Pesticides in Soil		
Our Reference		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date extracted	-	14/05/2021
Date analysed	-	17/05/2021
Dichlorvos	mg/kg	<0.1
Dimethoate	mg/kg	<0.1
Diazinon	mg/kg	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1
Ronnel	mg/kg	<0.1
Fenitrothion	mg/kg	<0.1
Malathion	mg/kg	<0.1
Chlorpyriphos	mg/kg	<0.1
Parathion	mg/kg	<0.1
Bromophos-ethyl	mg/kg	<0.1
Ethion	mg/kg	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1
Surrogate TCMX	%	103

PCBs in Soil						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	95	94	96	91

PCBs in Soil						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	%	97	95	96	98	93

PCBs in Soil						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	%	91	95	97	93	97

PCBs in Soil						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
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	90	96	97	95

PCBs in Soil		
Our Reference		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date extracted	-	14/05/2021
Date analysed	-	17/05/2021
Aroclor 1016	mg/kg	<0.1
Aroclor 1221	mg/kg	<0.1
Aroclor 1232	mg/kg	<0.1
Aroclor 1242	mg/kg	<0.1
Aroclor 1248	mg/kg	<0.1
Aroclor 1254	mg/kg	<0.1
Aroclor 1260	mg/kg	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1
Surrogate TCMX	%	94

Acid Extractable metals in soil						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Date analysed	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Arsenic	mg/kg	<4	<4	16	19	20
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	29	23	23	6	10
Copper	mg/kg	25	9	90	79	110
Lead	mg/kg	18	16	16	6	9
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	11	6	10	5	9
Zinc	mg/kg	19	16	14	4	13

Acid Extractable metals in soil						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Date analysed	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Arsenic	mg/kg	6	<4	4	<4	5
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	38	32	46	38	31
Copper	mg/kg	40	16	20	53	41
Lead	mg/kg	67	20	31	20	18
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	13	9	17	16	15
Zinc	mg/kg	25	18	22	31	24

Acid Extractable metals in soil						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Date analysed	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Arsenic	mg/kg	<4	5	4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	48	51	44	34	36
Copper	mg/kg	16	58	41	36	12
Lead	mg/kg	18	27	19	20	15
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	8	13	13	12	8
Zinc	mg/kg	15	23	47	23	17

Acid Extractable metals in soil						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Date analysed	-	19/05/2021	19/05/2021	19/05/2021	19/05/2021	19/05/2021
Arsenic	mg/kg	<4	<4	<4	<4	16
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	34	45	26	40	10
Copper	mg/kg	38	26	12	12	130
Lead	mg/kg	24	26	18	23	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	14	10	6	7	10
Zinc	mg/kg	27	25	20	23	12

Acid Extractable metals in soil			
Our Reference		268793-68	268793-71
Your Reference	UNITS	R4	BH01/0.5 - [TRIPLICATE]
Date Sampled		06/05/2021	05/05/2021
Type of sample		Soil	Soil
Date prepared	-	19/05/2021	19/05/2021
Date analysed	-	19/05/2021	19/05/2021
Arsenic	mg/kg	5	<4
Cadmium	mg/kg	<0.4	<0.4
Chromium	mg/kg	35	31
Copper	mg/kg	42	35
Lead	mg/kg	20	18
Mercury	mg/kg	<0.1	<0.1
Nickel	mg/kg	16	10
Zinc	mg/kg	20	18

Moisture						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
Moisture	%	12	12	9.7	6.3	9.5

Moisture						
Our Reference		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
Moisture	%	14	11	14	13	14

Moisture						
Our Reference		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
Moisture	%	10	16	11	13	12

Moisture						
Our Reference		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	14/05/2021	14/05/2021	14/05/2021	14/05/2021	14/05/2021
Date analysed	-	17/05/2021	17/05/2021	17/05/2021	17/05/2021	17/05/2021
Moisture	%	11	9.1	8.9	7.6	8.4

Moisture		
Our Reference		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date prepared	-	14/05/2021
Date analysed	-	17/05/2021
Moisture	%	12

