Data Gap Investigation Waterloo South Redevelopment Precinct, Waterloo, NSW

Stockland Development Pty Ltd

Report

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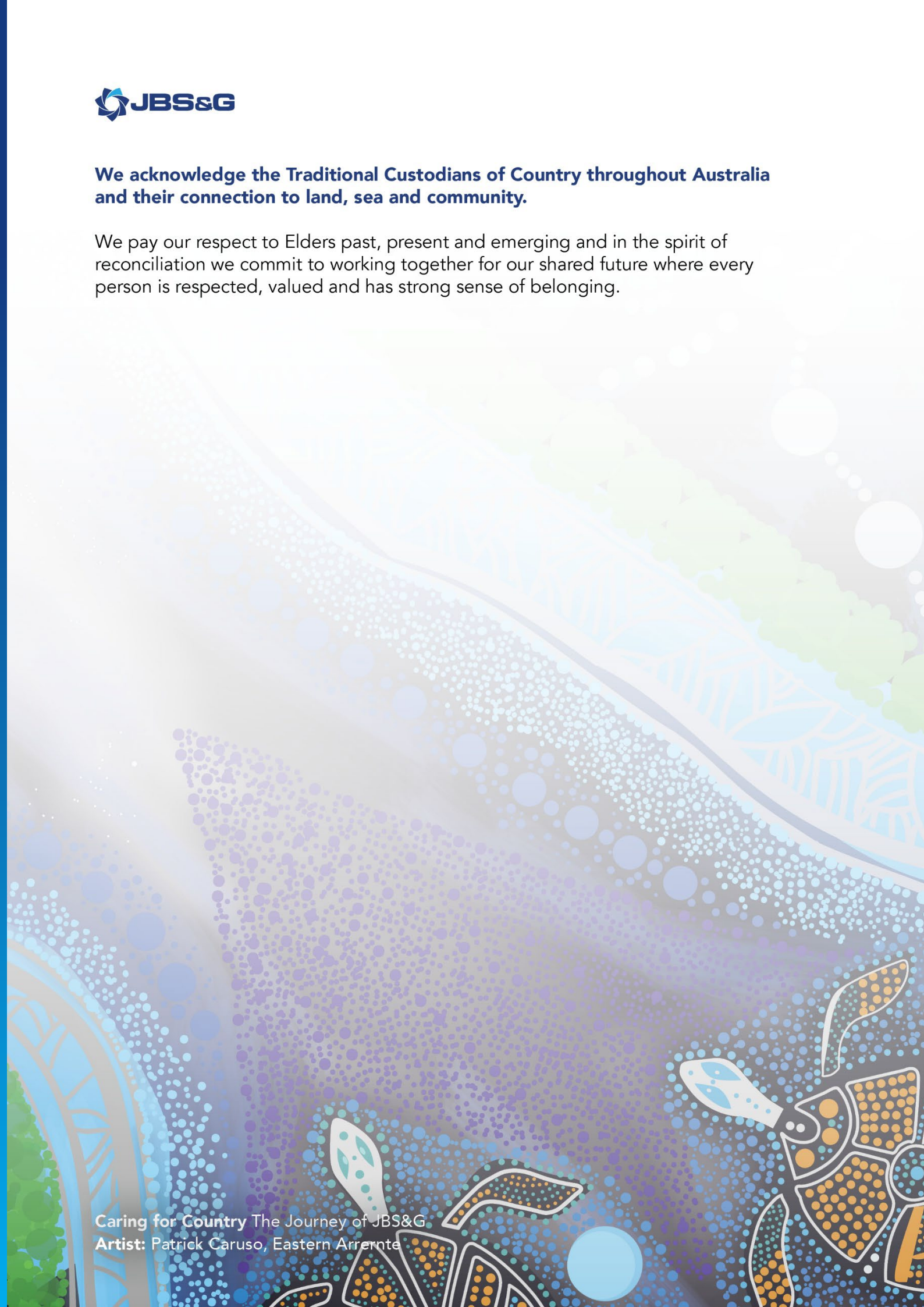
27 June 2025

We acknowledge the Traditional Custodians of Country throughout Australia and their connection to land, sea and community.

We pay our respect to Elders past, present and emerging and in the spirit of reconciliation we commit to working together for our shared future where every person is respected, valued and has strong sense of belonging.



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Abbreviations

Term	Definition
ACM	Asbestos Containing Material
AEC	Area of Environmental Concern
AHD	Australian Height Datum
ASC NEPM	National Environment Protection (Assessment of Site Contamination) Measure
ASS	Acid Sulfate Soils
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
CLM Act	Contaminated Land Management Act 1997
COPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
DP	Deposited Plan
DSI	Detailed Site Investigation
DGI	Data Gap Investigation
EPA	NSW Environment Protection Authority
ESL	Ecological Screening Level
ha	Hectare
JBS&G	JBS&G Australia Pty Ltd
LEP	Local Environmental Plan
LGA	Local Government Area
NEPC	National Environment Protection Council
OCPs	Organochlorine Pesticides
OEH	Office of Environment and Heritage
PACM	Potential Asbestos Containing Materials
PAHs	Polycyclic Aromatic Hydrocarbons
P/ASS	Potential / Actual Acid Sulfate Soils
PCB	Polychlorinated Biphenyls
POEO Act	Protection of the Environment Operations Act 1997
PSI	Preliminary Site Investigation
PFAS	Per- and Poly-fluoroalkyl Substances
PFOS	Perfluorooctanesulfonic acid
RAP	Remedial Action Plan
RWP	Remedial Works Plan
SAQP	Sampling Analysis and Quality Plan
SEPP	State Environmental Planning Policy
SSDA	State Significant Development Application
TEQ	Toxicity Equivalent Quotient
TRH	Total Recoverable Hydrocarbons

Executive Summary

JBS&G Australia Pty Ltd (JBS&G) was engaged by Stockland Development Pty Limited to conduct a Data Gap Investigation (DGI) for the Waterloo South Redevelopment Precinct (the site). The site currently accommodates a social housing estate of approximately 750 dwellings, a childcare centre, and council road reserves. Redevelopment plans include a mixed-use precinct with approximately 3,300 homes (50% allocated for social and affordable housing), commercial and retail spaces, a potential education facility, open public areas, and a new/updated road network.

Previous environmental and geotechnical assessments identified shallow fill (<1 m thick) impacted by heavy metals, total recoverable hydrocarbons (TRH), and polycyclic aromatic hydrocarbons (PAHs). These contaminants exceeded ecological criteria and, in some cases, human health criteria. Asbestos was detected in isolated areas, though the presence of widespread building and demolition (B&D) rubble indicates a higher potential for asbestos contamination. Groundwater analysis reported elevated heavy metals and per- and polyfluoroalkyl substances (PFAS), attributed to regional background levels rather than on-site activities.

The objective of the DGI was to address broad-scale data gaps to inform potential remediation options and support the development of an overarching O-RAP for the Phase 1 Master Plan State Significant Development Application (SSDA) for the site. A program of soil and groundwater characterisation was undertaken to address broad-scale data gaps.

Soil conditions were generally consistent with previous reports. Fill materials contained elevated levels of heavy metals, PAHs, and asbestos (both bonded ACM and FA/AF), exceeding ecological criteria and, to a lesser extent, human health criteria, with impacts primarily within the top 0.2–0.5 m and often associated with B&D rubble.

Groundwater conditions were reported to be consistent with historical investigations, with minor exceedances of Perfluorooctanesulfonic acid (PFOS) and heavy metals consistent with urban background concentrations rather than site-specific sources.

Based on the findings of this DGI, and subsequent to the limitations in **Section 10**, the following conclusions/recommendations were made:

- The findings of the soil and groundwater investigation undertaken by JBS&G are consistent with previous assessments, and the CSM presented **Section 3**;
- The data has been found to be of acceptable quality for site characterisation, planning requirements, and the development of a O-RAP for the Phase 1 Master Plan SSDA. Stage-specific RWPs are required to be prepared for Phase 2 works to address data gaps beneath existing site structures, including buildings and road reserves.

1. Introduction

1.1 Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by Stockland Development Pty Limited (Stockland, the Client) to undertake a Data Gap Investigation (DGI) for a parcel of land known as the Waterloo South Redevelopment Precinct (the site). The site address, cadastre, ownership, and area are listed in **Table 1.1** and the site location and current layout are illustrated in **Figures 1** and **2A**, respectively.

The site currently comprises a social housing estate and amenities, with approximately 750 dwellings, a childcare centre, and council road reserves (**Figure 2A**). It is proposed to be redeveloped into a mixed-use precinct comprising residential apartments, basement car parking beneath select buildings, retail and commercial spaces (including a childcare centre), a potential education facility, public open spaces (including parklands, walkways, and cycleways), and new/upgraded road network (**Figure 2B**). Upon completion, the redevelopment will deliver approximately 3,300 homes, with 50% designated as social and affordable housing. Concept plans are provided in **Appendix A**.

Previous environmental and geotechnical investigations (**Section 2.5**) have identified fill material, typically less than 1m in thickness, as being variably impacted by heavy metals, total recoverable hydrocarbons (TRH), and polycyclic aromatic hydrocarbons (PAHs), requiring remediation/management. These contaminants generally exceed ecological criteria, and in some cases, have also been reported to exceed the adopted human health criteria. Asbestos has been reported at isolated locations; however, the widespread presence of building and demolition rubble (B&D) within the fill suggests that the potential for asbestos contamination may be greater than currently reported. Groundwater has been reported to contain dissolved heavy metals and per- and polyfluoroalkyl substances (PFAS) above the adopted ecological criteria, however, these impacts have been attributed to regional background concentrations rather than current or historical site land uses.

To support site planning requirements and the preparation of an Overarching Remedial Action Plan (O-RAP), supplementary data were required to address broad-scale identified data gaps.

This DGI Report has been prepared in general accordance with guidelines made or approved by the New South Wales (NSW) Environment Protection Authority (EPA) and relevant Australian Standards.

1.2 Objective

The objective of the DGI was to address broad-scale data gaps to inform potential remediation options and support the development of an overarching O-RAP for the Phase 1 Master Plan State Significant Development Application (SSDA) for the site.

1.3 Scope of Work

The following scope of works was undertaken:

- Desktop review of historical information and previous investigations;
- Advancement of systematic and targeted soil bores across accessible areas of the site;
- Use of a global positioning unit (GPS) to record sample locations for reference in the remedial planning/works;
- Comprehensive soil sampling for contaminants of potential concern (COPCs) from boreholes advanced across the site;
- Analysis of selected soil samples at a National Association of Testing Authority (NATA) accredited laboratory for a range of COPC including, but not limited to, TRH, benzene, toluene, ethylbenzene and

xylene (BTEX) compounds, PAHs, heavy metals, volatile organic compounds (VOCs), organochlorine pesticides (OCPs), polychlorinated biphenyls (PCBs), PFAS and asbestos;

- Additional analysis for potential acid sulfate soil (PASS) by suspension peroxide oxidation combined acidity and sulfur (sPOCAS) and chromium reducible suflur (SCr) analysis;
- Additional analysis by toxicity characteristic leaching procedure (TCLP) for heavy metals and PAHs to allow for preliminary waste characterisation in accordance with EPA (2014[1]) *Waste Classification Guidelines*;
- Assess potential contaminant leaching from soils via a program of Australian standard leaching procedure (ASLP) analysis for heavy metals and PAHs
- Assessment of soil physicochemical parameters (potential of hydrogen (pH) and cation exchange capacity (CEC), and Fraction Organic Carbon to enable appropriate consideration of potential ecological risk;
- Conversion of selected boreholes into groundwater monitoring wells targeting areas of environmental concern (AEC);
- Gauging, purging and sampling of existing and newly installed groundwater monitoring wells;
- Analysis of groundwater samples at a laboratory NATA accredited for a range of COPCs, including, but not limited to, heavy metals, TRH, VOCs, PAHs and PFAS; and
- Prepare a DGI Report in general with relevant EPA guidelines.

1.4 Address, Ownership Cadastre and Area

The following section outlines key site details, with the current site layout, cadastral boundaries and road reserves illustrated in **Figure 2A**.

Table 1.1: Site Address, Ownership, Cadastre and Area

Address and Ownership	Cadastre	Area (m^2)
209-219 Cope Street, Waterloo, 2017 (NSW LAHC[2])	Lot 1 SP 217386	10,355.13
238-246 George Street, Waterloo, 2017 (NSW LAHC)	Lot 1 DP 225159	9,595.34
229-231 Cope Street, Waterloo, 2017 (NSW LAHC)	Lot 3 DP 10721	346.71
6 John Street, Waterloo, 2017 (NSW LAHC)	Lot 1 DP 533762	1,930.92
97-109 Cooper Street, Waterloo, 2017 (NSW LAHC)	Lot A DP 105916	186.7
	Lot B DP 105916	187.8
	Lot C DP 105916	202.43
	Lot 14 DP 10721	366.91
224 – 154 George Street, Waterloo, 2017 (NSW LAHC)	Lot 2 DP 533678	6,212.98
232 Pitt Street, Waterloo, 2017 (NSW LAHC)	Lot 11 DP 635663	2,952.47
	Lot 10 DP 635663	767.62
74-76 Wellington Street, Waterloo, 2017 (NSW LAHC)	Lot 1 DP 224728	6,684.94
331-337 George Street, Waterloo, 2017 (NSW LAHC)	Lot 3 DP 533680	10,255.68
247-251 Cope Street, Waterloo, 2017 (NSW LAHC)	Lot 1 DP 533679	12,293.08
339-341 George Street, Waterloo, 2017 (NSW LAHC)	Lot 1 DP 77168	7,298.61

[1] *Waste Classification Guidelines: Part 1 – Classifying Waste.* NSW EPA 2014 (EPA 2014)
[2] NSW Land and Housing Corporation (LAHC)

Address and Ownership	Cadastre	Area (m^2)
250 Pitt Street, Waterloo, 2017 (NSW LAHC)	Lot 313 DP 606576	12,843.57
No Formal Address (NSW LAHC)	3/217386	753.58
Cooper, Wellington, George, John, West, Reeve, Pitt Streets (Council)	-	17,238.34
	Site Area	**99,719 (9.97 ha)**

1.5 Proposed Development

The site is proposed to be developed in a number of stages over the coming years (10+ years), with each stage requiring a Stage 2 Development Consent (with site-specific Remedial Works Plan (RWP), that will address any remaining/localised data gaps identified following the demolition of structures) to be lodged with the Consent Authority.

Based on a review of the Phase 1 Concept Plan (**Appendix A**), the site is proposed to be redeveloped as a mixed-use precinct with residential apartments, basement parking under select buildings, retail and commercial spaces (including a childcare), a potential education facility, public open spaces (parklands, walkways, cycleways), and a new or upgraded road network.

As the majority of the site is proposed for residential apartment use and open space (park), and with specific design elements such as landscaping, basement extents, and potential childcare centre/education facility yet to be finalised/confirmed, the following land use criteria have been adopted to meet the project objectives:

- **NEPC (2013[3]) HIL B** - Residential (with minimal soil access): Health Investigation Levels/Health Screening Levels (HILs/HSLs)
- **NEPC (2013) HIL C** - Public Open Space (park): HILs/HSLs
- **NEPC (2013) EIL A/B** - Urban Residential and Public Space: Ecological Investigation Levels/Ecological Screening Levels (EIL/ESL) using site-specific physicochemical parameters

Following the finalisation of design plans, further details/amendments to land use criteria will be included in the stage-specific RWPs.

[3] *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended).* National Environment Protection Council (NEPC 2013)

2. Site Condition, Surrounding Environment and History

The urban setting of Waterloo is characterised as a high-density inner-city environment. Historically comprising industrial uses and low-density residential housing, the area has undergone significant gentrification and urban renewal in recent years, resulting in a mix of low- to high-density residential developments, with retail and commercial uses generally concentrated along major arterial roads and around key transport hubs. As discussed herein, the site has more recently (circa 1960s) been used for residential land use with a childcare centre located east of West Street, South of Wellington Street.

The site location and surrounding area are illustrated in **Figure 1**. The current site layout is provided as **Figure 2A**, with the proposed layout shown as **Figure 2B**. Site details are summarised in **Table 2.1.**

Table 2.1: Summary of Site Details

Address and Cadastre	Refer to **Table 1.1** above
Area (m^2)	99,719 (9.97 ha)
Approximate Relative Level (RL) m Australian Height Datum (AHD)	RL 17.7 - 42.1 m AHD
Local Government Authority	The Council of the City of Sydney (Council)
County/Parish	Cumberland/Alexandria
Approximate Site Geographic Coordinates (MGA 56)	-33.899009, 151.202203
Zoning	Sydney Local Environmental Plan 2012 • MU1 (Mixed Use) • RE1 (Public Recreation) • SP2 (Infrastructure)
Land Ownership	Refer to **Table 1.1** above
Previous Land Uses	Mixed Land Use (historically including residential, commercial, and industrial uses, with more recent uses circa 1960s for social housing).
Current Land Uses	Residential (social housing and amenities), Childcare and Road Reserves
Proposed Land Uses	Mixed Land Use (residential, retail/commercial, recreational, childcare/potential education facility and road reserves)

2.1 Site Condition, Surrounding Land Use and Setting

The site condition, surrounding land uses and setting are summarised in **Table 2.2**

Table 2.2: Summary of Site Condition, Surrounding Land Use and Setting

Site Condition	**Boundaries**: The site is bounded by Raglan and Wellington Streets to the north; Pitt and Gibson Streets to the east; McEvoy and Kellick Streets to the south; and Cope Street to the west. In addition to these boundary roads, public road reserves lie within the site, providing access to various properties via John, Cooper, George, West, Reeve, and Pitt Streets.

	Structures: The site is predominantly occupied by a social housing estate comprising low to high-density residential buildings, including villas, apartments, and terrace blocks. A limited number of buildings feature basement parking; however, the majority were constructed at grade. Notably, in the eastern portion of the site, buildings were constructed into a west-facing slope using retaining walls to establish current site levels/retain soil. An electrical substation is also present in the southern portion of the site, along McEvoy Street. **Building Materials**: Suspected asbestos-containing materials (ACM) and lead-based paint were observed in several buildings across the site. The ACM and lead-based paint was noted to be in a deteriorated state at some locations. **Landscaping**: Landscaped areas surround most buildings, particularly along street frontages, typically comprising lawn areas, garden beds (shrubs), and mature trees, some reaching up to 20 m in height. Mature trees are also located within the street reserves. Several on-grade parking areas exist within the site, consisting of asphalt-paved surfaces, concrete walkways, and small ancillary structures used for garbage storage. Vegetation appeared healthy, with no observable signs of stress, indicating that contamination has not adversely impacted plant health. **Childcare Centre**: A children's day care centre is located within the estate at 104 Wellington Street.
Surrounding Land Uses	The surrounding area includes a diverse mix of residential, retail/commercial, recreational, and industrial land uses. The locality has a long and complex commercial/industrial history, with past land uses including car dealerships, automotive repair workshops, metal plating operations, service stations, landfills, dry cleaners/laundromats, and wool scourers (washing facilities). In recent years, the area has undergone significant gentrification, particularly west of Cope Street (facing Botany Road) and south of McEvoy Street, where land parcels have been redeveloped for medium- to high-density residential purposes. Upgradient of the site, most land to the north of Raglan and Wellington Streets, and east of George and Pitt Streets, is currently occupied by social or private residential developments. Immediately (10 m) west of the northern portion of the site lies the Waterloo Metro development site, which historically accommodated a dry cleaner and a service station. These properties are also considered cross or down-gradient of the site and are therefore not considered to pose a contamination risk to the site. Additionally, they have recently been remediated for mixed-use development (residential/commercial). The following is a summary of nearby properties (refer to **Appendix H**, including their current or former land use, approximate distance from the site, and directional location relative to the site. Given the extensive list of properties provided in **Appendix H,** the following provides a brief summary of nearby (i.e. within 300m) up-gradient potential sources of contamination: • Car hire and motor garage/service station, located at 762 Elizabeth Street (114m east of the site); • Footwear manufacturers, Leather manufacturers and plastic converters, located at 67 Raglan Street (52m northeast of the site);

	• Chemical manufacturers, located at 28 McEvoy Street (145m southeast of the site); • Clothing manufacturers, located at 49 Wellington Street (29m east of the site); • Ornamental metal workers, paint, plastic, enamel and varnish manufacturers, located at 14-16 Lenton Parade (60m east of the site); • Clothing manufacturers, located at 47 Wellington Street (45m east of the site); • Hardware Dealers and Iron Mongers, located at 693 Elizabeth Street (73m east of the site); • Galvanizers, located at 67 Raglan Street (52m northeast of the site); • Hardware Dealers and Iron Mongers, located at 73 Elizabeth Street (73m east of the stie); and • Motor garages, engineers, and service stations location at the corner of McEvoy and Moorehead Street (287m southeast of the site).
Topography and Drainage	The site lies within gently undulating regional topography of the Botany Sand formation, sloping mostly east to west/southwest. Elevations range from approximately 34 m AHD at Gibson Street (east) to 20 m AHD near Raglan and George Streets (northeast), and 16 m AHD at Cope and McEvoy Streets (southwest), with most of the change in elevation occurring in the eastern portion and the remainder relatively level. As shown on **Figure 2A**, the Potts Hill to Waterloo Pressure Tunnel traverses east-west within the central site extent. The tunnel was constructed between 1921 and 1935 by the Metropolitan Water, Sewerage and Drainage Board (now Sydney Water) at depths ranging from 46 to 118 m below ground surface (m bgs). The Waterloo Sydney metro development is also present immediately west of the site, and was constructed between 2019 and 2024, with tunnels present at a depth of approximately 25 m bgs.
Geology and Soils	Reference to the online ESPADE 2.2 tool hosted by the NSW Department of Planning, Industry and Environment (DPIE 2025[4]) and the 1:100,000 scale Sydney Series Geological Survey of NSW Sheet 9130 (DMR 1983[5]) indicates that the site is present within the following geological and soil landscapes: • **Geology**: Quaternary (Holocene and Pleistocene) wind-blown, fine to medium-grained, well-sorted marine quartz sand (Botany Sand Beds (BSBs)). The BSBs are generally underlain by Hawkesbury Sandstone. • **Soils**: Deep Podzols and Podzols/Humus Podzol intergrade – comprising loose grey-brown loamy sand, bleached loose sand, grey-brown mottled sands, black and brown soft sandy organic/iron pan, and yellow massive sands;

[4] *eSPADE v2.2 Web Map*, NSW Department of Planning, Industry and Environment, accessed 13 March 2025, https://www.environment.nsw.gov.au/eSpade2Webapp#

[5] *Herbert C., 1983, Sydney 1:100 000 Geological Sheet 9130, 1st edition.* Geological Survey of New South Wales, Sydney.

	○ **Limitations**: extreme wind erosion hazard, non-cohesive, highly permeable soil, very low soil fertility, localised flooding and permanently high water tables. Based on a review of previous investigations, the average depth of fill material across the site was reported to be approximately <1 m and was noted to comprise (predominately) sand, silty sand, and sandy clay/gravels, underlain by natural sand, clay and sandstone bedrock with shale lenses.
Acid Sulfate Soils	Review of the Acid Sulfate Soil Risk Map for Botany Bay (DLWC 1997[6]) indicated that the site is located within an area of 'no known occurrence' of ASS materials. Notwithstanding, JBS&G has conducted previous intrusive investigations in the areas surrounding (and adjacent to) the site, including the Waterloo Metro Station site, Alexandria Park, and properties fronting Wyndham Street and Botany Road, in which PASS were identified in underlying natural sandy clay at depth. As such, further assessment is considered warranted.
Hydrology	The nearest surface water receptor is Sheas Creek (brackish water body), located approximately 800 m to the south/southwest of the site. Sheas Creek flows to Alexandra Canal, which flows into the Cooks River (marine), approximately 1.3 km to the southwest, which ultimately discharges into Botany Bay (marine), located around 6 km from the site. Currently, impervious pavements cover more than 50% of the site, resulting in rainfall being largely managed by the existing stormwater infrastructure. Runoff is directed toward the road drainage network before entering the broader regional stormwater system. It is understood that regional stormwater is conveyed via underground infrastructure that ultimately discharges into Alexandra Canal. In the unsealed areas of the site, rainfall is expected to infiltrate the relatively permeable sandy fill soils. Any excess surface runoff from these areas is anticipated to enter the surrounding stormwater system, contributing to overall drainage toward Alexandra Canal.
Hydrogeology	Consistent with historical groundwater use in the Botany Sands Aquifer, numerous registered wells have been identified near the site. According to the Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024, the site is located within Area 2 of the Botany Sand Aquifer Embargo Area, designated due to known or suspected contamination from past industrial activity. Groundwater use in this zone is prohibited for domestic purposes, including drinking, garden irrigation, washing, bathing, and pool filling. Industrial users must test bore water at least annually and report results to the NSW Department of Climate Change, Energy, the Environment and Water (DCCEEW) and WaterNSW. Previous assessments (DP 2022a[7]/2022b[8]) identified shallow groundwater within the BSB aquifer and a deeper confined aquifer within the underlying sandstone bedrock. Shallow aquifer standing water levels (SWLs) ranged from 0.46 to 2.40 m bgs (13.0–29.6 m AHD), with a generally inferred

[6] *Acid Sulfate Soil Risk Map – Botany Bay, Edition 2, 1997*. 1:25 000 Ref: 91 30S3. NSW DLWC

[7] *Report on Preliminary Geotechnical Investigation, Proposed Residential Redevelopment,* George Street, Waterloo NSW Prepared by Douglas Partners Pty Ltd. ref. 215694.00 R.001.DftA QRR-13 dated November 2022 (DP 2022a)

[8] *Report on Pre-Demolition Detailed Site Investigation (Contamination) Waterloo South, Waterloo Housing Estate, George Street, Waterloo.* Prepared for NSW Land and Housing Corporation by Douglas Partners Pty Ltd ref. 215694.01 dated December 2022 (DP 2022b)

	westward flow direction, based on shallow wells and CPT observations. In bedrock monitoring wells, SWLs ranged from 8.70 to 19.48 m bgs (3.08 to 17.8 m AHD) with groundwater flowing westward/southwest.
Meteorology	A review of average climatic data for the nearest relevant Bureau of Meteorology monitoring location (Observatory Hill[9], 4.7 km from site) indicates the site is located within the following meteorological setting: • Mean minimum temperatures vary from 8.1°C in July to 18.9°C in February. • Mean maximum temperatures vary from 16.4°C in July to 26.0°C in January. • The mean annual rainfall is approximately 1211.1 mm, with rainfall greater than 1 mm occurring on an average of 99.5 days per year. • Monthly average rainfall varies from 68.1 mm in September to 133.1 mm in June, with the wettest periods occurring on average in February through to June.

2.2 Site History Summary

A review of historical aerial imagery, as referenced in AECOM (2020[10]), indicates that by 1943 the site was bounded by Raglan and Wellington Streets to the north, George, Pitt, and Gibson Streets to the east, McEvoy Street to the south, and Cope Street to the west. At that time, the area supported a mix of residential, commercial, and industrial land uses, characterised by a high density of buildings and allotments.

The northern portion of the site was predominantly residential, while the central and southern portions featured a combination of residential and commercial/industrial buildings, including several large warehouse-type structures. Access to properties was provided by a public road network, including Raglan, Wellington, John, Cooper, George, West, Reeve, and Pitt Streets, which remains largely unchanged today.

Historical Civic Survey Maps (refer **Figure 2C**) identified various industrial operations on site, including shoe manufacturing, electroplating, wine cellars, merchant and manufacturing businesses, carpet cleaning, panel beating, general transport, fur processing, a bond store, a bakery, and multiple stables. Similarly, as identified in AECOM (2020), review of historical business records identified a significant amount of former commercial/industrial land uses at the site, including sign construction, motor garage and service stations, footwear distributors and wholesalers, clothing manufacturers, kitchenware suppliers, textiles manufacturers, adhesive specialists, weavers, merchants, fibre glass production and fabrication, sheet metal fabrication, dyers/bleachers, plastic extruders, food processors and distributors, hardware suppliers, sheet metal workers, glaziers, galvanizers and tinners, butchers, and medical equipment manufactures**.** A detailed record of this is provided in **Appendix H**.

Between 1955 and 1965, substantial redevelopment occurred in the northern portion of the site, with the construction of large-scale residential buildings resembling the current site layout. Redevelopment of the central-eastern portion was evident by 1965, and by 1975, most of the central and southern site areas had undergone significant transformation, again reflecting the current configuration.

From 1975 to 2009, only minor structural changes were observed, including the addition of small ancillary buildings. However, the 2009 aerial photograph shows complete redevelopment of a central eastern

[9] http://www.bom.gov.au/climate/averages/tables/cw_066062.shtml, Commonwealth of Australia, Bureau of Meteorology, accessed on 13 March 2025 (BOM 2025)

[10] *Waterloo Geotech and Contamination Stud.* Prepared for NSW Land and Housing Corporation. Prepared by AECOM Australia Pty Ltd. Rev 05 dated 25 February 2020 (AECOM 2020)

warehouse along West Street, replaced by three separate buildings. Overall, the site's layout remained relatively consistent between 1986 and 2018.

2.3 Historical Land Titles and Council Records

A review of previous reports (**Section 2.5**) indicates that the site was historically under multiple private ownerships until the 1950s/1960s, when it was acquired by the NSW Government and redeveloped as a social housing estate with associated amenities.

Earlier reports included Section 10.7 Planning Certificates for a limited number of lots, which confirmed that those lots had not been:

- Declared significantly contaminated under the *Contaminated Land Management Act 1997* (CLM Act); and
- Subject to a management order, voluntary management proposal, ongoing maintenance order, or site audit statement, nor considered significantly contaminated to warrant regulation under the CLM Act.

2.4 EPA Searches

JBS&G conducted a search of the NSW EPA databases for the site and its immediate surroundings. The search comprised a review of the following:

- NSW EPA Contaminated Land Public Register (Section 58, CLM Act);
- Register of sites notified to the EPA (Section 60, CLM Act);
- NSW EPA Public Register under the *Protection of the Environment Operations Act 1997* (POEO Act);
- NSW EPA PFAS Investigation Program.

Search results indicated:

- **Section 58 Notices (CLM Act)**: No notices were issued for the site. One site, Lawrence Dry Cleaners Pty Ltd at 887–893 Bourke Street, Waterloo (approx. 650 m east of the site), was listed with 12 current and 3 former notices. However, due to its cross-gradient location and distance from the site, it is not considered an off-site contamination risk.
- **Section 60 Notifications (CLM Act)**: No notifications were identified for the site. Lawrence Dry Cleaners was also listed under this section, but, as above, is not considered a potential off-site source of contamination.
- **POEO Act Notices and Licences**: No prevention, clean-up, or prohibition notices were issued for the site. In the surrounding area:
    - Danks Street Plaza Drycleaners Pty Ltd (9/1 Crystal Street, Waterloo – approx. 750m east of the site) received a clean-up notice in May 2013 due to excessive storage of Perchloroethylene (PCE).
    - Former hazardous waste licences were issued to:
        - David Graphics Pty Ltd, 165 Phillip Street, located approx. 460m northeast of the site (Jan 2001–Aug 2003);
        - Emwest Products Pty Ltd, Joynton Avenue, located approx. 780m south of the site (Mar 2000–Feb 2004);
        - Heidelberg Graphic Equipment Ltd, 50 O'Dea Avenue, located approx. 770m southeast of the site (May 2000–Feb 2005); and

- Lawrence Dry Cleaners Pty Ltd, 887 Bourke Street, located approx. 650 m east of the site (Apr 2001–Feb 2005).

These sites are not considered significant contamination risks due to their redevelopment, downgradient or cross-gradient locations, and distance from the site.

- **PFAS Register**: The site has not been reported to the EPA for PFAS contamination. The nearby Alexandria Fire Station (189 Wyndham Street, approx. 500 m southwest) is listed on the PFAS register but is located downgradient and is not considered a potential contamination source to the site.

2.5 Previous Investigations

The following summaries are based on a review of environmental and geotechnical reports provided by the Client to support an interpretation of site conditions and potential contamination status.

2.5.1 AECOM Preliminary Site Investigation & Geotechnical Assessment Summary (AECOM 2020)

AECOM Australia Pty Ltd (AECOM) was engaged by the NSW LAHC to prepare a combined Geotechnical and Stage 1 Preliminary Site Investigation (PSI) report for the broader Waterloo Estate, for which the site is part. The primary objective was to identify geotechnical and contamination risks that could impact the site's suitability for the proposed mixed-use redevelopment, including commercial and residential uses. The assessment was limited to a desktop review; no intrusive investigations were conducted.

Geotechnical Findings

Based on a review of previous reports, not sighted by JBS&G, AECOM provided the following summary of encountered conditions:

- Subsurface lithology/geology included:
  - Sand and clay fill to <1 m bgs
  - Alluvial sand from 0.6 to 6.6 m bgs
  - Silty clay from 2.2 to 8.6 m bgs
  - Shale bedrock between 7.8 to 15.4 m bgs
  - Sandstone 2.2 to 22.5 m bgs
- Groundwater was encountered at depths of 2.1 to 3.1 m bgs, with inferred flow to the southwest.
- Acid Sulfate Soils: ASS/PASS properties were not encountered.

Preliminary Site Investigation Conclusions

- The site was reported to have a complex historical land use, with early light industrial activity prior to redevelopment as social housing in the 1960s, consistent with **Section 2.2**.
- AECOM developed a CSM (**Table 2.3)** identifying key contamination sources, potential contaminants of concern (CoPC), exposure pathways, and receptors:

Table 2.3: PSI CSM (AECOM 2020)

Source	COPC	Pathway(s)	Receptor(s)
Light industrial and commercial infrastructure (on and adjacent to the site)	Asbestos Heavy metals TRH, BTEX, PAH and VOC	Direct contact during soil disturbance Inhalation of volatiles and windblown dust Leaching from soil and migration through groundwater	Current/Future site workers Current/Future site residents Sheas Creek and Alexandra Canal

Imported Fill	Asbestos Heavy metals TRH, BTEX, PAH, VOC, OCP/Organophosphorus Pesticides (OPP) and PCB	Direct contact during soil disturbance Inhalation of volatiles and windblown dust Leaching from soil and migration through groundwater	Current/Future site workers Current/Future site residents Sheas Creek and Alexandra Canal
Hazardous Building Material	Asbestos Lead	Direct contact during soil disturbance Inhalation of windblown dust Leaching from soil and migration through groundwater	Current/Future site workers Current/Future site residents Sheas Creek and Alexandra Canal
Electricity Substations[a]	PCBs and Asbestos	Direct contact during soil disturbance Inhalation of windblown dust	Current/Future site workers Current/Future site residents

[a] JBS&G note the sub-station located at 336 George St, Waterloo, NSW is not located on site

On the basis of the findings of the PSI report, AECOM recommended the preparation of the following:

- Stage 2 Contamination Assessment (i.e. Detailed Site Investigation (DSI)): To delineate the nature and extent of contamination in soil and groundwater.
- Construction Environmental Management Plan (CEMP): To manage environmental risks during redevelopment.
- Materials Management Plan (MMP): To facilitate appropriate reuse and/or disposal of materials.
- Acid Sulfate Soils Management Plan (ASSMP): If actual or potential ASS is encountered during works, appropriate management.

2.5.2 Preliminary Geotechnical Investigation (DP 2022a)

Douglas Partners Pty Ltd (DP) was engaged by LAHC to undertake a preliminary geotechnical investigation for the site. The scope included a desktop review and fieldwork to identify geotechnical constraints.

DP noted the site varies in elevation from 32 m AHD at Gibson Street to RL 16 m AHD at George Street. The western portion was noted to be generally flat, while benching up to 1.2 m was observed in the east. The site was noted to lie in proximity to key infrastructure, including the Sydney Metro City & Southwest Tunnel, T8 Airport & South Line, and the heritage-listed Potts Hill to Waterloo Pressure Tunnel.

DP reviewed several historical reports (not sighted by JBS&G) prepared by DP, summarised as follows:

- **Feb 1979**: 9 cored boreholes in the southeastern site encountered sandy clayey soils to 6.5 to 13.9 m bgs over shale and sandstone.
- **Sep 2003**: Two cone penetration tests (CPTs) at 180 to 182 Cope Street found sandy and clayey soils to 5 to 7 m bgs over weathered rock at 11 to 12 m bgs.
- **Mar 2013**: Seven boreholes for a proposed George Street cycleway identified fill over clay and shallow shale bedrock (1 to 2 m bgs) in the north. Bedrock was not encountered.
- **Sep 2015**: At 133 to 141 Botany Road (~40 m west of the site), CPTs showed fill to 2 m bgs, sandy soils to 8 m, then clay over shale at 9 to 11 m bgs. (not part of the site).

- **2020**: A contaminated sites strategy for the Waterloo Metro Quarter (adjacent NW of the site) reported variable fill over 4 to 6 m sandy soils, underlain by clay/shale bedrock at 7 to 10 m bgs. PASS was identified beneath alluvial sands, and groundwater was observed at 3.3 to 3.7 m bgs. (not part of the site).

As part of their field program, DP drilled 12 boreholes (BH1 to BH12) using a combination of hand auger, solid flight auger, and wash-bore methods. Six boreholes were completed as monitoring wells:

- Shallow wells (BH2, BH4, BH12): Screened in natural sand/clay (BH2 and BH4) or fill and natural layers (BH12).
- Deep wells (BH1, BH7, BH10): Screened in bedrock.

Groundwater was measured between 1.5 to 3 m bgs (shallow) and 8 to 20 m bgs (deep), indicating two aquifers: a shallow aquifer in sand/perched over clay, and a deeper aquifer within bedrock (sandstone with shale lenses).

Given known PASS in the nearby Waterloo Metro Quarter, DP screened 11 samples from 7 boreholes for PASS. All results were below ASSMAC (1998[11]) action criteria, indicating no PASS presence at the site. However, DP recommended further characterisation in future investigations.

DP recommended:

- Tanking of basements, with drained options potentially feasible in some areas.
- Dewatering via spear point and sump-and-pump methods during construction.
- Specific guidance for excavation, shoring, and piling methods.

2.5.3 Sampling, Analysis and Quality Plan (DP 2022c[12])

DP was engaged by LAHC to prepare a Sampling and Analysis and Quality Plan (SAQP) for ensuring intrusive field work. This document detailed the proposed sampling location, sampling methodology, assessment criteria and the quality controls to guide the intrusive investigations and support the DSI report proposed to be prepared for the site.

In addition, DP present a revised CSM based on the basis of the CSM presented by AECOM (2020) which is presented in **Table 2.4**

Table 2.4 DSI CSM (DP 2022c)

Source	COPC	Pathway(s)	Receptor(s)
Light industrial and commercial infrastructure (adjacent to the site)	Asbestos Heavy metals TRH, BTEX, PAH, VOC	Direct contact during soil disturbance Inhalation of wind-blown dust (in unsealed areas) Inhalation of volatiles that migrate through the vadose zone Leaching from soil and migration through groundwater and/or via stormwater	Current/Future on and off-site workers Current/Future on and off-site residents Sheas Creek and Alexandra Canal

[11] *Acid Sulfate Soil Manual 1998,* New South Wales Acid Sulfate Soil Management Advisory Committee, Published 26 August 1998 (ASSMAC 1998)

[12] *Sample and Analysis Quality Plan Waterloo South, Waterloo Housing Estate George Street, Waterloo*. Prepared for NSW land and Housing Corporation. Prepared by Douglas Partners Pty Ltd ref. 215694.01 dated December 2022 (DP 2022c)

Source	COPC	Pathway(s)	Receptor(s)
Imported Fill	Asbestos Heavy metals TRH, BTEX, PAH, VOC, OCP/OPP, PCB	Direct contact during soil disturbance Inhalation of wind-blown dust (in unsealed areas) Inhalation of volatiles that migrate through the vadose zone Leaching from soil and migration through groundwater and/or via stormwater	Current/Future on and off-site workers Current/Future on and off-site residents Sheas Creek and Alexandra Canal
Hazardous Building Material	Asbestos Lead	Direct contact during disturbance Inhalation of windblown dust Direct contact (with lead) during soil disturbance activities Leaching from soil and migration through groundwater	Current/Future on-site workers Current/Future on-site residents Sheas Creek and Alexandra Canal
Electricity Substations[a]	PCBs and Asbestos	Direct contact during soil disturbance Inhalation of windblown dust (in unsealed areas) Leaching from soil and migration through groundwater and/or via stormwater	Current/Future on-site workers Current/Future on-site residents
Light industrial and commercial properties (outside the Estate)	Heavy Metals TRH, BTEX, PAH, VOC	Leaching from soil and migration through groundwater and/or via stormwater	Current/Future on-site workers Current/Future on-site residents

[a] JBS&G note the sub-stations located at 336 George St and 213-15 Cope Street, Waterloo, NSW are not located on site

2.5.4 Pre-Demolition Detailed Site Investigation (DP 2022b)

DP was commissioned by LAHC to undertake a Pre-Demolition DSI for the site. The scope included a review of existing investigations, supplemented by an intrusive fieldwork program.

The site history was consistent with that outlined in **Sections 2.1** to **2.3**. The intrusive investigation involved advancing 55 boreholes (BH1 to BH55) on an approximate grid basis (with consideration to the tenanted nature of the site) and installing six groundwater monitoring wells (BH1/MW1, BH2/MW2, BH4/MW4, BH7/MW7, BH10/MW10, BH12/MW12).

Soil samples were analysed for COPC, including: 8 heavy metals, TRH, BTEX, PAHs, OCP, OPP, PCBs, PFAS and asbestos (presence/absence method only). Groundwater samples were analysed for: 8 heavy metals, TRH, BTEX, VOCs, PAHs, OCP, OPP, PCBs and PFAS.

DP reported:

- Fill materials were encountered up to 1.6 m bgs, consisting of sand, silty sand, and sandy clay.

- Alluvial sand observed to 1.6 m bgs.
- Sandy and silty clay identified between 0.6 and 12.85 m bgs.
- Bedrock (claystone/siltstone) found between 4.1 and 21 m bgs.
- Non-friable(bonded) ACM (refer to **Figure3B**) was detected at:
    - BH13 (0–0.9 m)
    - BH30 (0–0.6 m)
    - BH28 (0.4–0.5 m)

JBS&G note asbestos analysis did not use 500 mL sample volumes, and the borehole diameter (80mm) was not compliant with NEPC (2013)/WA DOH (2009[13]) for the assessment of asbestos in fill. Building and demolition rubble was observed in 22 of 55 boreholes.

Soil analyses exceeded the adopted NEPC (2013) Residential with Access to Soil (HIL-A) criteria adopted, as follows:

- Lead concentrations in 25 samples exceeded the human health criterion, with concentrations ranging between 340 and 1,300 mg/kg. Lead impacts were largely reported in surface soils (0-0.5 m bgs).
    - Lead was also reported to exceed the ecological criterion in a number of samples, with concentrations ranging between 1,100 and 1,300 mg/kg.
    - Subsequent TCLP data were obtained for the highest observed lead concentrations. No exceedances of the EPA (2014) TCLP1 threshold criterion of 5 mg/L were reported.
- Zinc exceeded the ecological criterion in 7 samples, with concentrations ranging from 520 to 1,200 mg/kg, generally confined to sand and clay fill materials within the top 0.5 m bgs.
- Total chromium exceeded the human health criterion in 2 samples, with reported concentrations of 140 and 470 mg/kg.
- Carcinogenic Benzo(a)pyrene (BaP) Toxicity Equivalent (TEQ) exceeded the human health criterion at 6 locations (3.9 to 49 mg/kg), while B(a)P exceeded the ecological criterion at 24 locations (0.72 to 34 mg/kg). Exceedances were largely within the top 0 to 0.15 m and are considered likely associated with the introduction of asphalt during sampling.
- TRH fraction F3 (>C16-C34) was observed to exceed the adopted ESL at 2 sample locations, with reported concentrations of 330 and 450 mg/kg.
- All other COPC were below the adopted assessment criteria/laboratory limit of reporting (LOR).
- Limited leachate assessment (TCLP) was undertaken. Where leachate analysis was undertaken, fill was reported to contain low to moderate leachate properties via TCLP analysis.

JBS&G noted that assessing against the HIL-A criteria is not appropriate for the proposed land uses. However, HIL-A may apply in areas planned for future developments, such as schools or childcare centres. For this assessment, HIL-B and HIL-C land use criteria have been adopted, and exceedances are shown on **Figure 4A**.

DP indicated that most soils on the site would be classified as Restricted/Hazardous waste due to elevated lead concentrations. However, JBS&G note that, in line with the NSW *Waste Classification Guidelines*

[13] *Guidelines for the Assessment Remediation and Management of Asbestos-Contaminated Sites in Western Australia,* May 2009. Western Australia Department of Health (DoH), (WA DOH 2009)

(EPA 2014), soils at many of these locations could be pre-classified as General Solid Waste (GSW), as they are resultant from current/former residential use.

The following summarises the findings of the groundwater assessment undertaken at the site. Analytical results were compared to a residential land use criteria:

- Groundwater samples were collected from three shallow wells (BH2/MW2, BH4/MW4, BH12/MW12) and two deep wells (BH7/MW7, BH10/MW10) (**Figure 3A**).
- Both shallow and deep groundwater exhibited conditions ranging from reducing to slightly oxidising (ORP: -142 to 179.2 mV), slightly to moderately acidic (pH 4.78 - 6.78), and fresh to slightly brackish (EC 213 - 981 µS/cm).
- Organic contaminants, including BTEX, PAHs, VOCs, phenols, OCP, OPP, and PCBs, were all below the adopted 95% Groundwater Investigation Levels (GIL) for Marine Water (ANZG 2018[14]).
- Nickel, zinc, and copper exceeded 95% GILs for Marine Water at many locations but were considered to be representative of regional background levels and thus not considered a risk requiring remediation.
- All TRH and benzene concentrations were below the adopted HSL, except for TRH-F2 at BH7/MW7, which initially exceeded the criterion (1,500 µg/L). However, post–silica gel cleanup, the concentration was 1,000 µg/L, with DP reporting that the elevated TRH was not likely petroleum-related.
- PFAS compounds were detected in all groundwater samples: Perfluorooctanesulfonic acid (PFOS) exceeded the ecological criterion of 0.00023 µg/L at all locations but remained below recreational criteria. PFAS levels were considered to be representative of urban background levels.

Groundwater exceedance against the adopted criteria in **Section 6** is shown on **Figure 5**.

2.6 Quality Assurance/Quality Control Appraisal

Based on the review of the quality assurance/quality control (QA/QC) assessments presented in previous reports and the findings of this assessment, the data is considered to be of acceptable quality for the purposes of remedial planning and the development of a O-RAP. Specifically, JBS&G notes the following:

- The site history was consistent across previous reports and aligned with the findings of JBS&G's desktop review.
- All laboratory analysis was undertaken by NATA-accredited laboratories.
- All sample extraction and analyses were undertaken within the appropriate timeframes for the relevant COPC.
- Relative Percentage Differences (RPDs) were generally below the acceptable limit, or where they weren't, it was noted to be attributable to the low actual difference in total concentrations or attributable to the heterogeneity of the fill profile.
- All Trip Spike, Matrix Spike, and Surrogate Spike recoveries were in the acceptable range, with at least one of each submitted per laboratory batch.
- Trip Blanks, Laboratory Blanks, and Rinsate samples did not report concentrations above the laboratory LOR, with at least one of each submitted per laboratory batch.
- Laboratory Duplicates were reported within the acceptable range.

[14] *Australian and New Zealand Guidelines for Fresh and Marine Water Quality,* Australian and New Zealand Governments and Australian State and Territory Governments, Canberra ACT, Australia, August 2018 (ANZG 2018)

- Field procedures were generally appropriate; however, it is noted that previous sampling was conducted using 80 mm boreholes, rather than the minimum 150 mm diameter recommended for asbestos assessment in fill materials. Potential also remains for PAH impacts to be attributed to asphalt being worked into the soil profile as a result of the sampling methodology.

2.7 Data Gaps

The following data gaps have been identified to meet the project objectives:

- **Site Wide**: Conduct infill soil sampling and analysis, as far as practicable, given only 67 sample locations have been completed historically.
- **Site Wide and Targeted**: Adequate screening of asbestos in soil is required, and to inform WSH provisions and waste classification with some location targeting site structures.
- **Site Wide**: Additional leachate assessment by TCLP testing for waste classification purposes is required.
- **Site Wide**: Assessment of soil physicochemical parameters such as pH and CEC is required to enable a more appropriate consideration of potential ecological risks, consistent with NEPC (2013) guidelines.
- **Targeted**: Additional ASS/PASS assessment is required in areas of potential basement and/or low-lying areas.
- **Site Wide**: Limited analysis in soil has been undertaken for VOCs, OCPs and PCBs. Further characterisation is required, given the previous CSMs.
- **Site Wide and Targeted**: Further assessment of soil and groundwater for the presence of PFOS to determine whether its occurrence is due to regional influences or site-specific conditions and compliance with NEMP 3.0 (2025[15]) guidelines.
- **Site Wide**: Further investigation is required to assess the leaching potential of contaminants (ASLP) and the risk to human health and ecological receptors where fill is proposed to be retained.
- **Site-Wide and Targeted:** An additional round of groundwater characterisation to account for potential temporal and seasonal variability.

[15] *PFAS National Environmental Management Plan 3.0.* - Heads of EPAs Australia and New Zealand, March 2025 (PFAS NEMP 2025)

3. Revised Conceptual Site Model

NEPC (2013) identifies a CSM as a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The development of a CSM is an essential part of all site assessments.

- NEPC (2013) identified the essential elements of a CSM as including:
- Known and potential sources of contamination and contaminants of concern including the mechanism(s) of contamination.
- Potentially affected media (soil, groundwater, vapours etc.).
- Human and ecological receptors.
- Potential and complete exposure pathways; and
- Any potential preferential pathways.

Based on the available information and the findings of previous investigations, the following CSM for the site has been presented in **Table 3.1.**

Table 3.1: Revised Conceptual Site Model

CSM Aspects	Summary of Available Information
Known and Potential Site Contamination Sources	**Fill Materials/Natural Material** Fill materials (imported and/or resultant from site activities) are present on site, impacted to varying degrees with heavy metals (notably lead), asbestos, and PAHs. The impacts appear to be associated with or co-mingled with, B&D inclusions. The average depth of fill material across the site was reported to be approximately <1 m and was noted to comprise (predominantly) sand, silty sand, and sandy clay/gravels. Natural underlying soils (sand and, in turn, clay and bedrock) have generally been reported to be free of impacts. **Groundwater** Previous assessments identified shallow groundwater within the BSB aquifer and a deeper confined aquifer within the underlying sandstone bedrock. Shallow aquifer standing water levels (SWLs) ranged from 0.46 to 2.40 m bgs (13.0–29.6 m AHD), with a generally inferred westward flow direction. In bedrock monitoring wells, SWLs ranged from 8.70 to 19.48 m bgs (3.08 to 17.8 m AHD) with groundwater flowing westward/southwest. Groundwater was observed to be impacted with heavy metals and PFOS, potentially sourced from historical commercial/industrial land-uses at the site (refer **Section 2.2**), however, JBS&G consider the reported concentrations to be indicative of regional background concentrations, and not attributable to (historical or current) site sources or activities.
Potentially Affected Site Media	**Fill Materials/Natural Material**: Impacts in fill were generally reported to be constrained to the top 0.2-0.5 m and considered associated with either imported growing media or resultant from B&D hazardous building material inclusion (lead paint, asbestos) from site structures. As noted above, where impacts were encountered, they were generally exceedances of the adopted ecological criteria. Natural underlying soils (sand and, in turn, clay and bedrock) have generally been reported to be free of impacts. **Groundwater**: Groundwater underlying the site has been found to have a range of heavy metals and PFOS above the adopted criteria, consistent with regional background levels. The site was not identified as contributing to reduced groundwater quality.

CSM Aspects	Summary of Available Information
Human and Ecological Receptors	The key receptors which would be exposed to potential impact on the site include both human and ecological receptors. The primary human receptors include future users of the site, including residents, on-site intrusive maintenance or construction workers. Off-site human receptors include off-site residents of the adjacent residential properties; off-site intrusive maintenance or construction workers; and commercial/industrial workers of the properties. Ecological receptors include off-onsite groundwater-dependent ecosystems. In addition, ecological receptors on-site include site flora. As noted in **Section 2.1**, vegetation appeared healthy, with no observable signs of stress, indicating that contamination has not adversely impacted plant health. The nearest surface water receptor is Sheas Creek (brackish water body), located approximately 800 m to the south/southwest of the site. Sheas Creek flows to Alexandra Canal, which flows into the Cooks River (marine), approximately 1.3 km to the southwest, which ultimately discharges into Botany Bay (marine), located around 6 km from the site. The site is located within Area 2 of the Botany Sand Aquifer Embargo Area, designated due to known or suspected contamination from past industrial activity.
Potential and Complete Exposure Pathways	The potential pathways of concern for fill/soil impact to pose a risk to future on-site occupiers and off-site receptors include: • Oral and dermal direct contact with impacted soils and groundwater. • Vapour intrusion into future site structures of hydrocarbons or VOCs. • Inhalation of airborne contaminants (including airborne asbestos fibres). • Vertical migration of leachable metals, PAHs, and PFAS from site fill material, albeit limited, given the reported leachability characteristics of site fill and groundwater analytical results. • Lateral groundwater migration off-site or vertical migration.
Preferential Pathways for Contamination Migration	For the purpose of this assessment, preferential pathways have been defined as natural and/or man-made pathways that result in the preferential migration of COPC as either solids, liquids, or gasses. Man-made preferential pathways are present within the site as associated with current/future underground infrastructure or service trenches adjacent to the site's boundary or potentially traversing the site to adjacent properties. Potential remains for vertical migration of COPCs associated with fill materials to groundwater.
Potential for Offsite Migration	The COPC identified as during previous investigation are present in solid form (e.g. heavy metals, bonded asbestos, PAHs). As such, there is currently considered to be minimal potential for contamination migration by wind-blown dust and surface water movement.