Asbestos ID - soils						
Our Reference		268793-2	268793-7	268793-12	268793-16	268793-17
Your Reference	UNITS	BH01/0.5	BH10/0.5	BH11/0.5	BH12/0.3	BH12/0.5
Date Sampled		05/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	20/05/2021	20/05/2021	20/05/2021	20/05/2021	20/05/2021
Sample mass tested	g	Approx. 35g	Approx. 40g	Approx. 45g	Approx. 45g	Approx. 35g
Sample Description	-	Brown coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-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		268793-22	268793-26	268793-30	268793-31	268793-33
Your Reference	UNITS	BH13/0.5	PIT2/0.5	PIT3/0.5	PIT3/1.0	PIT4/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	20/05/2021	20/05/2021	20/05/2021	20/05/2021	20/05/2021
Sample mass tested	g	Approx. 35g	Approx. 40g	Approx. 40g	Approx. 45g	Approx. 40g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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		268793-34	268793-37	268793-38	268793-41	268793-45
Your Reference	UNITS	PIT4/0.5	PIT9/0.1	PIT9/0.5	PIT7/0.1	BORE8/0.1
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	20/05/2021	20/05/2021	20/05/2021	20/05/2021	20/05/2021
Sample mass tested	g	Approx. 40g	Approx. 35g	Approx. 35g	Approx. 30g	Approx. 30g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-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		268793-50	268793-53	268793-59	268793-62	268793-66
Your Reference	UNITS	BORE5/0.5	BH06/0.1	PIT14/1.0	PIT15/0.5	R2
Date Sampled		06/05/2021	06/05/2021	06/05/2021	06/05/2021	06/05/2021
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	20/05/2021	20/05/2021	20/05/2021	20/05/2021	20/05/2021
Sample mass tested	g	Approx. 40g	Approx. 40g	Approx. 40g	Approx. 35g	Approx. 40g
Sample Description	-	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Brown coarse-grained soil & rocks	Grey coarse-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		268793-68
Your Reference	UNITS	R4
Date Sampled		06/05/2021
Type of sample		Soil
Date analysed	-	20/05/2021
Sample mass tested	g	Approx. 35g
Sample Description	-	Brown coarse-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected

Misc Inorg - Soil			
Our Reference		268793-31	268793-38
Your Reference	UNITS	PIT3/1.0	PIT9/0.5
Date Sampled		06/05/2021	06/05/2021
Type of sample		Soil	Soil
Date prepared	-	14/05/2021	14/05/2021
Date analysed	-	14/05/2021	14/05/2021
pH 1:5 soil:water	pH Units	6.5	6.8

CEC			
Our Reference		268793-31	268793-38
Your Reference	UNITS	PIT3/1.0	PIT9/0.5
Date Sampled		06/05/2021	06/05/2021
Type of sample		Soil	Soil
Date prepared	-	17/05/2021	17/05/2021
Date analysed	-	18/05/2021	18/05/2021
Exchangeable Ca	meq/100g	4.4	6.2
Exchangeable K	meq/100g	0.3	0.2
Exchangeable Mg	meq/100g	4.6	11
Exchangeable Na	meq/100g	0.36	0.57
Cation Exchange Capacity	meq/100g	9.6	18

Clay 50-120g			
Our Reference		268793-31	268793-38
Your Reference	UNITS	PIT3/1.0	PIT9/0.5
Date Sampled		06/05/2021	06/05/2021
Type of sample		Soil	Soil
Date prepared	-	18/05/2021	18/05/2021
Date analysed	-	19/05/2021	19/05/2021
Clay in soils <2µm	% (w/w)	34	38

Method ID	Methodology Summary
AS1289.3.6.3	Determination Particle Size Analysis using AS1289.3.6.3 and AS1289.3.6.1 and in house method INORG-107. Clay fraction at <2µm reported.
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
Inorg-001	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.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Metals-020	Determination of various metals by ICP-AES.
Metals-020	Determination of exchangeable cations and cation exchange capacity in soils using 1M Ammonium Chloride exchange and ICP-AES analytical finish.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. 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).
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-021	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-022	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS.
Org-022/025	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
Org-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	268793-7
Date extracted	-			14/05/2021	2	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			17/05/2021	2	17/05/2021	17/05/2021		17/05/2021	17/05/2021
TRH C_6 - C_9	mg/kg	25	Org-023	<25	2	<25	<25	0	94	103
TRH C_6 - C_{10}	mg/kg	25	Org-023	<25	2	<25	<25	0	94	103
Benzene	mg/kg	0.2	Org-023	<0.2	2	<0.2	<0.2	0	111	122
Toluene	mg/kg	0.5	Org-023	<0.5	2	<0.5	<0.5	0	91	103
Ethylbenzene	mg/kg	1	Org-023	<1	2	<1	<1	0	90	96
m+p-xylene	mg/kg	2	Org-023	<2	2	<2	<2	0	89	96
o-Xylene	mg/kg	1	Org-023	<1	2	<1	<1	0	92	99
naphthalene	mg/kg	1	Org-023	<1	2	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	108	2	103	100	3	114	120

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	268793-68
Date extracted	-			[NT]	34	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			[NT]	34	17/05/2021	17/05/2021		17/05/2021	17/05/2021
TRH C_6 - C_9	mg/kg	25	Org-023	[NT]	34	<25	<25	0	97	87
TRH C_6 - C_{10}	mg/kg	25	Org-023	[NT]	34	<25	<25	0	97	87
Benzene	mg/kg	0.2	Org-023	[NT]	34	<0.2	<0.2	0	114	104
Toluene	mg/kg	0.5	Org-023	[NT]	34	<0.5	<0.5	0	93	86
Ethylbenzene	mg/kg	1	Org-023	[NT]	34	<1	<1	0	91	80
m+p-xylene	mg/kg	2	Org-023	[NT]	34	<2	<2	0	93	83
o-Xylene	mg/kg	1	Org-023	[NT]	34	<1	<1	0	96	85
naphthalene	mg/kg	1	Org-023	[NT]	34	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	34	133	119	11	114	105

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]	66	14/05/2021	14/05/2021		[NT]	[NT]
Date analysed	-			[NT]	66	17/05/2021	17/05/2021		[NT]	[NT]
TRH C_6 - C_9	mg/kg	25	Org-023	[NT]	66	<25	<25	0	[NT]	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-023	[NT]	66	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-023	[NT]	66	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-023	[NT]	66	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-023	[NT]	66	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-023	[NT]	66	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-023	[NT]	66	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-023	[NT]	66	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	66	106	107	1	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	268793-7
Date extracted	-			14/05/2021	2	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			15/05/2021	2	15/05/2021	15/05/2021		15/05/2021	15/05/2021
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	2	<50	<50	0	113	112
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	2	<100	<100	0	96	97
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	2	<100	<100	0	108	91
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	2	<50	<50	0	113	112
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	2	<100	<100	0	96	97
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	2	<100	<100	0	108	91
Surrogate o-Terphenyl	%		Org-020	89	2	91	89	2	111	92

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	268793-68
Date extracted	-			[NT]	34	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			[NT]	34	15/05/2021	15/05/2021		15/05/2021	17/05/2021
TRH C_{10} - C_{14}	mg/kg	50	Org-020	[NT]	34	<50	<50	0	125	113
TRH C_{15} - C_{28}	mg/kg	100	Org-020	[NT]	34	<100	<100	0	106	102
TRH C_{29} - C_{36}	mg/kg	100	Org-020	[NT]	34	<100	<100	0	114	107
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	[NT]	34	<50	<50	0	125	113
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	[NT]	34	<100	<100	0	106	102
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	[NT]	34	<100	<100	0	114	107
Surrogate o-Terphenyl	%		Org-020	[NT]	34	84	81	4	114	89

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	66	14/05/2021	14/05/2021		[NT]	[NT]
Date analysed	-			[NT]	66	15/05/2021	15/05/2021		[NT]	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	[NT]	66	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	[NT]	66	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	[NT]	66	<100	<100	0	[NT]	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	[NT]	66	<50	<50	0	[NT]	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	[NT]	66	<100	<100	0	[NT]	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	[NT]	66	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	66	82	81	1	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	268793-7
Date extracted	-			14/05/2021	2	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			17/05/2021	2	17/05/2021	17/05/2021		17/05/2021	17/05/2021
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	117	92
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	84	81
Fluorene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	100	88
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	117	99
Anthracene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	105	86
Pyrene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	109	95
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	78	71
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	2	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	2	<0.05	<0.05	0	93	86
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	129	2	123	119	3	113	118

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	268793-68
Date extracted	-			[NT]	34	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			[NT]	34	17/05/2021	17/05/2021		17/05/2021	17/05/2021
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	101	94
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	89	87
Fluorene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	100	96
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	109	121
Anthracene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	89	98
Pyrene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	111	102
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	82	84
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	34	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	34	<0.05	<0.05	0	86	92
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	34	117	118	1	120	128

QUALITY CONTROL: PAHs in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	66	14/05/2021	14/05/2021		[NT]	[NT]
Date analysed	-			[NT]	66	17/05/2021	17/05/2021		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	66	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	66	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	66	117	115	2	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	268793-7
Date extracted	-			14/05/2021	2	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			17/05/2021	2	17/05/2021	17/05/2021		17/05/2021	17/05/2021
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	89	124
HCB	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	87	116
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	79	120
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	88	108
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	109	116
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	87	126
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	107	116
Endrin	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	111	106
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	94	122
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	120	94
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	107	2	93	95	2	96	128