4. Sampling Analysis and Quality Plan

4.1 Data Quality Objectives

Data quality objectives (DQOs) are statements that define the confidence required in conclusions drawn for data produced for a project, and which must be set to realistically define and measure the quality of data needed.

DQOs have been developed for this DGI, as discussed in the following sections.

4.1.1 State the Problem

The site is planned for redevelopment into a mixed-use precinct comprising residential apartments, basement parking beneath select buildings, retail and commercial spaces (including a childcare centre), a potential education facility, public open spaces (such as parklands, walkways, and cycleways), and a new or upgraded road network.

Previous site investigations have identified potential risks from soil (and potentially groundwater) contamination. Additional environmental data is needed to address key data gaps and support the preparation of a O-RAP for the Phase 1 Master Plan SSDA.

Since most of the site is proposed for residential apartments and open space (parks) land use, with certain design details like landscaping, basement extents, and childcare or potential education facility locations yet to be finalised/confirmed, the following land use criteria have been adopted to meet the project objectives:

- **NEPC (2013) HIL B** - Residential (with minimal soil access): HILs/HSLs
- **NEPC (2013) HIL C** - Public Open Space (park): HILs/HSLs
- **NEPC (2013) EIL A/B** - Urban Residential and Public Space: EIL/ESL using site-specific physicochemical parameters.

4.2 Identify Inputs to the Decision?

The following presents the decision questions required to meet the project objectives:

1. Are the findings of this data gap investigation consistent with the revised CSM in **Section 3**?
2. Is the data collected to date of an appropriate quality and reliability such that a O-RAP can be prepared to support the Phase 1 Master Plan??

4.3 Identify Inputs to the Decision?

Inputs informing the decisions included:

- Findings from previous investigations, including historical background, site observations, laboratory data, and reports;
- A detailed site inspection;
- Field observations and sampling of potentially contaminated soil and groundwater;
- Development of suitable assessment criteria for evaluating soil and groundwater results;
- Laboratory analysis of soil and groundwater samples for COPC; and
- Verification of data quality through QA/QC assessment, confirming that results meet the data quality indicators (DQIs) outlined in **Section 4.6**.

4.4 Define the Study Boundaries

The study boundaries include the site shown on **Figures 2A** and **2B** and described in **Table 1.1** The vertical extent of the current study comprised:

- **Soil** - approximately 0.5 m into natural soils. In areas, sample locations were extended up to 9 m in depth to allow for the assessment of potential contaminant conditions within the capillary zone, within future potential basement envelopes and/or for PASS properties at depth.
- **Groundwater** - sampling of existing and newly installed groundwater monitoring. New groundwater monitoring wells (installed by others) were installed to depths of approximately 2 m below the standing water table or a maximum of 16.3 m bgs (whichever was shallower).

The temporal scope of this assessment is limited to the field work conducted between October 2022 and April 2025. However, historical investigations have been conducted over several months/years, and the contaminants of concern are not considered to be influenced by temporal factors. Therefore, seasonality and other temporal variables are considered to have been adequately assessed.

4.5 Develop a Decision Rule

Has additional site characterisation data been collected in general accordance with NSW EPA made or endorsed guidelines to address the data gaps, and is the data of suitable quality to support the preparation of an overarching RAP?

1. Are the findings of this investigation consistent with revised CSM in **Section 3**?;
    - If the findings of this investigation are generally consistent with the revised CSM (**Section 3**), while refining the understanding of spatial variability such that remedial planning and a C_RAP can be prepared, then the answer to the decision questions is **Yes**. Otherwise, the answer is **No**, and further characterisation activities will be required to meet the project objectives.
2. Is the data collected to date of an appropriate quality and reliability such that an overarching O-RAP can be prepared to support the Phase 1 Master Plan?
    - If the data collected is considered to be of suitable quality and reliability, as demonstrated through compliance with DQOs and DQIs outlined in **Section 4.6**, then the answer to the decision questions is **Yes**. Otherwise, the answer is **No**, and further characterisation activities will be required to meet the project objectives

4.6 Specify Limits of Decision Error

This step is to establish the decision maker's tolerable limits on decision errors, which are used to establish performance goals for limiting uncertainty in the data. Data generated during this validation assessment must be appropriate to allow decisions to be made with confidence.

Specific limits for this project were adopted in accordance with the appropriate guidance from the NSW EPA, NEPC (2013), EPA (2017[16], 2020[17] and 2022[18]), ASSMAC (1998) and ANZG (2018), appropriate indicators of data quality (DQIs used to assess quality assurance/quality control) and standard JBS&G procedures for field sampling and handling.

To assess the usability of the data prior to making decisions, the data was assessed against pre-determined DQIs for completeness, comparability, representativeness, precision, accuracy and sensitivity.

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[16] *Guidelines for the NSW Site Auditor Scheme* (3rd Edition). NSW Environment Protection Authority, October 2017, (EPA 2017)
[17] *Consultants Reporting on Contaminated Land, Contaminated Land Guidelines*. NSW EPA, 2020 (EPA 2020)
[18] *Contaminated Land Guidelines: Sampling design part 1 – application*. NSW EPA, August 2022 (EPA 2022)

The pre-determined DQIs established for the project are discussed below in relation to precision, accuracy, representativeness, comparability, completeness and sensitivity (PARCCS parameters), and are shown in **Table 4.1**.

- **Precision** - measures the reproducibility of measurements under a given set of conditions. The precision of the laboratory data and sampling techniques is assessed by calculating the RPD of duplicate samples.
- **Accuracy** - measures the bias in a measurement system. The accuracy of the laboratory data that are generated during this study is a measure of the closeness of the analytical results obtained by a method to the 'true' value. Accuracy is assessed by reference to the analytical results of laboratory control samples, laboratory spikes and analyses against reference standards.
- **Representativeness** - expresses the degree to which sample data accurately and precisely represent a characteristic of a population or an environmental condition. Representativeness is achieved by collecting samples on a representative basis across the site, and by using an adequate number of sample locations to characterise the site to the required accuracy.
- **Comparability** - expresses the confidence with which one data set can be compared with another. This is achieved through maintaining a level of consistency in techniques used to collect samples; ensuring that analysing laboratories use consistent analysis techniques and reporting methods.
- **Completeness** - is defined as the percentage of measurements made which are judged to be valid measurements. The completeness goal is set at there being sufficient valid data generated during the study.
- **Sensitivity** - expresses the appropriateness of the chosen laboratory methods, including the limits of reporting, in producing reliable data in relation to the adopted criteria.

Table 4.1 Summary of Quality Assurance/Quality Control Program

Data Quality Objectives	Frequency	Data Quality Indicator
Precision		
Blind duplicates (intra-laboratory)	1 / 20 samples (PFAS 1 / 10 samples)	<30[2]-<50% RPD[1], asbestos in agreement
Blind duplicates (inter-laboratory)	1 / 20 samples (PFAS 1 / 10 samples)	<30[2]-<50% RPD[1], asbestos in agreement
Laboratory duplicates	1 / 20 samples	<30[2]-<50% RPD[1], asbestos in agreement
Accuracy		
Surrogate spikes	All organic samples	70-130%
Laboratory control samples	1 per lab batch	70-130%
Matrix spikes	1 per lab batch	70-130%
Representativeness		
Sampling appropriate for media and analytes		-2
Samples extracted and analysed within holding times	-	Soil: organics (14 days), inorganics (6 months)
Trip spike	1 per sampling event	70-130% recovery
Storage blank	1 per sampling event	<LOR
Rinsate blank	1 per sampling data where reusable equipment is used	<LOR
Laboratory blanks	1 per lab batch	<LOR

Data Quality Objectives	Frequency	Data Quality Indicator
Comparability		
Standard operating procedures for sample collection & handling	All Samples	All samples[2]
Standard analytical methods used for all analyses	All Samples	All samples[2]
Consistent field conditions, sampling staff and laboratory analysis	All Samples	All samples[2]
Limits of reporting appropriate and consistent	All Samples	All samples[2]
Completeness		
Sample description and chain of custody (COC) completed and appropriate	All Samples	All samples[2]
Appropriate documentation	All Samples	All samples[2]
Satisfactory frequency and result for QC samples	All QA/QC samples	-[2]
Data from critical samples is considered valid	-	Critical samples valid[2]
Sensitivity		
Analytical methods and limits of recovery appropriate for media and adopted site assessment criteria	All Samples	All samples

[1] If the RPD between duplicates is greater than the pre-determined data quality indicator, a judgment will be made as to whether the excess is critical in relation to the validation of the data set or unacceptable sampling error is occurring in the field.
[2] A qualitative assessment of compliance with standard procedures and appropriate sample collection methods will be completed during the DQI compliance assessment.

4.7 Optimise the Design for Obtaining Data

Various strategies for developing a statistically based sampling plan are identified in EPA (2022), including judgmental, random, systematic, and stratified sampling patterns. As noted in **Sections 1** and **2**, the site has an area of approximately 9.97 ha, with approximately 50% of the site occupied by building and road reserves. Excluding these areas, which will form data gaps in subsequent RWPs to support Phase 2 Stage-specific RWPs, the site accessible area occupies approximately 5 ha.

For an area of approximately 5 ha, the NSW EPA (2022) *Sampling Design Guidelines* recommend a minimum of 55 systematic soil sampling locations for the detection of circular contamination 'hotspots'. Historically, 55 sample locations have been advanced across accessible portions of the site.

Based on a review of previous analytical data, soil physical properties as summarised in **Section 2**, and identified data gaps, a combination of a systematic and targeted sampling design was considered most appropriate for the current investigation to provide sufficient data to meet the project objectives.

4.7.1 Soil Investigation

A total of 18 sample locations were added to supplement the existing soil dataset, providing broad site coverage to address site-wide data gaps.

Soil samples were advanced via the use of a track-mounted drill rig equipped with push tube and/or solid flight auger attachments, with samples submitted for laboratory analysis for a range of COPCs, as outlined in **Table 4.2** .

4.7.2 Groundwater Investigation

Previous investigations involved the installation of six groundwater monitoring wells. Three of these wells were accessible during the sampling event undertaken by JBS&G (MW01, MW02, and MW04). To supplement the serviceable wells network, address data gaps and support the findings of previous investigations, seven new groundwater monitoring wells were advanced. The positioning of these wells was designed to:

- Allow for assessment of groundwater condition migrating onto the site;
- Allow for further assessment of groundwater for the presence of PFOS to determine whether its occurrence is due to regional influences or site-specific conditions; and
- Allow for the assessment of groundwater condition, leaving the site.

In total, 10 groundwater monitoring wells were sampled.

4.8 Sampling Methodology

4.8.1 Soil Sampling Methodology

Soil samples were collected using a track-mounted drill rig equipped with push tube and/or solid flight auger attachments. Discrete samples were obtained from the push tubes using a new pair of nitrile gloves for each sample, extending to an average depth of 0.5 m into natural soil. Following sample collection, each location was re-drilled using a 200 mm auger to allow for inspection of the fill profile for potential ACM.

Sampling was generally conducted from the ground surface or immediately beneath hardstand pavements and then at 0.5 m intervals to a depth of approximately 0.5 m into natural materials. At selected locations, boreholes were advanced to depths of up to 9.0 m bgs to facilitate assessment of PASS properties in areas identified as having potential future basement development.

During sampling, field personnel recorded observations of features such as seepage, discolouration, staining, odours, and other potential indicators of contamination (refer to **Appendix B** for field logs).

Collected soil samples were immediately transferred into laboratory-supplied jars or bags, as appropriate. These containers were then placed in a chilled icebox for preservation prior to and during transport to the testing laboratory. A chain-of-custody form was completed and submitted with each sample batch. Laboratory analyses were conducted based on field observations and in accordance with the analytical schedule outlined in **Table 4.2.**

In addition, field screening for PASS was undertaken in accordance with ASSMAC (1988). Field screen records are provided in **Analytical Summary Tables**.

4.8.1.1 PID Screening

During site works, sufficient sample material was collected to allow for field testing using a photo-ionisation detector (PID) and laboratory analyses to assess the potential presence of VOCs, including petroleum hydrocarbons. Samples obtained for PID screening were placed in a sealed plastic bag for approximately 2 minutes to equilibrate prior to a PID being attached to the bag. Readings were then monitored for a period of approximately 30 seconds or until values stabilise and the stabilise/highest reading recorded on filed logs (**Appendix B**). The PID was calibrated prior to the commencement of field works, and then check readings were completed on a daily basis during the field program using suitable calibration gas. Calibration documentation is provided in **Appendix D**.

4.8.1.2 Duplicate and Triplicate Sample Preparation

For discrete soil samples, field duplicate and triplicate samples were obtained using the above sampling methods. Each sample was divided laterally into three samples with minimal disturbance and placed in clean

glass jars and/or bag (as appropriate). Each sample was labelled with a primary, duplicate or triplicate sample identification before being placed in the same chilled esky for transport to the laboratory.

4.8.1.3 Decontamination

Prior to the commencement of sampling activities, no non-disposable sampling equipment was used during the soil sampling investigation.

Decontamination documentation is provided in **Appendix D.**

4.8.2 Groundwater Well Installation and Sampling Methodology

The groundwater monitoring wells, installed by the project geotechnical consultant, Alliance Geotechnical Pty Ltd (Alliance), were constructed from 50mm unplasticised polyvinyl chloride (uPVC) screen and casing, with appropriate gravel packs, bentonite seals, and lockable caps to complete the wells. The wells were then completed with steel gatic covers for trafficable environments. Well installation logs are provided in **Appendix B.**

Newly installed and existing groundwater monitoring wells were developed several days prior to sampling using Waterra's Inertial Footvalves and high-density polyethylene (HDPE) tubing. This process ensured adequate hydraulic connection to the aquifer and removed sediment disturbed during well installation or accumulated due to the time elapsed since the last sampling event. During development, the wells were rapidly purged and then allowed to recharge.

All monitoring wells were sampled using the following procedure:

- Prior to sampling, groundwater levels were measured using an interface probe to determine SWLs and assess the potential presence of non-aqueous phase liquids (NAPL).
- Low-flow sampling was performed using a bladder pump with new, disposable HDPE tubing for each well. The tubing was lowered to approximately two-thirds the length of the saturated screen prior to purging.
- Purging was conducted at a rate generally between 0.05 and 1 L/min, while maintaining drawdown below 300 mm, as monitored by the interface probe.
- Field parameters (**Appendix E**), including pH, conductivity, redox potential, dissolved oxygen, total dissolved solids (TDS), and temperature, were measured regularly using a multi-parameter probe and flow cell, depending on the purging rate.
- Observations of discolouration, staining, odours, or other signs of contamination were recorded during development, purging, and sampling (**Appendix E**).
- Groundwater samples were collected once three consecutive measurements of field parameters stabilised within the following criteria: pH ± 0.5; dissolved oxygen ± 10% or 0.1 mg/L; electrical conductivity ± 3%; and redox potential ± 10 mV, in accordance with the Victorian EPA (2000[19]) Groundwater Sampling Guidelines.
- Collected groundwater samples were immediately transferred to laboratory-supplied containers of appropriate composition, pre-treated for the required analysis. A new pair of nitrile gloves was worn for each sample to prevent cross-contamination. Samples were collected to eliminate headspace in containers and were field filtered prior to preservation, where required.

[19] *Groundwater Sampling Guidelines, Publication 669, April 2000*, Environmental Protection Authority, State Government of Victoria (VIC EPA 2000)

- Sample containers were labelled with the project ID, date, sampler's initials, and the unique monitoring well ID (or QC sample identifier).
- All containers were placed directly into a pre-chilled ice chest for transport to the laboratory.
- Chain-of-custody documentation was completed and submitted with each sample batch delivered to the laboratory.

Upon completion of sampling at each location, single-use sampling equipment was properly disposed of. Reusable equipment that had potential contact with groundwater, including the interface probe, was decontaminated in accordance with the general procedures outlined in **Section 4.8.1.3**. Rinsate samples were collected per equipment batch to verify the effectiveness of the decontamination procedures.

4.9 Laboratory Analysis

JBS&G engaged Eurofins Environment Testing (Eurofins) as the primary laboratory to undertake the required analyses. Envirolab Services Pty Ltd (Envirolab) was contracted to analyse triplicate samples. At the time of testing, both Eurofins and Envirolab were NATA-accredited for the relevant analytical methods. In addition to meeting NATA requirements, all laboratory data were reviewed against JBS&G's internal QA/QC standards. A summary of the laboratory analyses conducted is provided in **Table 4.2**.

Table 4.2 Sampling and Analysis Program

Sample Type	No. Sample Locations	Analyses (exc. QA/QC)
Soil	18	Heavy metals - 35 samples PAH - 35 samples TRH/BTEX - 25 samples VOCs - 8 samples Asbestos (500 mL per NEPM) - 25 samples OCPs/PCBs - 15 samples SPOCAS - 20 samples SCr – 10 Samples TCLP (8 metals and PAHs) - 6 samples ASLP (8 metals and PAHs) - 10 samples PFAS (trace) - 20 samples pH, CEC, % clay - 4 samples Fraction Organic Carbon - 8 samples
Groundwater	10 (3 existing and 7 new)	Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) - 10 samples PAH (low levels) - 10 samples TRH/VOCs - 10 samples PFAS 30 compound (ultra trace) - 10 samples pH/EC/Hardness - 10 samples

5. Quality Assurance and Quality Control

A review of the field documentation indicates appropriate quality assurance (QA) and quality control (QC) measures were implemented to support a validation assessment.

The NATA-certified laboratory results are included in **Appendix F,** indicating that the project laboratories were generally achieving levels of performance within their recommended control limits during the period when the samples for this project were analysed. The duplicate and triplicate samples were compared to the primary sample were in agreement.

Based on the results of the field and laboratory QA/QC program, the soil and groundwater data are of an acceptable quality in order to achieve the objectives of the assessment.

A detailed QA/QC evaluation for the DGI works is provided in **Appendix G**

6. Guidelines

6.1 Regulatory and Technical Guidelines

The investigation was conducted with reference to the relevant aspects of the following regulatory and technical guidelines:

- *National Environment Protection (Assessment of Site Contamination) Measure 2013 (as amended).* National Environment Protection Council (NEPC 2013);
- *Contaminated Land Guidelines: Sampling Design – Part 1: Application*. NSW EPA, August 2022 (EPA 2022);
- *Consultants Reporting on Contaminated Land – Contaminated Land Guidelines*. NSW EPA, 2020 (EPA 2020);
- *Contaminated Sites: Guidelines for the NSW Site Auditor Scheme, 3rd Edition*. NSW EPA, 2017 (EPA 2017);
- *Technical Report No*. 39, *Risk-based management and remediation guidance for benzo(a)pyrene,* Cooperative Research Centre for Contamination Assessment and Remediation of the Environment, January 2017 (CRC CARE 2017);
- *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia*. WA Department of Health, May 2009 (DoH 2009);
- *Contaminated Sites: Guidelines for the Assessment and Management of Groundwater Contamination*. NSW Department of Environment and Conservation, March 2007 (DEC 2007);
- *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*. Australian and New Zealand Governments, August 2018 (ANZG 2018);
- *PFAS National Environmental Management Plan 3.0*. Heads of EPAs Australia and New Zealand, March 2025 (PFAS NEMP 2025);
- *Acid Sulfate Soil Manual.* NSW Acid Sulfate Soil Management Advisory Committee, August 1998 (ASSMAC 1998);
- *National Acid Sulfate Soils Guidance*. Australian Government Department of Agriculture and Water Resources, June 2018 (DAWR 2018); and
- *Waste Classification Guidelines Part 1: Classifying Waste*. NSW EPA, 2014 (EPA 2014).

6.2 Assessment Criteria

6.2.1 Soil Criteria

With consideration of the preliminary nature of the design plan, the site assessment criteria adopted for this assessment are summarised as follows:

- NEPC (2013): HILs for residential with minimal opportunity for soil access (HIL B).
- NEPC (2013): HILs for Public Open Space (HIL C).
- NEPC (2013): HSLs for petroleum hydrocarbons considering the potential for vapour intrusion, coarse-grained soil for low-high density residential (HSL A & B) and public open space (HSL C) land use at 0.0-1.0 m depth.
- NEPC (2013): EILs, generic and site-specific (**Table 6.1**), derived through the added contaminant limits for urban residential/public open spaces;

- NEPC (2013): ESLs for TRH fractions, BTEX and benzo(a)pyrene in coarse-grained soil for urban residential/public open spaces.
- NEPC (2013): Management Limits for TRH, coarse-grained soils for urban residential/public open spaces.
- PFAS National Environmental Management Plan Human Health Screening Values for residential areas with minimal soil access and public open space.

ASSMAC (1998) for the assessment of potential PASS. ESLs applicable to coarse soils presented in NEPC (2013) were used as screening criteria for organic contaminants. CRC CARE (2017) provides alternative ESLs for benzo(a)pyrene (B(a)P) to those provided in NEPC (2013). The alternative ESLs are based on higher reliability, species sensitivity distribution data than was used to calculate the ESLs provided in NEPC (2013). CRC CARE (2017) provides an alternative ESL for B(a)P for urban residential and public open space use of 33 mg/kg. It is noted that upon review of CRC CARE (2017) by NSW Office of Environment and Heritage, Environment Protection Science Branch, adjusted ESLs were derived providing a value of 28 mg/kg for B(a)P, which has been adopted for this assessment.

Where there are no NSW EPA-endorsed thresholds, the laboratory LOR has been adopted as an initial screening value for the purposes of this assessment.

Where a valid statistical data set could be generated, based on the assessment of the soils within the site (i.e., samples collected on a systematic (e.g. grid or random pattern) and based on the potential exposure scenarios, the following statistical criteria were applied:

Either:

- all contaminant concentrations were less than the adopted site assessment criteria,

Or:

- The 95 % upper confidence limit (UCL) average concentrations were below the soil criteria;
- The standard deviation of the generated data set was below 50 % of the soil criteria, and
- The maximum concentration was below 250 % of the soil criteria.

Existing data for chemical constituents (not asbestos) from materials remaining at the site was also included in analytical data sets created for the soils.

JBS&G further note that statistical analysis was not undertaken as part of this assessment, given the preliminary nature of the design plans and staging. Notwithstanding, following confirmation of the design and staging, statistical analysis of the dataset (as a whole) may be appropriate to further refine remediation extents during the preparation of stage-specific RWPs. Similarly, application of a more sensitive land-use criteria (i.e. HIL-A) will be required during the preparation of stage-specific RWPs where the development scenario results in alternative land use scenarios (i.e. development of a potential education facility and/or childcare facilities).

Table 6.1 Site-specific EILs

Physical Parameters			
Sample	CEC (meq/100g)	pH (pH units)	% Clay
JBH03_1.9-2.0	1.3	8.1	<2.5
JBH06_0.2-0.3	16	8.6	5
JBH15_0-0.1	13	9.5	<2.5
JBH32_2.9-3.0	2.2	5.5	12

Investigation Levels	
Contaminant	EIL (Urban Residential and open public spaces)
Chromium (III)	410
Copper	180
Nickel	110
Zinc	460

6.2.1.1 Soil Aesthetic Criteria

In addition to numerical criteria for chemical and asbestos contaminants, the validation process also considered the aesthetic characteristics of materials in areas where accessible soils will be present upon project completion. This evaluation included assessing soils for odours or discolouration indicative of contamination, as well as the presence of significant non-soil inclusions, such as construction and demolition waste.

6.2.1.2 TCLP and ASLP

Soil analytical data were compared to the thresholds outlined in the NSW EPA (2014) *Waste Classification Guidelines* for the characterisation of soil intended for off-site disposal. ASLP data were assessed against the groundwater criteria below to provide a preliminary evaluation of potential contaminant leaching from fill materials.

6.2.2 Groundwater Criteria

According to DEC (2007) *Guidelines for the Assessment and Management of Groundwater Contamination*, GILs must be established based on the protection of relevant environmental values. As defined in ANZG (2018), environmental values are uses or qualities of the environment essential for ecosystem health or public benefit, requiring protection from contamination.

NEPC (2013) identifies six key environmental values to consider in groundwater assessments:

- Aquatic ecosystems
- Aquaculture and human food consumption
- Agricultural water use
- Recreation and aesthetics
- Drinking water supply
- Industrial water use

GILs must be selected based on current and reasonably foreseeable future uses of groundwater at relevant receptor points. DEC (2007) further requires identification of all applicable environmental values to ensure appropriate GIL development, with NSW Government (2006) *Environmental Objectives for Water Quality and River Flow* cited as a suitable reference.

As outlined in **Section 2**, the site is located within Area 2 of the Botany Aquifer, with the receiving water body, Alexandra Canal, characterised as brackish. Accordingly, marine water quality criteria were adopted. Based on the site context, both current and historical analytical results were assessed against the following groundwater criteria:

- ANZG (2018) Marine Ecosystem trigger values for 95% species protection.
- NHMRC (2021) thresholds for Primary Contact Recreation (PCR) being 10 times drinking water values.
- NEPC (2013) vapour intrusion health screening levels for high-density residential land use.
- HEPA (2025) PFAS NEMP 3.0 Tier 1 screening values for marine water, based on 95% and 99% species protection levels.

7. Results

The following sections summarise key findings and current and historical analytical data against the adopted criteria presented in **Section 6**.

7.1 Soil Observations

The following lithological and geological conditions were encountered during the investigation:

- Subsurface lithology/geology included:
  - Asphalt (Gravelly Silty Sand/ Sandy Gravel) observed between 0 and 0.2 m bgs;
  - Sandy Gravel/ Gravelly Sand Fill observed between 0.2 and 0.3 m bgs, with inclusions of asphalt, sandstone, shale, bitumen;
  - Sandy Silt/ Silt/Silty Sand Fill observed between 0 and 0.9 m bgs, with inclusions of shale, charcoal, sandstone, rootlets, glass, concrete pipe, plastic;
  - Gravelly Sandy Clay/ Sandy Clay Fill observed between 0.4 and 0.5 m bgs, with inclusions of sandstone gravels
  - Sand Fill observed between 0.4 and 1.4 m bgs, with inclusions of bitumen, shale, concrete, sandstone, tiles, plastic, quartz, charcoal, glass
  - Silty Sand observed between 0.2 and 2.0 m bgs, with inclusions of asphalt;
  - Sand observed between 0.2 and 8.5 m bgs, with inclusions of shale and charcoal;
  - Clayey sand observed between 0.7 and 5.9 m bgs
  - Sandy Clay observed between 5.9 and 9.0 m bgs, with inclusions of ironstone.
- Groundwater seepage was not identified during intrusive works undertaken by JBS&G.
- Soil physical properties did not exhibit PASS properties.

No odours, asbestos, or ACM were observed. Minor black staining was observed at JBH25 (0.7–0.8 m bgs) was. Fill material at JBH02, JBH03, JBH05, JBH06, JBH09, JBH14, JBH20, and JBH32 contained B&D rubble, including brick, tile, glass, asphalt, concrete, plastic, and charcoal. PID field screening returned low readings, ranging from 1 to 8 parts per million (ppm) in fill and 1 to 18 ppm in natural soils, as shown on field logs (**Appendix B**).

7.2 Soil Analytical Results

The following sections provide a summary of analytical results (current and historical). Exceedances of criteria presented in **Section 6** are shown in the accompanying analytical **Summary Tables** and on **Figures 4A** and **4BC**. This is considered appropriate to identify contaminants and areas requiring further consideration in relation to the development of a O-RAP.

Similarly, as noted in **Section 6.2.1**, following finalisation of the design and staging plans, statistical analysis of the dataset (as a whole) may be appropriate to further refine the remedial extents during the preparation of stage-specific RWPs.

Laboratory certificates of analysis are included in **Appendix F**.

7.2.1 Heavy Metals

All heavy metal concentrations were below the adopted criteria with the exception of those shown in **Table 7.1.**

Table 7.1 Summary of Metal Exceedances of Adopted Site Criteria in Soil (mg/kg)

Sample ID	Lithological Description	Cadmium	Chromium (total)	Copper	Lead	Nickel	Zinc
NEPC 2013 EIL, Generic + Site Specific		-	*410*	*180*	*1,100*	*140*	*460*
NEPM 2013 Soil HIL B		*150*	*500*	*30,000*	*1,200*	*1,200*	*60,000*
NEPM 2013 Soil HIL C		*90*	*300*	*17,00*	*600*	*1,200*	*30,000*
JBH07_0-0.1	Fill - Gravelly Silty Sand	-	-	-	-	170	-
JBH20_0.4-0.5	Fill - Sandy Silt	-	-	-	620	610	-
JBH20_1.4-1.5	Fill - Sandy Silt	-	-	-	-	-	490
JBH25_0.2-0.3	Fill - Gravelly Sand	300	-	2,000	1,000	1,200	2,900
JBH26_0.2-0.3	Fill - Sandy Clay	-	-	-	1,000	-	1,200
JBH32_0.2-0.3	Fill - Silty Sand	-	-	-	640	-	-
20250320QA_02	Fill - Silty Sand	-	-	-	910	-	-
20250320QC_02	Fill - Silty Sand	-	-	-	980	-	-
BH2_0.4 - 0.5	Fill - Silty Sand	-	-	-	-	-	520
BH13_0.4 - 0.5	Fill - Sand		-		690		770
BH13_QC_0.4 - 0.5 (Duplicate of BH13_QC_0.4-0.5)	Fill – Sand	-	-	-	1,200	-	890
BH15_0 - 0.15	Fill – Sand	-	-	-	-	-	520
BH16_0.4 - 0.5	Fill – Sand	-	-	-	-	-	1,100
BH20_0.4 - 0.5	Fill - Sand	-	-	-	750	-	-
BH23_0 - 0.15	Fill – Sand	-	-	-	830	-	560
BH26_0 - 0.15	Fill – Sand	-	-	-	690	-	-
BH28_0.4 - 0.5	Fill – Sand	-	-	-	1,100	-	1,200

Sample ID	Lithological Description	Cadmium	Chromium (total)	Copper	Lead	Nickel	Zinc
BH30_0 - 0.15	Fill – Sand	-	-	-	1,300	-	-
BH30_0.3 - 0.4	Fill – Sand	-	-	-	1,100	-	-
BH39_0 - 0.15	Fill – Sand	-	-	-	610	-	-
BH39_0.4 - 0.5	Fill – Sand	-	-	-	-	-	910
BH41_0 - 0.15	Fill – Sand	-	-	-	790	-	-
BH42_0.4 - 0.5	Fill - Sand	-	470	-		-	-
BD3/20220929_0 (Duplicate of BH46_0-0.15)	Fill – Silty Sand	-	-	-	790	-	-
BH46_0.4 - 0.5	Fill - Sand	-	-	-	650	-	-

7.2.2 TRH/BTEX

All TRH/BTEX concentrations were below the adopted criteria with the exception of those shown in **Table 7.2**.

Table 7.2 Summary of TRH Exceedances of Adopted Site Criteria in Soil (mg/kg)

Sample ID	Lithological Description	C16-C34
NEPM 2013 ESLs for Urban Res, Coarse Soil		*300*
JBH07_0.9-1.0	Natural - Sand	370
JBH09_0.9-1.0	Fill - Sand	740
JBH20_0.4-0.5	Fill - Sandy Silt	400
JBH25_0.9-1.0	Fill - Sand	420

7.2.3 PAH

All PAH concentrations were below the adopted criteria with the exception of those shown in **Table 7.3.**

Table 7.3 Summary of PAH Exceedances of Adopted Site Criteria in Soil (mg/kg)

Sample ID	Lithological Description	B(a)P	B(a)P TEQ (LOR)
NEPM 2013 Soil HIL B		-	*3*
NEPM 2013 Soil HIL C		-	*4*
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space		*20*	-
JBH03_0.2-0.3	Fill - Silty Sand	-	3.5
JBH04_0-0.1	Fill - Silty Sand	-	3.1
JBH04_0.2-0.3	Fill - Silty Sand	-	5.7
JBH05_0-0.1	Fill - Silty Sand	-	6
JBH05_0.2-0.3	Fill - Silty Sand	-	3.9

Sample ID	Lithological Description	B(a)P	B(a)P TEQ (LOR)
JBH05_0.9-1.0	Fill - Sand	-	3.8
JBH06_0.4-0.5	Fill - Silty Sand	-	19
JBH09_0.4-0.5	Fill - Silty Sand	-	18
JBH25_0.1-0.2	Fill - Sandy Gravel	-	5.3
BH14_0 - 0.15	Fill – Sand	-	4.9
BD06_0 (Duplicate of BH14_0 - 0.15)	Fill - Sand	-	4.5
BH35_0.4 - 0.5	Fill - Sand	-	6.5
BH44_0.4 - 0.5	Fill – Sand	-	8
BH46_0 - 0.15	Fill – Silty Sand	-	3.9
BD3/20220929_0 (Duplicate of BH46_0-0.15)	Fill – Silty Sand	34	49
BH46_0.4 - 0.5	Fill - Sand	-	7.9

7.2.4 OCP/OPP/PCB

All OCP, OPP, and PCB concentrations were below the adopted criteria and the laboratory LOR.

7.2.5 VOC

All VOC concentrations were below the adopted criteria and the laboratory LOR.

7.2.6 PFAS

All PFAS concentrations were below the adopted criteria and the laboratory LOR.

7.2.7 Asbestos

All asbestos concentrations were below the adopted criteria with the exception of those shown in **Table 7.4**

Table 7.4 Summary of Asbestos Exceedances of Adopted Site Criteria in Soil (% w/w)

Sample ID	Lithological Description	Asbestos from ACM in Soil	Asbestos FA & AF in Soil
NEPM 2013 Soil HIL B		*0.04*	*0.001*
NEPM 2013 Soil HIL C		*0.02*	*0.001*
Presence/Absence		*> 0*	*> 0*
JBH03_0-0.1	Fill - Silty Sand	0	0.0191
20250318QA-01 (Triplicate of JBH20_0.4-0.5)	Fill - Sandy Silt	0	0.0022
JBH32_0.2-0.3	Fill - Silty Sand	0.0542	0.0007
20250320QA_02 (Triplicate of JBH32_0.2-0.3)	Fill - Silty Sand	0	0.0002
20250320QC_02 (Duplicate of JBH32_0.2-0.3)	Fill - Silty Sand	0	0.0051
BH13/PACM (0–0.9)	Fill - Sand	Present	-
BH28_0.4 - 0.5	Fill - Sand	Present	-
BH30_0 - 0.15	Fill - Sand	Present	-

7.2.8 TCLP

An assessment of TCLP for a heavy metals and PAHs was completed for select soils.

All results were reported below the EPA (2014) TCLP1 criterion for classification as GSW, with the exception of Cadmium and Nickel in JBH25_0.2-0.3 which reported concentrations of 2.8 mg/L and 4.7 mg/L, respectively.

7.2.9 ASLP

To assess the potential for contaminant leaching from fill materials, ASLP analysis was conducted on selected soil samples. The results indicated low to moderate leachability, as presented in the **Summary Tables**.

7.2.10 Acid Sulafte Soils

Field screening for PASS was conducted in accordance with ASMAC (1998), with results presented in **Summary Tables**. Based on screening outcomes, selected samples underwent SPOCAS analysis. Titratable Peroxide Acidity (TPA) ranged from below the LOR to 73 mol H^+/t, with 15 of 20 samples exceeding the 18 mol H^+/t action criterion. Titratable Sulfidic Acidity (TSA) was below LOR in all samples, and Peroxide Oxidisable Sulfur (SPOS) ranged from below LOR to 0.01%S—below the 0.03%S action criterion.

Although elevated TPA was observed, it may include non-RIS sources such as soluble/exchangeable sulfates and organic matter oxidation (DAWR, 2018). To confirm sulfur speciation, Chromium Reducible Sulfur (SCR) analysis was performed on select samples. Results indicate sulfur was predominantly organic, except for sample JBH32_1.4–1.5, which reported 0.007%S as RIS. While ASS management is not required due to the absence of guideline exceedances, structural and infrastructure design should account for naturally acidic subsurface conditions, in line with AS 2159 (Piling – Design and Installation).

7.2.11 Preliminary Waste Classification

Based on the data presented within the summary analytical tables, and with consideration to the Waste Classification Guidelines (NSW EPA 2014). JBS&G consider it likely that soil across the majority of the site could be pre-classified as General Solid Waste (GSW), as most lead impacted material is likely associated with former residential premises.

Notwithstanding, where asbestos has been observed or reported, these materials would likely be classified as Special Waste (Asbestos) mixed with GSW. JBS&G also consider that there is further potential for some materials to be classified as Restricted Solid Waste/Hazardous waste where isolated impacts may be observed (i.e. BD3/20220929_0 where a B(a)P concentration of 34 mg/kg was reported and no TCLP data is provided).

JBS&G further note that the above does not constitute a formal waste classification, and future waste classifications will be conducted in accordance with the requirements of NSW EPA made or endorsed guidelines, including NSW EPA waste classification guidelines (NSW EPA 2014), Sampling Design Guidelines (NSW EPA 2022) and with due consideration to the requirements of the overarching O-RAP and any subsequent Stage-specific RWPs to be prepared for the site.

7.3 Groundwater Observation

Groundwater parameters were measured to ensure stabilisation was achieved prior to sampling in accordance with the methodology outlined in **Section 4.8** from 10 wells across the site. The stabilised parameters and field observations obtained by JBS&G during this investigation are presented in **Table 7.5** below.

Table 7.5 Water Quality Parameter Summary Table

Well	Inferred Aquifer	Standing Water Level (m btoc[a])[b]	DO (mg/L)	Temp (*c)	pH	EC (uS/cm)	ORP (mv)
MW01	Deep	9.43	0.28	21.2	5.8	1068	53.4
MW02	Shallow	2.21	0.07	23.3	6.3	1067	-114.9
MW04	Shallow	2.42	0.34	22.4	4.5	198.8	110.8
MW105	Deep	15.34	0.51	22.5	6.0	253.1	9.4
MW108	Shallow	2.88	0.34	22.2	5.6	566.0	91.6
MW110	Deep	11.00	4.92	20.0	6.2	458.0	16.4
MW111	Deep	10.15	2.32	22.4	5.6	445.8	85.0
MW115	Deep	8.92	0.26	23.3	5.7	419.8	43.3
MW121	Shallow	5.31	0.28	19.6	5.7	299.5	23.0
MW124	Shallow	4.49	0.14	20.6	6.2	431.3	51.4

[a] Meters Below Top of Casing

[b] SWLs unable to be corrected to m AHD given absence of well survey data

Standing groundwater levels were measured between 2.21 to 5.31 m bgs (shallow) and 8.92 to 12.34 m bgs (deep), indicating two aquifers: a shallow aquifer in sand/perched over clay, and a deeper aquifer within bedrock (sandstone with shale lenses).

7.4 Groundwater Analytical Results

The following sections provide a summary of analytical results (current and historical). Exceedances of criteria presented in **Section 6** are shown in the accompanying analytical **Summary Tables** and on **Figure 5.** This is considered appropriate to identify contaminants requiring further consideration in relation to the development of a O-RAP.

Laboratory certificates of analysis are included in **Appendix F**.

7.4.1 Heavy Metals

Heavy metal analysis reported all results below the criteria, with the exception of:

- Copper, reported above the adopted ecological criteria of 0.0013 mg/L at six sample locations, with concentrations ranging from 0.001 mg/L (BH7/MW7) to 0.013 mg/L (BH4/MW4);
- Nickel, reported above the adopted ecological criteria of 0.07 mg/L at four sample locations, with concentrations ranging from 0.072 mg/L (MW02) to 0.077 mg/L (MW01); and
- Zinc, reported above the ecological criteria of 0.008 mg/L at 11 sample locations, with concentrations ranging from 0.017 mg/L (MW105) to 0.16 mg/L (BH4/MW4).

7.4.2 PAH

PAH analysis reported all results to be below the laboratory LOR and the adopted assessment criteria, with the exception of the following analytes reported above the LOR:

- Naphthalene in MW04, with a reported concentration of 0.0030 mg/L; and
- Naphthalene in MW11, with a reported concentration of 0.0010 mg/L 0.

7.4.3 TRH/BTEX

TRH/BTEX analysis reported all results to be below the adopted assessment criteria, with the exception of the following:

- TRH-F2 (C10-C16 less Naphthalene) in BH7/MW7 were reported above the adopted health criterion of 1 mg/L, with a reported concentration of 1.5 mg/L. Subsequent analysis following Silica Gel Clean-up of this sample reported concentrations of TRH (C10-C16) below the adopted criterion, thereby indicating the TRH elevations were not of petroleum origin;
- TRH (C16-C34) in BH7/MW7, with a reported concentration of 12 mg/L;
- TRH (C34-C40) in BH7/MW7, with a reported concentration of 0.19 mg/L;
- TRH-F1 (C6-C10 minus BTEX) in BH7/MW7, with a reported concentration of 0.049 mg/L;
- TRH (C6-C10) in QA10250407 (Triplicate of MW110), with a reported concentration of 0.017 mg/L;
- TRH (C16-C34) in BH2/MW2, with a reported concentration of 0.12 mg/L;
- TRH-F2 (C10-C16 less Naphthalene) in BH2/MW2, with a reported concentration of 0.057 mg/L;
- Toluene in BH2/MW2, with a reported concentration of 0.001 mg/L; and
- TRH-F2 (C10-C16 less Naphthalene) in BH12/MW12, with a reported concentration of 0.051 mg/L;

7.4.4 VOCs

VOC analysis reported all results to be below the laboratory LOR and the adopted assessment criteria, with the exception of the following analytes reported above the LOR:

- Chloroform was reported above the LOR with concentrations as follows:
  - MW110 – 0.008 mg/L (QA10250407– 0.008 mg/L, QC_10250407 – 0.008 mg/L);
  - MW111 – 0.007 mg/L;
  - MW121 – 0.015 mg/L;
  - MW124 – 0.013 mg/L;
  - BH4/MW4 – 0.001 mg/L; and
  - BH7/MW7 – 0.028 mg/L.
- Bromodichloromethane was reported above the LOR with concentrations as follows:
  - MW111 – 0.001 mg/L;
  - MW121 – 0.002 mg/L; and
  - MW124 – 0.002 mg/L.

7.4.5 PFAS

PFAS analysis reported all results below the criteria, with the exception of Perfluorooctanesulfonic acid (PFOS), reported above the 99% ecological criteria of 0.00023 mg/L at 15 sample locations, with concentrations ranging from 0.0003 mg/L (MW105) and 0.55 mg/L (MW04). Concentrations of PFOS in MW04 are also in exceedance the 95% ecological criteria of 0.13 mg/L.

In addition to the above, detectable concentrations (i.e. above LOR but below adopted criteria) of a number of PFAS compounds, including Perfluorooctanoic acid (PFOA) and Perfluorohexanesulfonic acid (PFHxS) were reported across the majority of samples submitted for laboratory analysis.

8. Discussion

The results of the data gap investigation are discussed in the following sections in relation to the identified decisions developed as part of the DQO process (**Section 4**).

1. Are the findings of this investigation consistent with the revised CSM in **Section 3**?;
    - If the findings of this investigation are generally consistent with the revised CSM (**Section 3**), while refining the understanding of spatial variability such that remedial planning and a C_RAP can be prepared, then the answer to the decision questions is **Yes**. Otherwise, the answer is **No**, and further characterisation activities will be required to meet the project objectives.

Soil samples were analysed for a comprehensive suite of contaminants of potential concern (COPCs), including heavy metals, total recoverable hydrocarbons (TRH)/benzene, toluene, ethylbenzene and xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), organochlorine and organophosphorus pesticides (OCPs/OPPs), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and asbestos. With consideration of the revised Conceptual Site Model (CSM) presented in Section 3 of this report, JBS&G considers this analytical scope appropriate to adequately characterise any COPCs that may be present due to historical land uses, site redevelopment activities, or hazardous building material inclusions.

The physical properties, foreign inclusions, and depths of the fill were generally consistent with those reported in previous investigations, and the CSM outlined in **Section 3**. Elevated concentrations of heavy metals, PAHs, and asbestos, both as bonded ACM and as FA/AF, were identified within the fill materials, exceeding the adopted ecological criteria and, to a lesser extent, the human health criteria (refer to **Figures 4A** and **4B**). These impacts were typically confined to the upper 0.2–0.5 m of fill and were frequently observed in association with B&D rubble within the fill profile. The contaminant concentration and distribution were generally consistent with those previously reported and the CSM. Natural material was free of impacts.

All other COPC were below the adopted criteria, the findings of the ASS/PASS assessment were consistent with previously investigations (natural were reported not to contain PASS properties) and the fill leachable characteristics were comparable with those previously reported.

On this basis, JBS&G consider that the known impacts within soil at the site are associated with historical redevelopment works (i.e. importation of fill materials and demolition of historical structures) rather than historic industrial activities.

The physical properties and depths to groundwater were generally consistent with those reported in previous investigations and with the CSM outlined in **Section 3**. Minor exceedances of the adopted groundwater assessment criteria for several heavy metals and PFAS, particularly PFOS, were identified. These results are generally consistent with historical data and are considered representative of the site setting and typical of urban background conditions. The occurrence of PFAS is considered to be due to regional influences rather than site-specific conditions (historical land uses), with site fill/soil free of impacts.

On this basis, the answer to the decision questions is **YES**.

2. Is the data collected to date of an appropriate quality and reliability such that an overarching O-RAP can be prepared to support the Phase 1 Master Plan?
    - If the data collected is considered to be of suitable quality and reliability, as demonstrated through compliance with DQOs and DQIs outlined in **Section 4.6**, then the answer to the decision questions is **Yes**. Otherwise, the answer is **No**, and further characterisation activities will be required to meet the project objectives

Based on the findings of the investigation undertaken by JBG&G, including an appraisal of the data usability and reliability of the previous investigation, and the results of the field and laboratory QA/QC program as part of this current assessment, the data collected is considered to be of suitable quality and reliability.

On this basis, the answer to the decision questions is **YES**.

9. Conclusions and Recommendations

Based on the findings of this DGI, and subsequent to the limitations in **Section 10**, the following is concluded/recommend:

- The findings of the soil and groundwater investigation undertaken by JBS&G are consistent with previous assessments, and the CSM presented **Section 3**;
- The data has been deemed of acceptable quality for site characterisation, planning requirements, and the development of a O-RAP for the Phase 1 Master Plan SSDA. Stage-specific RWPs are required to be prepared for Phase 2 works to address data gaps beneath existing site structures, including buildings and road reserves.

10. Limitations

This report has been prepared for use by the client who has commissioned the works, and JBS&G also extent reliance to the Department (i.e. government entities) in accordance with the project brief only, and has been based in part on information obtained from the client and other parties. The report has been prepared specifically for the client for the purposes of the commission, and no warranties, express or implied, are offered to any third parties and no liability will be accepted for use or interpretation of this report by any third party.

The advice herein relates only to this project, and all results, conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose. This report should not be amended in any way without prior approval by JBS&G, or reproduced other than in full including all attachments as originally provided to the client by JBS&G.