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	268793-68
Date extracted	-			[NT]	34	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			[NT]	34	17/05/2021	17/05/2021		17/05/2021	17/05/2021
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	106	101
HCB	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	106	104
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	137	123
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	124	110
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	116	124
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	91	120
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	123	103
Endrin	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	113	107
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	126	114
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	114	126
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	34	91	94	3	111	107

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	66	14/05/2021	14/05/2021		[NT]	[NT]
Date analysed	-			[NT]	66	17/05/2021	17/05/2021		[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
HCB	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Endrin	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	66	103	105	2	[NT]	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	268793-7
Date extracted	-			14/05/2021	2	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			17/05/2021	2	17/05/2021	17/05/2021		17/05/2021	17/05/2021
Dichlorvos	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	80	80
Dimethoate	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	93	79
Fenitrothion	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	115	121
Malathion	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	86	112
Chlorpyriphos	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	124	115
Parathion	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	114	112
Bromophos-ethyl	mg/kg	0.1	Org-022	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	111	113
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	107	2	93	95	2	96	94

QUALITY CONTROL: Organophosphorus Pesticides in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	268793-68
Date extracted	-			[NT]	34	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			[NT]	34	17/05/2021	17/05/2021		17/05/2021	17/05/2021
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	114	100
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	126	111
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	93	85
Malathion	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	129	124
Chlorpyriphos	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	132	140
Parathion	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	82	88
Bromophos-ethyl	mg/kg	0.1	Org-022	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	91	97
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	34	91	94	3	111	107

QUALITY CONTROL: Organophosphorus Pesticides in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	66	14/05/2021	14/05/2021		[NT]	[NT]
Date analysed	-			[NT]	66	17/05/2021	17/05/2021		[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Dimethoate	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Fenitrothion	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Malathion	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Parathion	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-022	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-022/025	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-022/025	[NT]	66	103	105	2	[NT]	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	268793-7
Date extracted	-			14/05/2021	2	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			17/05/2021	2	17/05/2021	17/05/2021		17/05/2021	17/05/2021
Aroclor 1016	mg/kg	0.1	Org-021	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	<0.1	2	<0.1	<0.1	0	112	100
Aroclor 1260	mg/kg	0.1	Org-021	<0.1	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	97	2	93	95	2	96	94

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	268793-68
Date extracted	-			[NT]	34	14/05/2021	14/05/2021		14/05/2021	14/05/2021
Date analysed	-			[NT]	34	17/05/2021	17/05/2021		17/05/2021	17/05/2021
Aroclor 1016	mg/kg	0.1	Org-021	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	[NT]	34	<0.1	<0.1	0	112	124
Aroclor 1260	mg/kg	0.1	Org-021	[NT]	34	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	34	91	94	3	101	96

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	66	14/05/2021	14/05/2021		[NT]	[NT]
Date analysed	-			[NT]	66	17/05/2021	17/05/2021		[NT]	[NT]
Aroclor 1016	mg/kg	0.1	Org-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1260	mg/kg	0.1	Org-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-021	[NT]	66	95	96	1	[NT]	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-9	268793-7
Date prepared	-			19/05/2021	2	19/05/2021	19/05/2021		19/05/2021	19/05/2021
Date analysed	-			19/05/2021	2	19/05/2021	19/05/2021		19/05/2021	19/05/2021
Arsenic	mg/kg	4	Metals-020	<4	2	<4	6	40	89	91
Cadmium	mg/kg	0.4	Metals-020	<0.4	2	<0.4	<0.4	0	101	102
Chromium	mg/kg	1	Metals-020	<1	2	29	40	32	104	100
Copper	mg/kg	1	Metals-020	<1	2	25	41	48	102	118
Lead	mg/kg	1	Metals-020	<1	2	18	21	15	107	104
Mercury	mg/kg	0.1	Metals-021	<0.1	2	<0.1	<0.1	0	90	96
Nickel	mg/kg	1	Metals-020	<1	2	11	10	10	95	100
Zinc	mg/kg	1	Metals-020	<1	2	19	18	5	102	107