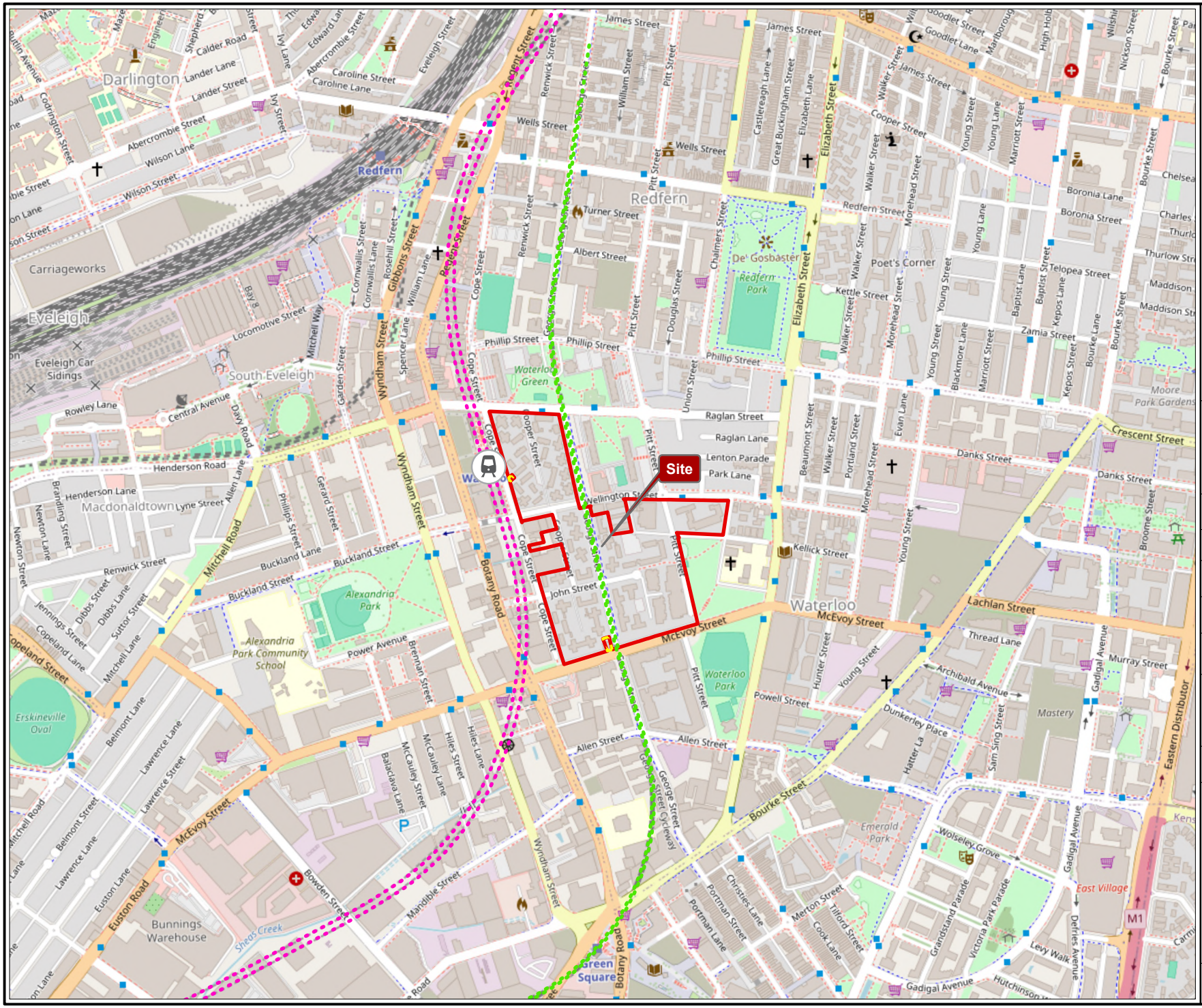
Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements or agreed scope of work.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

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

Figures



Legend

- Approximate Site Boundary
- Electrical Substation
- Railway Line
- Waterloo Metro Line
- Waterloo Metro Station

JBS&G

Job No: 68063	
Client: Stockland	
Version: R01 Rev A	Date 26/06/2025
Drawn By: TS	Checked By: DS

Scale 1:10,000

0 100 200

metres

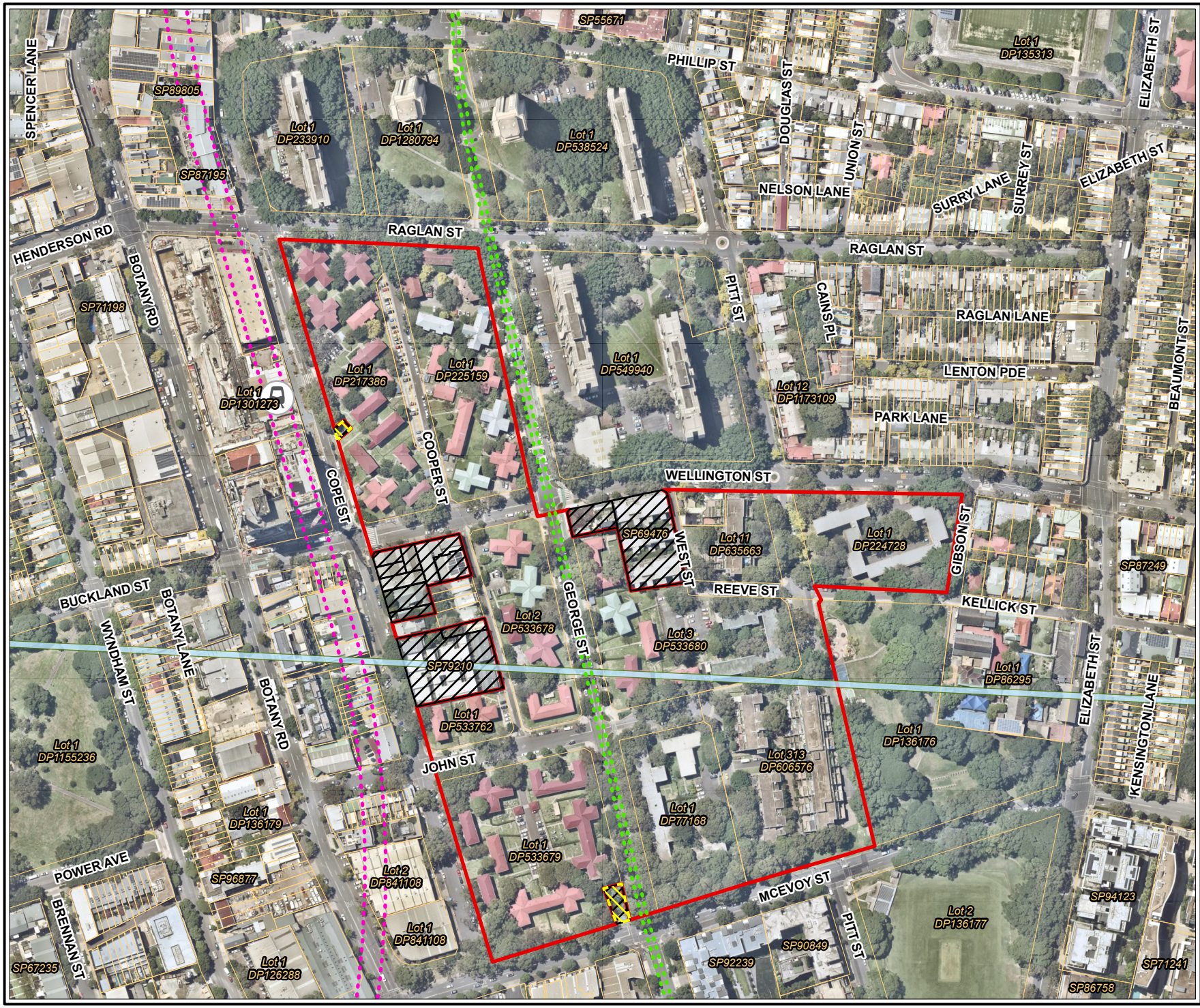
Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

SITE LOCATION

FIGURE 1

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: © OpenStreetMap (and) contributors, CC-BY-SA



Legend

- Approximate Site Boundary
- NSW Cadastre
- Electrical Substation
- Private Properties
- Potts Hill to Waterloo Pressure Tunnel and Shafts
- Railway Line
- Waterloo Metro Line
- Waterloo Metro Station

JBS&G

Job No: 68063

Client: Stockland

Version: R01 Rev A	Date 26/06/2025
Drawn By: TS	Checked By: DS

Scale 1:3,500

0 50 100

metres

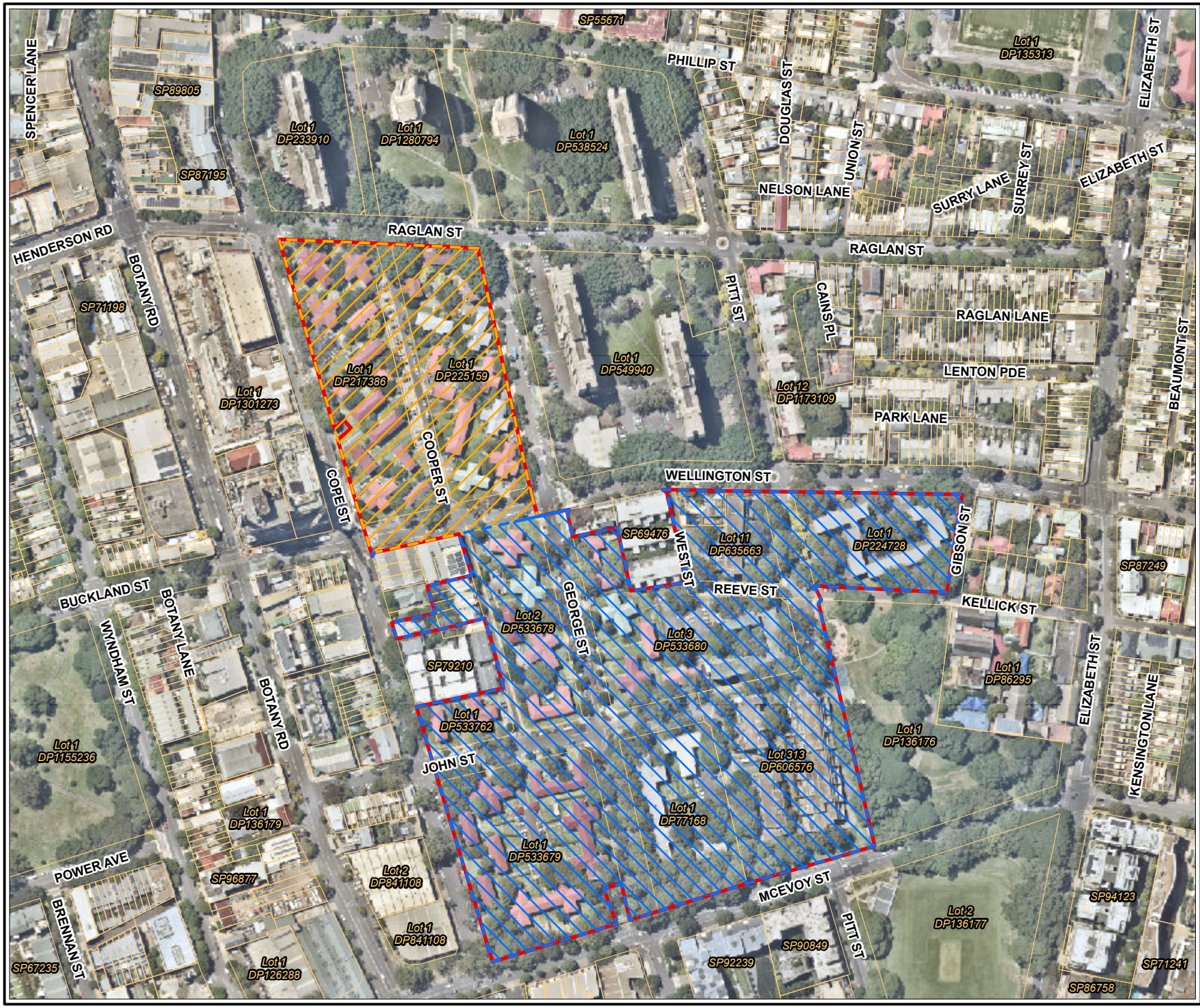
Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

CURRENT SITE LAYOUT

FIGURE 2A

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Public Open Space
- Residential Development

JBS&G

Job No: 68063	
Client: Stockland	
Version: R01 Rev A	Date 25/06/2025
Drawn By: TS	Checked By: DS
Scale 1:3,500	

0 50 100
metres

Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

INDICATIVE SITE LAYOUT

FIGURE 2B

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)

Legend

- Approximate Site Boundary
- Historical Commercial/Industrial Operations Within the Site

Historical Sample Locations

- Geotechnical / Environmental Borehole (with well), (DP, 2022)
- Geotechnical / Environmental Borehole, (DP, 2022)
- Environmental Borehole (Hand Auger), (DP, 2022)

Sampling Locations

- Geotechnical Borehole (with well), (Alliance, 2025)
- Borehole (JBS&G, 2025)

JBS&G

Job No: 68063	
Client: Stockland	
Version: R01 Rev A	Date 25/06/2025
Drawn By: TS	Checked By: DS
Scale 1:3,500	

0 50 100
metres

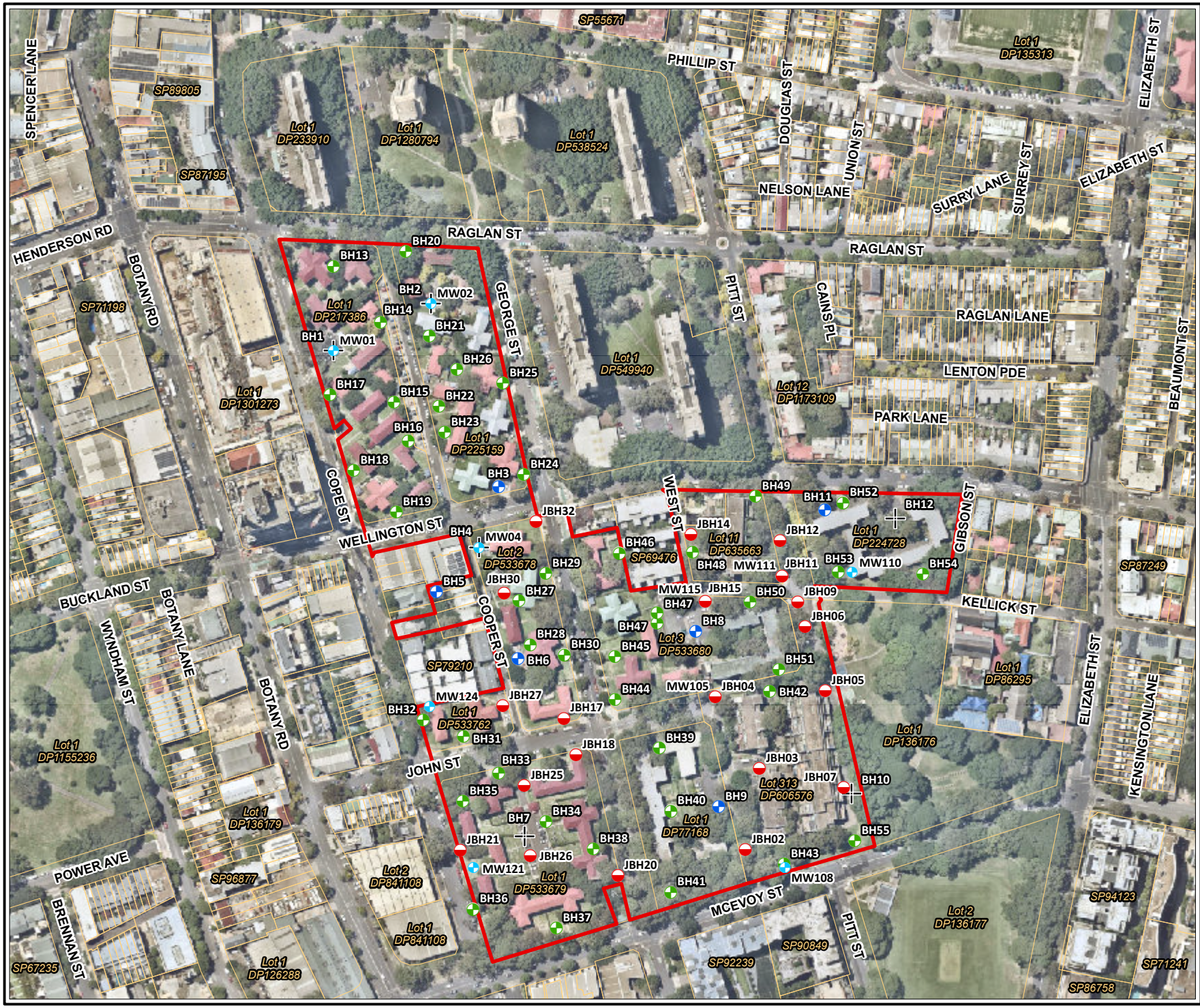
Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

HISTORIC SITE LAYOUT

FIGURE 2C

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: City of Sydney – Civic Survey, 1938-1950: Map 24 – Zetland, City of Sydney - City Engineer's Department, Town Planning Branch



Legend

- Approximate Site Boundary
- NSW Cadastre

Historical Sample Locations

- Geotechnical / Environmental Borehole (with well), (DP, 2022)
- Geotechnical / Environmental Borehole, (DP, 2022)
- Environmental Borehole (Hand Auger), (DP, 2022)
- Geotechnical Borehole (with well), (Alliance, 2025)
- Borehole (JBS&G, 2025)

JBS&G

Job No: 68063

Client: Stockland

Version: R01 Rev A	Date 25/06/2025
Drawn By: TS	Checked By: DS

Scale 1:3,500

0 50 100

metres

Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

HISTORICAL SAMPLES LOCATIONS

FIGURE 3A

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)

Legend

- Approximate Site Boundary
- NSW Cadastre

Historical Sample Locations

- Geotechnical / Environmental Borehole (with well), (DP, 2022)
- Geotechnical / Environmental Borehole, (DP, 2022)
- Environmental Borehole (Hand Auger), (DP, 2022)
- Geotechnical Borehole (with well), (Alliance, 2025)
- Borehole (JBS&G, 2025)

Soil Observations

- Asbestos/ACM
- B&D Waste

JBS&G

Job No: 68063	
Client: Stockland	
Version: R01 Rev A	Date 25/06/2025
Drawn By: TS	Checked By: DS

Scale 1:3,500

0 50 100

metres

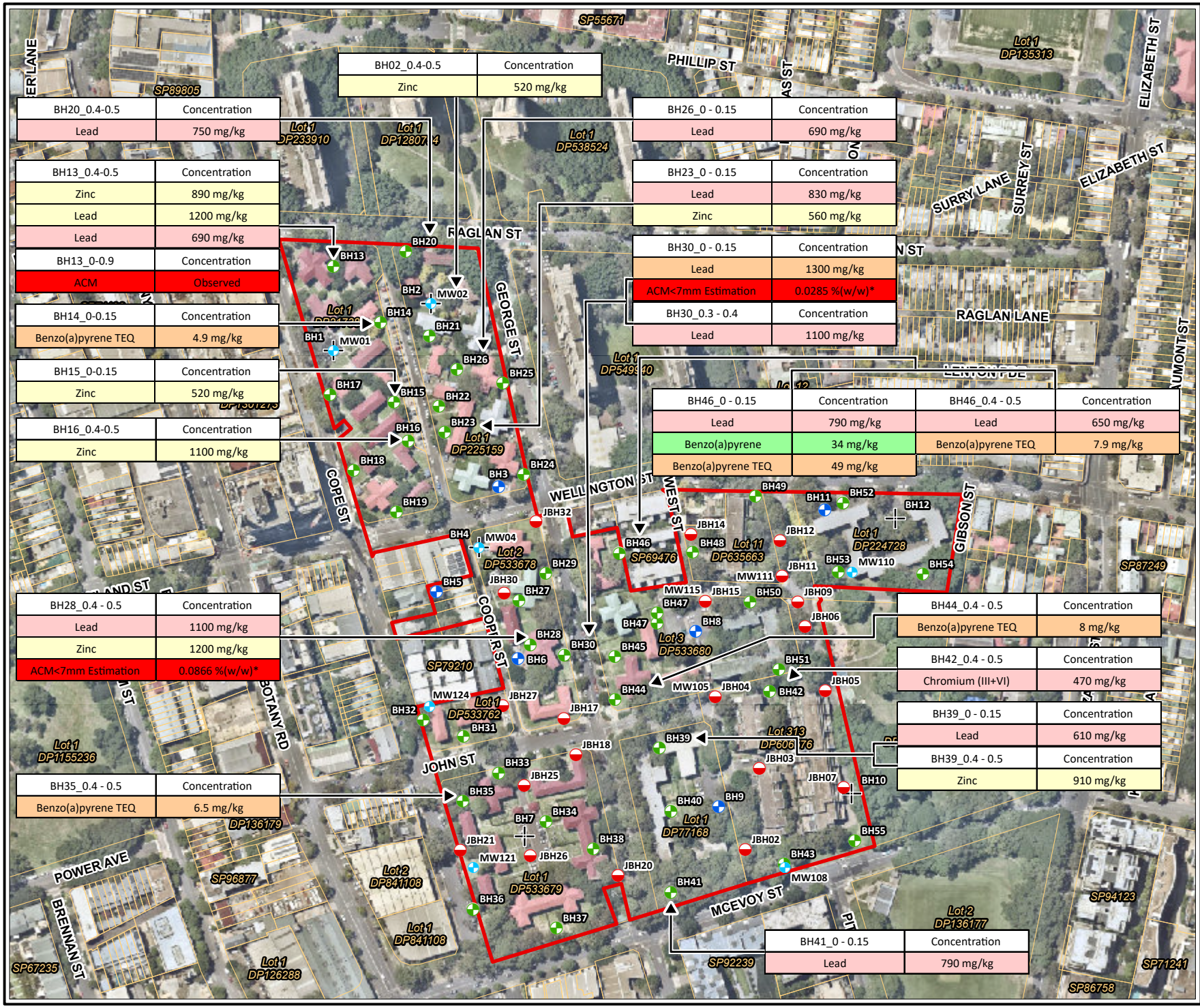
Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

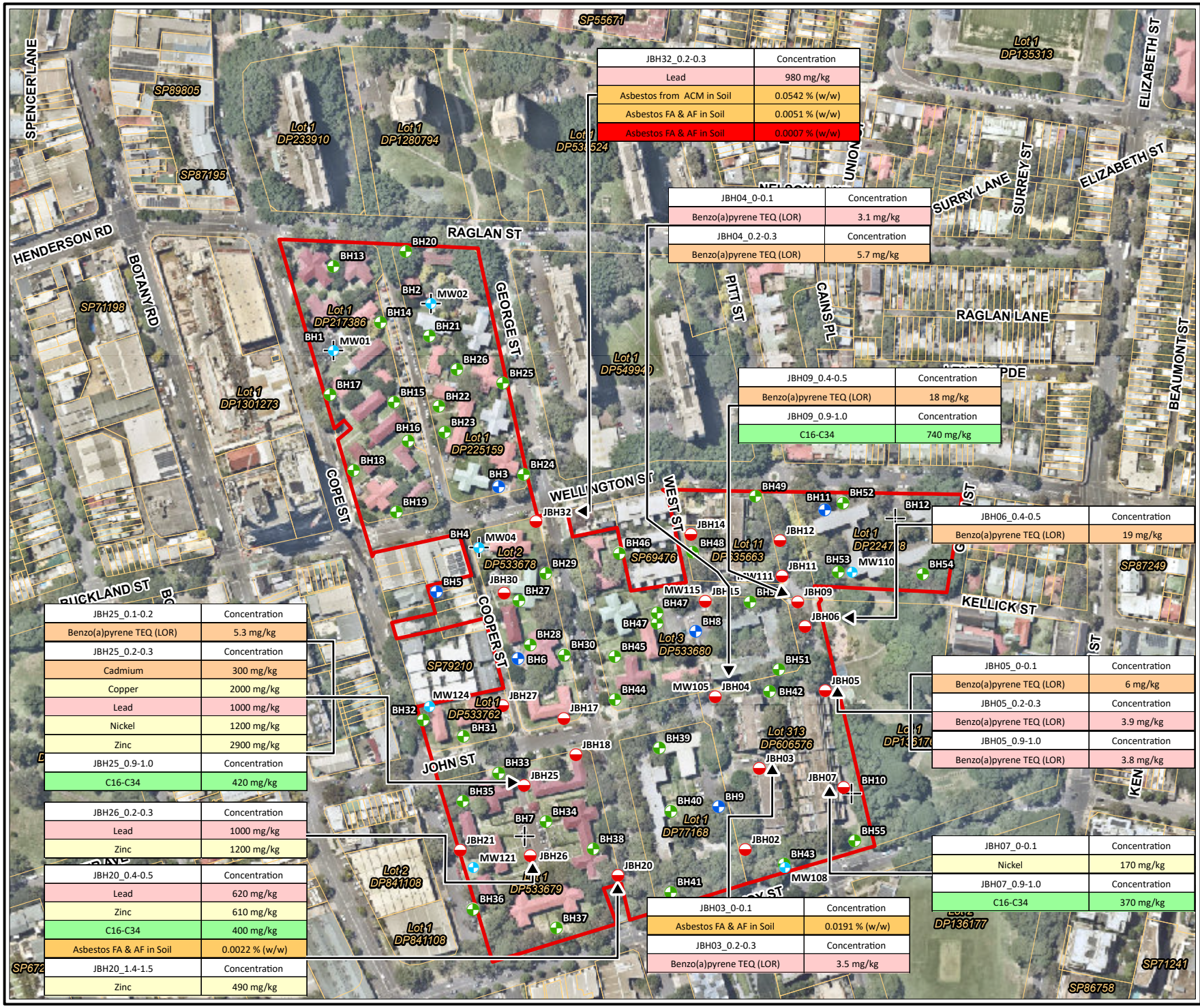
SOIL OBSERVATIONS

FIGURE 3B

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)



File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)



JBH32_0.2-0.3	Concentration
Lead	980 mg/kg
Asbestos from ACM in Soil	0.0542 % (w/w)
Asbestos FA & AF in Soil	0.0051 % (w/w)
Asbestos FA & AF in Soil	0.0007 % (w/w)

JBH04_0-0.1	Concentration
Benzo(a)pyrene TEQ (LOR)	3.1 mg/kg
JBH04_0.2-0.3	Concentration
Benzo(a)pyrene TEQ (LOR)	5.7 mg/kg

JBH09_0.4-0.5	Concentration
Benzo(a)pyrene TEQ (LOR)	18 mg/kg
JBH09_0.9-1.0	Concentration
C16-C34	740 mg/kg

JBH06_0.4-0.5	Concentration
Benzo(a)pyrene TEQ (LOR)	19 mg/kg

JBH25_0.1-0.2	Concentration
Benzo(a)pyrene TEQ (LOR)	5.3 mg/kg
JBH25_0.2-0.3	Concentration
Cadmium	300 mg/kg
Copper	2000 mg/kg
Lead	1000 mg/kg
Nickel	1200 mg/kg
Zinc	2900 mg/kg
JBH25_0.9-1.0	Concentration
C16-C34	420 mg/kg

JBH05_0-0.1	Concentration
Benzo(a)pyrene TEQ (LOR)	6 mg/kg
JBH05_0.2-0.3	Concentration
Benzo(a)pyrene TEQ (LOR)	3.9 mg/kg
JBH05_0.9-1.0	Concentration
Benzo(a)pyrene TEQ (LOR)	3.8 mg/kg

JBH26_0.2-0.3	Concentration
Lead	1000 mg/kg
Zinc	1200 mg/kg

JBH20_0.4-0.5	Concentration
Lead	620 mg/kg
Zinc	610 mg/kg
C16-C34	400 mg/kg
Asbestos FA & AF in Soil	0.0022 % (w/w)
JBH20_1.4-1.5	Concentration
Zinc	490 mg/kg

JBH07_0-0.1	Concentration
Nickel	170 mg/kg
JBH07_0.9-1.0	Concentration
C16-C34	370 mg/kg

JBH03_0-0.1	Concentration
Asbestos FA & AF in Soil	0.0191 % (w/w)
JBH03_0.2-0.3	Concentration
Benzo(a)pyrene TEQ (LOR)	3.5 mg/kg

Legend

- Approximate Site Boundary
- NSW Cadastre

Historical Sample Locations

- Geotechnical / Environmental Borehole (with well), (DP, 2022)
- Geotechnical / Environmental Borehole, (DP, 2022)
- Environmental Borehole (Hand Auger), (DP, 2022)
- Geotechnical Borehole (with well), (Alliance, 2025)
- Borehole (JBS&G, 2025)

Criteria	
	NEPM 2013 Table 1A(1) HILs Rec C Soil
	NEPM 2013 Table 1A(1) HILs Res B Soil
	Site Specific EIL - Urban Residential and Public Open Space
	NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil
	NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil
	Asbestos/ACM present

JBS&G

Job No: 68063

Client: Stockland

Version: R01 Rev A | Date 25/06/2025

Drawn By: TS | Checked By: DS

Scale 1:3,500

0 50 100

metres

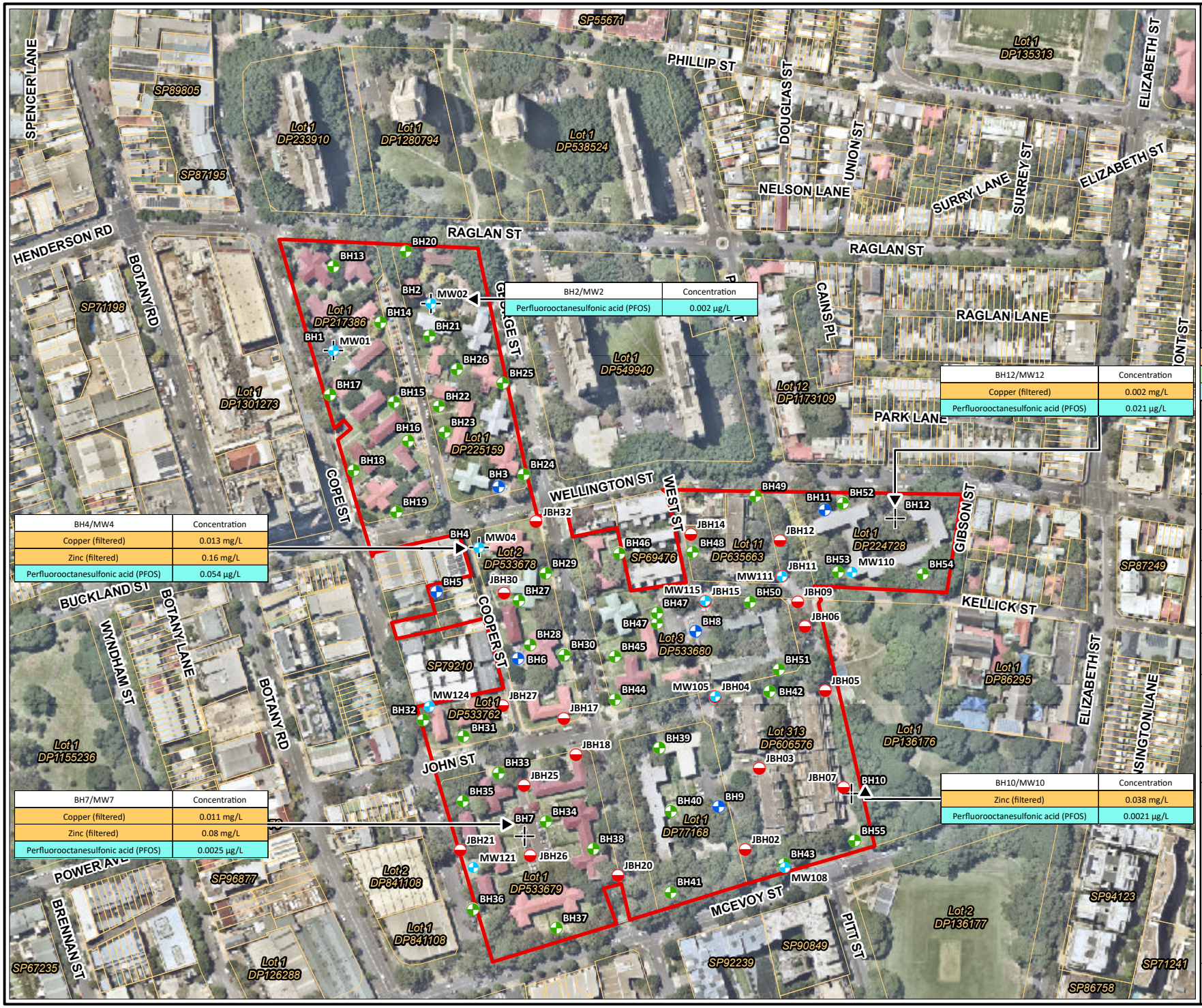
Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

HISTORICAL SOIL EXCEEDANCES

FIGURE 4B

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)



BH2/MW2	Concentration
Perfluorooctanesulfonic acid (PFOS)	0.002 µg/L

BH12/MW12	Concentration
Copper (filtered)	0.002 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.021 µg/L

BH4/MW4	Concentration
Copper (filtered)	0.013 mg/L
Zinc (filtered)	0.16 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.054 µg/L

BH7/MW7	Concentration
Copper (filtered)	0.011 mg/L
Zinc (filtered)	0.08 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.0025 µg/L

BH10/MW10	Concentration
Zinc (filtered)	0.038 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.0021 µg/L

Legend

- Approximate Site Boundary
- NSW Cadastre

Historical Sample Locations

- Geotechnical / Environmental Borehole (with well), (DP, 2022)
- Geotechnical / Environmental Borehole, (DP, 2022)
- Environmental Borehole (Hand Auger), (DP, 2022)
- Geotechnical Borehole (with well), (Alliance, 2025)
- Borehole (JBS&G, 2025)

Criteria	
	ANZG (2018) Marine water 95% toxicant DGVs
	PFAS NEMP 3.0 (2025) Interim marine 95% species protection
	PFAS NEMP 3.0 (2025) Interim marine 99% species protection

JBS&G

Job No: 68063

Client: Stockland

Version: R01 Rev A	Date 25/06/2025
Drawn By: TS	Checked By: DS

Scale 1:3,500

0 50 100

metres

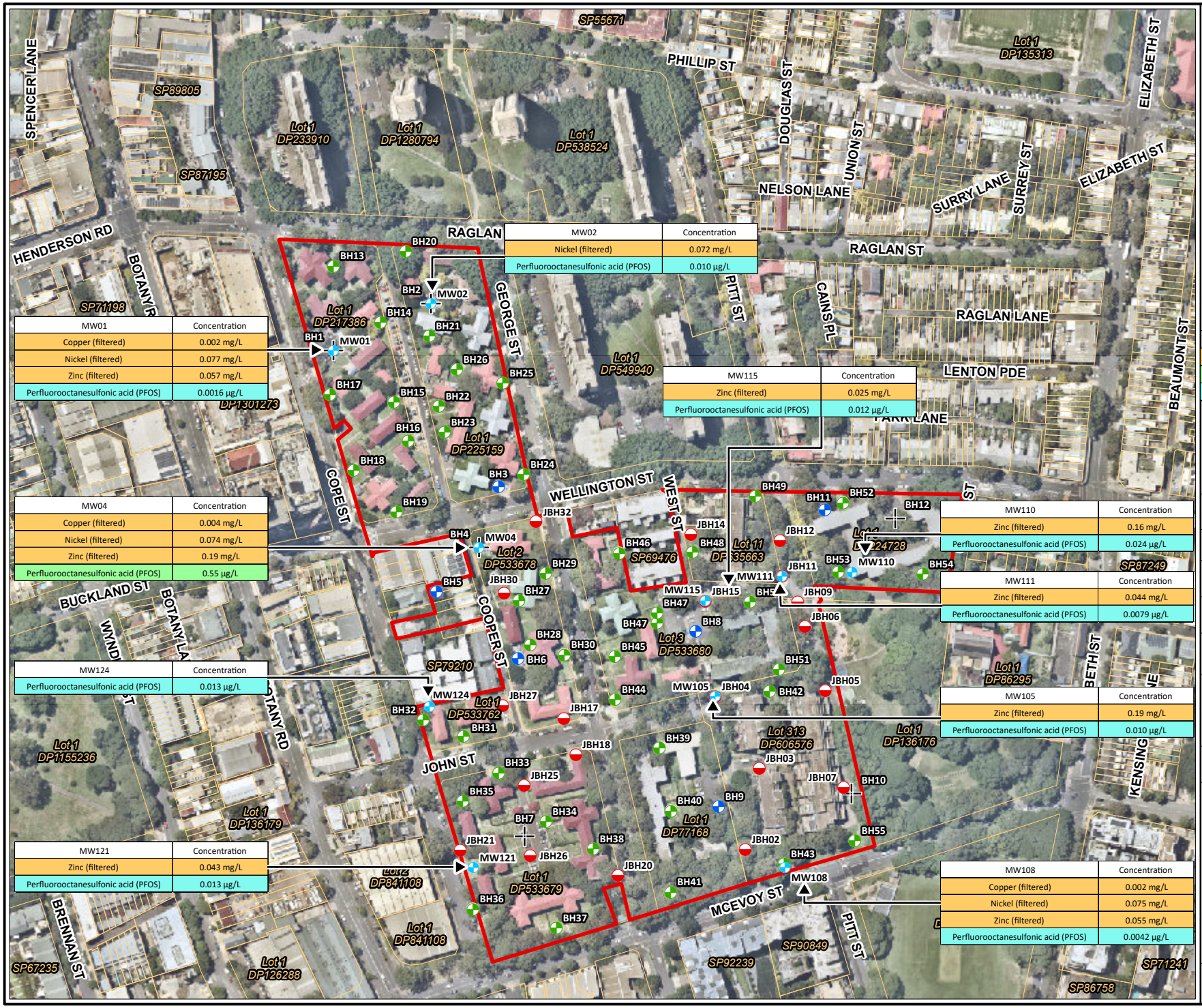
Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate, Waterloo, NSW

HISTORICAL GROUNDWATER EXCEEDANCES

FIGURE 5A

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)



MW02	Concentration
Nickel (filtered)	0.072 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.010 µg/L

MW01	Concentration
Copper (filtered)	0.002 mg/L
Nickel (filtered)	0.077 mg/L
Zinc (filtered)	0.057 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.0016 µg/L

MW115	Concentration
Zinc (filtered)	0.025 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.012 µg/L

MW04	Concentration
Copper (filtered)	0.004 mg/L
Nickel (filtered)	0.074 mg/L
Zinc (filtered)	0.19 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.55 µg/L

MW110	Concentration
Zinc (filtered)	0.16 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.024 µg/L

MW111	Concentration
Zinc (filtered)	0.044 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.0079 µg/L

MW124	Concentration
Perfluorooctanesulfonic acid (PFOS)	0.013 µg/L

MW105	Concentration
Zinc (filtered)	0.19 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.010 µg/L

MW121	Concentration
Zinc (filtered)	0.043 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.013 µg/L

MW108	Concentration
Copper (filtered)	0.002 mg/L
Nickel (filtered)	0.075 mg/L
Zinc (filtered)	0.055 mg/L
Perfluorooctanesulfonic acid (PFOS)	0.0042 µg/L

Legend

- Approximate Site Boundary
- NSW Cadastre

Historical Sample Locations

- Geotechnical / Environmental Borehole (with well), (DP, 2022)
- Geotechnical / Environmental Borehole, (DP, 2022)
- Environmental Borehole (Hand Auger), (DP, 2022)
- Geotechnical Borehole (with well), (Alliance, 2025)
- Borehole (JBS&G, 2025)

Criteria	
	ANZG (2018) Marine water 95% toxicant DGVs
	PFAS NEMP 3.0 (2025) Interim marine 95% species protection
	PFAS NEMP 3.0 (2025) Interim marine 99% species protection

JBS&G

Job No: 68063

Client: Stockland

Version: R01 Rev A | Date 25/06/2025

Drawn By: TS | Checked By: DS

Scale 1:3,500

0 50 100

metres

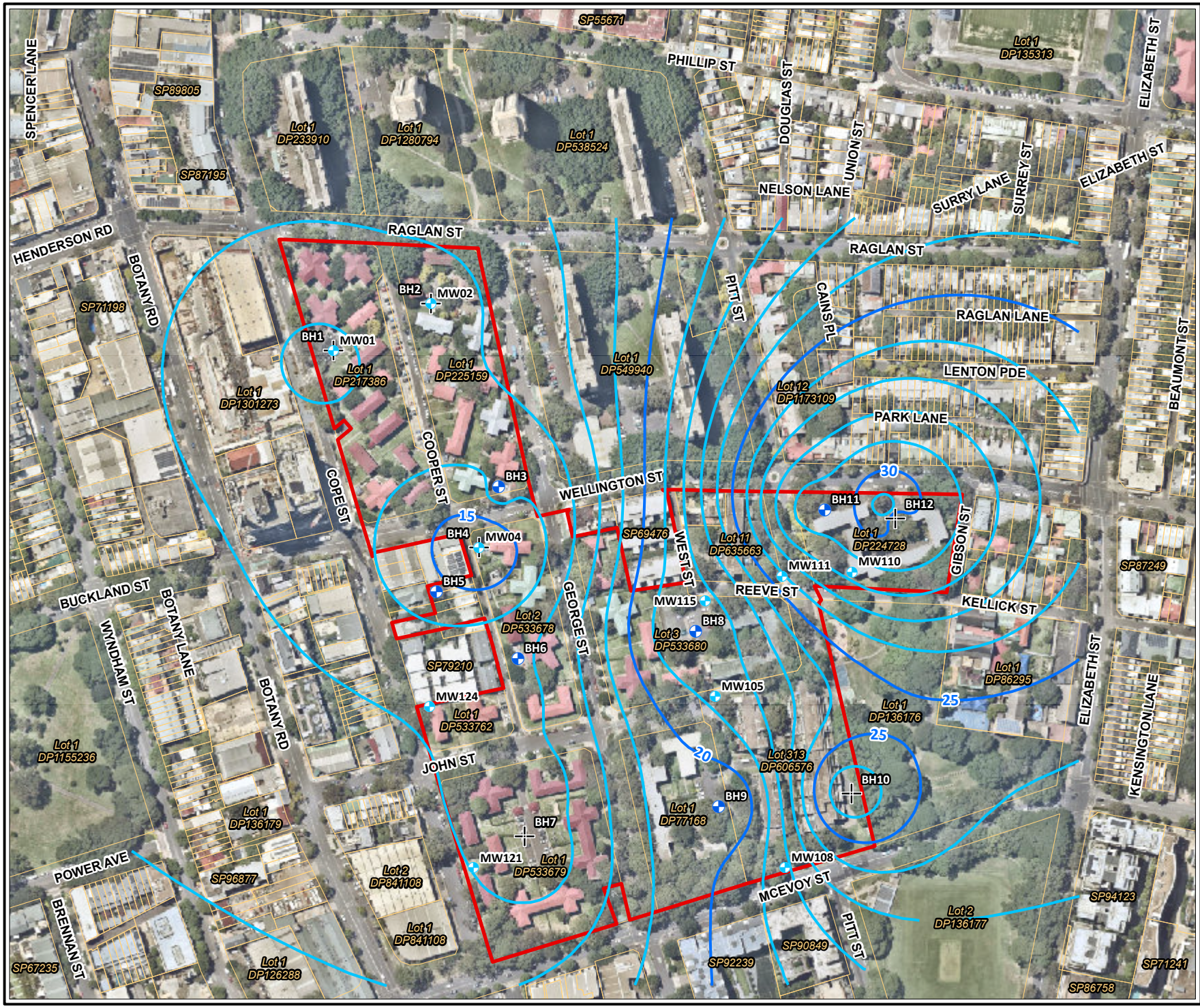
Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate, Waterloo, NSW

HISTORICAL GROUNDWATER EXCEEDANCES

FIGURE 5B

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Contours - 1m Intervals
- Contours - 5m Intervals

Sampling Locations

- Geotechnical Borehole (with well), (Alliance, 2025)

Historical Sample Locations

- Geotechnical / Environmental Borehole (with well), (DP, 2022)
- Geotechnical / Environmental Borehole, (DP, 2022)

JBS&G

Job No: 68063	
Client: Stockland	
Version: R01 Rev A	Date 25/06/2025
Drawn By: TS	Checked By: DS
Scale 1:3,500	

0 50 100
metres

Coord. Sys. GDA 1994 MGA Zone 56

Waterloo Estate,
Waterloo, NSW

GROUNDWATER CONTOURS

FIGURE 6

File Name: 68063_WaterlooEstateSouthCLM_R02RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/01/2025)
Report on Pre-Demolition Detailed Site Investigation (Contamination) Waterloo South, Waterloo Housing Estate, George Street, Waterloo. Prepared for NSW Land and Housing Corporation by Douglas Partners Pty Ltd ref. 215694.01 dated December 2022 (DP 2022b)

Analytical Summary Tables

TABLE A - Soil Analytical Summary Table

Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)						
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																				
NEPM 2013 Table 1A(1) HILs Rec C Soil	300	90	300	17,000	600	80	1,200	30,000												
NEPM 2013 Table 1A(1) HILs Res B Soil	500	150	500	30,000	1,200	120	1,200	60,000												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																			50 | 90 | 150 | 290	280
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space	100		410	180	1,100		110	460												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																300	2,800		180	120
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																				
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil														700	1,000	2,500	10,000			
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																				
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																				
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																				
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																				

Field ID	Date	Lab Report Number	Material Type																			
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	<2	<0.4	10	25	47	0.1	6.9	89	-	-	-	-	-	-	-	-	-	-	-
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<2	<0.4	7.1	18	66	<0.1	6	70	<20	<20	51	<50	51	<20	<50	<100	<100	<100	<20	<50
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	2	<0.4	5	20	100	0.1	<5	93	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	98	69	167	<20	<50	140	<100	140	<20	<50
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	2.5	<0.4	6.9	21	120	0.3	<5	130	<20	<20	120	60	180	<20	<50	160	<100	160	<20	<50
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	7.1	<0.4	12	51	120	0.3	8.3	150	<20	<20	100	87	187	<20	<50	160	<100	160	<20	<50
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	3.4	<0.4	7.9	29	110	0.4	<5	95	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	2.5	<0.4	21	23	100	0.1	17	160	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	4.1	<0.4	7.6	21	150	0.2	<5	100	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	<2	<0.4	42	77	<5	<0.1	170	76	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	2.3	<0.4	5.4	22	110	0.3	<5	95	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)						
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																				
NEPM 2013 Table 1A(1) HILs Rec C Soil	300	90	300	17,000	600	80	1,200	30,000												
NEPM 2013 Table 1A(1) HILs Res B Soil	500	150	500	30,000	1,200	120	1,200	60,000												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																			50 | 90 | 150 | 290	280
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space	100		410	180	1,100		110	460												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																300	2,800		180	120
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																				
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil														700	1,000	2,500	10,000			
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																				
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																				
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																				
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																				

Field ID	Date	Lab Report Number	Material Type																			
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	270	140	410	<20	<50	370	<100	370	<20	<50
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	3.1	<0.4	11	24	140	0.1	8.7	150	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	4.1	<0.4	5.7	31	140	0.1	<5	110	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	2.3	<0.4	5.4	5.4	29	<0.1	<5	29	<20	<20	560	320	880	<20	<50	740	<100	740	<20	<50
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	3	<0.4	8.5	17	33	<0.1	11	64	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	2.2	<0.4	17	13	33	<0.1	14	51	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	2.1	<0.4	<5	9.7	46	<0.1	<5	69	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	4	<0.4	5	19	150	0.1	<5	140	<20	<20	60	<50	60	<20	<50	<100	<100	<100	<20	<50
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	<20	<20	82	84	166	<20	54	180	<100	234	<20	54
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	7.2	<0.4	7.8	21	21	<0.1	<5	6.2	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	<2	<0.4	13	82	<5	<0.1	37	36	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	<2	<0.4	16	100	11	<0.1	56	67	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)						
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	1	1	1	0.1	1	1	20	20	50	50	50	20	50	100	100	50	20	50
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																				
NEPM 2013 Table 1A(1) HILs Rec C Soil	300	90	300	17,000	600	80	1,200	30,000												
NEPM 2013 Table 1A(1) HILs Res B Soil	500	150	500	30,000	1,200	120	1,200	60,000												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																			50 | 90 | 150 | 290	280
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space	100		410	180	1,100		110	460												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																300	2,800		180	120
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																				
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil														700	1,000	2,500	10,000			
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																				
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																				
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																				
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																				

Field ID	Date	Lab Report Number	Material Type																		
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	<2	<0.4	<5	<5	<5	<0.1	<5	11	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<2	<0.4	5.8	52	160	0.1	<5	260	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	6.7	0.8	11	73	620	1.3	13	610	<20	<20	270	180	450	<20	52	400	<100	452	<20	52
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	4	0.5	10	49	350	0.5	10	360	<25	<50	<100	110	110	<25	<50	130	<100	130	<25	<50
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	<4	0.4	8	45	310	0.5	7	300	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	5.9	0.5	9.2	54	420	0.6	9.2	400	<20	<20	77	140	217	<20	<50	180	<100	180	<20	<50
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	2.2	0.5	5	20	280	0.4	5.4	490	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	3.1	<0.4	11	<5	29	<0.1	<5	75	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	<2	<0.4	<5	<5	<5	<0.1	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	2.2	<0.4	110	33	6.2	<0.1	110	68	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	23	300	150	2,000	1,000	1	1,200	2,900	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	<20	<20	250	200	450	<20	<50	420	<100	420	<20	<50
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	10	1.2	22	80	1,000	1	21	1,200	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	5.1	0.6	10	44	500	0.2	5.5	300	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	6.4	0.6	9.8	44	640	0.3	<5	370	<20	<20	64	54	118	<20	<50	100	<100	100	<20	<50
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	14	0.6	9	55	910	0.3	5	430	<25	<50	<100	<100	<50	<25	<50	110	<100	110	<25	<50
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	17	0.8	10	56	980	0.3	<5	460	<20	<20	94	83	177	<20	<50	180	<100	180	<20	<50
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	<20	<20	60	<50	60	<20	<50	<100	<100	<100	<20	<50
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	<2	<0.4	<5	<5	16	<0.1	<5	5.2	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table

Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	BTEXN							PAH																				
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC	PAHs (Sum of positives)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.2	0.3	0.5	50	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																												
NEPM 2013 Table 1A(1) HILs Rec C Soil														3	3	3												
NEPM 2013 Table 1A(1) HILs Res B Soil														4	4	4												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand	0.7 | 1 | 2 | 3	480				110 | 310	5																		5		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space							170																			170		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil	50	85	70			105																						
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space													20															
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																												
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																												
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																												
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																												
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																												

Field ID	Date	Lab Report Number	Material Type																										
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.6	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	0.9	1.6	1.3	0.9	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	1.2	0.6	1.4	1.1	0.8	<0.5	-	<0.5	0.7	1.1	<0.5	0.8	<0.5	<0.5	<0.5	1
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	3	2.3	3.5	3.2	3	0.9	-	0.7	1.9	2.3	<0.5	1.9	<0.5	0.8	<0.5	0.9	2.4
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	2.7	2.1	3.1	2.9	2.6	0.9	-	<0.5	1	2.2	<0.5	1.4	<0.5	<0.5	<0.5	0.9	2.3
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	1.3	<0.5	3.5	3.9	5.7	5.4	5.2	2.9	-	1.2	3.5	8.9	<0.5	9.1	1.5	1.6	0.6	11	11
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	2.7	4	6	6	6	2.3	-	4.4	3	2.5	0.8	0.7	<0.5	3.5	<0.5	0.6	1.4
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	3.4	2.7	3.9	3.6	3.4	0.9	-	0.7	1.3	2.9	<0.5	2.9	<0.5	0.6	<0.5	2.1	3.4
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	0.9	1.1	1.9	1.7	1.4	0.9	-	0.8	0.8	0.9	<0.5	1.7	<0.5	0.6	<0.5	0.7	1.7
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	0.6	2.4	2.4	3.8	3.5	3.3	2.3	-	1.9	2.3	2.4	<0.5	4.5	<0.5	1.2	<0.5	2.1	4.5
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.7	0.8	1.6	1.3	1	<0.5	-	0.5	0.7	0.8	<0.5	1.3	<0.5	<0.5	<0.5	0.9	1.6
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	1.2	1	1.8	1.6	1.3	0.6	-	0.8	0.8	1	<0.5	1.7	<0.5	0.5	<0.5	1	2.2
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	1.3	1.5	9.6	13	19	19	19	6.6	-	12	11	9.3	2.5	11	<0.5	7.9	<0.5	2.6	17
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table

Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

								BTEXN						PAH																	
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC	PAHs (Sum of positives)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.2	0.3	0.5	50	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																													
NEPM 2013 Table 1A(1) HILs Rec C Soil														3	3	3													
NEPM 2013 Table 1A(1) HILs Res B Soil														4	4	4													
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand	0.7 | 1 | 2 | 3	480				110 | 310	5																		5		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space							170																			170		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil	50	85	70			105																						
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space													20															
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																												
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																												
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																												
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																												
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																												

Field ID	Date	Lab Report Number	Material Type																												
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	0.6	0.9
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	0.8	1.4	11	12	18	18	18	8	-	7.9	11	9.4	2.1	20	<0.5	6.2	<0.5	4.2	22
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	0.5
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table

Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

		BTEXN							PAH																					
		Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC	PAHs (Sum of positives)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		0.1	0.1	0.1	0.1	0.2	0.3	0.5	50	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																													
NEPM 2013 Table 1A(1) HILs Rec C Soil															3	3	3												
NEPM 2013 Table 1A(1) HILs Res B Soil															4	4	4												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand		0.7 | 1 | 2 | 3	480				110 | 310	5																		5		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space								170																			170		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil		50	85	70			105																						
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space														20															
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																													
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																													
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																													
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																													
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																													
Field ID	**Date**	**Lab Report Number**	**Material Type**																											
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.6	0.6	1.3	1	0.7	<0.5	-	0.5	0.6	0.6	<0.5	1.2	<0.5	<0.5	<0.5	0.8	1.1
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.7	0.6	1.3	1	0.7	<0.5	-	<0.5	0.5	0.6	<0.5	1.3	<0.5	<0.5	<0.5	0.9	1.2
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	0.9	1.3	2.1	1.9	1.6	0.7	-	<0.5	0.9	1.5	<0.5	2	<0.5	0.6	<0.5	<0.5	2.1
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	<0.2	<0.5	<1	<1	<2	<1	<1	16,000	<0.1	0.2	0.4	1.2	1.6	2.2	2.2	2.2	-	2.1	0.7	-	1.2	0.2	2.7	0.1	0.9	<0.1	1.8	2.7
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	1.5	1.3	2.2	1.9	1.6	<0.5	-	<0.5	1	1.3	<0.5	0.9	<0.5	<0.5	<0.5	0.7	1.2
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	<0.5	0.8	0.9	3.5	3.4	5.3	5.3	5.3	2.3	-	2.4	3.5	3.2	0.7	5.7	<0.5	2	<0.5	3.3	6.1
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	0.5	0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	0.7
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	0.8	0.9	1.7	1.5	1.2	0.8	-	0.8	1	1	<0.5	2.2	<0.5	0.5	<0.5	1.2	1.9
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	4.4	1.5	2.9	2.7	2.4	1.3	-	1.2	1.9	3.3	<0.5	4.5	<0.5	1.3	<0.5	3.2	5
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	<0.2	<0.5	<1	<1	<2	<1	<1	19,000	<0.1	0.2	0.2	1.1	2.0	2.7	2.7	2.7	-	2.6	1.2	-	1.2	0.2	3.4	0.1	1.4	<0.1	1.7	3.2
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	<0.5	<0.5	<0.5	0.8	1.2	2.1	1.9	1.6	1	-	1.1	1.3	2.7	<0.5	3.6	<0.5	1	<0.5	1.9	3.7
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

										Organochlorine Pesticides																			
										4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone
										mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL										0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																													
NEPM 2013 Table 1A(1) HILs Rec C Soil																	10	70					400				20		
NEPM 2013 Table 1A(1) HILs Res B Soil																	10	90					600				20		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																													
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																						180							
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																													
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																													
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																													
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																													
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																													
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																													
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																													

Field ID	Date	Lab Report Number	Material Type																										
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	0.64	0.69	7.6	-	-	<0.05	<0.05	<0.05	0.06	0.09	<0.05	<0.05	<0.05	<0.05	2.9	4.2	<0.05	<0.05	-	<0.5
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<10
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

										Organochlorine Pesticides																			
	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Mirex	Toxaphene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.5
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																										
NEPM 2013 Table 1A(1) HILs Rec C Soil								10	70					400				20			10		10	400	20	30
NEPM 2013 Table 1A(1) HILs Res B Soil								10	90					600				20			10		15	500	20	30
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																										
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space												180														
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																										
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																										
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																										
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																										
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																										
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																										
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																										

Field ID	Date	Lab Report Number	Material Type																									
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<10
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<10

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

														Organochlorine Pesticides														
	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Mirex	Toxaphene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.5
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																										
NEPM 2013 Table 1A(1) HILs Rec C Soil								10	70					400				20			10		10	400	20	30
NEPM 2013 Table 1A(1) HILs Res B Soil								10	90					600				20			10		15	500	20	30
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																										
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space												180														
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																										
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																										
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																										
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																										
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																										
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																										
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																										

Field ID	Date	Lab Report Number	Material Type																									
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	0.12	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	<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	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	<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	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

												Chlorinated Alkanes															Chlorinated Alkenes										Solvents
												1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	Vinyl Chloride	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Acetone
												mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL												0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																																							
NEPM 2013 Table 1A(1) HILs Rec C Soil																																							
NEPM 2013 Table 1A(1) HILs Res B Soil																																							
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																																							
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																																							
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																																							
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																																							
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																																							
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																																							
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																																							
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																																							
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																																							
Field ID	**Date**	**Lab Report Number**	**Material Type**																																				
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Chlorinated Alkanes																Chlorinated Alkenes										Solvents
	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	Vinyl Chloride	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Acetone
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																											
NEPM 2013 Table 1A(1) HILs Rec C Soil																											
NEPM 2013 Table 1A(1) HILs Res B Soil																											
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																											
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																											
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																											
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																											
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																											
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																											
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																											
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																											
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																											

Field ID	Date	Lab Report Number	Material Type																									
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

				Chlorinated Alkanes																Chlorinated Alkenes										Solvents
				1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	Vinyl Chloride	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Acetone
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																														
NEPM 2013 Table 1A(1) HILs Rec C Soil																														
NEPM 2013 Table 1A(1) HILs Res B Soil																														
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																														
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																														
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																														
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																														
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																														
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																														
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																														
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																														
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																														
Field ID	**Date**	**Lab Report Number**	**Material Type**																											
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Polychlorinated Biphenyls								PFAS																
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																									
NEPM 2013 Table 1A(1) HILs Rec C Soil								1																	
NEPM 2013 Table 1A(1) HILs Res B Soil								1																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																									
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																									
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																									
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																									
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																									
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access													20												
PFAS NEMP 3.0 (2025) HIL C - Public Open Space													10												

Field ID	Date	Lab Report Number	Material Type																								
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Polychlorinated Biphenyls								PFAS																
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																									
NEPM 2013 Table 1A(1) HILs Rec C Soil								1																	
NEPM 2013 Table 1A(1) HILs Res B Soil								1																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																									
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																									
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																									
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																									
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																									
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access													20												
PFAS NEMP 3.0 (2025) HIL C - Public Open Space													10												

Field ID	Date	Lab Report Number	Material Type																								
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	<1	<1	<1	<1	<1	<1	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Polychlorinated Biphenyls								PFAS																
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																									
NEPM 2013 Table 1A(1) HILs Rec C Soil								1																	
NEPM 2013 Table 1A(1) HILs Res B Soil								1																	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																									
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																									
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																									
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																									
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																									
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																									
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																									
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access													20												
PFAS NEMP 3.0 (2025) HIL C - Public Open Space													10												

Field ID	Date	Lab Report Number	Material Type																								
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	PFAS																	
	N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTSA)	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTSA)	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTSA)	1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2 FTSA)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10) *	Sum of PFAS	Perfluorononanesulfonic acid ion
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg
EQL	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.005
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																		
NEPM 2013 Table 1A(1) HILs Rec C Soil																		
NEPM 2013 Table 1A(1) HILs Res B Soil																		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																		
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																		
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																		
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																		
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access					2		2						2					
PFAS NEMP 3.0 (2025) HIL C - Public Open Space					1		1						1					

Field ID	Date	Lab Report Number	Material Type																	
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table

Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	PFAS																	
	N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTSA)	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTSA)	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTSA)	1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2 FTSA)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10) *	Sum of PFAS	Perfluorononanesulfonic acid ion
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg
EQL	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.005
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																		
NEPM 2013 Table 1A(1) HILs Rec C Soil																		
NEPM 2013 Table 1A(1) HILs Res B Soil																		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																		
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																		
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																		
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																		
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access					2		2						2					
PFAS NEMP 3.0 (2025) HIL C - Public Open Space					1		1						1					
Field ID	**Date**	**Lab Report Number**	**Material Type**																
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	PFAS																	
	N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTSA)	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTSA)	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTSA)	1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2 FTSA)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10) *	Sum of PFAS	Perfluorononanesulfonic acid ion
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg
EQL	0.01	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.005
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																		
NEPM 2013 Table 1A(1) HILs Rec C Soil																		
NEPM 2013 Table 1A(1) HILs Res B Soil																		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																		
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																		
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																		
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																		
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access					2		2						2					
PFAS NEMP 3.0 (2025) HIL C - Public Open Space					1		1						1					

Field ID	Date	Lab Report Number	Material Type																	
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				Trihalomethanes				Organic Sulfur Compounds	Ionic Balance		
	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Carbon disulfide	CEC	Conductivity (1:5 aqueous extract)	pH (aqueous extract)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MEQ/100G	US/CM	pH Units
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																								
NEPM 2013 Table 1A(1) HILs Rec C Soil																								
NEPM 2013 Table 1A(1) HILs Res B Soil																								
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																								
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																								
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																								
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																								
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																								
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																								
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																								
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																								
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																								

Field ID	Date	Lab Report Number	Material Type																							
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	<10	8.1
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	78	8.6
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

				MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				Trihalomethanes				Organic Sulfur Compounds	Ionic Balance		
				1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Carbon disulfide	CEC	Conductivity (1:5 aqueous extract)	pH (aqueous extract)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MEQ/100G	US/CM	pH Units
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																											
NEPM 2013 Table 1A(1) HILs Rec C Soil																											
NEPM 2013 Table 1A(1) HILs Res B Soil																											
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																											
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																											
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																											
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																											
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																											
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																											
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																											
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																											
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																											
Field ID	**Date**	**Lab Report Number**	**Material Type**																								
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	39	9.5
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

				MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				Trihalomethanes				Organic Sulfur Compounds	Ionic Balance		
				1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Carbon disulfide	CEC	Conductivity (1:5 aqueous extract)	pH (aqueous extract)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MEQ/100G	US/CM	pH Units
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	10	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																											
NEPM 2013 Table 1A(1) HILs Rec C Soil																											
NEPM 2013 Table 1A(1) HILs Res B Soil																											
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																											
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CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																											
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NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil																											
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil																											
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																											
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																											
Field ID	**Date**	**Lab Report Number**	**Material Type**																								
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	17	5.5
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Asbestos - Eurofins										Asbestos - Envirolab				Other			
	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	Asbestos FA & AF in Soil	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Fraction Organic Carbon*	Moisture Content (dried @ 103°C)	Analysed Material	Extraneous Material
	g	g	g	% (w/w)	g	g	g	g	g	% (w/w)	g/kg	g/kg	% (w/w)	% (w/w)	% W/W	%	%	%
EQL															0.01	1	0.1	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																		
NEPM 2013 Table 1A(1) HILs Rec C Soil																		
NEPM 2013 Table 1A(1) HILs Res B Soil																		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																		
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																		
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil				0.02						0.001			0.02	0.001				
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil				0.04						0.001			0.04	0.001				
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																		
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																		
Field ID	**Date**	**Lab Report Number**	**Material Type**																
JBH02_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	558	0	0	0	0	0	0	0	0	0	-	-	-	-	-	10	-	-
JBH02_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	672	0	0	0	0	0	0	0	0	0	-	-	-	-	-	3.7	-	-
JBH03_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	380	0	0	0	0.1812	0.0725	0	0	0.0725	0.0191	-	-	-	-	-	4.2	-	-
JBH03_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	621	0	0	0	0	0	0	0	0	0	-	-	-	-	-	2.8	-	-
JBH03_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-
JBH04_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-
JBH04_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-
JBH04_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-
JBH04_0.9-1.0	20 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-
JBH05_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	534	0	0	0	0	0	0	0	0	0	-	-	-	-	-	6.7	-	-
JBH05_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	714	0	0	0	0	0	0	0	0	0	-	-	-	-	-	5.8	-	-
JBH05_0.4-0.5	19 Mar 2025	1200931	Fill - Sand	748	0	0	0	0	0	0	0	0	0	-	-	-	-	-	6.5	-	-
JBH05_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	729	0	0	0	0	0	0	0	0	0	-	-	-	-	-	6.7	-	-
JBH05_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-
JBH06_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	668	0	0	0	0	0	0	0	0	0	-	-	-	-	-	6.1	-	-
JBH06_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	727	0	0	0	0	0	0	0	0	0	-	-	-	-	-	5.6	-	-
JBH06_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	847	0	0	0	0	0	0	0	0	0	-	-	-	-	-	6.5	-	-
JBH06_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-
JBH06_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	-	-
JBH06_1.9-2.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-
JBH06_8.4-8.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	4.5	-	-
JBH07_0-0.1	19 Mar 2025	1200931	Fill - Gravelly Silty Sand	410	0	0	0	0	0	0	0	0	0	-	-	-	-	-	4.2	-	-
JBH07_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	-	-

TABLE A - Soil Analytical Summary Table

Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Asbestos - Eurofins										Asbestos - Envirolab				Other			
	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	Asbestos FA & AF in Soil	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Fraction Organic Carbon*	Moisture Content (dried @ 103°C)	Analysed Material	Extraneous Material
	g	g	g	% (w/w)	g	g	g	g	g	% (w/w)	g/kg	g/kg	% (w/w)	% (w/w)	% W/W	%	%	%
EQL															0.01	1	0.1	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																		
NEPM 2013 Table 1A(1) HILs Rec C Soil																		
NEPM 2013 Table 1A(1) HILs Res B Soil																		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																		
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																		
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil				0.02						0.001			0.02	0.001				
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil				0.04						0.001			0.04	0.001				
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																		
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																		
Field ID	**Date**	**Lab Report Number**	**Material Type**															
JBH07_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	-	-
JBH07_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	-
JBH07_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	-	-
JBH09_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	348	0	0	0	0	0	0	0	0	0	-	-	-	-	6.9	-	-
JBH09_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	612	0	0	0	0	0	0	0	0	0	-	-	-	-	3	-	-
JBH09_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	793	0	0	0	0	0	0	0	0	0	-	-	-	-	4.5	-	-
JBH09_0.9-1.0	19 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-
JBH09_1.4-1.5	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-
JBH11_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7	-	-
JBH11_0.9-1.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-
JBH12_0-0.1	19 Mar 2025	1200931	Fill - Silty Sand	648	0	0	0	0	0	0	0	0	0	-	-	-	-	7.5	-	-
JBH12_0.2-0.3	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-
JBH12_0.4-0.5	19 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-
JBH12_2.9-3.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-
JBH12_4.9-5.0	19 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-	-
JBH12_5.9-6.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.5	100	<0.1
JBH12_6.9-7.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	100	<0.1
JBH12_7.9-8.0	19 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	13	100	<0.1
JBH14_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	796	0	0	0	0	0	0	0	0	0	-	-	-	-	5.7	-	-
JBH14_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	727	0	0	0	0	0	0	0	0	0	-	-	-	-	7.4	-	-
JBH14_0.4-0.5	20 Mar 2025	1200931	Fill - Sand	697	0	0	0	0	0	0	0	0	0	-	-	-	-	8.1	-	-
JBH14_0.9-1.0	20 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	-	-
JBH14_2.9-3.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-
JBH14_3.9-4.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	100	<0.1
JBH14_4.9-5.0	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	32	100	<0.1
JBH14_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	100	<0.1
JBH14_6.9-7.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	13	82	18
JBH15_0-0.1	20 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-
JBH15_0.2-0.3	20 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-
JBH15_1.4-1.5	20 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-

TABLE A - Soil Analytical Summary Table
Project Number: 68063 Project Name: Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Asbestos - Eurofins										Asbestos - Envirolab				Other			
	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	Asbestos FA & AF in Soil	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)	Fraction Organic Carbon*	Moisture Content (dried @ 103°C)	Analysed Material	Extraneous Material
	g	g	g	% (w/w)	g	g	g	g	g	% (w/w)	g/kg	g/kg	% (w/w)	% (w/w)	% W/W	%	%	%
EQL															0.01	1	0.1	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																		
NEPM 2013 Table 1A(1) HILs Rec C Soil																		
NEPM 2013 Table 1A(1) HILs Res B Soil																		
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space																		
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																		
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																		
NEPM 2013 Table 7 Rec C Soil HSL for Asbestos in Soil				0.02						0.001			0.02	0.001				
NEPM 2013 Table 7 Res B Soil HSL for Asbestos in Soil				0.04						0.001			0.04	0.001				
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																		
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																		

Field ID	Date	Lab Report Number	Material Type																
JBH17_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
JBH17_0.4-0.5	18 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	-	-
JBH17_0.9-1.0	18 Mar 2025	1200931	Natural - Clayey Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-
JBH18_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-
JBH18_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-
JBH18_0.9-1.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-
JBH18_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	-
JBH20_0-0.1	18 Mar 2025	1200931	Fill - Sandy Silt	483	0	0	0	0	0	0	0	0	0	-	-	-	-	-	12	-	-
JBH20_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Silt	594	0	0	0	0	0	0	0	0	0	-	-	-	-	-	9	-	-
JBH20_0.4-0.5	18 Mar 2025	1200931	Fill - Sandy Silt	569	0	0	0	0	0	0	0	0	0	-	-	-	-	-	24	-	-
20250318QA-01	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	0.0022	-	-	-	-
20250318QA-01 - [TRIPLICATE]	18 Mar 2025	376261	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20250318QC_01	18 Mar 2025	1200931	Fill - Sandy Silt	465	0	0	0	-	0	0	0	0	0	-	-	-	-	-	7.9	-	-
JBH20_1.4-1.5	18 Mar 2025	1200931	Fill - Sandy Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-
JBH20_2.9-3.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-
JBH20_4.9-5.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	100	<0.1
JBH20_5.9-6.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	100	<0.1
JBH20_6.9-7.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	100	<0.1
JBH20_7.9-8.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	27	100	<0.1
JBH20_8.9-9.0	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	26	100	<0.1
JBH21_0-0.1	18 Mar 2025	1200931	Fill - Silt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	-
JBH21_0.4-0.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-	-
JBH21_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	100	<0.1
JBH21_5.9-6.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8	100	<0.1
JBH21_8.2-8.3	18 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	3.5	-	-
JBH25_0-0.1	18 Mar 2025	1200931	Fill - Gravel	405	0	0	0	0	0	0	0	0	0	-	-	-	-	-	7.1	-	-
JBH25_0.1-0.2	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-
JBH25_0.2-0.3	18 Mar 2025	1200931	Fill - Gravelly Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-
JBH25_0.9-1.0	18 Mar 2025	1200931	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	-	-
JBH25_1.4-1.5	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	-	-
JBH26_0-0.1	18 Mar 2025	1200931	Fill - Sandy Gravel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-
JBH26_0.2-0.3	18 Mar 2025	1200931	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.5	-	-
JBH26_1.9-2.0	18 Mar 2025	1200931	Natural - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
JBH32_0-0.1	20 Mar 2025	1200931	Fill - Silty Sand	437	0	0	0	0	0	0	0	0	0	-	-	-	-	-	17	-	-
JBH32_0.2-0.3	20 Mar 2025	1200931	Fill - Silty Sand	750	4.0657	0.4066	0.0542	0.0269	0.0054	0	0	0.0054	0.0007	-	-	-	-	-	12	-	-
20250320QA_02	20 Mar 2025	376261	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	0.0002	-	-	-	-
20250320QC_02	20 Mar 2025	1200931	Fill - Silty Sand	503	0	0	0	0.129	0.0258	0	0	0.0258	0.0051	-	-	-	-	-	10	-	-
JBH32_0.4-0.5	20 Mar 2025	1200931	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-
JBH32_0.9-1.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	100	<0.1
JBH32_1.9-2.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	100	<0.1
JBH32_2.9-3.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	100	<0.1
JBH32_4.9-5.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	100	<0.1
JBH32_5.9-6.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	100	<0.1
JBH32_7.9-8.0	20 Mar 2025	1200931	Natural - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	14	100	<0.1

TABLE B - Historical Soil Analytical Summary Table (DP 2022)
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

				Metals & Metalloids								TPHs (NEPC 1999)							TRHs (NEPC 2013)				
				Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10 - C36 Fraction (sum)	C6 - C10 Fraction	Total Xylenes	C10-C16	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	F3 (>C16 - C34 Fraction)	F4 (>C34 - C40 Fraction)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				4	0.4	1	1	1	0.1	1	1	25	50	100	100	50	25	1	50	25	50	100	100
NEPM 2013 Table 1A(1) HILs Rec C Soil				300	90	300	17,000	600	80	1,200	30,000												
NEPM 2013 Table 1A(1) HILs Res B Soil				500	150	500	30,000	1,200	120	1,200	60,000												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																				45 | 70 | 110 | 200	110 | 240 | 440		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space				100		410	180	1,100		110	460												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																				180	120		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																							
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																			1,000	700	1,000	2,500	10,000
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																							
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																							
Sample Code	**Date**	**Lab Report Number**	**Matrix Type**																				
BH1_0.4 - 0.5	10 Oct 2022	DP2022	Fill - Sand	6	<0.4	9	31	230	0.6	5	300	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH2_0.4 - 0.5	12 Oct 2022	DP2022	Fill - Silty Sand	10	0.5	15	51	260	1.4	8	520	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH4_0.1 - 0.2	11 Oct 2022	DP2022	Fill - Sandy Gravel	<4	<0.4	5	69	84	<0.1	3	110	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH6_0.1 - 0.2	14 Oct 2022	DP2022	Fill - Sand	<4	<0.4	14	43	36	<0.1	7	68	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH9_0.4 - 0.5	13 Oct 2022	DP2022	Fill - Sand	<4	<0.4	9	30	400	0.1	5	430	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH13_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	6	29	140	0.2	4	150	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH13_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	7	1	12	76	690	0.8	7	770	-	-	-	-	-	<25	<1	<50	<25	<50	150	<100
BH13_QC_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	5	0.8	9	100	1,200	0.7	9	890	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	10	100	220	1	5	64	-	-	-	-	-	<25	<1	<50	<25	<50	200	<100
BD06_0	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	6	120	210	0.7	6	75	-	-	-	-	-	<25	<1	<50	<25	<50	170	<100
BH14_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	7	22	100	0.2	3	120	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH15_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	4	0.8	22	56	470	0.5	8	520	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH16_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	0.4	28	36	220	0.3	4	270	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH16_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	5	1	31	120	440	1.1	6	1,100	-	-	-	-	-	-	-	-	-	-	-	-
BH17_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<4	<0.4	7	26	180	0.3	4	220	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH17_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	3	10	68	0.1	2	69	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH18_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	6	0.5	93	49	340	0.2	5	240	-	-	-	-	-	<25	<1	<50	<25	<50	120	<100
BH19_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	0.6	11	52	250	0.1	8	210	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH19_0.4 - 0.5	30 Sep 2022	DP2022	Fill- Sand	<4	<0.4	8	11	83	0.2	3	81	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH20_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	6	0.4	8	34	220	0.2	5	230	-	-	-	-	-	<25	<1	<50	<25	<50	130	<100
BH20_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	4	0.6	12	46	750	0.4	5	320	-	-	-	-	-	-	-	-	-	-	-	-
BH21_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	9	51	220	0.2	6	230	-	-	-	-	-	<25	<1	<50	<25	<50	120	<100
BH21_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	0.5	9	60	260	0.3	6	240	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	4	<0.4	8	25	380	0.3	4	270	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH22_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sandy Clay	4	<0.4	7	24	350	0.3	4	250	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH23_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	7	0.9	12	69	830	0.4	8	560	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH24_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	9	48	220	0.4	5	200	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH24_0.5-0.6	30 Sep 2022	DP2022	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25_0-0.15	30 Sep 2022	DP2022	Fill - Sand	<4	0.7	7	53	590	0.2	7	360	<25	<50	270	<100	270	-	<1	-	-	-	-	-
BH25_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	3	15	200	<0.1	3	120	-	-	-	-	-	-	-	-	-	-	-	-
BH26_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	4	0.8	9	58	690	0.5	5	390	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH26_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	3	17	110	0.2	1	160	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH26_QC_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	4	23	90	0.3	2	290	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	7	0.8	11	82	450	0.3	20	420	-	-	-	-	-	<25	<1	<50	<25	<50	100	<100
BH28_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	0.5	8	50	310	0.2	5	220	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH28_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	5	2	15	72	1,100	0.5	6	1,200	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH29_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<4	<0.4	6	28	180	<0.1	4	130	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH30_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	4	0.7	7	53	1,300	1.2	3	330	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH30_0.3 - 0.4	30 Sep 2022	DP2022	Fill - Sand	5	<0.4	4	37	1,100	0.9	3	83	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH31_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	0.6	6	35	280	0.2	4	240	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH31_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	5	0.7	6	40	440	0.2	3	460	-	-	-	-	-	-	-	-	-	-	-	-
BH32_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	7	38	150	0.1	5	110	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH32_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	5	19	180	0.2	3	160	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH33_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	8	28	84	<0.1	7	110	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BD01_0	30 Sep 2022	DP2022	Fill - Sand	5	<0.4	13	33	97	<0.1	10	120	-	-	-	-	-	<25	<1	<50	<25	<50	130	<100

TABLE B - Historical Soil Analytical Summary Table (DP 2022)
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

				Metals & Metalloids								TPHs (NEPC 1999)							TRHs (NEPC 2013)				
				Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10 - C36 Fraction (sum)	C6 - C10 Fraction	Total Xylenes	C10-C16	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	F3 (>C16 - C34 Fraction)	F4 (>C34 - C40 Fraction)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				4	0.4	1	1	1	0.1	1	1	25	50	100	100	50	25	1	50	25	50	100	100
NEPM 2013 Table 1A(1) HILs Rec C Soil				300	90	300	17,000	600	80	1,200	30,000												
NEPM 2013 Table 1A(1) HILs Res B Soil				500	150	500	30,000	1,200	120	1,200	60,000												
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand																				45 | 70 | 110 | 200	110 | 240 | 440		
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space				100		410	180	1,100		110	460												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil																				180	120		
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space																							
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																			1,000	700	1,000	2,500	10,000
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																							
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																							
BH34_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	2	10	60	390	0.5	21	440	-	-	-	-	-	<25	<1	<50	<25	<50	150	<100
BH34_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	0.5	7	51	170	0.2	5	160	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH35_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	0.7	8	45	460	0.4	5	300	-	-	-	-	-	<25	<1	<50	<25	<50	220	<100
BH36_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	4	15	180	<0.1	2	120	-	-	-	-	-	<25	<1	<50	<25	<50	130	<100
BH36_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Sand	<4	<0.4	2	6	98	<0.1	<1	79	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH37_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<4	<0.4	6	17	84	<0.1	4	80	-	-	-	-	-	-	-	-	-	-	-	-
BH37_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	3	12	230	0.2	2	130	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH38_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<4	<0.4	9	34	96	<0.1	6	82	-	-	-	-	-	<25	<1	<50	<25	<50	100	<100
BH38_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	9	45	120	<0.1	6	83	-	-	-	-	-	-	-	-	-	-	-	-
BH38_0.4-0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38_0.9 - 1	30 Sep 2022	DP2022	Fill -Sand	<4	<0.4	5	52	280	0.6	5	260	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH39_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	8	0.9	100	130	610	0.9	12	390	-	-	-	-	-	<25	<1	<50	<25	<50	210	<100
BH39_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	5	1	33	200	480	0.5	13	910	-	-	-	-	-	-	-	-	-	-	-	-
BH40_0-0.15	30 Sep 2022	DP2022	Fill -Sand	4	<0.4	25	38	150	0.3	8	170	<25	<50	<100	<100	<50	-	<1	-	-	-	-	-
BH40_0.4-0.5	30 Sep 2022	DP2022	Fill -Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	5	0.9	140	72	790	1.3	9	330	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH42_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<4	<0.4	8	16	39	0.1	5	72	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH42_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	<4	<0.4	470	37	70	0.4	51	130	-	-	-	-	-	-	-	-	-	-	-	-
BH43_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<4	<0.4	6	22	120	0.4	4	92	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH43_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	7	<0.4	6	31	150	0.4	5	110	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH44_0 - 0.1	30 Sep 2022	DP2022	Fill - Silty Sand	<4	<0.4	10	35	69	<0.1	5	140	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH44_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	8	25	240	0.2	3	160	-	-	-	-	-	<25	<1	<50	<25	<50	330	<100
BH45_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<4	<0.4	12	40	210	0.1	5	170	-	-	-	-	-	-	-	-	-	-	-	-
BH45_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	2	6	560	0.2	<1	37	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH46_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<4	0.5	12	44	430	<0.1	5	300	-	-	-	-	-	<25	<1	<50	<25	<50	170	<100
BD3/20220929_0	30 Sep 2022	DP2022	Fill - Silty Sand	<4	0.5	11	50	790	0.3	5	410	-	-	-	-	-	<25	<1	<50	<25	<50	1,200	240
BH46_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	8	0.7	18	67	650	0.3	10	450	-	-	-	-	-	<25	<1	<50	<25	<50	300	<100
BH47_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<4	0.6	18	54	180	0.1	5	180	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH47_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	22	28	150	0.1	2	220	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH48_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<4	<0.4	5	17	82	<0.1	2	180	-	-	-	-	-	<25	<1	<50	<25	<50	260	120
BH48_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Sand	10	<0.4	5	10	79	<0.1	2	89	-	-	-	-	-	<25	<1	<50	<25	<50	160	<100
BH48_1-1.1	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<4	<0.4	6	8	41	<0.1	4	30	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH49_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Clay	4	<0.4	6	12	550	<0.1	2	38	-	-	-	-	-	-	-	-	-	-	-	-
BH49_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Clay	<4	<0.4	5	12	100	<0.1	3	59	-	-	-	-	-	-	-	-	-	-	-	-
BH50_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	6	18	240	0.2	2	280	-	-	-	-	-	<25	<1	<50	<25	<50	190	<100
BH50_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	<1	2	50	<0.1	<1	17	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH51_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	7	22	110	0.2	4	120	-	-	-	-	-	<25	<1	<50	<25	<50	160	<100
BH52_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	5	<0.4	13	42	88	<0.1	4	120	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH52_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	7	200	110	<0.1	6	200	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH53_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	11	24	28	<0.1	10	78	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH53_0.4 - 0.5	30 Sep 2022	DP2022	Natural - Sand	<4	<0.4	14	11	26	<0.1	11	47	-	-	-	-	-	-	-	-	-	-	-	-
BH54_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	7	27	110	0.1	4	140	-	-	-	-	-	<25	<1	100	<25	100	450	210
BH54_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	4	7	50	<0.1	3	44	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100
BH55_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	10	26	82	0.2	4	75	-	-	-	-	-	<25	<1	<50	<25	<50	160	<100
BH55_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<4	<0.4	3	12	40	0.2	1	88	-	-	-	-	-	<25	<1	<50	<25	<50	<100	<100

TABLE B - Historical Soil Analytical Summary Table (DP 2022)
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

				BTEXN					PAH					Organochlorine Pesticides										
				Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Benzo(a)pyrene	Benzo(a)pyrene TEQ	Naphthalene	Total PAHs	Aldrin + Dieldrin	Chlordane	DDT	DDE	DDD	Endosulfan (Total)	Endrin	Heptachlor	Hexachlorobenzene	Methoxychlor	total OC Pesticides
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.2	0.5	1	1	2	0.05	0.5	0.1	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM 2013 Table 1A(1) HILs Rec C Soil										3			10	70					20	10	10	400	
NEPM 2013 Table 1A(1) HILs Res B Soil										4			10	90					20	10	15	500	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand				0.5 | 0.5 | 0.5 | 0.5	160 | 220 | 310 | 540	55					3											
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space											170				180								
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil				50	85	70																	
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space									20														
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																							
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																							
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																							
Sample Code	**Date**	**Lab Report Number**	**Matrix Type**																				
BH1_0.4 - 0.5	10 Oct 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,500	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH2_0.4 - 0.5	12 Oct 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	2,400	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH4_0.1 - 0.2	11 Oct 2022	DP2022	Fill - Sandy Gravel	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH6_0.1 - 0.2	14 Oct 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,300	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH9_0.4 - 0.5	13 Oct 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.4	<0.5	<0.1	4,500	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH13_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.4	0.5	<0.1	4,400	-	-	-	-	-	-	-	-	-	-	-
BH13_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.2	1.8	<0.1	11,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH13_QC_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	1.1	1.7	<0.1	11,000	-	-	-	-	-	-	-	-	-	-	-
BH14_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	3.6	4.9	0.1	23,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BD06_0	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	3.2	4.5	0.1	21,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-
BH14_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,600	-	-	-	-	-	-	-	-	-	-	-
BH15_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.1	1.7	<0.1	11,000	<0.1	<0.1	<0.1	<0.1	< 0..1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH16_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.4	0.5	<0.1	4,100	<0.1	<0.1	<0.1	<0.1	< 0..1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH16_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH17_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.56	0.8	<0.1	6,300	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH17_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.1	<0.5	<0.1	888	-	-	-	-	-	-	-	-	-	-	-
BH18_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.8	2.6	<0.1	15,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH19_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	< 00..5	<0.1	1,900	-	-	-	-	-	-	-	-	-	-	-
BH19_0.4 - 0.5	30 Sep 2022	DP2022	Fill- Sand	<0.2	<0.5	<1	-	-	<0.05	<0.5	<0.1	<5.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH20_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.4	2..1	<0.1	15,000	0.1	<0.1	< 00..1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH20_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	< 00..1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH21_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.6	2.2	0.1	13,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH21_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.33	< 0..55	<0.1	3,100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH22_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sandy Clay	<0.2	<0.5	<1	-	-	0.544	0.7	<0.1	5,600	-	-	-	-	-	-	-	-	-	-	-
BH23_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.22	1.7	<0.1	12,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH24_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.664	0.9	<0.1	6,400	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH24_0.5-0.6	30 Sep 2022	DP2022	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25_0-0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	<1	<2	2.9	-	-	38,000	-	-	-	-	-	<0.1	-	-	-	-	0.3
BH25_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH26_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.72	1.1	<0.1	7,400	-	-	-	-	-	-	-	-	-	-	-
BH26_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.1	<0.5	<0.1	640	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH26_QC_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.4	0.6	<0.1	4,100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH28_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.5	0.6	<0.1	4,300	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH28_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1	1.5	<0.1	9,800	-	-	-	-	-	-	-	-	-	-	-
BH29_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	2,800	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH30_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.98	1.4	0.1	10,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH30_0.3 - 0.4	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,800	-	-	-	-	-	-	-	-	-	-	-
BH31_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	2,300	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH31_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH32_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	2,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH32_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.1	<0.5	<0.1	1,200	-	-	-	-	-	-	-	-	-	-	-
BH33_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	2,400	<0.1	<0.1	<0.1	<0.1	<0.1	< 0..1	<0.1	<0.1	<0.1	<0.1	-
BD01_0	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	2,400	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-

TABLE B - Historical Soil Analytical Summary Table (DP 2022)
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

				BTEXN					PAH					Organochlorine Pesticides										
				Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Benzo(a)pyrene	Benzo(a)pyrene TEQ	Naphthalene	Total PAHs	Aldrin + Dieldrin	Chlordane	DDT	DDE	DDD	Endosulfan (Total)	Endrin	Heptachlor	Hexachlorobenzene	Methoxychlor	total OC Pesticides
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.2	0.5	1	1	2	0.05	0.5	0.1	50	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM 2013 Table 1A(1) HILs Rec C Soil										3			10	70					20	10	10	400	
NEPM 2013 Table 1A(1) HILs Res B Soil										4			10	90					20	10	15	500	
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand				0.5 | 0.5 | 0.5 | 0.5	160 | 220 | 310 | 540	55					3											
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space											170				180								
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil				50	85	70																	
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space									20														
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil																							
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access																							
PFAS NEMP 3.0 (2025) HIL C - Public Open Space																							
BH34_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.5	2.1	<0.1	16,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH34_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	0.79	1	<0.1	8,300	-	-	-	-	-	-	-	-	-	-	-
BH35_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.73	1	<0.1	77,700	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH35_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	4.5	6.5	1.2	770,000	-	-	-	-	-	-	-	-	-	-	-
BH36_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	2,900	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH36_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,400	-	-	-	-	-	-	-	-	-	-	-
BH37_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH37_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,700	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH38_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,600	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH38_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38_0.4-0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH38_0.9 - 1	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.886	1.2	<0.1	7,700	-	-	-	-	-	-	-	-	-	-	-
BH39_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.52	0.7	<0.1	5,500	<0.1	<0.1	<0.1	< 0..1	< 0..1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH39_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH40_0-0.15	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	<1	<2	0.09	-	-	520	-	-	-	-	-	<0.1	-	-	-	-	<0.1
BH40_0.4-0.5	30 Sep 2022	DP2022	Fill -Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH41_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.4	0.5	<0.1	3,400	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH42_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	2,500	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH42_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH43_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.4	<0.5	<0.1	3,800	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH43_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	3,000	-	-	-	-	-	-	-	-	-	-	-
BH44_0 - 0.1	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,600	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH44_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	5.5	8	0.7	89,000	-	-	-	-	-	-	-	-	-	-	-
BH45_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH45_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	3,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH46_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	2.7	3.9	0.2	30,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BD3/20220929_0	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	34	49	0.9	400,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-
BH46_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	5.4	7.9	0.2	68,000	-	-	-	-	-	-	-	-	-	-	-
BH47_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	0.5	0.7	<0.1	5,100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH47_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.59	0.8	<0.1	5,600	-	-	-	-	-	-	-	-	-	-	-
BH48_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	0.4	<0.5	<0.1	3,400	<0.1	<0.1	<0.1	<0.1	<0.1	< 0..1	<0.1	<0.1	<0.1	<0.1	-
BH48_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	1.7	2.5	<0.1	17,000	-	-	-	-	-	-	-	-	-	-	-
BH48_1-1.1	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH49_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	2,800	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH49_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Clay	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH49_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Clay	-	-	-	-	-	0.06	<0.5	<0.1	300	-	-	-	-	-	-	-	-	-	-	-
BH50_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.64	0.9	<0.1	12,000	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH50_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	<0.05	<0.5	<0.1	<50	-	-	-	-	-	-	-	-	-	-	-
BH51_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.2	1.7	<0.1	14,000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH52_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.2	<0.5	<0.1	1,200	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH52_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.09	<0.5	<0.1	300	-	-	-	-	-	-	-	-	-	-	-
BH53_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.066	<0.5	<0.1	300	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH53_0.4 - 0.5	30 Sep 2022	DP2022	Natural - Sand	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH54_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.44	0.5	<0.1	3,600	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH54_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.4	0.6	<0.1	4,000	-	-	-	-	-	-	-	-	-	-	-
BH55_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	0.3	<0.5	<0.1	2,800	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH55_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.2	<0.5	<1	-	-	1.8	2.6	< 0..1	15,000	-	-	-	-	-	-	-	-	-	-	-

TABLE B - Historical Soil Analytical Summary Table (DP 2022)
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Organophosphorus Pesticides	Polychlorinated Biphenyls	Phenols	PFAS					Asbestos		Other	
	Chlorpyrifos	Total PCB	Phenol	Perfluorooctanoic acid (PFOA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorooctanesulfonic acid (PFOS)	Sum of PFHxS and PFOS	Per- and Polyfluoroalkyl Substances (PFAS)	Total Asbestos	ACM<7mm Estimation %(w/w)*	DDT + DDD + DDE - Calc	FA and AF Estimation % (w/w)*
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	g/kg	% (w/w)	mg/kg	%
EQL	0.1	0.1	5	0.0001	0.0001	0.0001	0.0001	0.0001			0.1	
NEPM 2013 Table 1A(1) HILs Rec C Soil	250		40,000									
NEPM 2013 Table 1A(1) HILs Res B Soil	340		45,000									
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand												
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space												
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil												
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space												
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil												
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access				20	2	2	2					
PFAS NEMP 3.0 (2025) HIL C - Public Open Space				10	1	1	1					

Sample Code	Date	Lab Report Number	Matrix Type											
BH1_0.4 - 0.5	10 Oct 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH2_0.4 - 0.5	12 Oct 2022	DP2022	Fill - Silty Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH4_0.1 - 0.2	11 Oct 2022	DP2022	Fill - Sandy Gravel	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH6_0.1 - 0.2	14 Oct 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH9_0.4 - 0.5	13 Oct 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH13_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH13_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	<0.0001	<0.0001	0.0045	0.0045	0.0045	-	-	<0.1	-
BH13_QC_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH14_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BD06_0	30 Sep 2022	DP2022	Fill - Sand	NT	NT	NT	-	-	-	-	-	-	-	NT	-
BH14_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH15_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH16_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH16_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH17_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH17_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	<0.0001	<0.0001	0.0004	0.0004	0.0004	-	-	-	-
BH18_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH19_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH19_0.4 - 0.5	30 Sep 2022	DP2022	Fill- Sand	<0.1	<0.1	<5	0.0001	<0.0001	0.0004	0.0004	0.0005	-	-	<0.1	-
BH20_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	0.0003	<0.0001	0.0039	0.0039	0.0048	-	-	<0.1	-
BH20_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH21_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH21_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH22_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	0.0002	<0.0001	0.0014	0.0014	0.0016	-	-	<0.1	-
BH22_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-
BH23_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH24_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH24_0.5-0.6	30 Sep 2022	DP2022	Fill - Sandy Clay	-	-	-	0.0002	<0.0001	0.0012	0.012	0.0015	-	-	-	-
BH25_0-0.15	30 Sep 2022	DP2022	Fill - Sand	-	<0.1	<5	-	-	-	-	-	-	-	-	-
BH25_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH26_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH26_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	<0.0001	<0.0001	0.0004	0.0004	0.0004	-	-	<0.1	-
BH26_QC_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH27_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	0.0002	<0.0001	0.0014	0.0014	0.0018	-	-	<0.1	-
BH28_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	<0.1	NT	<0.1	NT
BH28_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	0.1189	0.0866	-	NT
BH29_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH30_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	<0.1	0.0285	<0.1	NT
BH30_0.3 - 0.4	30 Sep 2022	DP2022	Fill - Sand	-	-	-	0.0002	<0.0001	0.0007	0.0007	0.0009	<0.1	NT	-	NT
BH31_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH31_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH32_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH32_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	0.0002	<0.0001	0.0012	0.0012	0.0017	-	-	-	-
BH33_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BD01_0	30 Sep 2022	DP2022	Fill - Sand	NT	NT	NT	-	-	-	-	-	-	-	NT	-

TABLE B - Historical Soil Analytical Summary Table (DP 2022)
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

				Organophosphorus Pesticides	Polychlorinated Biphenyls	Phenols	PFAS					Asbestos		Other	
				Chlorpyrifos	Total PCB	Phenol	Perfluorooctanoic acid (PFOA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorooctanesulfonic acid (PFOS)	Sum of PFHxS and PFOS	Per- and Polyfluoroalkyl Substances (PFAS)	Total Asbestos	ACM<7mm Estimation %(w/w)*	DDT + DDD + DDE - Calc	FA and AF Estimation % (w/w)*
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	g/kg	% (w/w)	mg/kg	%
EQL				0.1	0.1	5	0.0001	0.0001	0.0001	0.0001	0.0001			0.1	
NEPM 2013 Table 1A(1) HILs Rec C Soil				250		40,000									
NEPM 2013 Table 1A(1) HILs Res B Soil				340		45,000									
NEPM 2013 Table 1A(3) Res A/B Soil HSL for Vapour Intrusion, Sand															
NEPM 2013 Table 1B(1-5) Site Specifc EIL - Urban Residential and Public Open Space															
NEPM 2013 Table 1B(6) ESLs for Urban Res, Coarse Soil															
CRC Care B(a)P Guidance ESL for Urban Res/Public Open Space															
NEPM 2013 Table 1B(7) Management Limits in Res / Parkland, Coarse Soil															
PFAS NEMP 3.0 (2025) HIL B - Residential with Minimal Soil Access							20	2	2	2					
PFAS NEMP 3.0 (2025) HIL C - Public Open Space							10	1	1	1					
BH34_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<55	0.0003	<0.0001	0.0016	0.0016	0.0025	-	-	<0.1	-
BH34_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH35_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	0.0007	<0.0001	0.0028	0.0028	0.0053	-	-	<0.1	-
BH35_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH36_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH36_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Sand	-	-	-	<0.0001	<0.0001	0.0005	0.0005	0.0005	-	-	-	-
BH37_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH37_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH38_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH38_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH38_0.4-0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	<0.0001	<0.0001	0.0005	0.0005	0.0005	-	-	-	-
BH38_0.9 - 1	30 Sep 2022	DP2022	Fill -Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH39_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH39_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH40_0-0.15	30 Sep 2022	DP2022	Fill -Sand	-	<0.1	<5	-	-	-	-	-	-	-	-	-
BH40_0.4-0.5	30 Sep 2022	DP2022	Fill -Sand	-	-	-	0.0002	<0.0001	0.001	0.001	0.0013	-	-	-	-
BH41_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.1	<0.1	<5	0.0004	<0.0001	0.0053	0.0053	0.0066	-	-	<0.1	-
BH42_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.1	<0.1	<5	0.0004	<0.0001	0.0027	0.0027	0.0034	-	-	<0.1	-
BH42_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH43_0 - 0.15	30 Sep 2022	DP2022	Fill -Sand	<0.1	0.2	<5	-	-	-	-	-	-	-	<0.1	-
BH43_0.4 - 0.5	30 Sep 2022	DP2022	Fill -Sand	-	-	-	0.0001	<0.0001	0.0007	0.0007	0.0008	-	-	-	-
BH44_0 - 0.1	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	<0.1	<5	0.0002	<0.0001	0.0018	0.0018	0.0021	-	-	<0.1	-
BH44_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH45_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH45_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH46_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	<0.1	<5	0.0002	<0.0001	0.0021	0.0021	0.0025	-	-	<0.1	-
BD3/20220929_0	30 Sep 2022	DP2022	Fill - Silty Sand	NT	NT	NT	-	-	-	-	-	-	-	NT	-
BH46_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH47_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH47_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH48_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH48_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH48_1-1.1	30 Sep 2022	DP2022	Fill - Sand	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	-	-
BH49_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH49_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Silty Clay	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH49_QC_0 - 0.15	30 Sep 2022	DP2022	Fill - Silty Clay	-	-	-	-	-	-	-	-	-	-	-	-
BH50_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	<0.0001	<0.0001	0.0014	0.0014	0.0014	-	-	0.2	-
BH50_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	-	-	-	-	-	-	-	-	-
BH51_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH52_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH52_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	<0.0001	<0.0001	0.0008	0.0008	0.0008	-	-	-	-
BH53_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH53_0.4 - 0.5	30 Sep 2022	DP2022	Natural - Sand	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-
BH54_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH54_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	<0.0001	<0.0001	0.0004	0.0004	0.0004	-	-	-	-
BH55_0 - 0.15	30 Sep 2022	DP2022	Fill - Sand	<0.1	<0.1	<5	-	-	-	-	-	-	-	<0.1	-
BH55_0.4 - 0.5	30 Sep 2022	DP2022	Fill - Sand	-	-	-	<0.0001	<0.0001	0.0005	0.0005	0.0005	-	-	-	-

TABLE C1 - SPOCAS and SCr Analytical Summary Table
Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

				Acid Sulfate Soils														
				KCl Extractable Sulfur	Liming Rate	Net Acidity (acidity units)	Net Acidity (sulfur units)	Peroxide Oxidisable Sulfur	pH (KCl)	Sulfur in Peroxide	Titratable Actual Acidity	Titratable Peroxide Acidity	Titratable Sulfidic Acidity	pH (Ox)	Chromium Reducible Sulfur	Chromium Reducible Sulphur	HCl Extractable Sulfur Correction Factor
				%	kg CaCO3/t	mol H+/t	%S	%	pH Unit	%	mol H+/t	mole H+/t	mole H+/t	pH Unit	%S	mol H+/t	FACTOR
EQL				0.005	1	10	0.02	0.005	0.1	0.005	2	2	2	0.1	0.005	3	1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)								0.03				18	18		0.03		
Field ID	**Date**	**Lab Report Number**	**Matrix Type**															
JBH12_5.9-6.0	19 Mar 2025	1200931	Sandy Clay	<0.005	4	54	0.09	0.01	4.5	0.01	40	20	<2	4.9	-	-	2
JBH12_5.9-6.0	19 Mar 2025	1207450	Sandy Clay	0.010	-	-	-	-	4.4	-	49	-	-	-	<0.005	<3	2.0
JBH12_6.9-7.0	19 Mar 2025	1200931	Sandy Clay	0.01	3	36	0.06	<0.005	4.7	0.01	36	9	<2	5.4	-	-	2
JBH12_7.9-8.0	19 Mar 2025	1200931	Sandy Clay	<0.005	4	50	0.08	<0.005	4.6	<0.005	50	32	<2	5	-	-	2
JBH12_7.9-8.0	19 Mar 2025	1207450	Sandy Clay	<0.005	-	-	-	-	4.5	-	49	-	-	-	<0.005	<3	2.0
JBH14_3.9-4.0	19 Mar 2025	1207450	Clayey Sand	-	-	-	-	-	4.7	-	27	-	-	-	<0.005	<3	2.0
JBH14_3.9-4.0	20 Mar 2025	1200931	Clayey Sand	0.02	3	43	0.07	0.005	4.6	0.02	40	22	<2	5	-	-	2
JBH14_4.9-5.0	20 Mar 2025	1200931	Clayey Sand	0.01	2	32	0.05	<0.005	4.7	0.02	32	15	<2	5.1	-	-	2
JBH14_5.9-6.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	4.5	-	45	-	-	-	<0.005	<3	2.0
JBH14_5.9-6.0	20 Mar 2025	1200931	Sandy Clay	0.01	3	43	0.07	<0.005	4.7	0.01	43	28	<2	5.3	-	-	2
JBH14_6.9-7.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Sandy Clay	<0.005	3	39	0.06	0.008	4.6	0.01	34	35	<2	4.5	-	-	2
JBH20_4.9-5.0	18 Mar 2025	1200931	Sandy Clay	0.02	5	68	0.11	<0.005	4.4	0.02	65	52	<2	4.7	-	-	2
JBH20_4.9-5.0	19 Mar 2025	1207450	Sandy Clay	0.020	-	-	-	-	4.4	-	63	-	-	-	<0.005	<3	2.0
JBH20_5.9-6.0	18 Mar 2025	1200931	Sandy Clay	0.01	5	66	0.11	<0.005	4.5	0.01	66	51	<2	5	-	-	2
JBH20_6.9-7.0	18 Mar 2025	1200931	Sandy Clay	0.01	6	74	0.12	0.005	4.5	0.02	71	60	<2	5.1	-	-	2
JBH20_6.9-7.0	19 Mar 2025	1207450	Sandy Clay	0.010	-	-	-	-	4.4	-	70	-	-	-	<0.005	<3	2.0
JBH20_7.9-8.0	18 Mar 2025	1200931	Sandy Clay	0.01	3	46	0.07	<0.005	4.6	0.01	46	33	<2	5.3	-	-	2
JBH20_8.9-9.0	18 Mar 2025	1200931	Sandy Clay	0.01	4	56	0.09	<0.005	4.5	0.01	56	42	<2	5	-	-	2
JBH20_8.9-9.0	19 Mar 2025	1207450	Sandy Clay	0.010	-	-	-	-	4.4	-	61	-	-	-	<0.005	<3	2.0
JBH21_4.9-5.0	18 Mar 2025	1200931	Sand	<0.005	1	<10	0.02	<0.005	5.5	<0.005	9	<2	<2	6	-	-	2
JBH21_5.9-6.0	18 Mar 2025	1200931	Sand	<0.005	1	<10	<0.02	<0.005	5.6	<0.005	9	<2	<2	5.9	-	-	2
JBH32_1.4-1.5	19 Mar 2025	1207450	Sandy Clay	0.010	-	-	-	-	4.3	-	66	-	-	-	0.007	4.5	2.0
JBH32_1.4-1.5	20 Mar 2025	1200931	Sandy Clay	0.02	6	86	0.14	0.005	4.4	0.02	79	72	<2	4.5	-	-	2
JBH32_1.9-2.0	19 Mar 2025	1207450	Sandy Clay	0.020	-	-	-	-	4.3	-	67	-	-	-	<0.005	<3	2.0
JBH32_1.9-2.0	20 Mar 2025	1200931	Sandy Clay	0.02	6	78	0.12	0.007	4.3	0.03	66	57	<2	4.6	-	-	2
JBH32_2.9-3.0	20 Mar 2025	1200931	Sandy Clay	0.01	4	54	0.09	0.006	4.5	0.02	46	35	<2	4.7	-	-	2
JBH32_4.9-5.0	19 Mar 2025	1207450	Sandy Clay	0.010	-	-	-	-	4.3	-	76	-	-	-	<0.005	<3	2.0
JBH32_4.9-5.0	20 Mar 2025	1200931	Sandy Clay	0.01	6	84	0.13	<0.005	4.4	0.01	82	70	<2	5	-	-	2
JBH32_5.9-6.0	20 Mar 2025	1200931	Sandy Clay	0.01	5	64	0.1	<0.005	4.5	0.02	61	52	<2	5	-	-	2
JBH32_7.9-8.0	20 Mar 2025	1200931	Sandy Clay	<0.005	1	15	0.02	<0.005	5.2	<0.005	15	<2	<2	6	-	-	2

TABLE C1 - SPOCAS and SCr Analytical Summary Table
Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

	Acid Sulfate Soils - Other																	
	Acid Reacted Calcium	Acid Reacted Magnesium	Acidity - Acid Reacted Calcium	Acidity - Acid Reacted Magnesium	Acidity - Peroxide Oxidisable Sulfur	ANC Fineness Factor	Calcium in Peroxide	HCl Extractable Sulfur	KCl Extractable Calcium	KCl Extractable Magnesium	Magnesium in Peroxide	Net Acid soluble sulfur	Net Acid Soluble Sulfur (in acid units)	Net Acid Soluble Sulfur (in sulfur units)	sulfidic - Acid Reacted Magnesium	sulfidic - Titratable Actual Acidity	sulfidic - Titratable Peroxide Acidity
	%	% Mg	mol H+/t	mol H+/t	mol H+/t	FACTOR	%	%S	%	%	%	%S	mol H+/t	%S	%S	%S	%S
EQL	0.005	0.005	0.005	0.005	2		0.005	0.005	0.005	0.005	0.005	0.005	2	0.005	0.005	0.003	0.02
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)																	

Field ID	Date	Lab Report Number	Matrix Type															
JBH12_5.9-6.0	19 Mar 2025	1200931	Sandy Clay	0.012	<0.005	6.1	<0.005	6.1	1.5	0.03	0.01	0.02	0.02	0.02	-	8.1	0.013	<0.005	0.06	0.03
JBH12_5.9-6.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	0.010	-	-	-	<0.005	<2	<0.005	-	0.080	-
JBH12_6.9-7.0	19 Mar 2025	1200931	Sandy Clay	<0.005	0.02	<0.005	16	<2	1.5	0.02	-	0.03	0.01	0.03	-	-	-	0.026	0.06	<0.02
JBH12_7.9-8.0	19 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.01	-	0.01	0.01	0.02	-	-	-	<0.005	0.08	0.05
JBH12_7.9-8.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	<0.005	-	-	-	0.005	2.2	<0.005	-	0.080	-
JBH14_3.9-4.0	19 Mar 2025	1207450	Clayey Sand	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	0.040	-
JBH14_3.9-4.0	20 Mar 2025	1200931	Clayey Sand	0.007	<0.005	3.4	<0.005	3.3	1.5	0.07	-	0.06	0.02	0.02	-	-	-	<0.005	0.06	0.04
JBH14_4.9-5.0	20 Mar 2025	1200931	Clayey Sand	0.006	<0.005	3.2	<0.005	<2	1.5	0.07	-	0.06	0.01	0.02	-	-	-	<0.005	0.05	0.02
JBH14_5.9-6.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	0.070	-
JBH14_5.9-6.0	20 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.02	-	0.02	0.02	0.03	-	-	-	<0.005	0.07	0.04
JBH14_6.9-7.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	5.1	1.5	0.03	-	0.02	0.03	0.03	-	-	-	<0.005	0.06	0.06
JBH20_4.9-5.0	18 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.04	0.02	0.04	0.01	0.01	-	2.9	0.005	<0.005	0.1	0.08
JBH20_4.9-5.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	0.020	-	-	-	0.007	3.2	0.005	-	0.10	-
JBH20_5.9-6.0	18 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.03	-	0.03	0.02	0.02	-	-	-	<0.005	0.11	0.08
JBH20_6.9-7.0	18 Mar 2025	1200931	Sandy Clay	<0.005	0.009	<0.005	7.2	3.4	1.5	0.02	-	0.01	0.03	0.04	-	-	-	0.012	0.11	0.1
JBH20_6.9-7.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	0.010	-	-	-	0.006	3.0	0.005	-	0.11	-
JBH20_7.9-8.0	18 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.01	-	0.01	0.04	0.05	-	-	-	<0.005	0.07	0.05
JBH20_8.9-9.0	18 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.03	-	0.03	0.03	0.04	-	-	-	<0.005	0.09	0.07
JBH20_8.9-9.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	0.010	-	-	-	0.005	2.3	<0.005	-	0.10	-
JBH21_4.9-5.0	18 Mar 2025	1200931	Sand	<0.005	0.009	<0.005	7.3	<2	1.5	0.01	-	0.01	<0.005	0.01	-	-	-	0.012	0.02	<0.02
JBH21_5.9-6.0	18 Mar 2025	1200931	Sand	<0.005	0.006	<0.005	5.2	<2	1.5	0.02	-	0.02	<0.005	0.01	-	-	-	0.008	0.01	<0.02
JBH32_1.4-1.5	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	0.020	-	-	-	0.008	3.9	0.006	-	0.11	-
JBH32_1.4-1.5	20 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	3.3	1.5	0.04	0.02	0.04	0.01	0.01	-	3.5	0.006	<0.005	0.13	0.12
JBH32_1.9-2.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	0.020	-	-	-	0.007	3.4	0.006	-	0.11	-
JBH32_1.9-2.0	20 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	4.6	1.5	0.02	0.03	0.02	0.01	0.01	-	7	0.011	<0.005	0.11	0.09
JBH32_2.9-3.0	20 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	4	1.5	0.03	0.02	0.02	0.01	0.02	-	3.4	0.005	<0.005	0.07	0.06
JBH32_4.9-5.0	19 Mar 2025	1207450	Sandy Clay	-	-	-	-	-	1.5	-	0.010	-	-	-	<0.005	<2	<0.005	-	0.12	-
JBH32_4.9-5.0	20 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.01	0.01	0.01	0.01	0.02	-	<2	<0.005	<0.005	0.13	0.11
JBH32_5.9-6.0	20 Mar 2025	1200931	Sandy Clay	<0.005	<0.005	<0.005	<0.005	<2	1.5	0.01	0.02	0.01	0.02	0.02	-	3.1	0.005	<0.005	0.1	0.08
JBH32_7.9-8.0	20 Mar 2025	1200931	Sandy Clay	0.005	0.009	2.7	7.4	<2	1.5	0.03	-	0.03	0.05	0.06	-	-	-	0.012	0.02	<0.02