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-10	268793-68
Date prepared	-			[NT]	34	19/05/2021	19/05/2021		19/05/2021	19/05/2021
Date analysed	-			[NT]	34	19/05/2021	19/05/2021		19/05/2021	19/05/2021
Arsenic	mg/kg	4	Metals-020	[NT]	34	<4	<4	0	99	88
Cadmium	mg/kg	0.4	Metals-020	[NT]	34	<0.4	<0.4	0	110	105
Chromium	mg/kg	1	Metals-020	[NT]	34	48	45	6	101	92
Copper	mg/kg	1	Metals-020	[NT]	34	16	18	12	112	93
Lead	mg/kg	1	Metals-020	[NT]	34	18	19	5	125	93
Mercury	mg/kg	0.1	Metals-021	[NT]	34	<0.1	<0.1	0	92	88
Nickel	mg/kg	1	Metals-020	[NT]	34	8	10	22	94	103
Zinc	mg/kg	1	Metals-020	[NT]	34	15	16	6	107	99

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	66	19/05/2021	19/05/2021		[NT]	[NT]
Date analysed	-			[NT]	66	19/05/2021	19/05/2021		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	66	16	20	22	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	66	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	66	10	11	10	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	66	130	130	0	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	66	10	10	0	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	66	<0.1	<0.1	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	66	10	11	10	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	66	12	12	0	[NT]	[NT]

QUALITY CONTROL: Misc Inorg - Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			14/05/2021	[NT]	[NT]	[NT]	[NT]	14/05/2021	[NT]
Date analysed	-			14/05/2021	[NT]	[NT]	[NT]	[NT]	14/05/2021	[NT]
pH 1:5 soil:water	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	99	[NT]

QUALITY CONTROL: CEC						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			17/05/2021	[NT]	[NT]	[NT]	[NT]	17/05/2021	[NT]
Date analysed	-			18/05/2021	[NT]	[NT]	[NT]	[NT]	18/05/2021	[NT]
Exchangeable Ca	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Exchangeable K	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	105	[NT]
Exchangeable Mg	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	91	[NT]
Exchangeable Na	meq/100g	0.1	Metals-020	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]

Result Definitions

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

Quality Control Definitions

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

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

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

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

Laboratory Acceptance Criteria

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

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

Spikes for Physical and Aggregate Tests are not applicable.

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

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

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

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

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

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

Measurement Uncertainty estimates are available for most tests upon request.

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

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

Report Comments

Acid Extractable Metals in Soil: The laboratory RPD acceptance criteria has been exceeded for 268793-2 for Cu. Therefore a triplicate result has been issued as laboratory sample number 268793-71.

Asbestos: A portion of the supplied samples were sub-sampled for asbestos analysis according to Envirolab procedures.
We cannot guarantee that these sub-samples are indicative of the entire sample.
Envirolab recommends supplying 40-50g of sample in its own container.
Note: Samples requested for asbestos testing were sub-sampled from jars provided by the client.

Appendix L

Data Quality Assessment

Appendix L
Data Quality Assessment
2 Fairley Street, Murrumbateman

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 filed QC samples are included 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
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 as indicated in Table QA1.

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

Data Quality Indicator	Method(s) of Achievement
Completeness	Systematic and selected target locations sampled.
	Preparation of test pit logs, borehole 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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Table QA1: Relative Percentage Difference Results – Intra-laboratory Replicates

			Metals								TRH						BTEX				PAH				OCP											OPP	PCB
			Arsenic	Cadmium	Total Chromium	Copper	Lead	Mercury (Inorganic)	Nickel	Zinc	TRH C6 - C10	TRH >C10-C16	F1 [=(C6-C10)-BTEX]	F2 (>C10-C16 less Naphthalene)	F3 (>C16-C34)	F4 (>C34-C40)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene [b]	Benzo(a)pyrene (BaP)	Benzo(a)pyrene TEQ	Total PAHs	DDD	DDT+DDE+DDD [c]	DDE	DDT	Aldrin & Dieldrin	Total Chlordane	Dieldrin	Total Endosulfan	Heptachlor	Hexachlorobenzene	Methoxychlor	Chlorpyrifos	Total PCB
Sample ID	Depth	Sample Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
R2	0 m	06/05/2021	16	<0.4	10	130	10	<0.1	10	12	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH12/0.5	0.5 m	06/05/2021	20	<0.4	10	110	9	<0.1	9	13	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		Difference	4	0	0	20	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		RPD	22%	0%	0%	17%	11%	0%	11%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
R4	0 m	06/05/2021	5	<0.4	35	42	20	<0.1	16	20	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PIT4/0.1	0.1 m	06/05/2021	5	<0.4	31	41	18	<0.1	15	24	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<0.05	<0.5	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		Difference	0	0	4	1	2	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		RPD	0%	0%	12%	2%	11%	0%	6%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%