TABLE C1 - SPOCAS and SCr Analytical Summary Table
Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

	NA				Particle Size		Other		
	CRS Suite - Liming Rate - NASSG (Including ANC)	CRS Suite - Net Acidity - NASSG (Including ANC)	Fraction Organic Carbon*	s-CRS Suite - Net Acidity - NASSG (Including ANC)	<2mm Fraction	>2mm Fraction	Moisture Content (dried @ 103°C)	Analysed Material	Extraneous Material
	KG CACO3/T	MOL H+/T	% W/W	% S	%	%	%	%	%
EQL	1	10	0.01	0.02	0.005	0.005	1	0.1	0.1
ASSMAC (1998) Action Criteria (Coarse >1000 tonnes disturbed)									

Field ID	Date	Lab Report Number	Matrix Type									
JBH12_5.9-6.0	19 Mar 2025	1200931	Sandy Clay	-	-	-	-	37	<0.005	8.5	100	<0.1
JBH12_5.9-6.0	19 Mar 2025	1207450	Sandy Clay	3.8	50	-	0.08	55	5.5	8.0	91	9.2
JBH12_6.9-7.0	19 Mar 2025	1200931	Sandy Clay	-	-	-	-	25	<0.005	14	100	<0.1
JBH12_7.9-8.0	19 Mar 2025	1200931	Sandy Clay	-	-	0.01	-	29	<0.005	13	100	<0.1
JBH12_7.9-8.0	19 Mar 2025	1207450	Sandy Clay	3.8	51	-	0.08	63	<0.005	12	100	<0.1
JBH14_3.9-4.0	19 Mar 2025	1207450	Clayey Sand	2.0	27	-	0.04	73	7.5	14	91	9.4
JBH14_3.9-4.0	20 Mar 2025	1200931	Clayey Sand	-	-	-	-	33	<0.005	13	100	<0.1
JBH14_4.9-5.0	20 Mar 2025	1200931	Clayey Sand	-	-	0.01	-	24	<0.005	32	100	<0.1
JBH14_5.9-6.0	19 Mar 2025	1207450	Sandy Clay	3.4	45	-	0.07	48	<0.005	22	100	<0.1
JBH14_5.9-6.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	17	<0.005	25	100	<0.1
JBH14_6.9-7.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	-	-	14	-	-
JBH14_7.9-8.0	20 Mar 2025	1200931	Sandy Clay	-	-	0.01	-	150	32	13	82	18
JBH20_4.9-5.0	18 Mar 2025	1200931	Sandy Clay	-	-	-	-	20	<0.005	18	100	<0.1
JBH20_4.9-5.0	19 Mar 2025	1207450	Sandy Clay	4.9	66	-	0.11	52	<0.005	22	100	<0.1
JBH20_5.9-6.0	18 Mar 2025	1200931	Sandy Clay	-	-	-	-	15	<0.005	25	100	<0.1
JBH20_6.9-7.0	18 Mar 2025	1200931	Sandy Clay	-	-	-	-	15	<0.005	30	100	<0.1
JBH20_6.9-7.0	19 Mar 2025	1207450	Sandy Clay	5.5	73	-	0.12	39	<0.005	33	100	<0.1
JBH20_7.9-8.0	18 Mar 2025	1200931	Sandy Clay	-	-	<0.01	-	22	<0.005	27	100	<0.1
JBH20_8.9-9.0	18 Mar 2025	1200931	Sandy Clay	-	-	<0.01	-	25	<0.005	26	100	<0.1
JBH20_8.9-9.0	19 Mar 2025	1207450	Sandy Clay	4.7	63	-	0.10	58	<0.005	26	100	<0.1
JBH21_4.9-5.0	18 Mar 2025	1200931	Sand	-	-	-	-	34	<0.005	14	100	<0.1
JBH21_5.9-6.0	18 Mar 2025	1200931	Sand	-	-	-	-	34	<0.005	9.8	100	<0.1
JBH32_1.4-1.5	19 Mar 2025	1207450	Sandy Clay	5.6	74	-	0.12	59	0.89	17	99	1.5
JBH32_1.4-1.5	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	29	<0.005	15	100	<0.1
JBH32_1.9-2.0	19 Mar 2025	1207450	Sandy Clay	5.3	71	-	0.11	77	<0.005	14	100	<0.1
JBH32_1.9-2.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	34	<0.005	15	100	<0.1
JBH32_2.9-3.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	17	<0.005	23	100	<0.1
JBH32_4.9-5.0	19 Mar 2025	1207450	Sandy Clay	5.7	76	-	0.12	60	<0.005	20	100	<0.1
JBH32_4.9-5.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	29	<0.005	20	100	<0.1
JBH32_5.9-6.0	20 Mar 2025	1200931	Sandy Clay	-	-	-	-	34	<0.005	14	100	<0.1
JBH32_7.9-8.0	20 Mar 2025	1200931	Sandy Clay	-	-	0.1	-	31	<0.005	14	100	<0.1

Table C2 - Acid Sulfate Soil Field Test Results
Project Number: 68063

Soil Sample ID	Sample Depth (m)	Date	Material Description	Time Elapsed (mins)	pH_F	pH_{FOX}	Δ pH	Reaction
JBH06	0.9-1.0	19/03/2025	Natural - SAND, yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.3	6.0	1.30	Low
				5	7.2	6.1	1.10	
				10	7.2	6.2	1.00	
				15	7.9	6.2	1.70	
JBH06	1.4-1.5	19/03/2025	Natural - SAND, yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.6	6.0	1.60	Low
				5	7.4	6.1	1.30	
				10	7.6	6.3	1.30	
				15	7.4	6.2	1.20	
JBH06	1.9-2.0	19/03/2025	Natural - SAND, yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.5	5.7	1.80	Low
				5	7.2	6.0	1.20	
				10	7.5	5.9	1.60	
				15	7.5	6.0	1.50	
JBH06	2.9-3.0	19/03/2025	Natural - SAND, light yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.5	6.1	1.40	Low
				5	7.5	6.1	1.40	
				10	7.1	6.0	1.10	
				15	7.3	6.1	1.20	
JBH06	3.9-4.0	19/03/2025	Natural - SAND, beige/ grey, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.2	6.3	0.90	Low
				5	7.2	6.2	1.00	
				10	7.1	6.0	1.10	
				15	7.1	6.0	1.10	
JBH06	4.9-5.0	19/03/2025	Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.2	5.8	1.40	Low
				5	7.4	5.9	1.50	
				10	7.2	6.0	1.20	
				15	7.2	6.0	1.20	
JBH06	5.9-6.0	19/03/2025	Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.3	5.9	1.40	Low
				5	7.4	6.0	1.40	
				10	7.3	5.9	1.40	
				15	7.4	6.1	1.30	
JBH06	6.9-7.0	19/03/2025	Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.2	6.0	1.20	Low
				5	7.3	6.1	1.20	
				10	7.2	6.2	1.00	
				15	7.3	6.1	1.20	
JBH06	7.9-8.0	19/03/2025	Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.5	5.8	1.70	Low
				5	7.5	5.9	1.60	
				10	7.5	5.9	1.60	
				15	7.4	5.9	1.50	
JBH06	8.4-8.5	19/03/2025	Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.4	5.9	1.50	Low
				5	7.4	6.0	1.40	
				10	7.2	6.0	1.20	
				15	7.3	5.9	1.40	
JBH12	0.9-1.0	20/03/2025	Natural - SAND, grey/ yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	6.1	5.1	1.00	Low
				5	6.3	4.8	1.50	
				10	6.1	4.7	1.40	
				15	6.1	4.7	1.40	
JBH12	1.4-1.5	20/03/2025	Natural - SAND, grey/ yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	6.2	5.1	1.10	Low
				5	5.9	4.8	1.10	
				10	6.0	4.6	1.40	
				15	5.8	4.6	1.20	
JBH12	1.9-2.0	20/03/2025	Natural - SAND, grey/ yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	6.4	5.3	1.10	Low
				5	5.9	5.2	0.70	
				10	5.9	5.0	0.90	
				15	5.3	5.1	0.20	
JBH12	2.9-3.0	20/03/2025	Natural - SAND, brown/ yellow, homogenous, damp, well graded, sub-angular, medium sand, loose	0	6.5	5.2	1.30	Low
				5	6.6	5.2	1.40	
				10	6.4	5.0	1.40	
				15	6.2	5.1	1.10	
JBH12	3.9-4.0	20/03/2025	Natural - SAND, brown, homogenous, damp, well graded, sub-angular, medium sand, loose	0	6.5	5.2	1.30	Low
				5	6.4	5.2	1.20	
				10	6.1	5.1	1.00	
				15	6.3	5.0	1.30	
JBH12	4.9-5.0	20/03/2025	Natural - SAND, brown, homogenous, damp, well graded, sub-angular, medium sand, loose	0	6.4	4.8	1.60	Low
				5	6.2	4.7	1.50	
				10	6.2	4.8	1.40	
				15	6.0	4.6	1.40	
JBH12	5.9-6.0	20/03/2025	Natural - Sandy CLAY, pink/ brown, homogenous, damp, low plasticity, soft	0	5.0	3.8	1.20	Low
				5	5.1	3.9	1.20	
				10	5.0	3.9	1.10	
				15	5.0	3.8	1.20	
JBH12	6.9-7.0	20/03/2025	Natural - Sandy CLAY, pink/ brown, homogenous, damp, low plasticity, soft	0	5.7	4.1	1.60	Low
				5	5.2	3.4	1.80	
				10	5.0	3.1	1.90	
				15	5.3	3.4	1.90	

Table C2 - Acid Sulfate Soil Field Test Results
Project Number: 68063

Soil Sample ID	Sample Depth (m)	Date	Material Description	Time Elapsed (mins)	pH_F	pH_{FOX}	Δ pH	Reaction
JBH12	7.9-8.0	20/03/2025	Natural - Sandy CLAY, pink/ brown, homogenous, damp, low plasticity, soft	0	5.5	3.9	1.60	Low
				5	4.6	3.6	1.00	
				10	4.7	3.4	1.30	
				15	4.2	3.5	0.70	
JBH14	2.9-3.0	20/03/2025	Natural - Clayey SAND, brown/ purple, homogenous, damp, well graded, sub-angular, medium sand, loose	0	7.0	6.1	0.90	Low
				5	7.0	6.0	1.00	
				10	7.1	5.9	1.20	
				15	7.2	6.0	1.20	
JBH14	3.9-4.0	20/03/2025	Natural - Clayey SAND, red/ purple, homogenous, damp, well graded, sub-angular, medium sand, loose	0	6.6	4.2	2.40	Low
				5	5.7	4.7	1.00	
				10	7.0	4.3	2.70	
				15	6.8	4.2	2.60	
JBH14	4.9-5.0	20/03/2025	Natural - Clayey SAND, red/ purple, homogenous, damp, low plasticity, soft	0	5.5	5.0	0.50	Low
				5	5.3	5.1	0.20	
				10	5.2	4.8	0.40	
				15	5.1	4.6	0.50	
JBH14	5.9-6.0	20/03/2025	Natural - Sandy CLAY, grey/ purple/ pink, homogenous, damp, well graded, sub-angular, medium sand, loose	0	5.9	3.7	2.20	Low
				5	5.6	3.8	1.80	
				10	4.9	3.8	1.10	
				15	4.9	3.9	1.00	
JBH14	6.9-7.0	20/03/2025	Natural - Sandy CLAY, grey/ purple/ pink, homogenous, damp, well graded, sub-angular, medium sand, loose	0	5.3	4.3	1.00	Low
				5	5.9	4.2	1.70	
				10	4.9	4.0	0.90	
				15	4.7	4.0	0.70	
JBH14	7.9-8.0	20/03/2025	Natural - Sandy CLAY, grey/ purple/ pink, homogenous, damp, well graded, sub-angular, medium sand, loose	0	5.2	3.7	1.50	Low
				5	5.0	3.6	1.40	
				10	4.9	3.5	1.40	
				15	4.8	3.6	1.20	
JBH20	2.9-3.0	18/03/2025	Natural - SAND, orange/ yellow, homogenous, damp, poorly graded, sub-angular, medium sand, loose	0	7.1	6.0	1.10	Low
				5	7.4	6.1	1.30	
				10	7.2	6.0	1.20	
				15	7.1	6.0	1.10	
JBH20	3.9-4.0	18/03/2025	Natural - Clayey SAND, light yellow/ grey, homogenous, damp, poorly graded, medium sand, medium dense	0	7.4	6.2	1.20	Low
				5	7.3	5.8	1.50	
				10	7.3	5.7	1.60	
				15	7.1	5.8	1.30	
JBH20	4.9-5.0	18/03/2025	Natural - Sandy CLAY, purple/ grey, homogenous, damp, low plasticity, firm	0	6.5	5.5	1.00	Low
				5	6.5	4.4	2.10	
				10	6.3	4.2	2.10	
				15	6.0	4.1	1.90	
JBH20	5.9-6.0	18/03/2025	Natural - Sandy CLAY, purple/ grey, homogenous, damp, low plasticity, firm	0	6.5	5.4	1.10	Low
				5	5.4	4.6	0.80	
				10	5.6	4.4	1.20	
				15	5.0	4.2	0.80	
JBH20	6.9-7.0	18/03/2025	Natural - Sandy CLAY, purple/ grey, homogenous, damp, low plasticity, firm	0	6.5	5.4	1.10	Low
				5	5.1	4.8	0.30	
				10	5.2	4.7	0.50	
				15	5.0	4.5	0.50	
JBH20	7.9-8.0	18/03/2025	Natural - Sandy CLAY, purple/ grey, homogenous, damp, low plasticity, firm	0	7.0	5.2	1.80	Low
				5	6.4	4.8	1.60	
				10	6.2	5.0	1.20	
				15	6.2	4.8	1.40	
JBH20	8.9-9.0	18/03/2025	Natural - Sandy CLAY, purple/ grey, homogenous, damp, low plasticity, firm	0	7.1	5.9	1.20	Low
				5	6.0	4.7	1.30	
				10	6.1	5.0	1.10	
				15	6.0	5.1	0.90	
JBH21	2.9-3.0	18/03/2025	Natural - SAND, white, homogenous, dry, poorly graded, sub-angular, medium sand, loose	0	7.2	6.0	1.20	Low
				5	6.8	5.9	0.90	
				10	6.7	6.0	0.70	
				15	6.8	6.0	0.80	
JBH21	3.9-4.0	18/03/2025	Natural - SAND, white, homogenous, dry, poorly graded, sub-angular, medium sand, loose	0	7.1	6.3	0.80	Low
				5	7.2	6.3	0.90	
				10	7.2	6.3	0.90	
				15	6.9	6.3	0.60	
JBH21	4.9-5.0	18/03/2025	Natural - SAND, white, homogenous, damp, poorly graded, sub-angular, medium sand, loose	0	7.5	6.3	1.20	Low
				5	7.4	6.4	1.00	
				10	7.3	6.3	1.00	
				15	7.2	6.4	0.80	
JBH21	5.9-6.0	18/03/2025	Natural - SAND, brown, homogenous, wet, poorly graded, sub-angular, medium sand, loose	0	7.5	6.5	1.00	Low
				5	7.4	6.5	0.90	
				10	7.3	6.3	1.00	
				15	7.3	6.4	0.90	

Table C2 - Acid Sulfate Soil Field Test Results
Project Number: 68063

Soil Sample ID	Sample Depth (m)	Date	Material Description	Time Elapsed (mins)	pH_F	pH_{FOX}	Δ pH	Reaction
JBH21	6.9-7.0	18/03/2025	Natural - SAND, brown, homogenous, wet, poorly graded, sub-angular, medium sand, loose	0	7.5	6.5	1.00	Low
				5	7.3	6.5	0.80	
				10	7.3	6.4	0.90	
				15	7.3	6.3	1.00	
JBH21	7.9-8.0	18/03/2025	Natural - SAND, brown, homogenous, saturated, poorly graded, sub-angular, medium sand, loose	0	7.3	6.0	1.30	Low
				5	7.4	6.1	1.30	
				10	7.0	6.1	0.90	
				15	7.2	6.1	1.10	
JBH21	8.2-8.3	18/03/2025	Natural - Sandy CLAY, grey, homogenous, very wet, high plasticity, firm	0	7.4	6.0	1.40	Low
				5	7.3	5.8	1.50	
				10	7.3	5.7	1.60	
				15	6.7	5.5	1.20	
BH32	1.4-1.5	20/03/2025	Natural - Sandy CLAY, brown/ black, homogenous, damp, low plasticity, firm	0	4.9	3.9	1.00	Low
				5	5.0	3.7	1.30	
				10	4.7	3.6	1.10	
				15	5.0	3.6	1.40	
BH32	1.9-2.0	20/03/2025	Natural - Sandy CLAY, brown/ grey/ red/ pink, homogenous, damp, low plasticity, firm	0	4.9	3.7	1.20	Low
				5	4.6	3.5	1.10	
				10	4.5	3.4	1.10	
				15	4.5	3.5	1.00	
BH32	2.9-3.0	20/03/2025	Natural - Sandy CLAY, bright red, homogenous, damp, medium plasticity, soft	0	5.5	4.3	1.20	Low
				5	4.8	4.0	0.80	
				10	4.7	3.9	0.80	
				15	4.6	3.9	0.70	
BH32	3.9-4.0	20/03/2025	Natural - Sandy CLAY, grey/ red, homogenous, damp, low plasticity, stiff	0	5.1	4.3	0.80	Low
				5	4.9	4.3	0.60	
				10	4.6	4.2	0.40	
				15	4.6	4.0	0.60	
BH32	4.9-5.0	20/03/2025	Natural - Sandy CLAY, beige/ white/ grey, homogenous, damp, low plasticity, stiff, inclusions of trace ironstone	0	5.1	4.2	0.90	Low
				5	5.0	4.1	0.90	
				10	4.8	4.1	0.70	
				15	4.8	4.0	0.80	
BH32	5.9-6.0	20/03/2025	Natural - Sandy CLAY, beige/ white/ grey, homogenous, damp, low plasticity, stiff, inclusions of trace ironstone	0	5.3	4.1	1.20	Low
				5	5.2	4.0	1.20	
				10	4.8	4.0	0.80	
				15	5.0	3.9	1.10	
BH32	6.9-7.0	20/03/2025	Natural - Sandy CLAY, beige/ white/ grey, homogenous, damp, low plasticity, stiff, inclusions of trace ironstone	0	5.7	5.2	0.50	Low
				5	5.5	4.7	0.80	
				10	5.2	4.4	0.80	
				15	5.5	4.4	1.10	
BH32	7.9-8.0	20/03/2025	Natural - Sandy CLAY, beige/ white/ grey, homogenous, damp, low plasticity, stiff, inclusions of trace ironstone	0	6.3	3.7	2.60	Low
				5	6.0	3.9	2.10	
				10	5.5	4.0	1.50	
				15	5.8	4.0	1.80	

Table D1 - TCLP Analytical Summary Results
Project Number: 68063
Project Name: 68063_Stockland_Waterloo South

				Metals & Metalloids								PAH																Ionic Balance			
				Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	pH of Leaching Fluid	pH (after HCl)	pH (Final)	pH (Initial)
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH Units	pH Units	pH Units	pH Units
EQL				0.01	0.005	0.05	0.05	0.01	0.001	0.01	0.05	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1	0.1
NSW 2014 General Solid Waste TCLP1 (leached)				5	1	5		5	0.2	2						0.04															
NSW 2014 Restricted Solid Waste TCLP2 (leached)				20	4	20		20	0.8	8						0.16															
Field ID	**Date**	**Lab Report Number**	**Material Type**																												
20250320QC_02	19 Mar 2025	1208398	Fill - Silty Sand	0.02	0.007	<0.05	<0.05	1.6	<0.001	0.01	3.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	1.4	4.7	7.6
JBH05_0-0.1	19 Mar 2025	1208398	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	1.3	4.8	7.0
JBH06_0.4-0.5	19 Mar 2025	1208398	Fill - Silty Sand	<0.01	<0.005	<0.05	<0.05	0.61	<0.001	0.02	0.73	<0.001	<0.001	<0.001	0.002	0.002	<0.001	0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	-	1.3	4.9	8.9
JBH25_0.2-0.3	19 Mar 2025	1208398	Fill - Gravelly Sand	<0.01	2.8	<0.05	13	1.3	<0.001	4.7	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	4.9	8.7
JBH26_0.2-0.3	19 Mar 2025	1208398	Fill - Sandy Clay	<0.01	0.078	<0.05	0.33	1.2	<0.001	0.18	11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	1.5	5.0	9.1
JBH04_0.2-0.3	19 Mar 2025	1208398	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	1.4	4.8	8.0

Table D2 - ASLP Analytical Summary Table
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

	Metals & Metalloids								PAH																Ionic Balance		
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[b+j]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	pH of Leaching Fluid	pH (after HCL)	pH (Final)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pH Units	pH Units	pH Units
EQL	0.01	0.005	0.05	0.05	0.01	0.001	0.01	0.05	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1
ANZECC 2000 Recreational water quality and aesthetics	0.05	0.005	0.05	1	0.05	0.001	0.1	5					0.00001														
ANZG (2018) Marine water 95% toxicant DGVs	0.013*	0.0055	0.0044	0.0013	0.0044	0.0004	0.07	0.008			0.0004		0.0002						0.0014			0.07	0.002				
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																											
Field ID	**Date**	**Lab Report Number**	**Matrix Type**																								
20250320QC_02 (duplicate of JBH32_0.2-0.3)	19 Mar 2025	1208398	Fill - Silty Sand	0.03	<0.005	<0.05	0.11	2.5	<0.001	0.01	1.6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	5.8	-	7.2
JBH05_0-0.1	19 Mar 2025	1208398	Fill - Silty Sand	-	-	-	-	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	5.8	-	8.1
JBH06_0.4-0.5	19 Mar 2025	1208398	Fill - Silty Sand	<0.01	<0.005	<0.05	<0.05	0.15	<0.001	<0.01	0.18	<0.001	<0.001	<0.001	0.001	0.002	0.002	0.002	0.002	0.002	<0.001	0.002	<0.001	0.001	<0.001	<0.001	0.003	5.8	-	10
JBH25_0.2-0.3	19 Mar 2025	1208398	Fill - Gravelly Sand	<0.01	0.039	<0.05	0.31	0.23	<0.001	0.06	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	8.4
JBH26_0.2-0.3	19 Mar 2025	1208398	Fill - Sandy Clay	<0.01	0.018	<0.05	0.37	0.63	<0.001	0.08	0.63	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	5.8	-	8.8

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table D2 - ASLP Analytical Summary Table
Project Number: 68063 Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

		pH (Initial)
EQL		pH Units
ANZECC 2000 Recreational water quality and aesthetics		0.1
ANZG (2018) Marine water 95% toxicant DGVs		
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand		

Field ID	Date	Lab Report Number	Matrix Type	
20250320QC_02 (duplicate of JBH32_0.2-0.3)	19 Mar 2025	1208398	Fill - Silty Sand	7.8
JBH05_0-0.1	19 Mar 2025	1208398	Fill - Silty Sand	7.9
JBH06_0.4-0.5	19 Mar 2025	1208398	Fill - Silty Sand	8.9
JBH25_0.2-0.3	19 Mar 2025	1208398	Fill - Gravelly Sand	8.7
JBH26_0.2-0.3	19 Mar 2025	1208398	Fill - Sandy Clay	8.8

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

			Metals & Metalloids								TPHs (NEPC 1999)					TPHs (NEPC 1999) - Silica Gel			TRHs (NEPC 2013)						
			Arsenic (filtered)	Cadmium (filtered)	Chromium (III+VI) (filtered)	Copper (filtered)	Lead (filtered)	Mercury (filtered)	Nickel (filtered)	Zinc (filtered)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.001	0.0001	0.001	0.001	0.001	0.00005	0.001	0.001	0.01	0.05	0.1	0.1	0.05				0.01	0.05	0.1	0.1	0.05	0.02	0.05
ADWG (2011) Health x 10 (Recreational) - Updated March-2021			0.1	0.02	0.5	20	0.1	0.01	0.2																
ANZG (2018) Marine water 95% toxicant DGVs			0.013*	0.0055	0.0044	0.0013	0.0044	0.0004	0.07	0.008															
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																								1	1
PFAS NEMP 3.0 (2025) Interim marine 95% species protection																									
PFAS NEMP 3.0 (2025) Interim marine 99% species protection																									
PFAS NEMP 3.0 (2025) Recreational Water																									
Field ID	**Date**	**Lab Report Number**																							
DP 2022b																									
BH2 / MW2	25 Oct 2022	DP2022	0.001	<0.0001	<0.001	<0.001	<0.001	<0.00005	0.025	0.007	-	<0.05	0.14	<0.1	-	0.079	<0.1	<0.1	-	-	0.12	<0.1	-	<10	0.057
BH4 / MW4	25 Oct 2022	DP2022	<0.001	0.0002	<0.001	0.013	<0.001	<0.00005	0.021	0.16	-	<0.05	<0.1	<0.1	-	-	-	-	-	-	<0.1	<0.1	-	<10	<0.05
BD1/20221025	25 Oct 2022	DP2022	<0.001	0.0002	<0.001	0.003	<0.001	<0.00005	0.021	0.16	-	<0.05	<0.1	<0.1	-	-	-	-	-	-	<0.1	<0.1	-	<10	<0.05
BH7 / MW7	25 Oct 2022	DP2022	<0.001	<0.0001	<0.001	0.011	<0.001	<0.00005	0.011	0.08	-	0.3	14	1.1	-	0.21	0.59	0.1	-	-	12	0.19	-	0.049	1.5
BH10 / MW10	25 Oct 2022	DP2022	0.004	<0.0001	<0.001	<0.001	<0.001	<0.00005	0.012	0.038	-	<0.05	<0.1	<0.1	-	-	-	-	-	-	<0.1	<0.1	-	<10	<0.05
BH12 / MW12	25 Oct 2022	DP2022	0.002	<0.0001	<0.001	0.002	<0.001	<0.00005	0.012	0.008	-	<0.05	<0.1	<0.1	-	-	-	-	-	-	<0.1	<0.1	-	<10	0.051
JBS&G 2025																									
MW01	08 Apr 2025	1208047	0.002	<0.0002	<0.001	0.002	<0.001	<0.0001	0.077	0.057	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW02	08 Apr 2025	1208047	0.003	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.072	0.006	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW04	08 Apr 2025	1208047	<0.001	0.0002	<0.001	0.004	0.003	<0.0001	0.074	0.19	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW105	08 Apr 2025	1208047	0.004	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.013	0.017	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW108	08 Apr 2025	1208047	<0.001	<0.0002	<0.001	0.002	<0.001	<0.0001	0.075	0.055	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW110	08 Apr 2025	1208047	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.044	0.014	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
QA10250407	07 Apr 2025	377597	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.00005	0.052	0.016	0.017	<0.05	<0.1	<0.1	<0.05	-	-	-	0.017	<0.05	<0.1	<0.1	<0.05	-	-
QC_20250407	08 Apr 2025	1208047	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.043	0.015	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW111	08 Apr 2025	1208047	<0.001	0.0002	<0.001	0.001	<0.001	<0.0001	0.022	0.044	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW115	08 Apr 2025	1208047	0.003	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.041	0.025	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW121	08 Apr 2025	1208047	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.0001	0.059	0.043	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05
MW124	08 Apr 2025	1208047	<0.001	<0.0002	<0.001	0.001	<0.001	<0.0001	0.032	0.006	<0.02	<0.05	<0.1	<0.1	<0.1	-	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
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				TRHs (NEPC 2013) - Silica Gel			BTEXN						
				>C10-C16 Fraction (SG)	>C16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL							0.001	0.001	0.001	0.001	0.002	0.003	0.01
ADWG (2011) Health x 10 (Recreational) - Updated March-2021							0.01	8	3	6	6	6	
ANZG (2018) Marine water 95% toxicant DGVs							0.7	0.18	0.08		0.075		0.07
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand							0.8						
PFAS NEMP 3.0 (2025) Interim marine 95% species protection													
PFAS NEMP 3.0 (2025) Interim marine 99% species protection													
PFAS NEMP 3.0 (2025) Recreational Water													
Field ID	**Date**	**Lab Report Number**											
DP 2022b													
BH2 / MW2	25 Oct 2022	DP2022		0.069	<0.1	<0.1	<0.001	0.001	<0.001	<0.001	<0.002	-	-
BH4 / MW4	25 Oct 2022	DP2022		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
BD1/20221025	25 Oct 2022	DP2022		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
BH7 / MW7	25 Oct 2022	DP2022		0.38	0.49	<0.1	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
BH10 / MW10	25 Oct 2022	DP2022		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
BH12 / MW12	25 Oct 2022	DP2022		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
JBS&G 2025													
MW01	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW02	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW04	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW105	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW108	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW110	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
QA10250407	07 Apr 2025	377597		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	-	-
QC_20250407	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW111	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW115	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW121	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW124	08 Apr 2025	1208047		-	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
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			PAH																		
			PAHs (Sum of positives)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ	Benzo(b+j)fluoranthene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
			µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.1	0.00001	0.00001	0.00001	0.00001	0.00001	0.0005	0.00001	0.0002	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
ADWG (2011) Health x 10 (Recreational) - Updated March-2021								0.0001														
ANZG (2018) Marine water 95% toxicant DGVs						0.0004		0.0002								0.0014			0.07	0.002		
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																						
PFAS NEMP 3.0 (2025) Interim marine 95% species protection																						
PFAS NEMP 3.0 (2025) Interim marine 99% species protection																						
PFAS NEMP 3.0 (2025) Recreational Water																						
Field ID	**Date**	**Lab Report Number**																				
DP 2022b																						
BH2 / MW2	25 Oct 2022	DP2022	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	<0.0001	-	-	<0.0002	<0.0001	-	<0.1
BH4 / MW4	25 Oct 2022	DP2022	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	<0.0001	-	-	<0.0002	<0.0001	-	<0.1
BD1/20221025	25 Oct 2022	DP2022	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	<0.0001	-	-	<0.0002	<0.0001	-	<0.1
BH7 / MW7	25 Oct 2022	DP2022	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	<0.0001	-	-	<0.0002	<0.0001	-	<0.1
BH10 / MW10	25 Oct 2022	DP2022	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	<0.0001	-	-	<0.0002	<0.0001	-	<0.1
BH12 / MW12	25 Oct 2022	DP2022	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	<0.0001	-	-	<0.0002	<0.0001	-	<0.1
JBS&G 2025																						
MW01	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW02	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW04	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0030	<0.00001	<0.00001	0.003
MW105	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW108	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW110	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0010	<0.00001	<0.00001	0.001
QA10250407	07 Apr 2025	377597	<0.1	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	<0.0002	<0.0001	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
QC_20250407	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW111	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW115	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW121	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MW124	08 Apr 2025	1208047	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-	<0.00001	-	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
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			Chlorinated Alkanes																	
			1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005
ADWG (2011) Health x 10 (Recreational) - Updated March-2021										0.03					0.03				0.04	
ANZG (2018) Marine water 95% toxicant DGVs				0.27	0.4	1.9				1.9	0.9	1.1			0.24				4	
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																				
PFAS NEMP 3.0 (2025) Interim marine 95% species protection																				
PFAS NEMP 3.0 (2025) Interim marine 99% species protection																				
PFAS NEMP 3.0 (2025) Recreational Water																				
Field ID	**Date**	**Lab Report Number**																		
DP 2022b																				
BH2 / MW2	25 Oct 2022	DP2022	-	-	-	-	<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-	-
BH4 / MW4	25 Oct 2022	DP2022	-	-	-	-	<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-	-
BD1/20221025	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7 / MW7	25 Oct 2022	DP2022	-	-	-	-	<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-	-
BH10 / MW10	25 Oct 2022	DP2022	-	-	-	-	<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-	-
BH12 / MW12	25 Oct 2022	DP2022	-	-	-	-	<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-	-
JBS&G 2025																				
MW01	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW02	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW04	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW105	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW108	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW110	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
QA10250407	07 Apr 2025	377597	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	-	<0.01
QC_20250407	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW111	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW115	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW121	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005
MW124	08 Apr 2025	1208047	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

			Chlorinated Alkenes												Solvents	PFAS											
			Vinyl Chloride	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Acetone	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.002	0.001	0.0004	0.0004	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005
ADWG (2011) Health x 10 (Recreational) - Updated March-2021			0.003	0.3					0.6		0.5	0.6																
ANZG (2018) Marine water 95% toxicant DGVs			0.1	0.7							0.07			0.33														
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																												
PFAS NEMP 3.0 (2025) Interim marine 95% species protection																				220								
PFAS NEMP 3.0 (2025) Interim marine 99% species protection																				19								
PFAS NEMP 3.0 (2025) Recreational Water																				10								
Field ID	**Date**	**Lab Report Number**																										
DP 2022b																												
BH2 / MW2	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	<0.001	-	-	<0.001	-	-	-	-	-	0.0024	-	-	-	-	-	-	-	-
BH4 / MW4	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	<0.001	-	-	<0.001	-	-	-	-	-	0.0087	-	-	-	-	-	-	-	-
BD1/20221025	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7 / MW7	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	<0.001	-	-	<0.001	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-
BH10 / MW10	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	<0.001	-	-	<0.001	-	-	-	-	-	0.0007	-	-	-	-	-	-	-	-
BH12 / MW12	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	<0.001	-	-	<0.001	-	-	-	-	-	0.0058	-	-	-	-	-	-	-	-
JBS&G 2025																												
MW01	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.002	0.002	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW02	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.28	0.007	0.009	0.013	0.003	0.012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW04	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.006	0.008	0.017	0.006	0.014	0.048	0.004	0.013	<0.001	<0.001	<0.001	<0.001	<0.005
MW105	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW108	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.007	0.006	0.004	0.003	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW110	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.008	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
QA10250407	07 Apr 2025	377597	<0.01	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.02	0.002	0.002	0.0006	0.001	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05	<0.01
QC_20250407	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.009	0.002	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW111	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.002	0.003	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW115	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW121	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.007	0.007	0.004	0.010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW124	08 Apr 2025	1208047	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.016	0.026	0.024	0.010	0.017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

			N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-MethylperfluorooctanesulfonamidoethanoI (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)
			µg/L	µg/L	µg/L	µg/L	µg/L
EQL			0.005	0.005	0.005	0.005	0.002
ADWG (2011) Health x 10 (Recreational) - Updated March-2021							
ANZG (2018) Marine water 95% toxicant DGVs							
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand							
PFAS NEMP 3.0 (2025) Interim marine 95% species protection							
PFAS NEMP 3.0 (2025) Interim marine 99% species protection							
PFAS NEMP 3.0 (2025) Recreational Water							
Field ID	**Date**	**Lab Report Number**					
DP 2022b							
BH2 / MW2	25 Oct 2022	DP2022	-	-	-	-	-
BH4 / MW4	25 Oct 2022	DP2022	-	-	-	-	-
BD1/20221025	25 Oct 2022	DP2022	-	-	-	-	-
BH7 / MW7	25 Oct 2022	DP2022	-	-	-	-	-
BH10 / MW10	25 Oct 2022	DP2022	-	-	-	-	-
BH12 / MW12	25 Oct 2022	DP2022	-	-	-	-	-
JBS&G 2025							
MW01	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW02	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW04	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW105	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW108	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW110	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
QA10250407	07 Apr 2025	377597	<0.05	<0.1	<0.05	<0.5	<0.002
QC_20250407	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW111	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW115	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW121	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005
MW124	08 Apr 2025	1208047	<0.005	<0.005	<0.005	<0.005	<0.005

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

			PFAS																		
			N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	Perfluorononanesulfonic acid ion	Per- and Polyfluoroalkyl Substances (PFAS)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L	
EQL			0.002	0.001	0.0004	0.001	0.0002	0.001	0.0001	0.001	0.001	0.0004	0.0004	0.001	0.0002	0.001	0.0002	0.005	0.0002	0.001	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021																					
ANZG (2018) Marine water 95% toxicant DGVs																					
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																					
PFAS NEMP 3.0 (2025) Interim marine 95% species protection									0.13												
PFAS NEMP 3.0 (2025) Interim marine 99% species protection									0.00023												
PFAS NEMP 3.0 (2025) Recreational Water							2		2						2						
Field ID	**Date**	**Lab Report Number**																			
DP 2022b																					
BH2 / MW2	25 Oct 2022	DP2022	-	-	-	-	0.0039	-	0.002	-	-	-	-	-	0.0057	-	-	-	-	-	0.013
BH4 / MW4	25 Oct 2022	DP2022	-	-	-	-	0.034	-	0.054	-	-	-	-	-	0.087	-	-	-	-	-	0.15
BD1/20221025	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7 / MW7	25 Oct 2022	DP2022	-	-	-	-	0.0005	-	0.0025	-	-	-	-	-	0.003	-	-	-	-	-	0.0098
BH10 / MW10	25 Oct 2022	DP2022	-	-	-	-	0.001	-	0.0021	-	-	-	-	-	0.0033	-	-	-	-	-	0.0062
BH12 / MW12	25 Oct 2022	DP2022	-	-	-	-	0.0062	-	0.021	-	-	-	-	-	0.027	-	-	-	-	-	0.062
JBS&G 2025																					
MW01	08 Apr 2025	1208047	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0016	<0.001	<0.001	<0.005	<0.001	<0.001	0.0016	0.0036	0.0036	0.0076	0.0076	<0.001	-
MW02	08 Apr 2025	1208047	<0.005	0.001	0.008	0.003	0.022	<0.001	0.010	<0.001	<0.001	0.008	<0.001	<0.001	0.032	0.044	0.022	0.092	0.096	<0.001	-
MW04	08 Apr 2025	1208047	<0.005	0.001	0.012	0.011	0.12	0.011	0.55	<0.001	<0.001	<0.005	<0.001	<0.001	0.67	0.684	0.564	0.733	0.824	0.003	-
MW105	08 Apr 2025	1208047	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0003	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001	-
MW108	08 Apr 2025	1208047	<0.005	<0.001	0.007	<0.001	0.005	<0.001	0.0042	<0.001	<0.001	<0.005	<0.001	<0.001	0.0092	0.0132	0.0082	0.0402	0.0402	<0.001	-
MW110	08 Apr 2025	1208047	<0.005	<0.001	<0.001	<0.001	0.002	<0.001	0.011	<0.001	<0.001	<0.005	<0.001	<0.001	0.013	0.013	0.011	0.024	0.024	<0.001	-
QA10250407	07 Apr 2025	377597	<0.002	-	0.0006	<0.001	0.0026	<0.001	0.024	<0.002	<0.001	<0.0004	<0.0004	<0.002	0.027	-	0.025	-	0.034	-	-
QC_20250407	08 Apr 2025	1208047	<0.005	<0.001	<0.001	<0.001	0.003	<0.001	0.015	<0.001	<0.001	<0.005	<0.001	<0.001	0.018	0.019	0.016	0.03	0.03	<0.001	-
MW111	08 Apr 2025	1208047	<0.005	<0.001	0.001	<0.001	0.003	<0.001	0.0079	<0.001	<0.001	<0.005	<0.001	<0.001	0.0109	0.0129	0.0099	0.0199	0.0199	<0.001	-
MW115	08 Apr 2025	1208047	<0.005	0.001	0.003	0.001	0.004	<0.001	0.012	<0.001	<0.001	<0.005	<0.001	<0.001	0.016	0.016	0.012	0.024	0.026	<0.001	-
MW121	08 Apr 2025	1208047	<0.005	<0.001	0.003	<0.001	0.008	<0.001	0.013	<0.001	<0.001	<0.005	<0.001	<0.001	0.021	0.031	0.023	0.052	0.052	<0.001	-
MW124	08 Apr 2025	1208047	<0.005	<0.001	0.033	<0.001	0.011	<0.001	0.013	<0.001	<0.001	<0.005	<0.001	<0.001	0.024	0.041	0.03	0.15	0.15	<0.001	-

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
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			MAH										Miscellaneous Hydrocarbons						
			1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.005	0.005
ADWG (2011) Health x 10 (Recreational) - Updated March-2021									0.3					0.01	0.01					
ANZG (2018) Marine water 95% toxicant DGVs													0.03							
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																				
PFAS NEMP 3.0 (2025) Interim marine 95% species protection																				
PFAS NEMP 3.0 (2025) Interim marine 99% species protection																				
PFAS NEMP 3.0 (2025) Recreational Water																				
Field ID	**Date**	**Lab Report Number**																		
DP 2022b																				
BH2 / MW2	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4 / MW4	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20221025	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7 / MW7	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10 / MW10	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12 / MW12	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JBS&G 2025																				
MW01	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW02	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW04	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW105	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW108	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW110	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
QA10250407	07 Apr 2025	377597	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.01	0.002	<0.001	-	-	-
QC_20250407	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW111	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW115	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW121	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005
MW124	08 Apr 2025	1208047	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005

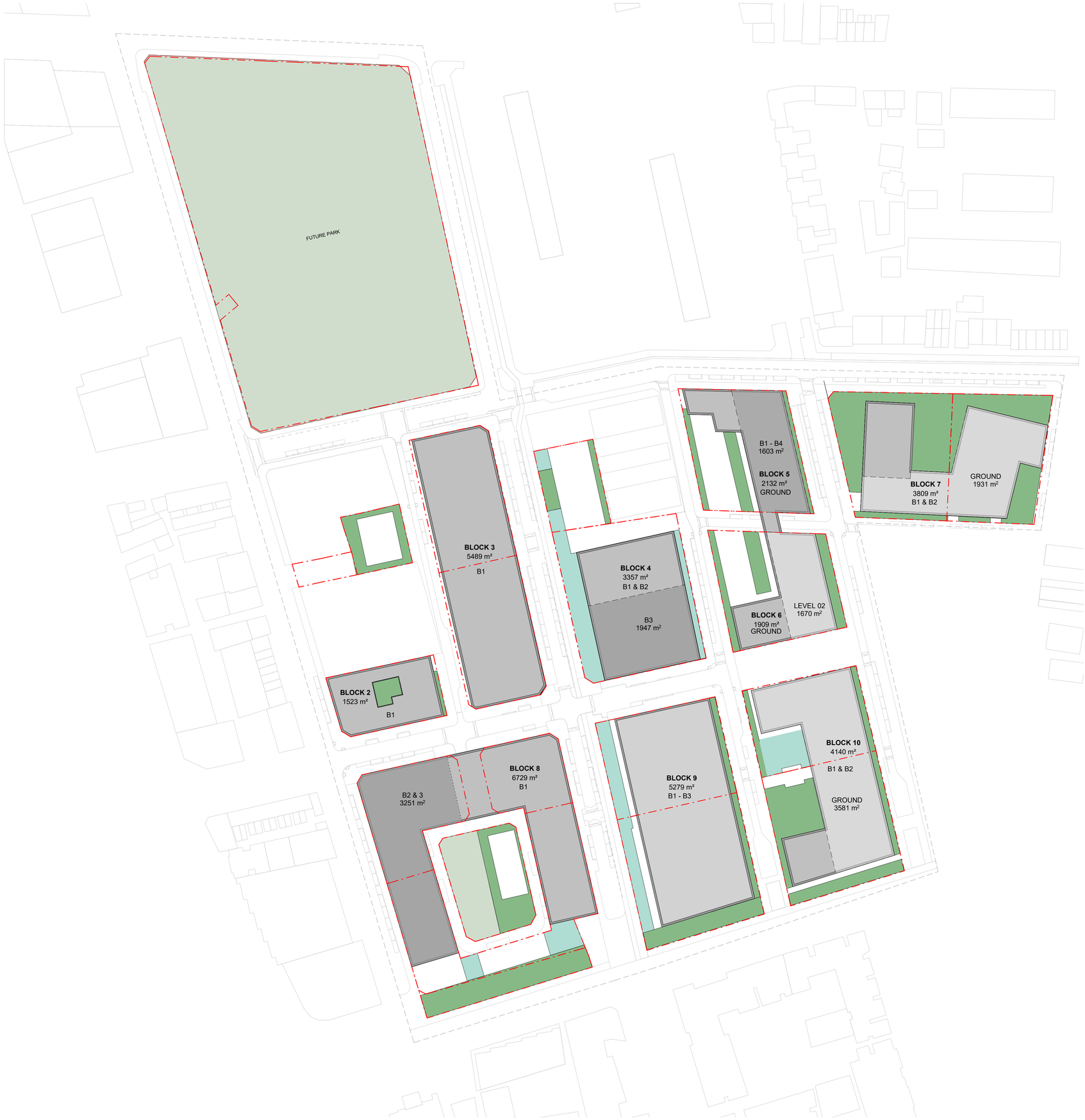
*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Table E - Groundwater Analytical Data Summary
Project Number: 68063
Project Name: 68063_Stockland_Waterloo South , Waterloo Redevelopment Precinct , Stockland

			Chlorinated Benzenes						Trihalomethanes				Organic Sulfur Compounds	Major Cations				Ionic Balance			
			1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Carbon disulfide	Calcium	Calcium (filtered)	Magnesium	Magnesium (filtered)	Electrical Conductivity (Lab)	Hardness	Hardness as CaCO3	pH (Lab)
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	mgCaCO 3/L	mg/L	pH Units
EQL			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.5	0.5	0.5	0.5	10		1	0.1
ADWG (2011) Health x 10 (Recreational) - Updated March-2021					15		0.4	3													
ANZG (2018) Marine water 95% toxicant DGVs				0.08				0.055		0.77											
NEPM 2013 Table 1A(4) Res HSL A/B GW for Vapour Intrusion, Sand																					
PFAS NEMP 3.0 (2025) Interim marine 95% species protection																					
PFAS NEMP 3.0 (2025) Interim marine 99% species protection																					
PFAS NEMP 3.0 (2025) Recreational Water																					
Field ID	**Date**	**Lab Report Number**																			
DP 2022b																					
BH2 / MW2	25 Oct 2022	DP2022	-	-	-	-	-	-	-	<0.001	-	-	-	28	-	13	-	-	120	-	-
BH4 / MW4	25 Oct 2022	DP2022	-	-	-	-	-	-	-	0.001	-	-	-	11	-	3	-	-	40	-	-
BD1/20221025	25 Oct 2022	DP2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH7 / MW7	25 Oct 2022	DP2022	-	-	-	-	-	-	-	0.028	-	-	-	23	-	11	-	-	100	-	-
BH10 / MW10	25 Oct 2022	DP2022	-	-	-	-	-	-	-	<0.001	-	-	-	5.6	-	7.8	-	-	46	-	-
BH12 / MW12	25 Oct 2022	DP2022	-	-	-	-	-	-	-	<0.001	-	-	-	13	-	2	-	-	40	-	-
JBS&G 2025																					
MW01	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	25	-	42	-	960	-	240	6.1
MW02	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	7.5	-	15	-	950	-	82	6.6
MW04	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	9.6	-	3.6	-	190	-	39	5.1
MW105	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	1.5	-	7.3	-	210	-	34	6.4
MW108	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	25	-	10	-	560	-	110	6.2
MW110	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	<0.001	<0.001	<0.001	28	-	5.3	-	460	-	92	6.8
QA10250407	07 Apr 2025	377597	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	<0.001	<0.001	-	-	24	-	3	470	72	-	6.7
QC_20250407	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.008	<0.001	<0.001	<0.001	24	-	4.5	-	440	-	78	6.5
MW111	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.007	<0.001	0.001	<0.001	16	-	6.2	-	430	-	65	6.3
MW115	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	9.9	-	8.0	-	390	-	58	6.1
MW121	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	<0.001	0.002	<0.001	21	-	5.4	-	310	-	75	6.2
MW124	08 Apr 2025	1208047	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.013	<0.001	0.002	<0.001	42	-	6.2	-	430	-	130	6.6

*In the absence of an ANZG (2018) marine criteria, results are compared against the ANZG (2018) freshwater DGVs.

Appendix A Conceptual Design Plans



TYPICAL LEVEL EXTENT

LOWER LEVEL EXTENT

UPPER LEVEL EXTENT

BASEMENT (PARKING) GBA	
BLOCK 2	
Basement 01	1523 m²
TOTAL	1523 m²
BLOCK 3	
Basement 01	5489 m²
TOTAL	5489 m²
BLOCK 4	
Basement 01	3357 m²
Basement 02	3357 m²
Basement 03	1947 m²
TOTAL	8661 m²
BLOCK 5	
Ground	2131 m²
Basement 01	1603 m²
Basement 02	1603 m²
Basement 03	1603 m²
Basement 04	1603 m²
TOTAL	8543 m²
BLOCK 6	
Ground	1909 m²
Level 02	1670 m²
TOTAL	3579 m²
BLOCK 7	
Ground	1931 m²
Basement 01	3830 m²
Basement 02	3830 m²
TOTAL	9591 m²
BLOCK 8	
Basement 01	6729 m²
Basement 02	3251 m²
Basement 03	3251 m²
TOTAL	13231 m²
BLOCK 9	
Basement 01	5279 m²
Basement 02	5279 m²
Basement 03	5279 m²
TOTAL	15837 m²
BLOCK 10	
Ground	3581 m²
Basement 01	4140 m²
Basement 02	4140 m²
TOTAL	11861 m²

PARKING SCHEDULE	
TENURE	PARKING NUMBER
BLOCK 2	
SOCIAL	19
TOTAL: 19	
BLOCK 3	
AFFORDABLE (INNOVATION)	81
TOTAL: 81	
BLOCK 4	
SOCIAL	20
MARKET	123
COMMUNITY	9
TOTAL: 152	
BLOCK 5	
SOCIAL	7
MARKET	113
TOTAL: 120	
BLOCK 6	
SOCIAL	47
TOTAL: 47	
BLOCK 7	
AFFORDABLE	86
MARKET	155
TOTAL: 241	
BLOCK 8	
AFFORDABLE	30
SOCIAL	49
MARKET	176
TOTAL: 255	
BLOCK 9	
SOCIAL	35
MARKET	195
CHILDCARE	8
RETAIL	60
TOTAL: 298	
BLOCK 10	
SOCIAL	38
MARKET	187
TOTAL: 225	

KEY

- PARK
- PLANTING ON STRUCTURE
- 50% DEEP SOIL
- 100 % DEEP SOIL
- LOT BOUNDARY
- PRECINCT BOUNDARY

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Nominated Architects: Adam Haddow-7188 | John Pradel-7004

FOR APPROVAL

Rev	Date	Revision	By	Chk.
1	19.09.2025	FOR INFORMATION	EW	LL
2	03.10.2025	FOR INFORMATION	JT	LL
3	10.10.2025	FOR INFORMATION	JT	LL
4	11.11.2025	FOR INFORMATION	JT	LL
5	28.11.2025	FOR INFORMATION	YL	JT
6	09.01.2026	FOR INFORMATION	JL	JT
7	22.01.2026	FOR INFORMATION	JL	JT
8	23.01.2026	FOR INFORMATION	JL	JT
9	03.02.2026	FOR INFORMATION	JL	JT
10	06.02.2026	FOR INFORMATION	JL	JT
A	23.03.2026	FOR SUBMISSION	JL	JT

NOTE: MINOR CHANGES TO FORM AND CONFIGURATION MAY BE REQUIRED WHEN DRAWINGS ARE SUBSEQUENTLY PREPARED FOR CONSTRUCTION PURPOSES AFTER THE GRANT OF DEVELOPMENT CONSENT.

Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN -
BASEMENT EXTENT

0 10 20 50m

1:1000 @A1

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	Chk.	Job No.
LL	JT	7085
Drawing No.		Revision
PR-AR-09B1		/ A

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NON - RESIDENTIAL AREA SCHEDULE		
BLOCK 2		
GROUND LEVEL	VPA	435m²
	Community	99m²
	Non-Res / Retail	177m²
LEVEL 02	VPA	435m²
	Non-Res / Retail	177m²
LEVEL 03	VPA	435m²
LEVEL 04	VPA	435m²
	TOTAL	2193m²
BLOCK 3		
GROUND LEVEL	Non-Res / Retail	2552m²
	TOTAL	2552m²
BLOCK 4		
GROUND LEVEL	Non-Res / Retail	770m²
	Community	1736m²
	TOTAL	2506m²
BLOCK 8		
GROUND LEVEL	VPA	432m²
	Non-Res / Retail	1659m²
	Community	350m²
LEVEL 02	VPA	432m²
	TOTAL	2873m²
BLOCK 9		
GROUND LEVEL	Supermarket	2000m²
	Non-Res / Retail	634m²
LEVEL 02	Non-Res / Retail	443m²
	Community (Childcare)	600m²
	TOTAL	3677m²
BLOCK 10		
GROUND LEVEL	Non-Res / Retail	513m²
LEVEL 02	Non-Res / Retail	776m²
LEVEL 03	Non-Res / Retail	215m²
	TOTAL	1504m²

GRAND TOTAL 15,305m²

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Nominated Architects: Adam Haddow-7188 | John Pradel-7004

FOR APPROVAL

Rev	Date	Revision	By	Chk.
1	03.10.2025	FOR INFORMATION	JT	LL
2	28.11.2025	FOR INFORMATION	YL	JT
3	09.01.2026	FOR INFORMATION	JL	JT
4	22.01.2026	FOR INFORMATION	JL	JT
5	23.01.2026	FOR INFORMATION	JL	JT
6	03.02.2026	FOR INFORMATION	JL	JT
7	06.02.2026	FOR INFORMATION	JL	JT
A	23.03.2026	FOR SUBMISSION	JL	JT

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Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN -
LEVEL 01 - UPPER

0 10 20 50m
1:1000 @A1

KEY

- MARKET
- AFFORDABLE
- SOCIAL
- PLANTING ON STRUCTURE
- PARK
- 50% DEEP SOIL
- 100 % DEEP SOIL
- VPA
- COMMUNITY
- NON RESIDENTIAL
- CARPARK / LOADING
- SERVICES
- ALLOTMENTS OUTSIDE OF PROJECT SCOPE
- LOT BOUNDARY
- PRECINCT BOUNDARY
- CARPARK ENTRY
- LOADING
- RETAIL PARKING

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	**Chk.**	**Job No.**
LL	JT	7085
Drawing No.		**Revision**
PR-AR-0901-1		/ A

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NOT FOR CONSTRUCTION

NON - RESIDENTIAL AREA SCHEDULE

BLOCK 2		
GROUND LEVEL	VPA	435m²
	Community	99m²
	Non-Res / Retail	177m²
LEVEL 02	VPA	435m²
	Non-Res / Retail	177m²
LEVEL 03	VPA	435m²
LEVEL 04	VPA	435m²
	TOTAL	2193m²
BLOCK 3		
GROUND LEVEL	Non-Res / Retail	2552m²
	TOTAL	2552m²
BLOCK 4		
GROUND LEVEL	Non-Res / Retail	770m²
	Community	1736m²
	TOTAL	2506m²
BLOCK 8		
GROUND LEVEL	VPA	432m²
	Non-Res / Retail	1659m²
	Community	350m²
LEVEL 02	VPA	432m²
	TOTAL	2873m²
BLOCK 9		
GROUND LEVEL	Supermarket	2000m²
	Non-Res / Retail	634m²
LEVEL 02	Non-Res / Retail	443m²
	Community (Childcare)	600m²
	TOTAL	3677m²
BLOCK 10		
GROUND LEVEL	Non-Res / Retail	513m²
LEVEL 02	Non-Res / Retail	776m²
LEVEL 03	Non-Res / Retail	215m²
	TOTAL	1504m²

GRAND TOTAL 15,305m²

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KEY

- MARKET
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- 100 % DEEP SOIL
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- NON RESIDENTIAL
- CARPARK / LOADING
- SERVICES
- ALLOTMENTS OUTSIDE OF PROJECT SCOPE
- LOT BOUNDARY
- PRECINCT BOUNDARY
- CARPARK ENTRY
- LOADING
- RETAIL PARKING

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Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN - LEVEL 01 - GROUND FLOOR ACTIVATION

0 10 20 50m
1:1000 @A1

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	**Chk.**	**Job No.**
LL	JT	7085
Drawing No.		**Revision**
PR-AR-0901-2		/ A

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NON - RESIDENTIAL AREA SCHEDULE

BLOCK 2		
GROUND LEVEL	VPA	435m²
	Community	99m²
	Non-Res / Retail	177m²
LEVEL 02	VPA	435m²
	Non-Res / Retail	177m²
LEVEL 03	VPA	435m²
LEVEL 04	VPA	435m²
	TOTAL	2193m²
BLOCK 3		
GROUND LEVEL	Non-Res / Retail	2552m²
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	Community	350m²
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	TOTAL	3677m²
BLOCK 10		
GROUND LEVEL	Non-Res / Retail	513m²
LEVEL 02	Non-Res / Retail	776m²
LEVEL 03	Non-Res / Retail	215m²
	TOTAL	1504m²

GRAND TOTAL 15,305m²

PARKING SCHEDULE

TENURE	PARKING NUMBER
BLOCK 2	
SOCIAL	19
	TOTAL: 19
BLOCK 3	
AFFORDABLE (INNOVATION)	81
	TOTAL: 81
BLOCK 4	
SOCIAL	20
MARKET	123
COMMUNITY	9
	TOTAL: 152
BLOCK 5	
SOCIAL	7
MARKET	113
	TOTAL: 120
BLOCK 6	
SOCIAL	47
	TOTAL: 47
BLOCK 7	
AFFORDABLE	86
MARKET	155
	TOTAL: 241
BLOCK 8	
AFFORDABLE	30
SOCIAL	49
MARKET	176
	TOTAL: 255
BLOCK 9	
SOCIAL	35
MARKET	195
CHILDCARE	8
RETAIL	60
	TOTAL: 298
BLOCK 10	
SOCIAL	38
MARKET	187
	TOTAL: 225

KEY

- MARKET
- AFFORDABLE
- SOCIAL
- PLANTING ON STRUCTURE
- PARK
- 50% DEEP SOIL
- 100 % DEEP SOIL
- VPA
- COMMUNITY
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- LOT BOUNDARY
- PRECINCT BOUNDARY
- CARPARK ENTRY
- LOADING
- RETAIL PARKING

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Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN - LEVEL 01

0 10 20 50m

1:1000 @A1

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	Chk.	Job No.
LL	JT	7085
Drawing No.		Revision
PR-AR-0901		/ A

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2	11.11.2025	FOR INFORMATION	JT	LL
3	28.11.2025	FOR INFORMATION	YL	JT
4	09.01.2026	FOR INFORMATION	JL	JT
5	22.01.2026	FOR INFORMATION	JL	JT
6	23.01.2026	FOR INFORMATION	JL	JT
7	03.02.2026	FOR INFORMATION	JL	JT
8	06.02.2026	FOR INFORMATION	JL	JT
A	23.03.2026	FOR SUBMISSION	JL	JT

RAGLAN STREET
FUTURE PARK
WELLINGTON STREET
COPE STREET
COOPER STREET
GEORGE STREET
WEST STREET
PITT STREET
MEAD STREET
JOHN STREET
MCEVOY STREET
BOTANY ROAD
THROUGHLINK
MIXED USE
CHILDCARE
WATERLOO PARK
WATERLOO OVAL
2B B1
3A B1
3B B1
2D B1
4B B1
4C B1
5A B1
5A B2
7B B1
7A B1
6A B2
6A B1
4C B2
10B B1
9B B1
10A B1
8B B1
8C B1
8D B1
8A B3
8A B1
9A B1
8A B2

NOTE: MINOR CHANGES TO FORM AND CONFIGURATION MAY BE REQUIRED WHEN DRAWINGS ARE SUBSEQUENTLY PREPARED FOR CONSTRUCTION PURPOSES AFTER THE GRANT OF DEVELOPMENT CONSENT.

Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN -
LEVEL 02 PODIUM LEVEL

0 10 20 50m
1:1000 @A1

KEY

- MARKET
- AFFORDABLE
- SOCIAL
- PARK
- PLANTING ON STRUCTURE
- 50% DEEP SOIL
- 100 % DEEP SOIL
- VPA
- COMMUNITY
- NON - RESIDENTIAL
- EDUCATION
- CARPARK / LOADING
- SERVICES
- ALLOTMENTS OUTSIDE OF PROJECT SCOPE
- LOT BOUNDARY
- PRECINCT BOUNDARY

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	Chk.	Job No.
LL	JT	7085
Drawing No.		Revision
PR-AR-0902		/ A

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Nominated Architects: Adam Haddow-7188 | John Pradel-7004

FOR APPROVAL

Rev	Date	Revision	By	Chk.
1	15.10.2025	FOR INFORMATION	JT	LL
2	11.11.2025	FOR INFORMATION	JT	LL
3	28.11.2025	FOR INFORMATION	YL	JT
4	09.01.2026	FOR INFORMATION	JL	JT
5	22.01.2026	FOR INFORMATION	JL	JT
6	23.01.2026	FOR INFORMATION	JL	JT
7	03.02.2026	FOR INFORMATION	JL	JT
8	06.02.2026	FOR INFORMATION	JL	JT
A	23.03.2026	FOR SUBMISSION	JL	JT

NOTE: MINOR CHANGES TO FORM AND CONFIGURATION MAY BE REQUIRED WHEN DRAWINGS ARE SUBSEQUENTLY PREPARED FOR CONSTRUCTION PURPOSES AFTER THE GRANT OF DEVELOPMENT CONSENT.

Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN -
LEVEL 06 PODIUM LEVEL

0 10 20 50m
1:1000 @A1

KEY

- MARKET
- AFFORDABLE
- SOCIAL
- PARK
- PLANTING ON STRUCTURE
- 50% DEEP SOIL
- 100 % DEEP SOIL
- VPA
- COMMUNITY
- NON - RESIDENTIAL
- EDUCATION
- CARPARK / LOADING
- SERVICES
- ALLOTMENTS OUTSIDE OF PROJECT SCOPE
- LOT BOUNDARY
- PRECINCT BOUNDARY

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	**Chk.**	**Job No.**
LL	JT	7085
Drawing No.		**Revision**
PR-AR-0906		/ A

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4	09.01.2026	FOR INFORMATION	JL	JT
5	22.01.2026	FOR INFORMATION	JL	JT
6	23.01.2026	FOR INFORMATION	JL	JT
7	03.02.2026	FOR INFORMATION	JL	JT
8	06.02.2026	FOR INFORMATION	JL	JT
A	23.03.2026	FOR SUBMISSION	JL	JT

RAGLAN STREET
FUTURE PARK
WELLINGTON STREET
COPE STREET
COOPER STREET
GEORGE STREET
WEST STREET
PITT STREET
JOHN STREET
MEAD STREET
MCEVOY STREET
BOTANY ROAD
WATERLOO PARK
WATERLOO OVAL
2B B1
2D B1
3A B1
3B B1
4B B1
4C B1
4C B2
5A B1
5A B2
6A B1
6A B2
7A B1
7B B1
8A B1
8A B2
8A B3
8B B1
8C B1
8D B1
9A B1
9B B1
10A B1
10B B1

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Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN -
LEVEL 10 TOWER LEVEL

0 10 20 50m
1:1000 @A1

KEY

- MARKET
- AFFORDABLE
- SOCIAL
- PARK
- PLANTING ON STRUCTURE
- 50% DEEP SOIL
- 100 % DEEP SOIL
- VPA
- COMMUNITY
- NON - RESIDENTIAL
- EDUCATION
- CARPARK / LOADING
- SERVICES
- ALLOTMENTS OUTSIDE OF PROJECT SCOPE
- LOT BOUNDARY
- PRECINCT BOUNDARY

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	Chk.	Job No.
LL	JT	7085
Drawing No.		Revision
PR-AR-0910		/ A

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Nominated Architects: Adam Haddow-7188 | John Pradel-7004

FOR APPROVAL

Rev	Date	Revision	By	Chk.
1	15.10.2025	FOR INFORMATION	JT	LL
2	11.11.2025	FOR INFORMATION	JT	LL
3	28.11.2025	FOR INFORMATION	YL	JT
4	09.01.2026	FOR INFORMATION	JL	JT
5	22.01.2026	FOR INFORMATION	JL	JT
6	23.01.2026	FOR INFORMATION	JL	JT
7	03.02.2026	FOR INFORMATION	JL	JT
8	06.02.2026	FOR INFORMATION	JL	JT
A	23.03.2026	FOR SUBMISSION	JL	JT

NOTE: MINOR CHANGES TO FORM AND CONFIGURATION MAY BE REQUIRED WHEN DRAWINGS ARE SUBSEQUENTLY PREPARED FOR CONSTRUCTION PURPOSES AFTER THE GRANT OF DEVELOPMENT CONSENT.

Client

Stockland

Project

WATERLOO SOUTH

WATERLOO, SYDNEY
GADI COUNTRY

Drawing Name

PRECINCT SITE PLAN -
LEVEL 29 TOWER LEVEL

0 10 20 50m
1:1000 @A1

KEY

- MARKET
- AFFORDABLE
- SOCIAL
- PARK
- PLANTING ON STRUCTURE
- 50% DEEP SOIL
- 100 % DEEP SOIL
- VPA
- COMMUNITY
- NON - RESIDENTIAL
- EDUCATION
- CARPARK / LOADING
- SERVICES
- ALLOTMENTS OUTSIDE OF PROJECT SCOPE
- LOT BOUNDARY
- PRECINCT BOUNDARY

Date	Scale	Sheet Size
23.03.2026	1 : 1000	A1
Drawn	**Chk.**	**Job No.**
LL	JT	7085
Drawing No.		**Revision**
PR-AR-0929		/ A

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Appendix B Borehole Logs

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BH No: BH105
PAGE 1 OF 4
Job No: 18639

Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Mead St, Waterloo NSW
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333897.49E, 6247523.63N
Driller: SS
Logged: MB
RL Surface: 22.26m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT	Not Encountered		22	0		-	TOPSOIL: Silty SAND, fine to medium grained, dark brown, trace rootlets.		-	-	TOPSOIL
						-	FILL: Silty SAND, fine to coarse grained, trace fine to coarse angular to subrounded sandstone gravel, appears poorly compacted.	0.0-0.5 DS<5kg	D - M		FILL
				1		-	FILL: SAND, fine to coarse grained, pale grey, appears poorly compacted.	0.5-1.0 DS<5kg			
			21								
				2			At 1.5m: becoming dark brown.	SPT 3, 4, 4 N=8			
			20					1.95-2.0 DS<5kg/ 1.5-2.5 ES			
				3		SW	SAND, fine to coarse grained, pale orange brown, trace silt.	SPT 1, 2, 2 N=4	M	VL	MARINE/AEOLIAN
			19								
				4			At 3.5m: becoming yellow brown.	3.0-4.0 DS<5kg/ ES			
							At 5.5m: becoming red brown, trace clay.	SPT 6, 9, 12 N=21		MD	
			18								
				5							
			17								
				6		CH	CLAY, high plasticity, pale red and grey.	SPT 10, 13, 18 N=31 PP=500	MC < PL	H	RESIDUAL SOIL
			16								
				7							
						CH	Extremely Weathered Siltstone recovered as CLAY, high plasticity. red with grey and orange, with fine to coarse angular to subangular ironstone gravel.	SPT 8, 25/150mm N=R	MC << PL		EXTREMELY WEATHERED MATERIAL
			15								
				8							
			14								
				9		-	SILTSTONE, dark grey, highly weathered, inferred very low to low strength.	SPT 9, 5/130mm	-	-	BEDROCK
			13								
				10							

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Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Mead St, Waterloo NSW
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333897.49E, 6247523.63N
Driller: SS
Logged: MB
RL Surface: 22.26m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
			12		× × × ×	-	SILTSTONE, dark grey, highly weathered, inferred very low to low strength. *(continued)*		-	-	
							Borehole BH105 continued as cored hole				
			11	11							
			10	12							
			9	13							
			8	14							
			7	15							
			6	16							
			5	17							
			4	18							
			3	19							
				20							

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Mead St, Waterloo NSW
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333897.49E, 6247523.63N
Driller: SS
Logged: MB
RL Surface: 22.26m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (● Axial, ○ Diametral) EL -0.03 / VL -0.1 / L -0.3 / M -1 / H -3 / VH -10 / EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30 100 300 1000 3000)	Additional Data
						Continued from non-cored borehole						
HQ3	0-5% Water Loss		12			SILTSTONE, dark grey, with iron staining and carbonaceous laminations, laminated at 0-20°.	HW					10.3 - BP, 10°, PL, SO, FE, IN. 10.34 - BP, 0°, PL, SO, FE, SN. 10.37 - EWS, CY, 20mm. 10.42 - DB. 10.47 - EWS, gravels, 25mm. 10.56 - DB. 10.65 - DB. 10.7 - DB. 10.74 - DB. 10.78 - DB. 10.82 - BP, 30°, PL, SO, CA, CO. 10.85 - EWS, gravel, 60mm. 10.94 - BP, 20°, UN, SO, FE, VN. 10.98 - BP, 5°, CU, SO, FE, VN. 11.0 - HB. 11.02 - HB. 11.04 - BP, 10°, PL, SO, FE, SN. 11.06 - BP, 5°, PL, SO, FE, SN. 11.11 - JT, 45°, PL, SO, FE, SN. 11.17 - EWS, gravels, 10mm. 11.22 - JT, 45°, PL, SO, FE, SN. 11.24 - JT, 90°, CU, SO, FE, SN. 11.25 - BP, 5°, ST, SO, FE, SN. 11.35 - EWS, gravels, 20mm. 11.38 - BP, 20°, PL, SO, FE, VN. 11.47 - BP, 5°, ST, SO, FE, SN. 11.48 - BP, 0°, PL, SO, FE, SN. 11.5 - JT, 85°, CU, SO, FE, SN. 11.53 - BP, 0°, CU, SO, FE, SN. 11.54 - BP, 0°, PL, SO, FE, SN. 11.56 - BP, 0°, PL, SO, FE, SN. 11.58 - JT, 90°, CU, SO, FE, SN. 11.63 - BP, 0°, PL, SO, FE, SN. 11.65 - EWS, gravels, 10mm. 11.66 - BP, 0°, PL, SO, FE, SN. 11.7 - BP, 0°, PL, SO, FE, SN. 11.77 - BP, 5°, CU, SO, FE, SN. 11.74 - BP, 15°, PL, SO, FE, SN. 11.8 - BP, 25°, CU, SO, FE, SN. 11.83 - BP, 20°, PL, SO, FE, SN. 11.87 - HB. 11.89 - HB. 11.94 - HB. 11.95 - HB. 11.97 - HB. 12.0 - HB. 12.05 - BP, 10°, CU, SO, FE, SN. 12.08 - BP, 10°, PL, SO, FE, SN. 12.12 - BP, 15°, ST, SO, FE, SN. 12.16 - BP, 20°, PL, SO, FE, SN. 12.2 - DB. 12.23 - BP, 5°, PL, SO, FE, SN. 12.27 - DB. 12.29 - DB. 12.31 - CS, gravels, 30mm. 12.36 - BP. 12.4 - JT, 90°, PL, SO, FE, SN. 12.56 - EWS, gravels, 30mm. 12.65 - JT, 90°, PL, SO, FE, SN. 12.66 - JT, 90°, PL, SO, FE, SN. 12.7 - BP, 0°, PL, SO, FE, SN. 12.72 - BP, 0°, PL, SO, FE, SN. 12.75 - BP, 20°, PL, SO, FE, SN. 12.77 - BP, 20°, PL, SO, FE, SN. 13.0 - HB. 13.05 - JT, 80°, CU, SO, CN. 13.22 - JT, 90°, ST, SO, CN. 13.59 - HB. 13.82 - HB. 14.0 - HB. 14.35 - BP, 0°, PL, SO, X, SN. 14.42 - BP, 15°, PL, SO, X, SN. 14.52 - BP, 10°, PL,SO, CN. 14.84 - BP, 0°, PL, SO, CN. 14.93 - EWS, gravels, 70mm. 15.02 - JT, 60°, PL, SO, X, SN. 15.03 - DB. 15.06 - DB. 15.13 - DB. 15.2 - DB. 15.23 -DB. 15.3 - DB. 15.36 - DB. 15.43 - BP, 0°, PL, RO, CN. 15.48 - DB. 15.5 - DB.
			11	11					D 0.32 A 0.23	19		
			10	12					D 0.27			
						Clayey GRAVEL, medium to coarse, dark grey and orange.	EW					
						SILTSTONE, dark grey, with iron staining and carbonaceous laminations, laminated at 0-20°.	HW		D 0.02 A 0.05			
				13		Clayey GRAVEL, medium to coarse, dark grey and orange.	EW					
			9			SILTSTONE, dark grey, with iron staining and carbonaceous laminations, laminated at 0-20°.	HW					
				14		INTERBEDDED SILTSTONE AND SANDSTONE, Siltstone is grey brown, laminated at 0-5°; Sandstone is fine grained, grey, bedded at 0-5°.	FR		D 0.45 A 0.34	69		
			8			LAMINITE: SILTSTONE (80%)/ SANDSTONE (20%), Siltstone is dark grey; Sandstone is fine grained, grey, trace carbonaceous laminations.						
				15					D 0.08 A 0.15			
	90% Water Loss		7			SANDSTONE, fine to coarse grained, grey, with carbonaceous laminations, bedded at 0-10°.			D 0.36 A 0.55			
				16								
			6							94		
						SANDSTONE, fine to coarse grained, orange and grey, with ironstaining and quartz inclusions, bedded at 0-20°.	SW					
				17					D 0.15 A 0.19			
	0-5% Water Loss		5			SANDSTONE, fine to coarse grained, grey, with carbonaceous laminations, bedded at 0-25°.	FR					
				18					D 1.38 A 1.23			
			4									
				19					D 0.85 A 0.98	100		
			3									
				20					D 0.98 A 1.23			

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W: www.allgeo.com.au

Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Mead St, Waterloo NSW
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333897.49E, 6247523.63N
Driller: SS
Logged: MB
RL Surface: 22.26m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial O- Diametral (EL -0.03, VL -0.1, L -0.3, M -1, H -3, VH -10, EH)	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30, 100, 300, 1000, 3000)	Additional Data
HQ3			2	21		Target depth. BH105 terminated at 20.35m	FR			100		15.52 - DB. 15.54 - DB. 15.69 - HB. 15.95 - HB. 16.0 - HB. 16.16 - BP, 5°, UN, RO, X, SN. 16.42 - JT, 90°, PL, RO, CN. 16.83 - BP, 5°, ST, RO, FE, SN. 16.85 - BP, 10°, PL, RO, FE, SN. 17.0 - HB. 17.06 - DB. 17.12 - 80°, CU, RO, FE, SN. 17.19 - JT, 45°, PL, RO, FE, SN. 17.21 - JT, 45°, PL, RO, FE, SN. 17.34 - CS, gravels, 30mm. 17.82 - DB. 18.0 - DB. 18.18 - DB. 18.71 - DB. 19.0 - HB. 19.05 - HB. 19.19 - BP, 0°, PL, RO, X, SN. 19.96 - BP, 0°, PL, RO, X, SN. 20.0 - HB. 20.22 - BP, 0°, PL, RO, X, SN. 20.35 - DB. End of Borehole.
			1	22								
			0	23								
			-1	24								
			-2	25								
			-3	26								
			-4	27								
			-5	28								
			-6	29								
			-7	30								

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Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: McEvoy St, Waterloo NSW
Started: 31/03/2025
Finished: 31/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333961.56E, 6247413.25N
Driller: SS
Logged: WS
RL Surface: 22.54m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT	Not Encountered		22	1		-	FILL: SAND, fine grained, brown and red brown, with low plasticity clay, with gravel to cobble-sized concrete fragments, appears moderately compacted.	0.0-0.5 DS 0.5-1.0 DS 1.0-1.5 DS	D - M	-	FILL
			21	2		CL	Sandy CLAY, low plasticity, yellow brown.	2.0-2.5 DS	MC ~ PL	St	MARINE/AEOLIAN
			20	3		Cl	Sandy CLAY, medium plasticity, orange brown grey, trace silt.	SPT 1, 3, 5 N=8			
			19	4		CL-Cl	Silty CLAY, low to medium plasticity, reddish brown grey, with sand.	3.5-4.0 DS SPT 2, 9, 16 N=25	MC <= PL	VSt	RESIDUAL SOIL
			18	5			At 5.0m: becoming pale brown.	5.0-5.5 DS			
			17	6		CL-Cl	Extremely Weathered Shale, recovered as Silty CLAY, low to medium plsaticity, grey and orange brown.	SPT 5, 14, 20 N=34	MC < PL	H	EXTREMELY WEATHERED MATERIAL
			16	7		-	SHALE, brown and dark grey, highly weathered, inferred very low to low strength.	6.5-6.6 ES	-	-	BEDROCK
			15	8							
			14								
			13	9			Borehole BH108 continued as cored hole				
				10							

1.2 - UPDATED NON CORED HOLE 18639.GPJ GINT STD AUSTRALIA.GDT 5/5/25

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: McEvoy St, Waterloo NSW
Started: 31/03/2025
Finished: 31/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333961.56E, 6247413.25N
Driller: SS
Logged: WS
RL Surface: 22.54m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial O- Diametral (EL -0.03, VL -0.1, L -0.3, M -1, H -3, VH -10, EH)	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30, 100, 300, 1000, 3000)	Additional Data
			22	1								
			21	2								
			20	3								
			19	4								
			18	5								
			17	6								
			16	7								
			15	8								
			14			Continued from non-cored borehole						
HQ3	0-10% Loss		13	9		SHALE, dark grey, laminated at 0-5°	MW - SW		D A	0 / 48		~~8.74-8.8 - CS.~~ 8.82 - BP, 0°, UN, SO, CN. 8.85 - JT, 03°, UN, SO, CN. 8.87 - BP, 0°, PL, SO, CN. 8.88 - BP, 0°, PL, SO, CN. 8.9 - JT, 30°, UN, SO, CN. 8.91-8.98 - BP, 0°, PL, SO, CN, 30-40mm spacing. 8.94 - JT, 0-90°, ST, SO, SN. 9.0 - DB. 9.02 - BP, 0°, PL, SO, CN.
				10								

5. CORED BOREHOLE 18639.GPJ GINT STD AUSTRALIA.GDT 5/5/25

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: McEvoy St, Waterloo NSW
Started: 31/03/2025
Finished: 31/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333961.56E, 6247413.25N
Driller: SS
Logged: WS
RL Surface: 22.54m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, O- Diametral) EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
HQ3			12	11		SHALE, dark grey, laminated at 0-5° *(continued)*	MW - SW		0.35 0.69 D A 0.22 0.25	48		9.04 - JT, 10°, UN, SO, CN. 9.10 - JT, 70-90°, UN, SO, CN. 9.13 - BP, 0°, UN, SO, CN. 9.48-9.49 - CS. 9.54 - JT, 10°, PL, SO, CN. 9.78 - BP, 0°, PL, SO, CN. 9.91 - BP, 0°, PL, SO, CN. 10.0 - JT, 30°, PL, SO, CN. 10.11-10.12 - CS, siltstone gravel, 10mm. 10.34-10.48 - CS, siltstone gravel, 140mm. 10.52 - JT, 30°, UN, SO, CN. 10.54-10.91 - BP, 0°, PL, SO, CN, 30-40mm spacing. 10.57-10.58 - EWS, CY and siltstone gravel, 10mm 10.61-10.62 - CS, siltstone gravel, 10mm. 10.64 - JT, 20°, UN, SO, CN. 10.75 - JT, 20-30°, UN, SO, CN. 10.92 - JT, 90°, PL, SO, CN. 11.0 - HB. 11.02 - BP, 0°, PL, SO, CN. 11.06 - JT, 30-45°, PL, SO, CN. 11.07 - JT, 90°, PL, SO, CN. 11.11 - BP, 0°, UN, SO, CN. 11.3-11.6 - HB. 11.6 - DB. 11.69-12.2 - HB. 12.1-12.27 - JT, 70-90°, UN, RO, CN. 12.15-12.39 - BP, 0-5°, UN, RO, CN, 50-70mm spacing. 12.46-12.52 - CS, silstone gravel, 60mm. 12.53 - JT, 20°, PL, RO, CN. 12.63 - BP, 0°, UN, RO, CN. 12.7-12.71 - CS, siltstone gravel, 10mm. 12.78-13.0 - BP, 0°, UN, RO, CN, 10-100mm spacing. 13.09-13.12 - EWS, CY, 30mm. 13.19-13.43 - BP, UN, RO, CN, 10-80mm spacing. 13.57 - DB. 13.61-13.83 - BP, UN, RO, CN, 10-100mm spacing. 14.0 - HB. 14.02 - HB. 14.2 - BP, 0°, PL, RO, CN. 14.58 - BP, 0°, PL, RO, CN. 14.88 - JT, 10°, UN, RO, CN. 15.0 - HB.
			11	12		SANDSTONE, fine grained, grey.	SW					
						CORE LOSS, 100mm.	-					
			10	13		INTERBEDDED SILTSTONE (50%)/SANDSTONE (50%): Siltstone is grey; Sandstone is fine grained, pale grey; interbedded at 0-15°.	SW		D A 0.55 1.12	15		
			9	14		SANDSTONE, medium to coarse grained, grey. bedded at 0-15°.			D A 0.27 0.41			
			8	15		SHALE, dark grey.			D A 0.88 0.64	93		
			7	16		SANDSTONE, medium to coarse grained, grey, bedded at 0-20°.			D A 0.42 0.7			15.67 - BP, 6°, PL, RO, CN. 15.85 - BP, 6°, PL, RO, CN. 16.0 - HB. 16.0-16.18 - JT, 90°, UN, RO, CN.
			6	17					D A 0.49 0.29			16.43 - BP, 20°, UN, RO, CN. 16.54 - BP, 20°, UN, RO, CN. 16.62 - DB. 17.0 - HB. 17.1 - JT, 70°, PL, RO, CN.
			5	18					D A 0.27 0.68	65		17.4 - JT, 60-90°, closed. 17.65 - BP, 10°, UN, RO, CN. 17.9 - BP, 0°, UN, RO, CN. 17.9-17.97 - JT, 60°, closed. 17.97 - HB. 18.0 - HB. 18.24 - BP, 0°, UN, RO, CN. 18.26 - JT, 70-90°, closed.
			4	19					D A 0.81 0.99			18.72-18.76 - CS, sandstone gravel, 40mm. 18.91 - BP, 0°, PL, RO, CN. 19.0 - DB.
			3	20					D A 1.63 1.82	19 100		19.24 - JT, 30°, UN, RO, CN. 19.26 - JT, 30°, UN, RO, CN. 19.42 - BP, 0°, PL, RO, CN. 19.64 - DB.

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: McEvoy St, Waterloo NSW
Started: 31/03/2025
Finished: 31/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333961.56E, 6247413.25N
Driller: SS
Logged: WS
RL Surface: 22.54m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, O- Diametral) EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30 100 300 1000 3000)	Additional Data
HQ3			2	21		SANDSTONE, medium to coarse grained, grey, bedded at 0-20°. *(continued)*	SW			100		20.0 - HB. 21.0 - HB. 21.04 - BP, 0°, PL, RO, CN.
			1	22								21.96 - JT, 10°, UN, RO, CN. 22.0 - HB. 22.12 - BP, 10°, UN, RO, CN. 22.23 - BP, 10°, UN, RO, CN. 22.42- BP, 0°, PL, RO, CN.
			0						D A 1.77 1.69			22.54 - BP, 0°, PL, RO, CN. 22.72 - DB.
				23					D A 1.49 1.26			23.0-23.04 - HB. 23.1 - BP, 20°, UN, RO, CN. 23.14 - BP, 20°, UN, RO, CN.
			-1	24								24.0 - HB.
			-2							95		
				25					D A 1 1.62 D A 1.51 1.68			24.9-24.82 - BP, 0-5°, PL, RO, CN, 190-400mm spacing. 25.0 - HB. 25.02-25.03 - HB. 25.23 - BP, 0°, PL, RO, CN. 25.24 - JT, 0-70°, ST, RO, CN. 25.57 - JT, 20°, PL, RO, CN.
			-3									
				26		Target depth. BH108 terminated at 25.81m						End of Borehole.
			-4									
				27								
			-5									
				28								
			-6									
				29								
			-7									
				30								

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BH No: BH110
PAGE 1 OF 4
Job No: 18639

Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Kellick St, Waterloo NSW
Started: 25/03/2025
Finished: 25/03/2025
Borehole Size: 120 mm

Rig Type: Massenza MI3
Hole Coordinates 333984.33E, 6247604.07N
Driller: SS
Logged: WS
RL Surface: 35.24m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT	Not Encountered		35			-	Asphalt, 100mm thickness.	0.0-0.2	-	-	PAVEMENT
						-	FILL: Clayey SAND, fine grained, brown, with medium to coarse subangular igneous gravel, appears moderately compacted.		D - M	-	FILL
						SP	SAND, fine to medium grained, yellow brown.		D - M	MD	MARINE/AEOLIAN
				1				SPT 5, 6, 5 N=11			
			34								
				2				2.0-2.5			
			33					SPT 5, 5, 7 N=12			
				3				3.0-4.0			
			32								
				4				SPT 6, 6, 7 N=13			
			31					4.5-5.5			
				5							
			30					SPT 3, 5, 7 N=12			
				6				6.0-7.0			
			29								
				7				SPT 5, 8, 9 N=17	M	D	
			28								
				8				8.0-8.5			
			27					SPT 3, 7, 8 N=15			
				9		SC	Clayey SAND, fine grained, yellow brown.				
			26					9.5-10.0			
				10		CL-CI	Silty CLAY, low to medium plasticity, grey brown.			H	

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Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Kellick St, Waterloo NSW
Started: 25/03/2025
Finished: 25/03/2025
Borehole Size: 120 mm

Rig Type: Massenza MI3
Hole Coordinates 333984.33E, 6247604.07N
Driller: SS
Logged: WS
RL Surface: 35.24m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT			25			-	SHALE, dark grey, highly weathered, inferred very low to low strength	SPT 11 DB N=R	MC ~ PL	-	BEDROCK
			24	11							
			23	12							
			22	13			Borehole BH110 continued as cored hole				
			21	14							
			20	15							
			19	16							
			18	17							
			17	18							
			16	19							
				20							

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Kellick St, Waterloo NSW
Started: 25/03/2025
Finished: 25/03/2025
Borehole Size: 120 mm

Rig Type: Massenza MI3
Hole Coordinates 333984.33E, 6247604.07N
Driller: SS
Logged: WS
RL Surface: 35.24m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial O- Diametral) EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
			25									
				11								
			24									
				12								
			23									
				13		Continued from non-cored borehole						
HQ3	0-10% Loss		22			Silty CLAY, low to medium plasticity, dark grey, with siltstone gravel.	EW					13.14-13.27 - EWS, Silty CLAY, 130mm. 13.27-13.35 - CS, laminite gravel, 80mm. 19.3-19.38 - JT, 90°, PL, SO, CN. 13.39 - BP, 0°, PL, SO, CN. 13.41 - BP, 0°, PL, SO, CN. 13.49-13.58 - CS, laminite gravel, 90mm. 13.62 - JT, 90°, PL, SO, CN. 13.62- BP, 0°, PL, SO, CN. 13.64 - BP, 0°, PL, SO, CN. 13.66-13.69 - CS, siltstone gravel, 30mm. 13.7-13.79 - BP, 0°, PL, SO, CN. 13.76 - JT, 60-80°, UN, SO, CN. 13.82-13.85 - EWS, CY and siltstone gravel, 30mm. 14.08-14.16 - CZ, siltstone gravel, 80mm. 14.19 - BP, 0°, PL, SO, CN. 14.21 - BP, 0°, PL, SO, CN. 14.23 - JT, 45°, PL, RO, CN. 14.26-14.31 - BP, 0°, PL, SO, CN, 10-20mm spacing. 14.32-14.4 - JT, 20°, PL, SO, CN, 10-40mm spacing. 14.4-14.48 - CS, siltstone gravel, 80mm. 14.7 - BP, 0°, PL, SO, CN. 14.74 - BP, 0°, PL, SO, CN. 14.82 - JT, 90°, UN, SO, CN. 14.9 - DB. 15.44 - JT, 80°, PL, SO, CN. 15.5-15.57 - CS, siltstone gravel, 70mm. 15.62-15.97 - BP, 0°, PL, SO, CN, 10-130mm spacing. 16.0 - HB. 16.05 - BP, 0°, PL, SO, CN. 16.09 - BP, 0°, PL, SO, CN. 16.1 - DB. 16.18-16.25 - EWS, CY and siltstone gravel, 70mm. 16.26 - BP, PL, RO, CY, CO, 2mm. 16.33 - BP, 0°, PL, SO, CN. 16.37- BP, 5°, PL, RO, siltstone gravel, CO. 16.41 - DB. 16.49 - JT, 90°, PL, SO, CN. 16.55 - BP, 0°, PL, SO, CN. 16.63-16.66 - CS, CY and siltstone gravel, 30mm. 16.77 - DB. 16.82 - BP, 0°, PL, SO, CN. 16.84 - JT, 30°, UN, SO, CN. 16.9 - BP, 0°, PL, SO, CN. 17.0 - HB. 17.37 - JT, 45°, IR, RO, CY, CO, 10mm. 17.46 - JT, 60°, UN, SO, CN. 17.57 - BP, 0°, PL, SO, CN. 17.61 - BP, 0°, PL, SO, CN. 17.74 - JT, 60°, UN, SO, VN. 17.75 - JT, 45°, PL, SO, CY, VNR. 17.78-17.8 - EWS, CY, 20mm. 17.8 - DB. 18.0 - HB. 18.04 - BP, 0°, PL, RO, CY, CO, 1mm. 18.06-18.31 - BP, 0°, PL, SO, CN, 10-90mm
				14		Gravelly CLAY, low plasticity, dark grey, fine to coarse angular shale gravel.	EW					
			21			LAMINITE: SHALE (80%)/ SANDSTONE (20%): Shale is dark grey; Sandstone is fine grained, pale grey.	MW - HW		D A 0.08 0.11	0		
				15		Core Loss, 450mm.	-					
			20			LAMINITE: SHALE (80%)/ SANDSTONE (20%): Shale is dark grey; Sandstone is fine grained, pale grey.	MW - HW					
				16								
			19							12		
				17								
			18			Gravelly CLAY, low plasticity, dark grey, fine to coarse angular shale gravel.	EW					
						LAMINITE: SHALE (80%)/ SANDSTONE (20%): Shale is dark grey; Sandstone is fine grained, pale grey.	MW - HW		D A 0.12 0.07			
				18		Core Loss, 100mm.	-		D A 0.07 0.05			
			17			LAMINITE: SHALE (90%)/ SANDSTONE (10%): Shale is dark grey; Sandstone is fine grained, pale grey.	FR		D A 0.1 0.08			
				19						28		
			16						D A 0.12 0.03			
				20								

5. CORED BOREHOLE 18639.GPJ GINT STD AUSTRALIA.GDT 5/5/25

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BH No: BH110
PAGE 4 OF 4
Job No: 18639

Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Kellick St, Waterloo NSW
Started: 25/03/2025
Finished: 25/03/2025
Borehole Size: 120 mm

Rig Type: Massenza MI3
Hole Coordinates 333984.33E, 6247604.07N
Driller: SS
Logged: WS
RL Surface: 35.24m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, O- Diametral) EL -0.03, VL -0.1, L -0.3, M -1, H -3, VH -10, EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
HQ3			15	21		SHALE, dark grey.	FR		D 0.29 A 0.27	28		spacing. 18.35 - JT, 20°, CU, SO, CN. 18.38-18.64 - BP, 0°, PL, SO, CN, 40-120mm spacing. 18.86 - CS, siltstone gravel, 2mm. 18.85 - JT, 60°, UN, SO, CN. 18.87 - JT, 30°, PL, SO, CN. 19.0 - HB. 19.03-19.30 - BP, 0°, UN, SO, CN, 10-110mm spacing. 19.16 -JT, PL, SO, CN. 19.36 - JT, 90°, PL, SO, CN. 19.4 - DB. 19.54 - JT, 30°, PL, SO, CN. 19.56 - BP, 0°, PL, SO, VN. 19.78 - JT, 30°, UN, SO ,CN. 19.83-19.98 - BP, 0°, PL, SO, CN, 70-80mm spacing. 20.0 - HB. 20.04 - BP, 0°, PL, SO, CN. 20.08 - JT, 45°, IR, ST, CN. 20.1 - BP, 0°, IR, ST, CN. 20.16 - JT, 90°, UN, closed. 20.2 - BP, 0°, PL, SO, CN. 20.31 - BP, 0°, PL, SO, CN. 20.4 - BP, 0°, PL, SO, CN. 20.47 - JT, 70°, CU, SO, CN. 20.56 - JT, 60°, CU, closed. 20.61 - BP, 0°, PL, SO, CN. 20.67 - BP, 0°, PL, RO, shale gravel, CO. 20.69 - JT, 60°, CU, RO, shale gravel, CO. 20.81 - JT, 70°, PL, SO, CN. 20.9 - DB. 21.0 - HB. 21.07 - CS, shale gravel, 20mm. 21.09 - CS, shale gravel, 20mm. 21.12-21.2 - CS, shale gravel, 20mm. 21.26 - JT, 45°, PL, SO, CN. 21.31 - BP, 0°, PL, SO, CN. 21.87-21.98 - BP, 0°, PL, SO, CN. 22.0 - HB. 22.19 - JT, 70°, PL, SO, CN. 22.26-22.31 - CZ, shale gravel, 50mm. 22.4 - JT, 80°, PL, SO, CN. 22.66 - BP, 0°, PL, SO, CN. 23.0 - HB. 23.08 - BP, 0°, PL, SO, CN. 23.2 - JT, 90°, PL, SO, CN. 23.28 - JT, 45°, ST, RO, CN. 23.36 - JT, 80°, ST, CN, closed. 23.39 - JT, 80°, ST, CN, closed. 23.44 - BP, 0°, PL, SO, CN. 23.56 - BP, 0°, PL, SO, CN. 23.86 - BP, 0°, PL, SO, CN. 23.91 - JT, 90°, IR, SO, CN. 23.95 - BP, 0°, PL, SO, CN. 24.04 - JT, 45°, PL, SO, CN. 24.08 - JT, 45°, PL, SO, CN. 24.17 - JT, 30°, PL, SO, CN. 24.31-24.35 - CZ, 60°, clay and shale gravel, 40mm. 24.64 - BP, 0°, PL, SO, CN. 24.94 - BP, 0°, IR, RO, CN. 24.98 - BP, 0°, IR, RO, CN. 25.0 - HB. 25.04-25.06 - SM, CY and shale gravel, 20mm. 25.19 - JT, 25°, PL, SO, CN. 25.22 - BP, 0°, IR, RO, CY and shale gravel, CO, 2mm. 25.45 - BP, 0°, PL, RO, CN. 25.5 - BP, 0°, PL, RO, CY, VN. 25.63 - BP, 5°, PL, RO, CN. 25.7 - BP, 5°, PL, RO, CN. 25.81 - BP, 0°, UN, RO, sandstone gravel, CT. 25.86 - BP, 0°, UN, RO, sandstone gravel, CT. 26.0 - HB. 26.08 - BP, 0°, IR, RO, CY, CO. 26.12 - BP, 0°, PL, RO, CN. 26.74 - BP, 0°, PL, RO, CY, VN. 26.82 - BP, 0°, IR, RO, CY, CO. End of Borehole.
			14	22								
			13	23					D 0.34 A 0.81	56		
			12	24					D 0.1 A 0.73			
			11	25		INTERBEDDED SHALE (70%)/SANDSTONE (30%): Shale is dark grey; Sandstone is fine grained, pale grey, bedded at 0-5°.						
			10	26		SANDSTONE, fine to medium grained, pale grey, with carbonaceous laminations, bedded at 0-10°.			D 0.59 A 0.51	75		
			9	27		INTERBEDDED SANDSTONE (80%)/ SHALE (20%): Sandstone is fine to medium grained, pale grey; Shale is dark grey, bedded at 0-5°.			D 0.08 A 0.15			
			8	28		Target depth. BH110 terminated at 27m			D 0.08 A 0.66			
			7	29								
			6	30								

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Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cnr Pitt St & Reeve St
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333942.79E, 6247603.85N
Driller: SS
Logged: MB
RL Surface: 29.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT	Not Encountered		29	1		-	TOPSOIL/FILL: Silty SAND, fine to coarse grained, dark brown, with fine to coarse angular to subrounded sandstone and igneous gravel.		D - M	-	TOPSOIL/FILL
						SP	SAND, fine to coarse grained, yellow brown.	0.0-1.0 DS>5kg	M	L	MARINE/AEOLIAN
								SPT 2, 3, 4 N=7			
			28	2				1.5-2.5 DS>5kg			
								SPT 3, 4, 5 N=9			
			27	3			At 3.0m: yellow brown with orange and grey.				
								3.5-4.0 ES			
			26	4				SPT 3, 4, 4 N=8			
							At 4.4m: becoming pale yellow brown.				
			25	5				5.0-5.55 ES			
								SPT 3, 6, 8 N=14		MD	
			24	6		SC	Clayey SAND, fine to coarse grained, orange brown, low plasticity clay.				
						SC	Extremely Weathered Sandstone, recovered as Clayey SAND, fine to medium grained, pale grey, low plasticity clay.		D	D - VD	EXTREMELY WEATHERED MATERIAL
			23	7				SPT 5, 20, 2/20mm HB N=R			
						-	SANDSTONE, fine to medium grained, pale grey, highly weathered, inferred very low strength.		-	-	BEDROCK
							Borehole BH111 continued as cored hole				
			22	8							
			21	9							
			20	10							

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cnr Pitt St & Reeve St
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333942.79E, 6247603.85N
Driller: SS
Logged: MB
RL Surface: 29.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial O- Diametral (EL -0.03, VL -0.1, L -0.3, M -1, H -3, VH -10, EH)	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30, 100, 300, 1000, 3000)	Additional Data
			29	1								
			28	2								
			27	3								
			26	4								
			25	5								
			24	6								
			23	7		Continued from non-cored borehole						
HQ3	0-10% Water Loss		22	8		SILTSTONE, grey and orange, with ironstaining, laminated at 0°.	HW		A 0.24	27		7.67 - BP, 0°, PL, SO, FE, SN. 7.95 - JT, 80°, PL, SO, CY, VN. 7.96 - JT, 80°, PL, SO, CY, VN. 8.0-8.05 - HB. 8.13 - EWS, CY, 10mm. 8.19 - HB. 8.2 - JT, 85°, PL, SO, CY, VN. 8.26 - JT, 45°, PL, SO, CY, VN. 8.53-8.74 - HB.
						Gravelly CLAY, low to medium plasticity, pale grey, fine to coarse angular to subangular siltstone gravel.	EW					
			21	9		SILTSTONE, grey and orange, with ironstaining, laminated at 0°. At 9.0m: becoming dark grey with orange.	HW		A 0.03	10		8.76 - JT, 90°, UN, SO, CY, VN. 8.82-8.96 - HB. 9.0 - DB. 9.03 - HB. 9.06 - HB. 9.1 - JT, 90°, PL, SO, FE, SN. 9.11-9.19 - HB. 9.2 - DB. 9.27-9.48 - HB. 9.51 - DB.
			20	10								

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cnr Pitt St & Reeve St
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333942.79E, 6247603.85N
Driller: SS
Logged: MB
RL Surface: 29.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, O- Diametral) EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
HQ3			19	11		Core Loss, 590mm thickness.	-					9.52 - DB. 9.56 - HB. 9.61 - JT, 90°, UN, SO, FE, SN. 10.0 - HB.
						SILTSTONE, grey and orange, with ironstaining, laminated at 0°.	HW			10		10.6 - EWS, CY, 30mm. 10.74 - BP, 10°, ST, SO, FE, SN. 10.84 - HB. 10.92 - BP, 0°, PL, SO, FE, SN. 10.93 - HB. 10.94 - HB. 10.95 - EWS, CY, 50mm. 11.0 - HB. 11.07 - JT, 50°, PL, SO, CY, CO. 11.08 - JT, 90°, UN, SO, FE, SN. 11.16 - CS, gravel, 30mm. 11.45 - HB. 11.6 - BP, 10°, ST, SO, CN.
			18	12		Core Loss, 200mm thickness.	-					12.0 - HB.
						Gravelly CLAY, low to medium plasticity, dark grey, fine to coarse angular to subangular siltstone gravel.	EW					12.23 - JT, 75°, PL, SO, CN. 12.26 - DB.
						SILTSTONE, dark grey, laminated at 0-10°, interlaminated with fine grained sandstone.	MW					12.33 - JT, 35°, PL, SO, CN. 12.38 - DB. 12.4 - JT, 45°, PL, SO, CN. 12.45 - JT, 45°, PL, SO, CN. 12.47 - HB.
			17	13					A 0.06	15		12.0 - DB. 12.56 - HB. 12.57 - JT, 60°, PL, SO, CN. 12.59 - JT, 60°, CU, SO, CN. 12.61 - HB. 12.64 - HB. 12.67 - JT, 60°, PL, SO, CN. 12.7 - HB.
			16	14			HW					12.71 - DB. 12.79 - DB. 12.87 - BP, 5°, CU, SO, CY, CO. 12.93 - BP, 5°, CU, SO, CN. 12.95 - BP, 20°, PL, SO, CN. 13.0 - HB.
			15	15			SW - FR		D A 0.29 0.3			13.18 - BP, 25°, PL, SO, CN. 13.2 - HB. 13.26 - HB. 13.28 - JT, 90°, UN, SO, CN. 13.29 - HB. 13.3-13.35 - HB. 13.45 - BP, 15°, PL, SO, CY, VN. 13.48-13.61 - HB. 13.63 - JT, 90°, UN, SO, CN. 13.63 - BP, 20°, PL, SO, CN. 13.64-13.75 - HB.
			14	16					D A 0.38 0.76	55		13.78 - EWS, CY, 30mm. 13.83-13.93 - HB. 14.22 - JT, 90°, UN, SO, CN. 14.61 - HB. 14.62 - JT, 45°, PL, SO, CN. 14.69 - BP, 5°, PL, SO, CN. 14.72 - JT, 45°, PL, SO, CN. 14.74 - BP, 5°, PL, SO, CN.
						GRAVEL, fine to coarse, angular shale, with clay	EW					14.78 - JT, 80°, PL, SO, CN.
			13	17		SILTSTONE, dark grey, laminated at 0-10°, interlaminated with fine grained sandstone.	SW - FR		D A 0.31 0.85			14.81 - DB. 14.85 - BP, 0°, PL, SO, CN. 14.87 - BP, 0°, PL, SO, CN. 14.89 - BP, 0°, PL, SO, CN. 14.96 - DB. 15.0 - DB.
							FR			88		15.06-15.1 - HB. 15.2 - DB. 15.4 - JT, 80°, PL, SO, CN.
			12	18					D A 0.54 0.79			15.45 - EWS, gravels, 30mm. 15.52 - HB. 15.63 - JT, 50°, PL, SO, CY, VN. 15.63 - CS, gravels, 90mm. 15.78 - HB. 15.8 - JT, 90°, CU, SO, CN. 15.81 - HB. 15.82 - HB. 15.95 - DB.
			11	19					D A 0.31 0.62	78		16.0-16.35 - HB. 16.36 - JT, 50°, PL, SO, CN. 16.37 - HB. 16.42 - DB. 16.47 - HB. 16.51-16.79 - HB. 16.74 - JT, 90°, UN, SO, CN. 16.86 - DB.
			10	20					D A 0.52 0.59			16.97 - HB. 17.0-17.17 - DB.

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cnr Pitt St & Reeve St
Started: 18/03/2025
Finished: 18/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333942.79E, 6247603.85N
Driller: SS
Logged: MB
RL Surface: 29.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial O- Diametral EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	Is(50) MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
HQ3			9	21	× × ×

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BH No: BH115
PAGE 1 OF 3
Job No: 18639

Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: West St, Waterloo NSW
Started: 24/03/2025
Finished: 24/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333886.84E, 6247584.73N
Driller: SS
Logged: MB
RL Surface: 22.35m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT	Not Encountered		22			-	Asphalt, 30mm thickness.		-	-	PAVEMENT
						-	FILL: Silty SAND, fine to medium grained, dark grey, with fine to coarse angular to subrounded igneous gravel, trace glass fragments, appears poorly to moderately compacted.	0.0-0.5 DS<5kg	D - M	-	FILL
						SP	SAND, fine to coarse grained, pale grey and grey.	0.5-1.0 DS<5kg		L - MD	MARINE/AEOLIAN
				1				SPT 5, 5, 5 N=10			
			21			SP	SAND, fine to coarse grained, orange brown, trace clay.		M		
				2				1.5-2.5 ES			
			20					SPT 3, 4, 7 N=11			
				3		CI-CH	CLAY, medium to high plasticity, pale grey mottled red, with fine to medium angular to subangular ironstone gravel.		MC < PL	VSt - H	RESIDUAL
			19					3.0-4.0 ES/DS<5kg			
				4				SPT 5, 14, 17/100mm HB N=R			
			18								
				5							
			17				At 5.5m: with fine to coarse angular to subangular ironstone and siltstone gravel.				
				6							
			16								
				7							
			15								
				8		-	Extremely Weathered Siltstone recovered as Gravelly CLAY, low to medium plasticity, dark grey, fine to coarse angular to subangular siltstone gravel.		MC << PL	H	EXTREMELY WEATHERED MATERIAL
			14								
			13	9			Borehole BH115 continued as cored hole				
				10							

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: West St, Waterloo NSW
Started: 24/03/2025
Finished: 24/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333886.84E, 6247584.73N
Driller: SS
Logged: MB
RL Surface: 22.35m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, O- Diametral) EL -0.03 / VL -0.1 / L -0.3 / M -1 / H -3 / VH -10 / EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30, 100, 300, 1000, 3000)	Additional Data
			22	1								
			21	2								
			20	3								
			19	4								
			18	5								
			17	6								
			16	7								
			15	8								
			14			Continued from non-cored borehole						
HQ3	0-10% Loss		13	9		SHALE, dark grey and yellow brown, with ironstaining and carbonaceous laminations, laminations at 0-5°.	HW	● O	D 0.91 A 0.15	0 72		8.73 - HB. 8.74 - HB. 8.81 - DB. 8.82 - BP, 10°, CU, SO, FE, SN. 8.84 - JT, 45°, PL, SO, FE, SN. 8.86 - BP, 10°, PL, SO, FE, SN. 8.9 - BP, 5°, UN, SO, SE, SN. 8.91-8.94 - DB. 9.0 - HB. 9.03 - DB. 9.23 - DB.
				10			MW - SW					

5. CORED BOREHOLE 18639.GPJ GINT STD AUSTRALIA.GDT 5/5/25

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: West St, Waterloo NSW
Started: 24/03/2025
Finished: 24/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333886.84E, 6247584.73N
Driller: SS
Logged: MB
RL Surface: 22.35m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, ○- Diametral) EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
HQ3			12	11		SHALE, dark grey and yellow brown, with ironstaining and carbonaceous laminations, laminations at 0-5°. *(continued)*	MW - SW		D A 0.53 0.4	72		9.33 - BP, 5, PL, SO, FE, SN. 9.38-9.44 - DB. 9.48 - BP, 15°, PL, SO, FE, SN. 9.5-10.0 - DB. 10.14-10.27 - DB. 10.28 - JT, 90°, PL, SO, FE, SN. 10.29 - DB. 10.35 - DB. 10.46 - CS, shale gravel, 10mm.
			11	12					D A 0.28 0.71			10.55 - DB. 10.63 - HB. 10.65 - DB. 10.66 - JT, 90°, PL, SO, CN. 10.68 -DB. 10.69 - DB. 10.72-10.82 - HB. 10.89 - DB. 11.0 - HB. 11.02 - HB.
			10	13								11.1 - JT, 60°, PL, SO, CN. 11.14 - DB. 11.2 - JT, 50°, PL, SO, FE, CO. 11.25 - DB. 11.32 - DB. 11.33 - BP, 15°, PL, SO, CN. 11.39 - DB. 11.4 - BP, 15°, PL, SO, CN. 11.5 - DB.
			9	14		LAMINITE: SANDSTONE (70%)/ SHALE (30%), Sandstone is fine to medium grained, grey; Shale is dark grey.	FR		D A 0.17 0.42	81		11.53 - BP, 15°, PL, SO, CN. 11.62 - JT, 60°, PL, SO, CN. 11.67 - JT, 60°, PL, SO, CN. 11.77 - DB. 12.0 - HB. 12.17-12.26 - DB. 12.27 - BP, 15°, PL, SO, CN. 12.35 - BP, 15°, PL, SO, FE, SN. 12.39 - BP, 5°, UN, SO, FE, SN. 12.43 - BP, 5°, PL, SO, CN.
			8	15		SANDSTONE, fine to medium grained, grey, with carbonaceous laminations, bedded at 0-5°.						12.44-12.65 - DB. 12.78 - HB. 12.79 - JT, 60°, PL, SO, FE, SN. 12.8 - HB. 12.84 - DB. 13.0 - HB. 13.06 - HB. 13.21 - DB.
			7	16					D A 0.92 0.97			13.32 - BP, 10°, PL, SO, CN. 13.52 - BP, 0°, PL, SO, CN. 13.56 - BP, 5°, PL, SO, CN. 13.6 - HB. 13.65 - DB. 13.66 - DB. 13.73 - BP, 0°, PL, RO, CN. 13.83 - BP, 5°, UN, RO, CN. 13.94-14.0 - HB.
			6	17					D A 0.08 0.52	100		14.09 - BP, 0°, PL, RO, CN. 14.22 - EWS, CY, 10mm. 14.32 - BP, 0°, PL, RO, CN. 14.4 - HB. 14.49 - BP, 0°, PL, RO, CN. 14.56 - BP, 0°, ST, RO, CN. 14.76 - BP, 0°, UN, RO, X, SN.
			5	18		SANDSTONE, fine to coarse grained, grey, with carbonaceous laminations, distinctly bedded at 0-20°.			D A 1.08 0.86			14.85-15.0 - DB. 15.03-15.24 - DB. 15.3 - EWS, CY, 10mm. 15.32-15.57 - DB. 15.63 - BP, 10°, ST, RO, CN. 15.72-15.98 - DB. 16.0-16.23 - HB. 16.3 - DB. 16.36 - HB.
			4	19					D A 1.14 1.13	100		16.9 - JT, 45°, CU, RO, CN. 16.62 - BP, 0°, PL, RO, X, SN. 16.74 - BP, 0°, PL, RO, X, SN. 17.0 - HB. 17.1 - BP, 5°, PL, RO, CY, VN. 17.2 - BP, 0°, UN, RO, X, SN. 17.56 - BP, 10°, PL, RO, X, SN. 17.9 - DB. 18.0 - DB.
			3	20					D A 0.91 0.29			18.71 - BP, 0°, PL, RO, CY, CO. 18.98 - HB. 19.0 - HB. 19.3 - BP, 5°, PL, RO, X, SN. 19.38 - HB. 19.97 - HB.

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: West St, Waterloo NSW
Started: 24/03/2025
Finished: 24/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333886.84E, 6247584.73N
Driller: SS
Logged: MB
RL Surface: 22.35m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial O- Diametral EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH / $Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
			2	21		Target depth. BH115 terminated at 20m					20.0 - HB. End of Borehole.
			1	22							
			0	23							
			-1	24							
			-2	25							
			-3	26							
			-4	27							
			-5	28							
			-6	29							
			-7	30							

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Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 21/03/2025
Finished: 21/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333728.94E, 6247406.37N
Driller: SS
Logged: MB
RL Surface: 16.40m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT			16			-	TOPSOIL/FILL: Silty SAND, fine to medium grained, dark brown, with fine subangular to subrounded igneous gravel, trace foreign material (concrete), trace rootlets.	0.0-0.5 DS<5kg	D	-	TOPSOIL/FILL
				1		SP	SAND, fine to coarse grained, yellow orange, poorly graded.	0.5-1.0 DS<5kg	D - M	L	MARINE/AEOLIAN
			15					SPT 4, 4, 3 N=7			
				2		SP	SAND, fine to coarse grained, pale grey, trace fine subrounded ironstone gravel.	1.5-2.5 DS<5kg/ ES	M		
			14				At 2.5m: becoming grey.	SPT 2, 4, 5 N=9			
				3			At 3.2m: becoming dark grey.	3.0-4.0 DS<5kg			
			13	4				SPT 7, 8, 11 N=19		MD	
			12				At 4.2m: becoming grey brown. At 4.4m: becoming pale grey.				
				5				4.5-5.5 DS<5kg			
	▼ GW seepage at 5.8m		11					SPT 2, 10, 12 N=22			
				6			At 5.8m: becoming grey.		M		
			10								
				7				SPT 4, 8, 16 N=24			
			9			SC	Clayey SAND, fine to coarse grained, grey, low to medium plasticity clay.	7.5-8.0 ES			
				8							
			8								
WB						CI	Extremely Weathered Siltstone recovered as CLAY, high plasticity, grey, with fine to coarse angular to subangular siltsotne gravel.	SPT 4, 17, 11/50mm PP=340, 340, 280	MC << PL	H	EXTREMELY WEATHERED MATERIAL
				9			Borehole BH121 continued as cored hole				
			7								
				10							

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 21/03/2025
Finished: 21/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333728.94E, 6247406.37N
Driller: SS
Logged: MB
RL Surface: 16.40m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, O- Diametral) EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
			16	1								
			15	2								
			14	3								
			13	4								
			12	5								
			11	6								
			10	7								
			9	8								
			8			Continued from non-cored borehole						
HQ3	0-10% Water Loss		7	9		LAMINITE: SILTSTONE (80%)/SANDSTONE(20%); Siltstone is dark grey; sandstone is fine grained, pale grey; laminated at 0-5°.	MW		D A 0.05 0.14	100		8.8 - JT, 45°, PL, SO, CY, VNR. 8.81 - HB. 8.83 - HB. 8.84-9.0 - DB. 9.05-9.42 - DB.
				10					D A	47		9.48 - BP, 10°, PL, SO, CO. 9.51 - JT, 90°, ST, SO, CN. 9.52-9.56 - DB. 9.63 - JT, 90°, ST, SO, CN. 9.7 - HB.

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 21/03/2025
Finished: 21/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333728.94E, 6247406.37N
Driller: SS
Logged: MB
RL Surface: 16.40m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength (●- Axial, ○- Diametral) EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30 100 300 1000 3000)	Additional Data
HQ3			6	11		LAMINITE: SILTSTONE (80%)/SANDSTONE(20%); Siltstone is dark grey; sandstone is fine grained, pale grey; laminated at 0-5°. *(continued)*	MW		0.1 0.04			9.75 - DB. 9.81 - BP, 0°, PL, SO, VN. 9.82 - DB. 9.86 - DB. 9.92 - JT, 90°, CU, SO, SN. 9.98 - DB. 10.0 - HB. 10.05-10.29 - DB. 10.4 - JT, 75°, PL, SO, SN. 10.44 - JT, 60°, PL, SO, CN. 10.47-10.5 - EWS, CY and siltstone gravels, 30mm. 10.54 - JT, 60°, PL, SO, CN. 10.55 - HB. 10.71-10.9 - DB. 11.0-11.09 - HB. 11.12 - JT, 80°, PL, SO, CN. 11.17-11.19 - EWS, CY, 20mm. 11.31 - DB. 11.32 - HB. 11.33 - JT, 25°, PL, SO, CN. 11.36 - HB. 11.4-17.3 - JT, 90°, UN, SO, CN. 11.47 - HB. 11.61 - BP, 15°, PL, SO, CO. 11.64 - DB. 11.65 - BP, 15°, PL, SO, CN. 11.66 - DB. 11.77-11.78 - EWS, siltstone gravels, 10mm. 11.8 - HB. 11.81-14 - JT set, 90°, UN, SO, CN. 11.82-11.87 - HB. 11.96 - JT, 90°, ST, SO, CN. 11.98 - DB. 12.08 - JT, 80°, PL, SO, CN. 12.12 - BP, 0°, PL, SO, CN. 12.16 - JT, 70°, PL, SO, CN. 12.28 - JT, 60°, PL, SO, CN. 12.30 - BP, 0°, PL, SO, CY, SN. 12.34-12.42 - DB. 12.43 - BP, 0°, PL, SO, CN. 12.52 - BP, 0°, PL, SO, CN. 12.53-12.55 - CS, siltstone gravel, 20mm. 12.58 - JT, 70°, PL, SO, CN. 12.63-12.68 - CS, siltstone gravel, 50mm. 12.72 - DB. 12.76 - JT, 80°, CU, SO, CN. 12.83 - JT, 60°, PL, RO, CY and siltstone gravel, CT. 12.93 - JT, 70°, PL, SO, CN. 13.0 - HB. 15.03 - HB. 15.07 - DB. 15.15 - DB. 15.21-15.23 - CS, shale gravels, 20mm. 15.34-15.37 - EWS, shale gravels and CY, 30mm. 15.4 - JT, 90°, ST, SO, CN. 15.42-15.44 - HB. 15.5 - BP, 10°, PL, SO, VN. 15.53 - HB. 15.54 - JT, 80°, PL, SO, CN. 15.56 - HB. 15.63-15.65 - EWS, CY, 20mm. 15.67 - DB. 15.73 - HB. 15.8 - JT, 90°, ST, RO, CN. 15.92 - JT, 80-90°, PL, SO, CN. 16.0 - HB. 16.05 - JT, 60°, CO, SO, CN. 16.15 - JT, 70°, PL, SO, CN. 16.2 - BP, 0°, IR, RO, CN. 16.23 - BP, 0°, IR, RO, CN. 16.26 - DB. 16.29-16.43 - BP, 0°, PL , SO, CN, 10-20mm spacing. 16.48 - JT, 60°, PL, SO, SN. 16.56-16.8 - BP, 0-10°, IR, RO, CN, 20-40mm spacing. 17.48-17.53 - HB. 17.58 - BP, 0°, PL, SO, VN. 17.72 - DB. 17.74-17.75 - EWS, shale gravels, 10mm. 17.87 - DB. 17.97 - DB. 18.0 - HB. 18.11 - HB. 18.15 - DB. 18.46 - BP, 0°, PL, RO, VN.
			5	12			SW		D A 0.1 0.15	47		
			4	13		SILTSTONE, dark grey, trace fine grained sandstone laminations, trace iron staining, laminated at 0°.	FR		D A 0.09 0.12			
			3	14		GRAVEL, fine to coarse, angular shale, dark grey.	HW/MW		D A 0.05 0.09	3		
			2	15		Core Loss, 100mm thickness.	-					
			1	16		SILTSTONE, dark grey, trace fine grained sandstone laminations, trace iron staining, laminated at 0°.	FR		D A 0.05 0.06	8		
			0	17		GRAVEL, fine to coarse, angular shale.			D 0.03			
			-1	18		SILTSTONE, dark grey, trace fine grained sandstone laminations, trace iron staining, laminated at 0°.			D A 0.36 0.22	97		
			-2	19		SANDSTONE, fine to medium grained, grey, indistinctly bedded at 0-10°.			D A 0.22 0.21	99		
			-3	20		SANDSTONE, fine to coarse grained, pale grey and grey, bedded at 0-15°, with carbonaceous laminations.			D A			

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Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 21/03/2025
Finished: 21/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333728.94E, 6247406.37N
Driller: SS
Logged: MB
RL Surface: 16.40m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial O- Diametral EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
HQ3			-4	21		SANDSTONE, fine to coarse grained, pale grey and grey, bedded at 0-15°, with carbonaceous laminations. *(continued)*	FR		0.08 0.07 D A 0.12 0.29	99		19.0 - HB. 19.12 - BP, 10°, PL, RO, SN. 19.51-19.53 - EWS, CY, 20mm. 20.0 - HB. 20.17-20.18 - EWS, CY, 10mm. 20.5-21.0 - HB. 21.04 - BP, 10°, UN, RO, SN.
			-5	22		Target depth. BH121 terminated at 21.11m						End of Borehole.
			-6	23								
			-7	24								
			-8	25								
			-9	26								
			-10	27								
			-11	28								
			-12	29								
			-13	30								

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BH No: BH124
Sheet: 1 of 2
Job No: 18639

Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 28/03/2025
Finished: 28/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333702.48E, 6247515.7N
Driller: SS
Logged: WS
RL Surface: 15.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT						-	Concrete, 120mm thickness.		-	-	PAVEMENT
						-	FILL: SAND, fine grained, dark brown, trace conglomerate, coal fragments, appears moderately compacted.	0.3-0.5	M	-	FILL
			15	1				0.8-1.0			
							At 1.2m: becoming pale grey.	SPT 2, 2, 2 N=4			
							At 1.4m: becoming brown.				
			14	2		SP	SAND, fine grained, orange brown.	1.7-1.8		MD	MARINE/AEOLIAN
							At 2.2m: becoming yellow brown.	2.2-2.5			
			13	3			At 2.5m: becoming yellow.	SPT 2, 5, 7 N=12			
			12	4			At 3.8m: becoming yellow brown orange.	3.8-4.0			
								SPT 10, 9, 6 N=15			
			11	5			At 5.0m: becoming dark grey, yellow brown.				
							At 5.5m: becoming dark grey.	SPT 7, 16, 23 N=39		D	
	▼ GW at 6.0m		10	6							
			9	7				6.5-7.0			
						CH	Silty CLAY, high plasticity, grey.	SPT 2, 3, 5 N=8	MC > PL	St	RESIDUAL
			8	8							
							At 8.5m: becoming red brown grey.	SPT 3, 6, 9 N=15			
			7	9			At 9.2m: becoming red grey yellow, trace fine to medium angular ironstone gravel.				
			6	10							

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BH No: BH124
Sheet: 2 of 2
Job No: 18639

Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 28/03/2025
Finished: 28/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333702.48E, 6247515.7N
Driller: SS
Logged: WS
RL Surface: 15.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description	Samples Tests Remarks	Moisture Condition	Consistency/ Density Index	Additional Observations
ADT			5	11		CH	Silty CLAY, high plasticity, grey. *(continued)*	SPT 9, 12, 12 N=24	MC > PL	VSt - H	
			4	12				SPT 9, 14, 15/140mm DB N=R			
			3	13				SPT 2, 4, 9 N=13		St	
			2	14							
			1	15							
			0	16		-	Extremely Weathered Shale, recovered as CLAY, medium plasticity, grey.	SPT 12, 24/150mm N=R	MC < PL	H	EXTREMELY WEATHERED MATERIAL
			-1	17			Target depth. Borehole BH124 terminated at 16.3m				
			-2	18							
			-3	19							
			-4	20							

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BH No: BH124
Sheet: 1 of 2
Job No: 18639

Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 28/03/2025
Finished: 28/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333702.48E, 6247515.7N
Driller: SS
Logged: WS

RL Surface: 15.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial ○- Diametral (EL -0.03, VL -0.1, L -0.3, M -1, H -3, VH -10, EH)	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm (30, 100, 300, 1000, 3000)	Additional Data
ADT	GW at 6.0m		15	1		Concrete, 120mm thickness.						
						FILL: SAND, fine grained, dark brown, trace conglomerate, coal fragments, appears moderately compacted.						
						At 1.2m: becoming pale grey.						
						At 1.4m: becoming brown.						
			14	2		SAND, fine grained, orange brown.						
						At 2.2m: becoming yellow brown.						
						At 2.5m: becoming yellow.						
			13	3								
			12	4		At 3.8m: becoming yellow brown orange.						
			11	5		At 5.0m: becoming dark grey, yellow brown.						
						At 5.5m: becoming dark grey.						
			10	6								
			9	7		Silty CLAY, high plasticity, grey.						
			8	8		At 8.5m: becoming red brown grey.						
			7	9		At 9.2m: becoming red grey yellow, trace fine to medium angular ironstone gravel.						
			6	10								

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BH No: BH124
Sheet: 2 of 2
Job No: 18639

Cored Borehole Log

Client: Stockland Development Pty Ltd
Project: Waterloo South Estate Redevelopment
Location: Waterloo, NSW
Hole Location: Cope St, Waterloo NSW
Started: 28/03/2025
Finished: 28/03/2025
Borehole Size: 110 mm

Rig Type: Massenza MI3
Hole Coordinates 333702.48E, 6247515.7N
Driller: SS
Logged: WS
RL Surface: 15.85m
Contractor: Stratacore
Bearing: ---
Checked: RM/GG

Method	Water	Well Details	RL (m)	Depth (m)	Graphic Log	Material Description	Weathering	Estimated Strength ●- Axial ○- Diametral EL -0.03 VL -0.1 L -0.3 M -1 H -3 VH -10 EH	$Is_{(50)}$ MPa D- diametral A- axial	RQD %	Defect Spacing mm 30 100 300 1000 3000	Additional Data
ADT			5	11		Silty CLAY, high plasticity, grey. *(continued)*						
			4	12								
			3	13								
			2	14								
			1	15								
			0	16								
						Extremely Weathered Shale, recovered as CLAY, medium plasticity, grey.						
			-1	17		Target depth. BH124 terminated at 16.3m						
			-2	18								
			-3	19								
			-4	20								

SOIL BOREHOLE JBH02

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 19 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1		Fill - Silty SAND, grey/ brown, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of gravels (shale/ bitumen/ concrete), rootlets, plastic and tile	DP	JBH02_0.00-0.10	2	No odour, staining or asbestos
	0.2				JBH02_0.20-0.30	1	
	0.3						
	0.4		Natural - Silty SAND, grey/ brown, heterogeneous, damp, well graded, medium sand, sub-angular, loose	DP	JBH02_0.40-0.50	4	No odour, staining or asbestos
	0.5						
	0.6						
	0.7						
	0.8						
	0.9				JBH02_0.90-1.00	4	
	1						
	1.1						
	1.2						
	1.3						
	1.4				JBH02_1.40-1.50	3	
	1.5						
	1.6						
	1.7						
	1.8						
	1.9				JBH02_1.90-2.00	4	
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE JBH03

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 19 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1 0.2 0.3 0.4		Fill - Silty SAND, grey/ black, heterogeneous, dry, well graded, medium sand, sub-angular, loose, with inclusions of gravel (concrete/ shale), plastic, rootlets	DR	JBH03_0.00-0.10 JBH03_0.20-0.30	6 2	No odour, staining or asbestos
	0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4		Natural - SAND, yellow/ grey, homogenous, damp, well graded, medium sand, sub-angular, loose, with inclusions of shale gravels	DP	JBH03_0.40-0.50 JBH03_0.90-1.00	2 3	No odour, staining or asbestos
	1.5 1.6 1.7 1.8 1.9 2		Natural - SAND, light yellow/ grey, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH03_1.40-1.50 JBH03_1.90-2.00	3 3	No odour, staining or asbestos
	2.1 2.2 2.3 2.4		End of Hole at 2 m bgs. Programmed Depth.				

SOIL BOREHOLE JBH04

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 20 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Push Tube
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 2.00 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1		Fill - Silty SAND, brown/ grey, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of rootlets	DP	JBH04_0.00-0.10	3	No odour, staining or asbestos
	0.2						
	0.3				JBH04_0.20-0.30	1	
	0.4						
	0.5				JBH04_0.40-0.50	2	
	0.6						
	0.7						
	0.8						
	0.9		Natural - SAND, grey/ brown, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH04_0.90-1.00	5	No odour, staining or asbestos
	1						
	1.1						
	1.2						
	1.3						
	1.4				JBH04_1.40-1.50	2	
	1.5						
	1.6						
	1.7						
	1.8						
	1.9		Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH04_1.90-2.00	2	No odour, staining or asbestos
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE JBH05

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 19 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1 0.2 0.3 0.4		Fill - Silty SAND, black/ brown, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of trace plastic, bitumen/ coal/ shale gravels and pebbles (quartz)	DP	JBH05_0.00-0.10 JBH05_0.20-0.30	1 2	No odour, staining or asbestos
	0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4		Fill - SAND, brown/ yellow, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of bitumen/ coal/ shale gravels, tiles, plastic and quartz	DP	JBH05_0.40-0.50 JBH05_0.90-1.00	2 3	No odour, staining or asbestos
	1.5 1.6 1.7 1.8 1.9		Natural - SAND, yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH05_1.40-1.50	3	No odour, staining or asbestos
	2		Natural - SAND, light yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH05_1.90-2.00	2	No odour, staining or asbestos
	2.1 2.2 2.3 2.4		End of Hole at 2 m bgs. Programmed Depth.				

SOIL BOREHOLE JBH06

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 19 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 8.50 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.5		Fill - Silty SAND, black/ brown, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of shale/ concrete gravels, plastic, tiles and roots	DP	JBH06_0.00-0.10 JBH06_0.20-0.30 JBH06_0.40-0.50	2 3 2	No odour, staining or asbestos
	1		Natural - SAND, yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH06_0.90-1.00	3	No odour, staining or asbestos
	1.5				JBH06_1.40-1.50	3	
	2				JBH06_1.90-2.00	10	
	2.5						
	3		Natural - SAND, light yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH06_2.90-3.00	3	No odour, staining or asbestos
	3.5						
	4		Natural - SAND, beige/ grey, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH06_3.90-4.00	2	No odour, staining or asbestos
	4.5						
	5		Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH06_4.90-5.00	2	No odour, staining or asbestos
	5.5						
	6				JBH06_5.90-6.00	3	
	6.5						
	7				JBH06_6.90-7.00	4	
	7.5						
	8				JBH06_7.90-8.00	2	
	8.5				JBH06_8.40-8.50	10	
			End of Hole at 8.5 m bgs. Programmed Depth.				

SOIL BOREHOLE JBH07

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Push Tube	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 19 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
PT	0.1		Asphalt - Gravelly Silty SAND, black/ grey/ brown, heterogeneous, damp, well graded, medium sand, sub-angular, medium dense	DP	JBH07_0.00-0.10	2	No odour, staining or asbestos
	0.2		Fill - Silty SAND, brown/ red/ white, heterogeneous, damp, well graded, medium sand, sub-angular, medium dense, with inclusions of trace sandstone gravels	DP	JBH07_0.20-0.30	3	No odour, staining or asbestos
	0.3						
	0.4				JBH07_0.40-0.50	2	
	0.5						
	0.6		Natural - SAND, yellow, homogenous, damp, well graded, medium sand, sub-angular, medium dense, with inclusions of trace charcoal	DP			No odour, staining or asbestos
	0.7						
	0.8						
	0.9				JBH07_0.90-1.00	3	
	1						
	1.1						
	1.2						
	1.3						
	1.4				JBH07_1.40-1.50	2	
	1.5						
	1.6						
	1.7						
	1.8						
	1.9		Natural - SAND, light yellow, homogenous, damp, well graded, medium sand, sub-angular, medium dense	DP	JBH07_1.90-2.00	3	No odour, staining or asbestos
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE JBH09

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 19 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1		Fill - Silty SAND, brown/ black, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of shale/ bitumen/ sandstone gravels, rootlets and tiles	DP	JBH09_0.00-0.10	3	No odour, staining or asbestos
	0.2						
	0.3				JBH09_0.20-0.30	3	
	0.4						
	0.5				JBH09_0.40-0.50	3	
	0.6						
	0.7						
	0.8						
	0.9		Fill - SAND, brown/ yellow, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with trace concrete/ sandstone gravels and charcoal	DP	JBH09_0.90-0.10	2	No odour, staining or asbestos
	1						
	1.1						
	1.2						
	1.3						
	1.4		Natural - SAND, yellow, homogenous, damp, well graded, medium sand, sub-angular, medium dense	DP	JBH09_1.40-1.50	2	No odour, staining or asbestos
	1.5						
	1.6						
	1.7						
	1.8						
	1.9				JBH09_1.90-2.00	3	
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

SOIL BOREHOLE JBH11

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 20 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 2.00 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1		Fill - Silty SAND, brown, heterogeneous, dry, poorly graded, medium sand, sub-angular, loose, with inclusions of rootlets and fine gravels	DR	JBH11_0.00-0.10	2	No odour, staining or asbestos
	0.2				JBH11_0.20-0.30	2	
	0.3						
	0.4		Fill - SAND, orange/ brown, heterogeneous, damp, poorly graded, medium sand, sub-angular, loose, with inclusions of fine gravels	DP	JBH11_0.40-0.50	1	No odour, staining or asbestos
	0.5						
	0.6						
	0.7						
	0.8						
	0.9		Natural - SAND, tan/ yellow, heterogeneous, damp, poorly graded, medium sand, sub-angular, loose, with inclusions of fine gravels	DP	JBH11_0.90-1.00	3	No odour, staining or asbestos
	1						
	1.1						
	1.2						
	1.3						
	1.4				JBH11_1.40-1.50	3	
	1.5						
	1.6						
	1.7						
	1.8						
	1.9		Natural - SAND, lighter tan/ yellow, heterogeneous, damp, poorly graded, medium sand, sub-angular, loose	DP	JBH11_1.90-2.00	3	No odour, staining or asbestos
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE JBH12

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 8.00 m bgl
DRILLING DATE 20 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0		Fill - Silty SAND, brown/ black, heterogeneous, dry, well graded, medium sand, sub-angular, loose, with inclusions of shale/ bitumen gravel, charcoal and rootlets	DR	JBH12_0.00-0.10	1	No odour, staining or asbestos
					JBH12_0.20-0.30	1	
	0.5		Fill - Silty SAND, dark grey, homogenous, dry, well graded, medium sand, sub-angular, loose, with inclusions of charcoal	DR	JBH12_0.40-0.50	1	No odour, staining or asbestos
	1		Natural - SAND, yellow/ grey, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH12_0.90-1.00	1	No odour, staining or asbestos
	1.5				JBH12_1.40-1.50	1	
	2				JBH12_1.90-2.00	2	
	2.5						
	3		Natural - SAND, brown/ yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH12_2.90-3.00	2	No odour, staining or asbestos
	3.5						
	4		Natural - SAND, brown, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH12_3.90-4.00	1	No odour, staining or asbestos
	4.5						
	5				JBH12_4.90-5.00	2	
	5.5						
	6		Natural - Sandy CLAY, pink/ brown, homogenous, damp, low plasticity, soft	DP	JBH12_5.90-6.00	1	No odour, staining or asbestos
	6.5						
	7				JBH12_6.90-7.00	2	
	7.5						
	8				JBH12_7.90-8.00	2	
			Termination Depth at:8.00 m.				End of Hole at 8 m bgs. Programmed Depth.

SOIL BOREHOLE JBH14

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 20 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 8.00 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0		Fill - Silty SAND, black/ brown, heterogeneous, dry, well graded, medium sand, sub-angular, loose, with inclusions of glass, charcoal and shale/ bitumen gravels	DR	JBH14_0.00-0.10	3	No odour, staining or asbestos
					JBH14_0.20-0.30	3	
	0.5		Fill - SAND, grey/ black, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of glass	DP	JBH14_0.40-0.50	5	No odour, staining or asbestos
	1				JBH14_0.90-1.00	6	
	1.5		Natural - SAND, grey/ black, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH14_1.40-1.50	4	No odour, staining or asbestos
	2				JBH14_1.90-2.00	4	
	2.5						
	3		Natural - Clayey SAND, brown/ purple, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH14_2.90-3.00	5	No odour, staining or asbestos
	3.5						
	4		Natural - Clayey SAND, red/ purple, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH14_3.90-4.00	3	No odour, staining or asbestos
	4.5						
	5				JBH14_4.90-5.00	3	
	5.5						
	6		Natural - Sandy CLAY, grey/ purple/ pink, homogenous, damp, low plasticity, soft	DP	JBH14_5.90-6.00	5	No odour, staining or asbestos
	6.5						
	7				JBH14_6.90-7.00	4	
	7.5						
	8				JBH14_7.90-8.00	2	
			End of Hole at 8 m bgs. Programmed Depth.				

SOIL BOREHOLE JBH15

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Push Tube	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 20 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
PT	0.1		Asphalt - Sandy GRAVEL, grey/ black, heterogeneous, dry, well graded, medium gravel, angular, medium dense	DR	JBH15_0.00-0.10	3	No odour, staining or asbestos
	0.2		Natural - Silty SAND, brown/ black/ grey, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of asphalt gravels	DP	JBH15_0.20-0.30	4	No odour, staining or asbestos
	0.3						
	0.4				JBH15_0.40-0.50	2	
	0.5						
	0.6						
	0.7						
	0.8						
	0.9		Natural - SAND, white/ yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH15_0.90-1.00	2	No odour, staining or asbestos
	1						
	1.1						
	1.2						
	1.3						
	1.4				JBH15_1.40-1.50	2	
	1.5						
	1.6						
	1.7						
	1.8						
	1.9		Natural - SAND, dark yellow/ orange, homogenous, damp, well graded, medium sand, sub-angular, loose	DP	JBH15_1.90-2.00	3	No odour, staining or asbestos
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

SOIL BOREHOLE JBH17

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Push Tube	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 18 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
PT	0.1		Fill - Sandy SILT, brown/ black, heterogeneous, damp, low plasticity, soft, with trace inclusions of sandstone gravels	DP	JBH17_0.00-0.10	5	No odour, staining or asbestos
	0.2		Fill - Sandy GRAVEL, red/ grey, heterogeneous, damp, poorly graded, medium gravel, angular, loose	DP	JBH17_0.20-0.30	9	No odour, staining or asbestos
	0.3		Natural - Silty SAND, grey, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	0.4				JBH17_0.40-0.50	7	
	0.5						
	0.6						
	0.7		Natural - Clayey SAND, dark brown/ orange, homogenous, damp, poorly graded, medium sand, sub-angular, medium dense	DP			No odour, staining or asbestos
	0.8						
	0.9				JBH17_0.90-1.00	4	
	1		Natural - Clayey SAND, orange, homogenous, damp, poorly graded, medium sand, sub-angular, medium dense	DP			No odour, staining or asbestos
	1.1						
	1.2						
	1.3						
	1.4				JBH17_1.40-1.50	5	
	1.5						
	1.6		Natural -Sandy CLAY, grey/ orange with red mottle, homogenous, damp, high plasticity, soft	DP			No odour, staining or asbestos
	1.7						
	1.8						
	1.9				JBH17_1.90-2.00	6	
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

SOIL BOREHOLE JBH18

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Push Tube	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 18 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
PT	0.1		Fill - Sandy SILT, black/ brown, heterogeneous, damp, low plasticity, soft, with trace inclusions of sandstone gravels and rootlets	DP	JBH18_0.00-0.10	2	No odour, staining or asbestos
	0.2		Fill - Sandy GRAVEL, red/ grey, heterogeneous, damp, poorly graded, medium gravel, angular, loose, with inclusions of sandstone/ shale/ bitumen gravels	DP	JBH18_0.20-0.30	8	No odour, staining or asbestos
	0.3		Natural - SAND, grey, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	0.4				JBH18_0.40-0.50	7	
	0.5		Natural - SAND, orange, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	0.6						
	0.7						
	0.8						
	0.9				JBH18_0.90-1.00	5	
	1						
	1.1		Natural -SAND, yellow/ white, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.2						
	1.3						
	1.4				JBH18_1.40-1.50	8	
	1.5						
	1.6						
	1.7						
	1.8						
	1.9				JBH18_1.90-2.00	3	
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

SOIL BOREHOLE JBH20

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 18 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 9.00 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.5		Fill - Sandy SILT, brown/ black, heterogeneous, damp, low plasticity, soft, with little inclusions of glass and concrete pipe, trace plastics and shale/ charcoal/ coal gravels	DP	JBH20_0.00-0.10 JBH20_0.20-0.30 JBH20_0.40-0.50	3 5 4	No odour, staining or asbestos. QA/QC20250318_01 taken at 0.4-0.5 m bgs.
	1				JBH20_0.90-1.00	5	
	1.5		Fill - Sandy SILT, light black/ grey, heterogeneous, damp, low plasticity, soft, with little inclusions of glass and concrete pipe, trace plastics and shale/ charcoal/ coal gravels	DP	JBH20_1.40-1.50	2	No odour, staining or asbestos
	2				JBH20_1.90-2.00	3	
	2.5		Natural - SAND, orange/ yellow, homogenous, damp, poorly graded, medium sand, sub-angular, medium dense	DP			No odour, staining or asbestos
	3				JBH20_2.90-3.00	6	
	3.5						
	4				JBH20_3.90-4.00	3	
	4.5		Natural - Clayey SAND, light yellow/ grey, homogenous, damp, poorly graded, medium sand, sub-angular, medium dense	DP			No odour, staining or asbestos
	5				JBH20_4.90-5.00	5	
	5.5		Natural - Sandy CLAY, purple/ grey, homogenous, damp, low plasticity, firm	DP			No odour, staining or asbestos
	6				JBH20_5.90-6.00	2	
	6.5						
	7				JBH20_6.90-7.00	3	
	7.5						
	8				JBH20_7.90-8.00	3	
	8.5						
	9				JBH20_8.90-9.00	2	
			End of Hole at 9 m bgs. Programmed Depth.				

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SOIL BOREHOLE JBH21

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 18 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Push Tube/ SFA
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 8.50 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
PT	0		Fill - SILT, brown, homogenous, dry, low plasticity, soft	DR	JBH21_0.00-0.10	3	No odour, staining or asbestos
			Natural - SAND, grey/ white, heterogeneous, damp, poorly graded, medium sand, sub-angular, loose	DP	JBH21_0.20-0.30	3	
	0.5			DP	JBH21_0.40-0.50	3	No odour, staining or asbestos
			Natural - SAND, brown, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			
					JBH21_0.90-1.00	5	No odour, staining or asbestos
	1		Natural - SAND, white , homogenous, dry, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.5			DR	JBH21_1.40-1.50	4	
					JBH21_1.90-2.00	7	
SFA	2						
	2.5						
	3				JBH21_2.90-3.00	2	
	3.5						
	4				JBH21_3.90-4.00	4	
	4.5						
	5				JBH21_4.90-5.00	3	
			Natural - SAND, white, homogenous, wet, poorly graded, medium sand, sub-angular, loose	W			No odour, staining or asbestos
	5.5						
	6				JBH21_5.90-6.00	4	
	6.5						
	7				JBH21_6.90-7.00	3	
	7.5		Natural - SAND, brown, homogenous, saturated, poorly graded, medium sand, sub-angular, loose	S			No odour, staining or asbestos
					JBH21_7.90-8.00	4	
	8		Natural - Sandy CLAY, grey, homogenous, wet, high plasticity, firm	W	JBH21_8.20-8.30	4	No odour, staining or asbestos
	8.5		End of Hole at 8.5 m bgs. Programmed Depth.				

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SOIL BOREHOLE JBH25

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 18 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Push Tube
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 2.00 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
PT	0.1		Asphalt - GRAVEL, grey, heterogeneous, dry, well graded, medium gravel, sub-angular, medium dense	DR	JBH25_0.00-0.10	4	No odour, staining or asbestos
	0.2		Fill - Sandy GRAVEL, grey, heterogeneous, dry, well graded, medium gravel, sub-angular, loose, with inclusions of asphalt gravels	DR	JBH25_0.10-0.20	4	No odour, staining or asbestos
	0.3		Fill - Gravelly SAND, grey, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with inclusions of asphalt gravels.	DP	JBH25_0.20-0.30	3	No odour, staining or asbestos
	0.4						
	0.5		Fill - Gravelly Sandy CLAY, brown/ tan, heterogeneous, damp, well graded, medium sand, sub-angular, loose	DP	JBH25_0.40-0.50	3	No odour, staining or asbestos
	0.6		Fill - SAND, brown/ tan, heterogeneous, damp, poorly graded, medium sand, sub-angular, loose	DP			Slight staining. No odour or asbestos
	0.7						
	0.8						
	0.9				JBH25_0.90-1.00	5	
	1		Natural - SAND, brown, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.1		Natural - SAND, grey, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.2						
	1.3		Natural - SAND, yellow, homogenous, damp, poorly graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.4				JBH25_1.40-1.50	6	
	1.5						
	1.6						
	1.7						
	1.8						
	1.9				JBH25_1.90-2.00	5	
	2		End of Hole at 2 m bgs. Programmed Depth.				
	2.1						
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE JBH26

PROJECT NUMBER 68063	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Waterloo Estate South	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Stockland	**DRILLING METHOD** Push Tube	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS Waterloo Redevelopment Precinct	**DIAMETER**	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 18 Mar 2025		**LOGGED BY** HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
PT	0.1		Asphalt - Sandy GRAVEL, dark grey, heterogeneous, dry, well graded, medium gravel, sub-angular, loose, with inclusions of asphalt gravels and trace clay clasts	DR	JBH26_0.00-0.10	3	No odour, staining or asbestos
	0.2		Fill - Sandy CLAY, grey/ brown, heterogeneous, dry, low plasticity, soft, with inclusions of sandstone gravels	DR	JBH26_0.20-0.30	4	No odour, staining or asbestos
	0.3						
	0.4		Fill SAND, black/ yellow, heterogeneous, damp, poorly graded, medium sand, sub-angular, medium dense, with inclusions of sandstone gravels	DP	JBH26_0.40-0.50	2	No odour, staining or asbestos
	0.5						
	0.6						
	0.7		Natural - Clayey SAND, brown/ grey, homogenous, damp, poorly graded, medium sand, sub-angular, medium dense	DP			No odour, staining or asbestos
	0.8						
	0.9				JBH26_0.90-1.00	3	
	1		Natural - SAND, brown/ yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.1						
	1.2						
	1.3						
	1.4				JBH26_1.40-1.50	4	
	1.5		Natural - SAND, grey, homogenous, damp, well graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.6		Natural - SAND, yellow, homogenous, damp, well graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.7		Natural - SAND, grey, homogenous, damp, well graded, medium sand, sub-angular, loose	DP			No odour, staining or asbestos
	1.8						
	1.9				JBH26_1.90-2.00	3	
	2						
	2.1		End of Hole at 2 m bgs. Programmed Depth.				
	2.2						
	2.3						
	2.4						

SOIL BOREHOLE JBH32

PROJECT NUMBER 68063
PROJECT NAME Waterloo Estate South
CLIENT Stockland
ADDRESS Waterloo Redevelopment Precinct
DRILLING DATE 20 Mar 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER

EASTING
NORTHING
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 8.00 m bgl
LOGGED BY HRM/ EF

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.5		Fill - Silty SAND, black/ brown, heterogeneous, damp, well graded, medium sand, sub-angular, loose, with trace inclusions of rootlets, plastic and concrete/ bitumen gravel	DP	JBH32_0.00-0.10 JBH32_0.20-0.30 JBH32_0.40-0.50	8 4 6	No odour, staining or asbestos. QA/QC20250320_02 taken at 0.2-0.3 m bgs.
	1 1.5		Natural - Sandy CLAY, brown/ black, homogenous, damp, low plasticity, firm	DP	JBH32_0.90-1.00 JBH32_1.40-1.50	7 6	No odour, staining or asbestos
	2 2.5		Natural - Sandy CLAY, red/ grey/ pink/ brown, homogenous, damp, low plasticity, firm	DP	JBH32_1.90-2.00	10	No odour, staining or asbestos
	3 3.5		Natural - Sandy CLAY, red, homogenous, damp, medium plasticity, soft	DP	JBH32_2.90-3.00	18	No odour, staining or asbestos
	4 4.5		Natural - Sandy CLAY, grey/ red, homogenous, damp, low plasticity, stiff	DP	JBH32_3.90-4.00	6	No odour, staining or asbestos
	5 5.5 6 6.5 7 7.5 8		Natural - Sandy CLAY, beige/ white/ grey, homogenous, damp, low plasticity, stiff, with trace inclusions of ironstone	DP	JBH32_4.90-5.00 JBH32_5.90-6.00 JBH32_6.90-7.00 JBH32_7.90-8.00	6 3 3 2	No odour, staining or asbestos
			End of Hole at 8 m bgs. Programmed Depth.				

WELL CONSTRUCTION LOG

CLIENT: New South Wales Land and Housing Corporation
PROJECT: Proposed Residential Development
LOCATION: George Street, Waterloo

SURFACE LEVEL: 15.8 AHD
EASTING: 333635
NORTHING: 6247755.7
DIP/AZIMUTH: 90°/--

BORE No: BH1
PROJECT No: 215694.00
DATE: 10-10-2022
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
15.8	0.04	ASPHALTIC CONCRETE		A/E	0.1				Gatic Cover Top Cap
15.5	0.3	FILL/Sandy GRAVEL		A/E	0.2				
					0.4				
14.8	1.0	FILL/SAND		A/E	0.5				
				S	0.9		2,2,3 N = 5		
		SAND SP: fine to medium, yellow and brown, trace clay, moist, loose, alluvial			1.0				
				A/E	1.45				
				A/E	1.5				
					1.6				
				A	1.9				
13.3	2.5	Clayey SAND SC: fine to medium, orange and pale grey, wet, loose, alluvial		S	2.0		3,4,6 N = 10		
					2.4				
					2.5				
					2.95				
11.8	4.0	CLAY CH: high plasticity, pale grey mottled orange, w>PL, very stiff, residual		S	4.0		5,10,14 N = 24		
					4.45				
		Below 5.5m: pale grey, hard, grading into weathered siltstone		S	5.5		16,16,19 N = 35		
					5.95				
9.2	6.6	SILTSTONE: pale grey and orange-brown, very low strength, highly weathered with some extremely weathered bands, fractured, Ashfield Shale		C	6.6				Bentonite Plug (6.00-7.00m)
				C	7.7				
7.1	8.7	SILTSTONE: dark grey and grey, very low and low strength, highly weathered, fractured, Ashfield Shale		C	8.7				
6.49	9.31								
6.17	9.63	SILTSTONE: dark grey, medium strength, fresh, fractured and slightly fractured, Ashfield Shale		C	9.58				
				C	10.5				
				C	11.28				Gravel (7.00-16.00m)
				C	12.8				
				C	13.7				Slotted PVC Pipe (7.50-16.00m)
				C	14.62				
				C					
0.03	15.77	SANDSTONE: fine to medium grained			16.03				Bottom Cap
-0.2	16.03	Bore discontinued at 16.0m Target depth reached							

RIG: MD300 **DRILLER:** Traccess Drilling **LOGGED:** AN **CASING:** HW to 6.00m

TYPE OF BORING: Diatube to 0.04m, Solid Flight Auger (TC Bit) to 3.50m, Rotary (Wash Bore) to 6.60m, NMLC Coring to 16.00m

WATER OBSERVATIONS: Free groundwater observed at 1.8 m

REMARKS: Groundwater monitoring well installed upon completion: Blank PVC Casing (0.1-7.5m), Slotted PVC Casing (7.5-16.0m), Gravel (0.1-6.0m and 7.0-16.0m), Bentonite Plug (6.0-7.0m), Gatic installed flush with surface level

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

WELL CONSTRUCTION LOG

CLIENT: New South Wales Land and Housing Corporation
PROJECT: Proposed Residential Development
LOCATION: George Street, Waterloo

SURFACE LEVEL: 17.1 AHD
EASTING: 333700.9
NORTHING: 6247786.9
DIP/AZIMUTH: 90°/--

BORE No: BH2
PROJECT No: 215694.00
DATE: 12 - 13/10/2022
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
	0.15	CONCRETE SLAB: 150mm thick		A/E	0.15				Gatic Cover Top Cap
	0.5	FILL/Silty SAND		A/E	0.25				
	1.0	FILL/ Sandy CLAY		A/E	0.5				Bentonite Plug (6.00-7.00m) Solid PVC Casing (0.10-1.70m)
	1.5	CLAY CL-CI: low to medium plasticity, orange-brown and red, with sand, w<PL, very stiff, alluvial/possibly residual		U_{75}	0.6 0.9 1.0				
		CLAY CI-CH: medium to high plasticity, pale grey mottled orange, trace fine ironstone gravel, w~PL, stiff, residual		S	1.4		3,4,7 N = 11		
				A	1.85 2.0 2.1				
				S	3.0		2,10,14 N = 24		Gravel (1.30-4.80m)
	4.3				3.45				Slotted PVC Pipe (1.70-4.50m) Bottom Cap
	4.57	SILTSTONE: inferred low strength, pale to dark grey		S	4.5		30/70 refusal		
		INTERLAMINATED SILTSTONE AND SANDSTONE: 70-80% dark grey siltstone interlaminated with 20-30% pale grey, fine grained sandstone		C	4.57 4.92				
	6.05	SILTSTONE: dark grey, 5-10% pale grey, fine grained sandstone laminations, medium strength, fresh, slightly fractured and unbroken		C					
				C	7.89				
				C	9.35				Bentonite (4.80-15.44m)
				C	10.9				
	11.12	SILTSTONE: dark grey, high strength, fresh, slightly fractured, Ashfield Shale		C	12.35				
				C	13.92				
	15.44	Bore discontinued at 15.44m Target depth reached			15.44				

RIG: D4TAPG **DRILLER:** Macquarie Geotech **LOGGED:** HS **CASING:** HWT to 3.50m

TYPE OF BORING: Diatube to 0.15m, Solid Flight Auger (TC Bit) to 4.57m, HQ Coring to 15.44m

WATER OBSERVATIONS: No free groundwater observed whilst augering

REMARKS: Groundwater monitoring well installed upon completion: Blank PVC Casing (0.1-1.7m), Slotted PVC Casing (1.7-4.5m), Bentonite Plug (0.1-1.3m), Gravel (1.3-4.8m), Bentonite (4.8-15.44m), Gatic installed flush with surface level

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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WELL CONSTRUCTION LOG

CLIENT: New South Wales Land and Housing Corporation
PROJECT: Proposed Residential Development
LOCATION: George Street, Waterloo

SURFACE LEVEL: 15.4 AHD
EASTING: 333734
NORTHING: 6247622.2
DIP/AZIMUTH: 90°/--

BORE No: BH4
PROJECT No: 215694.00
DATE: 11-10-2022
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
	0.13	CONCRETE SLAB: 130mm thick		A/E	0.1				Gatic Cover
	0.3	FILL/Sandy GRAVEL		A/E	0.2 0.4				Top Cap Bentonite Plug (6.00-7.00m)
	0.8	CLAY CL-CI: low to medium plasticity		A/E	0.5				
	1.0	Sandy CLAY CL-CI: low to medium plasticity		A/E S	0.9 1.0		4,6,6 N = 12		Solid PVC Casing (0.10-1.70m)
	1.5	Clayey SAND SC: fine to medium grained		A/E	1.45				
	2.3	SAND SP-SC: fine to medium, red-brown, with clay, wet, medium dense, alluvial		A/E	1.5 1.6 1.9				
	2.5	Sandy CLAY CL-CI: low to medium plasticity		S	2.0 2.5		2,4,5 N = 9		
		CLAY CI-CH: medium to high plasticity, pale grey, w~PL, stiff, residual/possibly alluvial		U_{75}	2.95 3.0 3.4				Gravel (1.30-4.80m)
	4.0	CLAY CI-CH: medium to high plasticity, pale grey mottled red-brown, w<PL, very stiff to hard, residual		S	4.0 4.45		11,13,18 N = 31		Slotted PVC Pipe (1.50-6.00m)
				S	5.5 5.77		14,30/120 refusal		
	5.9	Silty CLAY CI: medium plasticity, pale grey and brown, hard			5.9				Bottom Cap
	6.3	SILTSTONE: pale grey and brown, very low strength		C					
	7.15	SILTSTONE: dark grey and brown, low and medium strength, Ashfield Shale		C	7.15				
				C	9.26				
	10.1	SILTSTONE: dark grey, medium and high strength, Ashfield Shale		C					Bentonite (6.50-16.28m)
				C	12.19				
				C	15.16				
	16.28	Bore discontinued at 16.28m Target depth reached			16.28				

RIG: MD300 **DRILLER:** Traccess Drilling **LOGGED:** AN **CASING:** HW to 5.90m

TYPE OF BORING: Diatube to 0.13m, Solid Flight Auger (TC Bit) to 5.90m, NMLC Coring to 16.28m

WATER OBSERVATIONS: Free groundwater observed at 2.6 m

REMARKS: Groundwater monitoring well installed upon completion: Blank PVC Casing (0.1-1.5m), Slotted PVC Casing (1.5-6.0m), Bentonite Plug (0.1-1.0m), Gravel (1.0-6.5m), Bentonite (6.5-16.28m), Gatic installed flush with surface level

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 C Photographic Log

PHOTO 1: FILL MATERIAL AT JBH02_0.0-0.1 M BGS

PHOTO 3: NATURAL MATERIAL AT JBH02_0.4-0.5 M BGS

PHOTO 2: FILL MATERIAL AT JBH02_0.2-0.3 M BGS

PHOTO 4: NATURAL MATERIAL AT JBH02_0.9-1.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 5: NATURAL MATERIAL AT JBH02_1.4-1.5 M BGS

PHOTO 7: DRILLING LOCATION FOR JBH03

PHOTO 6: NATURAL MATERIAL AT JBH02_1.9-2.0 M BGS

PHOTO 8: FILL MATERIAL AT JBH03_0.0-0.1 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 9: FILL MATERIAL AT JBH03_0.2-0.3 M BGS

PHOTO 11: NATURAL MATERIAL AT JBH03_0.9-1.0 M BGS

PHOTO 10: NATURAL MATERIAL AT JBH03_0.4-.05 M BGS

PHOTO 12: NATURAL MATERIAL AT JBH03_1.4-1.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 13: NATURAL MATERIAL AT JBH03_1.9-2.0 M BGS

PHOTO 15: FILL MATERIAL AT JBH04_0.0-0.1 M BGS

PHOTO 14: DRILLING LOCATION FOR JBH04

PHOTO 16: FILL MATERIAL AT JBH04_0.2-0.3 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 17: FILL MATERIAL AT JBH04_0.4-0.5 M BGS

PHOTO 19: NATURAL MATERIAL AT JBH04_1.4-1.5 M BGS

PHOTO 18: NATURAL MATERIAL AT JBH04_0.9-1.0 M BGS

PHOTO 20: NATURAL MATERIAL AT JBH04_1.9-2.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South, Waterloo NSW

PHOTO 21: DRILLING LOCATION FOR JBH05

PHOTO 22: FILL MATERIAL AT JBH05_0.0-0.1 M BGS

PHOTO 23: FILL MATERIAL AT JBH05_0.2-0.3 M BGS

PHOTO 24: FILL MATERIAL AT JBH05_0.4-0.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 25: FILL MATERIAL AT JBH05_0.9-1.0 M BGS

PHOTO 27: NATURAL MATERIAL AT JBH05_1.9-2.0 M BGS

PHOTO 26: NATURAL MATERIAL AT JBH05_1.4-1.5 M BGS

PHOTO 28: FILL MATERIAL AT JBH06_0.0-.01 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 29: FILL MATERIAL AT JBH06_0.2-0.3 M BGS

PHOTO 30: FILL MATERIAL AT JBH06_0.4-0.5 M BGS

PHOTO 31: NATURAL MATERIAL AT JBH06_0.9-1.0 M BGS

PHOTO 32: NATURAL MATERIAL AT JBH06_1.4-1.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 33: NATURAL MATERIAL AT JBH06_1.9-2.0 M BGS

PHOTO 34: NATURAL MATERIAL AT JBH06_2.9-3.0 M BGS

PHOTO 35: NATURAL MATERIAL AT JBH06_3.9-4.0 M BGS

PHOTO 36: NATURAL MATERIAL AT JBH06_4.9-5.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 37: NATURAL MATERIAL AT JBH06_5.9-6.0 M BGS

PHOTO 39: NATURAL MATERIAL AT JBH06_7.9-8.0 M BGS

PHOTO 38: NATURAL MATERIAL AT JBH06_6.9-7.0 M BGS

PHOTO 40: DRILLING LOCATION FOR JBH06

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 41: DRILLING LOCATION FOR JBH07

PHOTO 43: FILL MATERIAL AT JBH07_0.2-0.3 M BGS

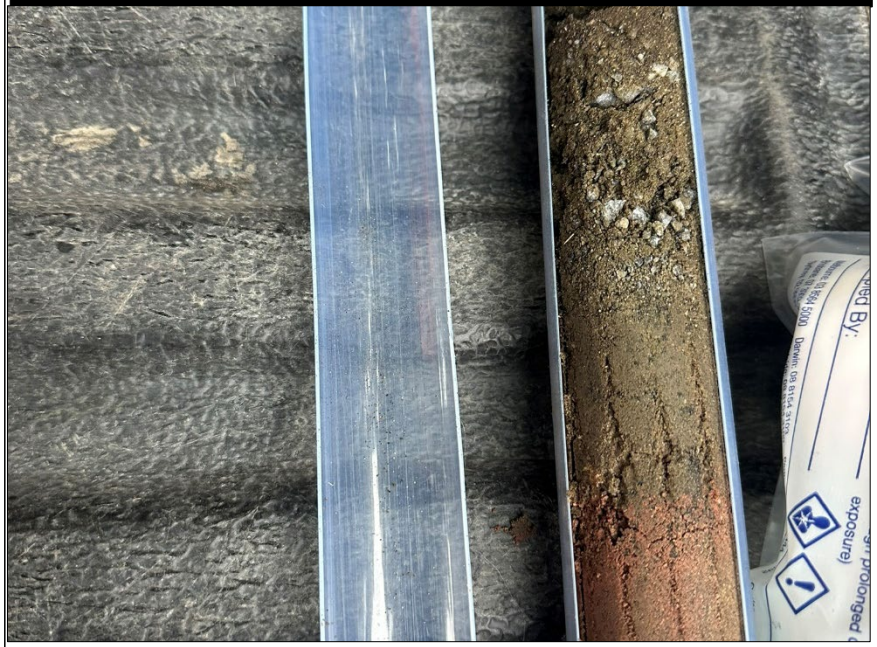


PHOTO 42: FILL MATERIAL AT JBH07_0.0-0.1 M BGS

PHOTO 44: NATURAL MATERIAL AT JBH07_0.4-0.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South, Waterloo NSW

PHOTO 45: NATURAL MATERIAL AT JBH07_0.9-1.0 M BGS

PHOTO 47: NATURAL MATERIAL AT JBH07_1.9-2.0 M BGS

PHOTO 46: NATURAL MATERIAL AT JBH07_1.4-1.5 M BGS

PHOTO 48: DRILLING LOCATION FOR JBH09

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 49: FILL MATERIAL AT JBH09_0.0-0.1 M BGS

PHOTO 51: FILL MATERIAL AT JBH09_0.4-0.5 M BGS

PHOTO 50: FILL MATERIAL AT JBH09_0.2-0.3 M BGS

PHOTO 52: NATURAL MATERIAL AT JBH09_0.9-1.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 53: NATURAL MATERIAL AT JBH09_1.4-1.5 M BGS

PHOTO 55: DRILLING LOCATION AT JBH11

PHOTO 54: NATURAL MATERIAL AT JBH09_1.9-2.0 M BGS

PHOTO 56: FILL MATERIAL AT JBH011_0.0-0.1 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 57: FILL MATERIAL AT JBH11_0.2-0.3 M BGS

PHOTO 59: NATURAL MATERIAL AT JBH11_0.9-1.0 M BGS

PHOTO 58: FILL MATERIAL AT JBH11_0.4-.0.5 M BGS

PHOTO 60: NATURAL MATERIAL AT JBH11_1.4-1.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 61: DRILLING LOCATION FOR JBH12

PHOTO 63: FILL MATERIAL AT JBH12_0.2-0.3 M BGS

PHOTO 62: FILL MATERIAL AT JBH12_0.0-0.1 M BGS

PHOTO 64: FILL MATERIAL AT JBH11_0.4-0.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 65: NATURAL MATERIAL AT JBH12_0.9-1.0 M BGS

PHOTO 67: NATURAL MATERIAL AT JBH12_1.9-2.0 M BGS

PHOTO 66: NATURAL MATERIAL AT JBH12_1.4-1.5 M BGS

PHOTO 68: NATURAL MATERIAL AT JBH12_2.9-3.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 69: NATURAL MATERIAL AT JBH12_3.9-4.0 M BGS

PHOTO 71: NATURAL MATERIAL AT JBH12_5.9-6.0 M BGS

PHOTO 70: NATURAL MATERIAL AT JBH12_4.9-5.0 M BGS

PHOTO 72: NATURAL MATERIAL AT JBH12_6.9-7.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 73: NATURAL MATERIAL AT JBH12_7.9-8.0 M BGS

PHOTO 74: DRILLING LOCTION FOR JBH14

PHOTO 75: FILL MATERIAL AT JBH14_0.0-0.1 M BGS

PHOTO 76: FILL MATERIAL AT JBH14_0.2-0.3 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 77: FILL MATERIAL AT JBH14_0.4-0.5 M BGS

PHOTO 79: NATURAL MATERIAL AT JBH14_1.4-1.5 M BGS

PHOTO 78: FILL MATERIAL AT JBH14_0.9-1.0 M BGS

PHOTO 80: NATURAL MATERIAL AT JBH14_1.9-2.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

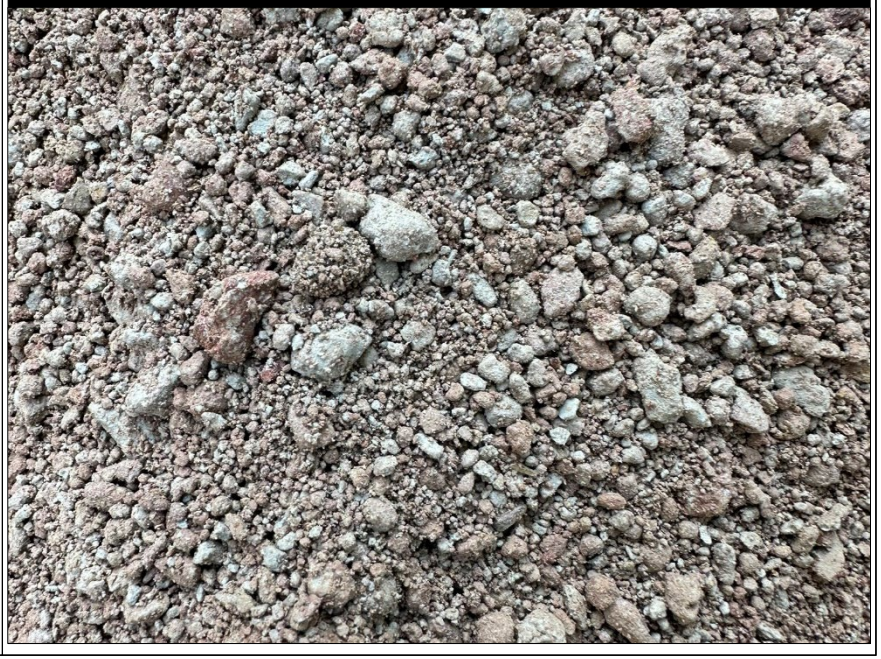
Waterloo Estate South,
Waterloo NSW

PHOTO 81: NATURAL MATERIAL AT JBH14_2.9-3.0 M BGS

PHOTO 82: NATURAL MATERIAL AT JBH14_3.9-4.0 M BGS

PHOTO 83: NATURAL MATERIAL AT JBH14_4.9-5.0 M BGS

PHOTO 84: NATURAL MATERIAL AT JBH14_5.9-6.0 M BGS



JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 85: NATURAL MATERIAL AT JBH14_6.9-7.0 M BGS

PHOTO 87: DRILLING LOCATION AT JBH15

PHOTO 86: NATURAL MATERIAL AT JBH14_7.9-8.0 M BGS

PHOTO 88: FILL MATERIAL AT JBH15_0.0-0.1 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 89: NATURAL MATERIAL AT JBH15_0.2-0.3 M BGS

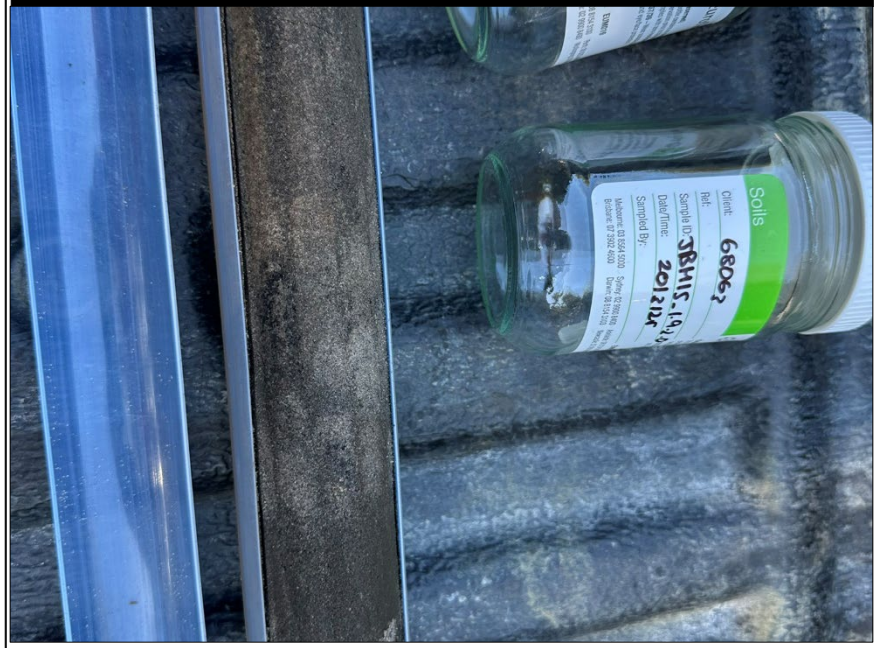


PHOTO 91: NATURAL MATERIAL AT JBH15_0.9-1.0 M BGS

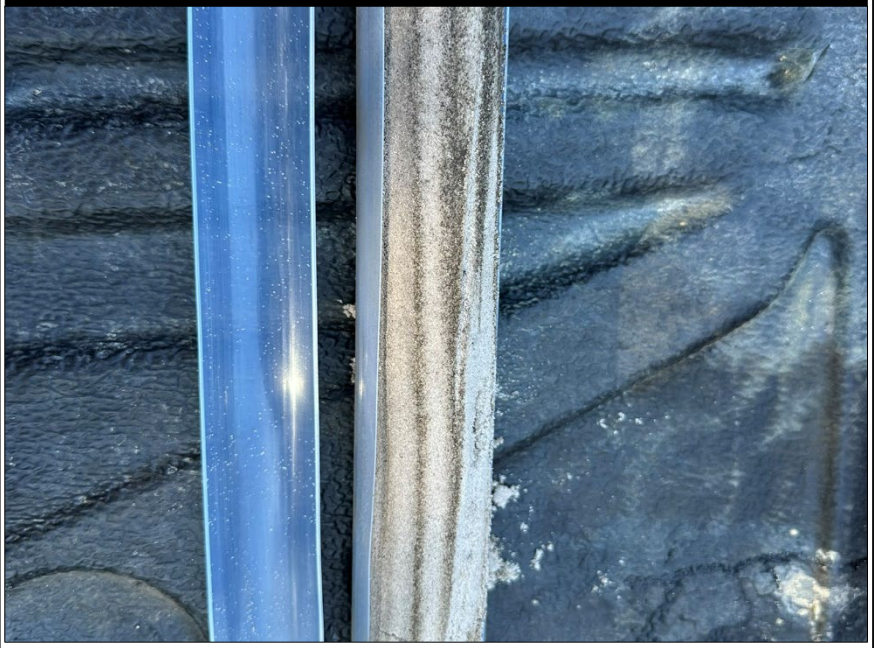


PHOTO 90: NATURAL MATERIAL AT JBH15_0.4-0.5 M BGS

PHOTO 92: NATURAL MATERIAL AT JBH15_1.4-1.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South, Waterloo NSW

PHOTO 93: NATURAL MATERIAL AT JBH15_1.9-2.0 M BGS

PHOTO 95: FILL MATERIAL AT JBH17_0.0-0.1 M BGS

PHOTO 94: DRILLING LOCATION AT JBH17

PHOTO 96: FILL MATERIAL AT JBH17_0.2-0.3 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 97: NATURAL MATERIAL AT JBH17_0.4-0.5 M BGS (LEFT)

PHOTO 98: NATURAL MATERIAL AT JBH17_0.9-1.0 M BGS

PHOTO 99: NATURAL MATERIAL AT JBH17_1.4-1.5 M BGS (LEFT)

PHOTO 100: NATURAL MATERIAL AT JBH17_1.9-2.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South, Waterloo NSW

PHOTO 101: DRILLING LOCATION AT JBH18

PHOTO 102: FILL MATERIAL AT JBH18_0-0.1 M BGS

PHOTO 103: FILL MATERIAL AT JBH18_0.2-0.3 M BGS

PHOTO 104: NATURAL MATERIAL AT JBH18_0.4-0.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 105: NATURAL MATERIAL AT JBH18_0.9-1.0 M BGS

PHOTO 107: NATURAL MATERIAL AT JBH18_1.9-2.0 M BGS (LEFT)

PHOTO 106: NATURAL MATERIAL AT JBH18_1.4-1.5 M BGS (LEFT)

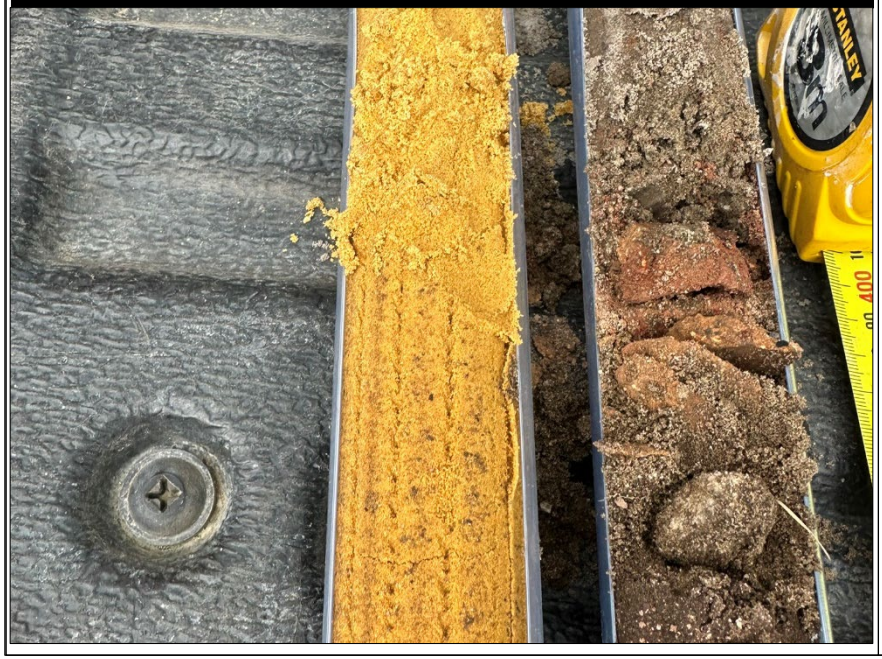


PHOTO 108: DRILLING LOCATION AT JBH20

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

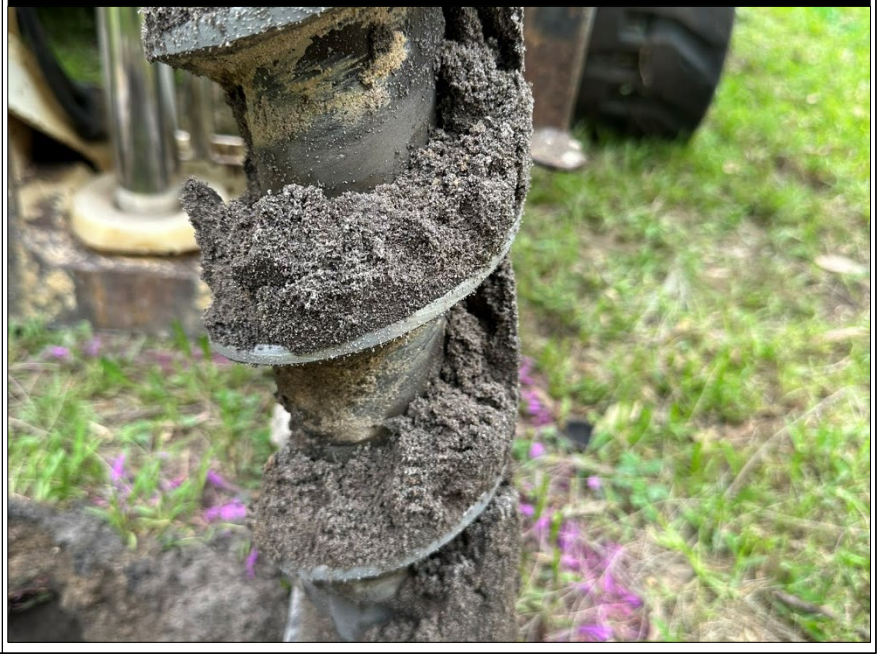
Waterloo Estate South, Waterloo NSW

PHOTO 109: FILL MATERIAL AT JBH20_0-0.1 M BGS

PHOTO 110: FILL MATERIAL AT JBH20_0.2-0.3 M BGS

PHOTO 111: FILL MATERIAL AT JBH20_0.4-0.5 M BGS

PHOTO 112: FILL MATERIAL AT JBH20_0.9-1.0 M BGS



JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 113: FILL MATERIAL AT JBH20_1.4-1.5 M BGS

PHOTO 115: NATURAL MATERIAL AT JBH20_2.9-3.0 M BGS

PHOTO 114: NATURAL MATERIAL AT JBH20_1.9-2.0 M BGS

PHOTO 116: NATURAL MATERIAL AT JBH20_3.9-4.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 117: NATURAL MATERIAL AT JBH20_4.9-5.0 M BGS

PHOTO 119: NATURAL MATERIAL AT JBH20_6.9-70 M BGS

PHOTO 118: NATURAL MATERIAL AT JBH20_5.9-6.0 M BGS

PHOTO 120: NATURAL MATERIAL AT JBH20_7.9-8.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 121: NATURAL MATERIAL AT JBH20_8.9-9.0 M BGS

PHOTO 123: FILL MATERIAL AT JBH21_0.0-0.1 M BGS (LEFT)

PHOTO 122: DRILLING LOCATION FOR JBH21

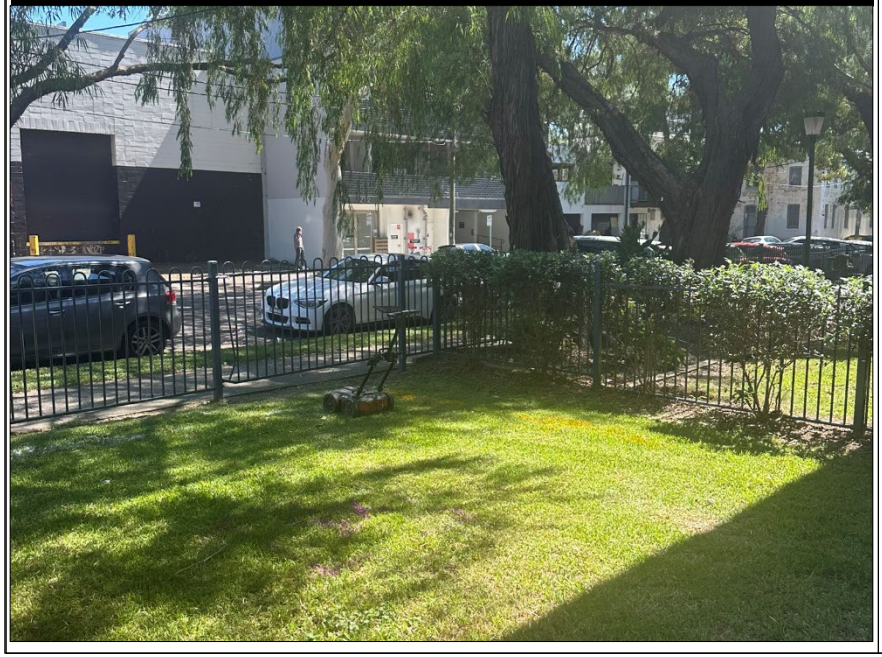


PHOTO 124: NATURAL MATERIAL AT JBH21_0.2-0.3 M BGS (LEFT)

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South, Waterloo NSW

PHOTO 125: NATURAL MATERIAL AT JBH21_0.4-0.5 M BGS (LEFT)

PHOTO 127: NATURAL MATERIAL AT JBH21_1.4-1.5 M BGS (RIGHT)

PHOTO 126: NATURAL MATERIAL AT JBH21_0.9-1.0 M BGS (LEFT)

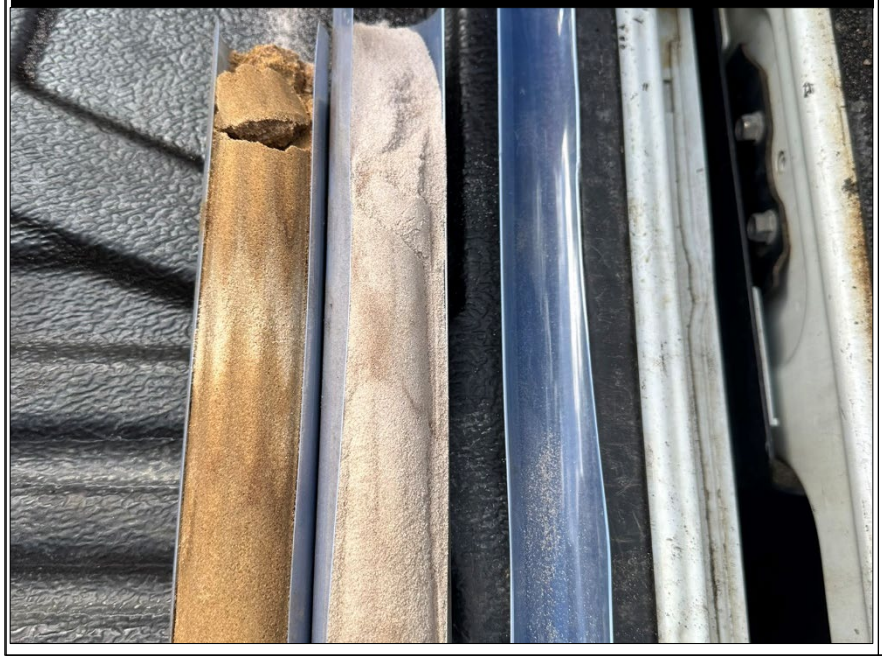
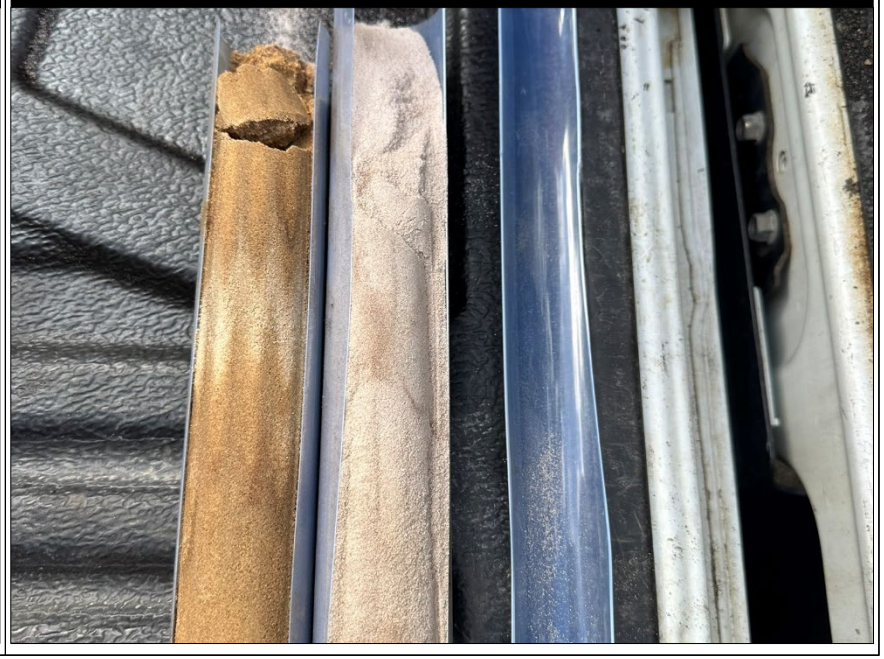


PHOTO 128: NATURAL MATERIAL AT JBH21_1.9-2.0 M BGS (RIGHT)



JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South, Waterloo NSW

PHOTO 129: NATURAL MATERIAL AT JBH21_2.9-3.0 M BGS

PHOTO 131: NATURAL MATERIAL AT JBH21_4.9-5.0 M BGS

PHOTO 130: NATURAL MATERIAL AT JBH21_3.9-4.0 M BGS

PHOTO 132: NATURAL MATERIAL AT JBH21_5.9-6.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 133: NATURAL MATERIAL AT JBH21_6.9-7.0 M BGS

PHOTO 135: NATURAL MATERIAL AT JBH21_8.2-8.3 M BGS

PHOTO 134: NATURAL MATERIAL AT JBH21_7.9-8.0 M BGS

PHOTO 136: DRILLING LOCATION AT JBH25

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 137: FILL MATERIAL AT JBH25_0.0-0.1 M BGS

PHOTO 139: FILL MATERIAL AT JBH25_0.2-0.3 M BGS

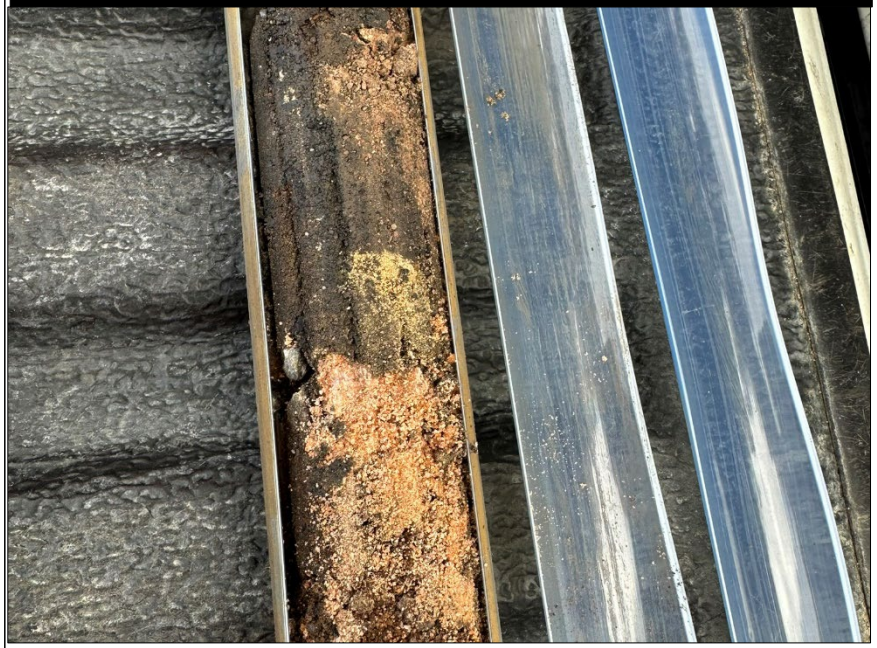


PHOTO 138: FILL MATERIAL AT JBH25_0.1-0.2 M BGS

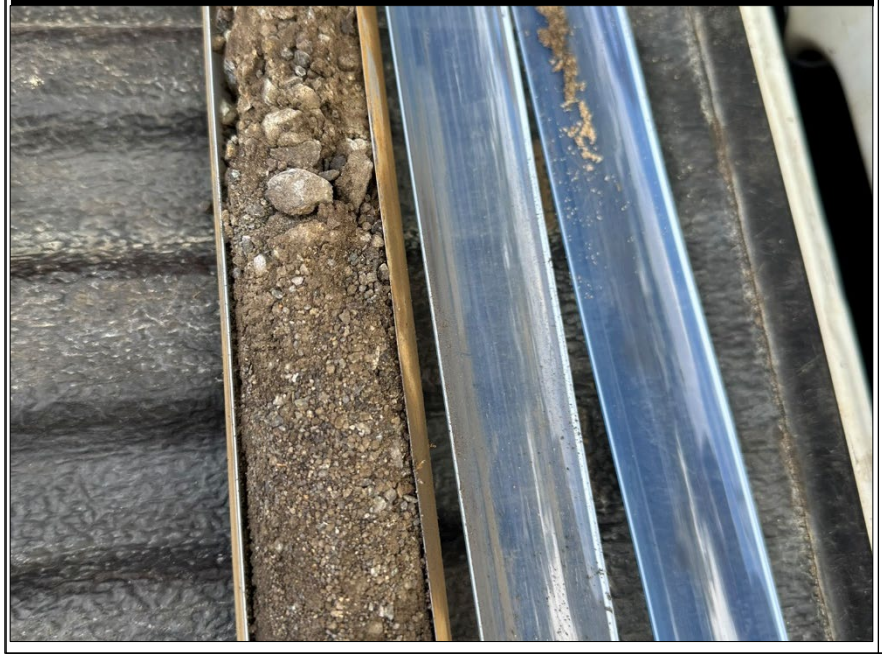
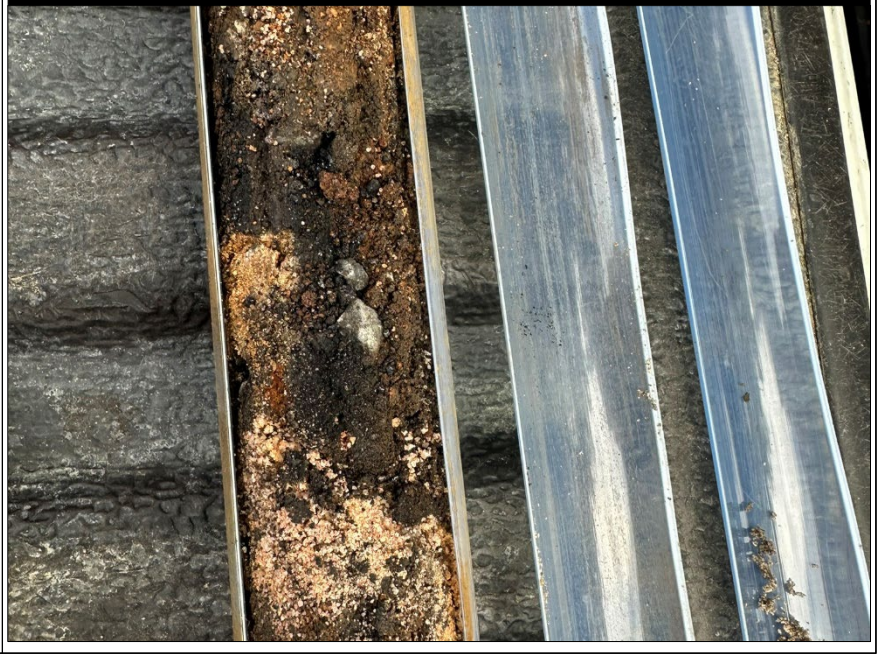


PHOTO 140: FILL MATERIAL AT JBH25_0.4-0.5 M BGS



JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 141: FILL MATERIAL AT JBH25_0.9-1.0 M BGS

PHOTO 143: NATURAL MATERIAL AT JBH25_1.9-2.0 M BGS (LEFT)

PHOTO 142: NATURAL MATERIAL AT JBH25_1.4-1.5 M BGS (LEFT)

PHOTO 144: DRILLING LOCATION AT JBH26

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South, Waterloo NSW

PHOTO 145: FILL MATERIAL AT JBH26_0.0-0.1 M BGS

PHOTO 147: FILL MATERIAL AT JBH26_0.4-0.5 M BGS

PHOTO 146: FILL MATERIAL AT JBH26_0.2-0.3 M BGS

PHOTO 148: NATURAL MATERIAL AT JBH26_0.9-1.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

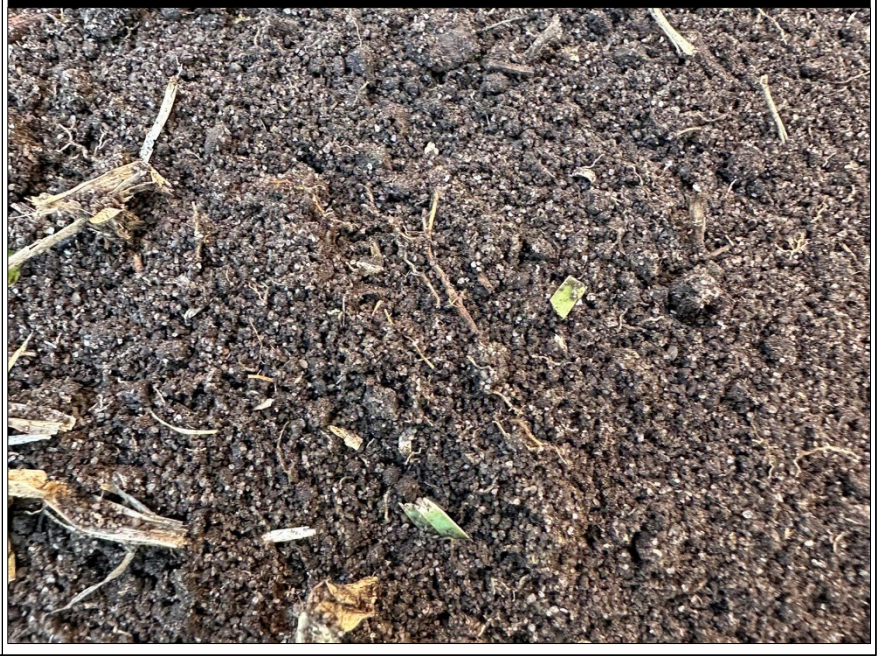
Waterloo Estate South,
Waterloo NSW

PHOTO 149: NATURAL MATERIAL AT JBH26_1.4-0.5 M BGS

PHOTO 151: DRILLING LOCATION AT JBH32

PHOTO 150: NATURAL MATERIAL AT JBH26_1.9-2.0 M BGS (LEFT)

PHOTO 152: FILL MATERIAL AT JBH32_0.0-0.1 M BGS



JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 153: FILL MATERIAL AT JBH32_0.2-0.3 M BGS

PHOTO 155: NATURAL MATERIAL AT JBH32_0.9-1.0 M BGS

PHOTO 154: FILL MATERIAL AT JBH32_0.4-0.5 M BGS

PHOTO 156: NATURAL MATERIAL AT JBH32_1.4-1.5 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 157: NATURAL MATERIAL AT JBH32_1.9-2.0 M BGS

PHOTO 159: NATURAL MATERIAL AT JBH32_3.9-4.0 M BGS

PHOTO 158: NATURAL MATERIAL AT JBH32_2.9-3.0 M BGS

PHOTO 160: NATURAL MATERIAL AT JBH32_4.9-5.0 M BGS

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 161: NATURAL MATERIAL AT JBH32_5.9-6.0 M BGS

PHOTO 163: NATURAL MATERIAL AT JBH32_7.9-8.0 M BGS

PHOTO 162: NATURAL MATERIAL AT JBH32_6.9-7.0 M BGS

PHOTO 164: ACID SULFATE FIELD TESTING (JBH06)

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 165: ACID SULFATE FIELD TESTING (JBH06)

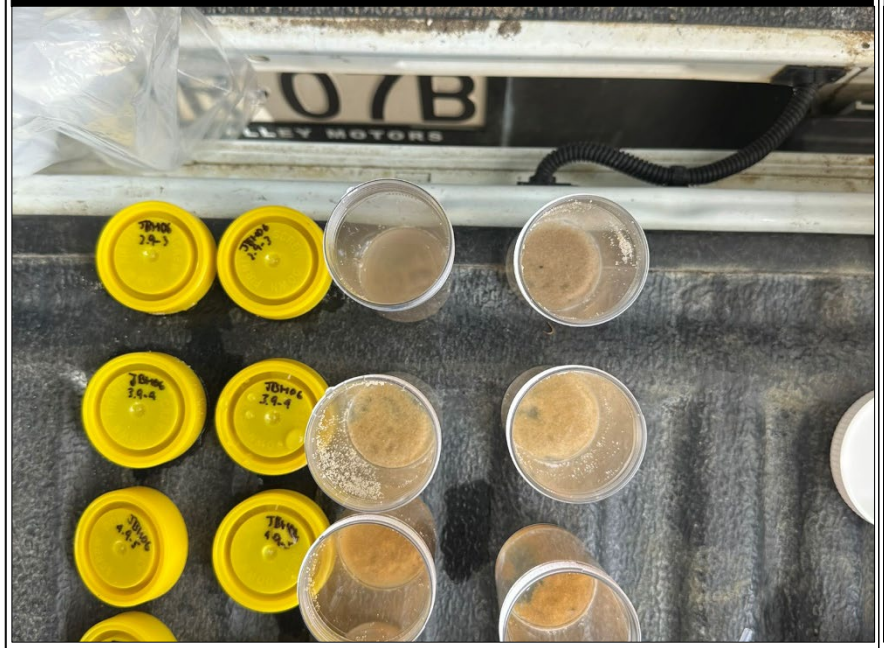


PHOTO 167: ACID SULFATE FIELD TESTING (JBH12)

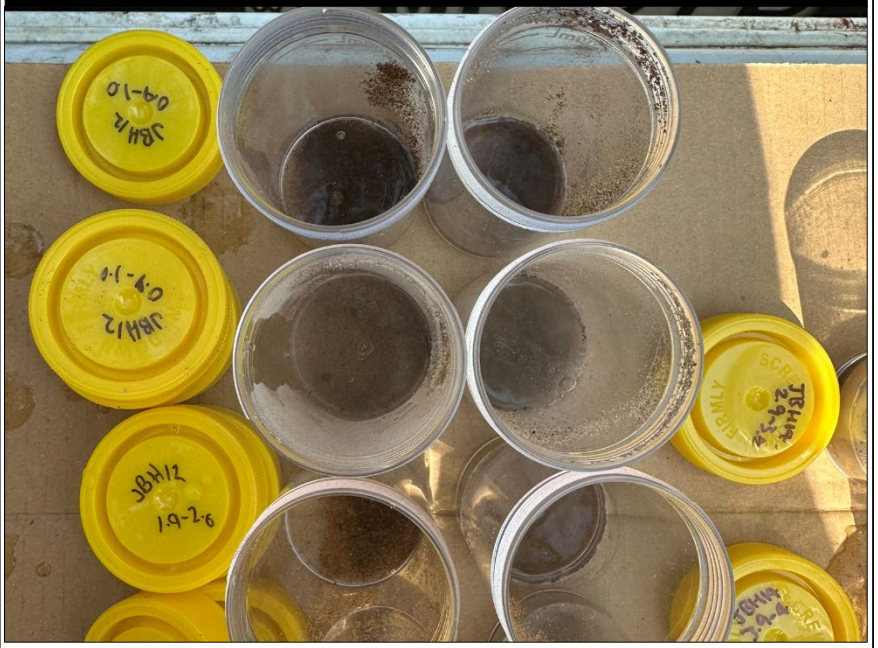


PHOTO 166: ACID SULFATE FIELD TESTING (JBH06)

PHOTO 168: ACID SULFATE FIELD TESTING (JBH12)

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 169: ACID SULFATE FIELD TESTING (JBH12)

PHOTO 171: ACID SULFATE FIELD TESTING (JBH14)

PHOTO 170: ACID SULFATE FIELD TESTING (JBH14)

PHOTO 172: ACID SULFATE FIELD TESTING (JBH14)

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 173: ACID SULFATE FIELD TESTING (JBH20)

PHOTO 174: ACID SULFATE FIELD TESTING (JBH20)

PHOTO 175: ACID SULFATE FIELD TESTING (JBH21)

PHOTO 176: ACID SULFATE FIELD TESTING (JBH21)

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

PHOTO 177: ACID SULFATE FIELD TESTING (JBH21)

PHOTO 179: ACID SULFATE FIELD TESTING (JBH32)

PHOTO 178: ACID SULFATE FIELD TESTING (JBH32)

PHOTO 180: ACID SULFATE FIELD TESTING (JBH32)

JBS&G

Job No: 68063	
Client: Stockland	
Version: L001 Rev A	Date: 27/03/25
Drawn By: EF	Checked By: DS
Not to Scale	
Coord. Sys. GDA2020 MGA Zone 56	

Waterloo Estate South,
Waterloo NSW

Appendix D Calibration and Decontamination Certificates

Field Equipment Calibration and Decontamination

PROJECT NAME: Waterloo South	PROJECT NO: 68063
FIELDWORK DATES: 18/3/2025 - 19/3/2025	SAMPLERS: EF/HRM
TYPE OF INVESTIGATION: Boreholes Investigation	PROJECT MANAGER: DS

CALIBRATION SUMMARY

EQUIPMENT: PID - see attached cal certificate.
CALIBRATION STANDARD:

DATE	TIME	READING (ppm)	COMMENTS

DECONTAMINATION SUMMARY

EQUIPMENT: IP (new development).

1	Was the equipment decontaminated appropriately prior to sampling at each location?	(Y)	N	NA
2	Was excess soil removed by scraping, brushing or wiping with disposable towels?	Y	N	(NA)
3	Was the equipment contaminated with grease, tar or similar material?	Y	(N)	NA
	If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	Y	N	(NA)
4	Was phosphate-free detergent used to wash the equipment?	(Y)	N	NA
5	Was the equipment rinsed with clean water?	(Y)	N	NA
6	Was the equipment then rinsed with deionised water?	(Y)	N	NA
7	Were all sample containers cleaned and acid or solvent washed prior to sample collection?	Y	N	(NA)

WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS

New pair of nitrile gloves worn at each sample location.

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Field Equipment Calibration and Decontamination

PROJECT NAME: Waterloo South	PROJECT NO: 68063
FIELDWORK DATES: 7/4/25 - 8/4/25	SAMPLERS: EF + HM
TYPE OF INVESTIGATION: GME	PROJECT MANAGER: DS

CALIBRATION SUMMARY

EQUIPMENT: NA .
CALIBRATION STANDARD:

DATE	TIME	READING (ppm)	COMMENTS

DECONTAMINATION SUMMARY

EQUIPMENT: IP, bladder

1	Was the equipment decontaminated appropriately prior to sampling at each location?	(Y)	N	NA
2	Was excess soil removed by scraping, brushing or wiping with disposable towels?	Y	N	(NA)
3	Was the equipment contaminated with grease, tar or similar material?	Y	(N)	NA
	If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	Y	N	(NA)
4	Was phosphate-free detergent used to wash the equipment?	(Y)	N	NA
5	Was the equipment rinsed with clean water?	(Y)	N	NA
6	Was the equipment then rinsed with deionised water?	(Y)	N	NA
7	Were all sample containers cleaned and acid or solvent washed prior to sample collection?	Y	N	(NA)

WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS

New pair of nitrile gloves worn at each sample location.

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Expert Testing Services

ABN: 74 619 717 350
Contact: 02 9730 2019
Email: sales@experttesting.com.au
9/171 Power Street, Glendenning NSW 2761

Calibration and Service Report

Company:	ETS Rentals Department	**Manufacturer:**	Honeywell	**Serial #:**	592-906745
Contact:	Aachal Chand	**Instrument:**	MiniRAE 3000	**Asset #:**	-
Address:	9/171 Power Street, GLENDENNING NSW 2761	**Model:**	PGM7320	**Part #:**	-
		Configuration:	VOC	**Sold:**	-
Phone:	02 9730 2019	**Wireless:**	-	**Last Cal:**	18.03.2025
Fax:		**Network ID:**	-	**Job #:**	
Email:	rentals@experttesting.com.au	**Unit ID:**	-	**Cal Spec:**	Std
				Order #:	

Item	Test	Pass/Fail	Comments	Part Code	S/W
Battery	NiCd, NiMH, Dry cell, Li Ion	✓			
Charger	Charger, Power supply	✓			
	Cradle	✓			
Pump	Flow	✓	>500ml/min		
Filter	Filter, fitting, etc	✓			
Alarms	Audible, visual, vibration	✓			
Display	Operation	✓			
Switches	Operation	✓			
PCB	Operation	✓			
Connectors	Condition	✓			
Firmware	Version	✓	Version: 2.22		
Datalogger	Operation	✓			
Monitor Housing	Condition	✓			
Case	Condition/Type	✓			
Sensors					
PID	Lamp	✓			
PID	Sensor	✓			
THP	Sensor	✓			

Engineer's Report

Checked unit settings and configuration – okay
Unit allowed to stabilize and zero calibration performed as per manufacturers specifications
Calibration procedure written and performed to manufacturers specification using traceable gases.

Calibration Certificate

Sensor	Type	Serial No:	Span Gas	Concentration	Traceability Lot #	CF	Reading	
							Zero	Span
PID	10.6eV	-	Isobutylene	100ppm	12027-1-1	1	0	100ppm

Calibrated/Repaired by: **Milenko Sisic** Date: **18.03.2025** Next Due: **18.09.2025**

ISO 9001 Certified ISO 14001 Certified WWW.JAS-ANZ.ORG/REGISTER

Appendix E Groundwater Stabilisation Parameters

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FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo South Estate	Date: 3/4/25	Well ID: MW01
Location: Waterloo	Person sampling: EF/OP/HM/HM	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: Bladder Pump	
Total well Depth (mBTOC): 12.500	☑ Low flow pump	Cycles per minute: 1/2
Screen interval (mBTOC): –	Pump Depth (mBTOC): 11.5	PID (ppm): –
Pre-purge water level (mBTOC): 9.433	Pump start time: 12:53	Pump stop time: 1:58
Post-purge water level (mBTOC): 9.986	☐ Bailer	Calculated bore volume* (L): –

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
12:59	9.546	0.3	21.1	0.62	1099	771	6.30	48.0
~~1:05~~ 1:05	9.603	0.6	21.2	0.29	1098	770	6.65	51.6
1:11	9.642	0.9	21.0	0.28	1080	760	5.84	55.8
1:17	9.618	1.2	21.1	0.29	1070	750	5.80	56.7
1:23	9.633	1.5	21.2	0.28	1068	747	5.80	53.4
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐ Drums ☐ TIT ☐ Sanitary Sewer ☐ Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 2 3 4 (5) **Colour:** brown

Sample bottles collected: 4 x vials, 2 x amber, 1 x green, 1 x HM, 1 x PFAS

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	**Field observations:** weather, low recharge, equipment issues

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

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FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo South Estate	Date: 8/4/25	Well ID: MW02
Location: Waterloo	Person sampling: OP	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: Bladder Pump	
Total well Depth (mBTOC): 3.652	☑ Low flow pump	Cycles per minute: 1/2
Screen interval (mBTOC): [illegible] -	Pump Depth (mBTOC): 3.00 m	PID (ppm): -
Pre-purge water level (mBTOC): 2.210	Pump start time: 11:28	Pump stop time: 12:34
Post-purge water level (mBTOC): 3.087	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
11:34	2.271	0.3	23.7	0.13	1092	729	6.45	-7.8
11:40	2.338	0.6	23.7	0.11	1068	725	6.42	-61.5
11:46	2.382	0.9	23.6	0.08	1081	722	6.34	-89.3
11:52	2.484	1.2	23.4	0.07	1070	720	6.32	[illegible] -109.5
11:58	2.527	1.5	23.4	0.07	1070	718	6.27	-113.6
12:04	2.586	1.8	23.3	0.07	1067	717	6.27	-114.9
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 (2) 3 4 5 **Colour:** brown.

Sample bottles collected: 4xvials, 2xamber, 1xPFAS, 1xgreen, 1xHM

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	Field observations: weather, low recharge, equipment issues

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo estate South	Date: 8/4/25	Well ID: MW04
Location: Waterloo	Person sampling: CD	
Well diameter (mm): ☑ 50 ☐ 100		Sample Device: Bladder
Total well Depth (mBTOC): 5.770	☑ Low flow pump	Cycles per minute: 1/2 min
Screen interval (mBTOC): -	Pump Depth (mBTOC): 4.5m.	PID (ppm): -
Pre-purge water level (mBTOC): 2.423	Pump start time: 10:11	Pump stop time: 11:15
Post-purge water level (mBTOC): 2.787	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☐ (mg/L) ☐ (%)	EC ☐(µs/cm) ☐(ms/cm)	TDS ☐ mg/L ☐ ppK	pH	ORP ☐ (mV) ☐
10:14	2.445	0.3	22.1	0.53	199.8	137.4	4.54	101.9
10:20	2.475	0.6	22.1	0.45	198.3	136.5	4.49	107.8
10:26	2.510	0.9	22.2	0.37	198.2	136.2	4.48	111.1
10:32	2.570	1.2	22.3	0.35	198.6	136.0	4.49	111.6
10:38	2.610	1.5	22.4	0.34	198.8	136.0	4.49	110.8
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☑ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 2 (3) 4 5 **Colour:** Brown

Sample bottles collected: 1x Green, 2x Amber, 4xVials, 1xHM, 1x PFAS

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	**Field observations:** weather, low recharge, equipment issues

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo Estate South	Date: 7/4/25	Well ID: MW105
Location: Waterloo	Person sampling: FF + HM	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: bladder	
Total well Depth (mBTOC): 16.180	☑ Low flow pump	Cycles per minute: 112 min
Screen interval (mBTOC): -	Pump Depth (mBTOC): 16.000	PID (ppm): -
Pre-purge water level (mBTOC): 15.338	Pump start time: 3:02	Pump stop time: 4:14
Post-purge water level (mBTOC): 15.719	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
3:08	-	0.3	22.2	0.53	256.4	179.5	6.03	-1.7
3:14	-	0.6	22.5	0.51	253.8	175.2	6.03	6.5
3:20	-	0.9	22.5	0.51	253.1	174.8	6.02	9.4
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: (1) 2 3 4 5 **Colour:** clear

Sample bottles collected: 4xvials, 1xPFAS, 1xgreen, 2xamber, 1x1L

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)

Field observations: weather, low recharge, equipment issues
Unable to gauge DTW while purging. (bore volume too small)

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo Estate South	Date: 7/4/25	Well ID: MW108
Location: Waterloo	Person sampling: EF + HM	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: bladder	
Total well Depth (mBTOC): 6.400	☑ Low flow pump	Cycles per minute: 1/2 min
Screen interval (mBTOC): -	Pump Depth (mBTOC): ~~4.82~~ 5.00	PID (ppm): -
Pre-purge water level (mBTOC): 2.880	Pump start time: 1:37	Pump stop time: 2:32
Post-purge water level (mBTOC): 3.465	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
1:43	2.875	0.3	22.7	0.69	569	387.0	5.62	100.0
1:49	2.975	0.6	22.2	0.35	563	386.6	5.62	96.6
1:55	3.065	0.9	22.0	0.35	559	385.3	5.62	93.6
2:01	3.09	1.2	22.2	0.34	566	388.8	5.64	91.6
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 (2) 3 4 5 **Colour:** White

Sample bottles collected: 4x vials, 1x green, 2x amber, 1x 1L, 1x PFAS

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	**Field observations:** weather, low recharge, equipment issues

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo Estate South	Date: 7/4/25	Well ID: MW110
Location: Waterloo	Person sampling: EF	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: bladder	
Total well Depth (mBTOC): 15.110	☑ Low flow pump	Cycles per minute: 1/2min
Screen interval (mBTOC): -	Pump Depth (mBTOC): 13.5	PID (ppm): -
Pre-purge water level (mBTOC): 11.000	Pump start time: 8:05	Pump stop time: 10:15
Post-purge water level (mBTOC): 12.521	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
8:10	11.162	0.3	19.1	4.01	428.7	317.6	5.76	2.8
8:16	11.199	0.6	19.6	4.69	455.4	328.6	6.25	7.2
8:22	11.235	0.9	20.0	4.81	458.2	330.0	6.32	10.9
8:28	11.340	1.2	20.0	4.92	458.0	329.1	6.24	16.4
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 2 3 4 (5) **Colour:** grey

Sample bottles collected: 4xvials, 1xPFAS, 1xgreen, 2xamber, 1xHM

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)
QA	dup
QC	trip.

Field observations: weather, low recharge, equipment issues

Sunny

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo South Estate	Date: 7/4/25	Well ID: MW111
Location: Waterloo	Person sampling: EF / HRM	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: bladder Pump	
Total well Depth (mBTOC): 15.170	☑ Low flow pump	Cycles per minute: 1/2
Screen interval (mBTOC): -	Pump Depth (mBTOC): 13.500	PID (ppm): -
Pre-purge water level (mBTOC): 10.147	Pump start time: 12:13	Pump stop time: 1:17
Post-purge water level (mBTOC): 10.732	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
12:21 12:23	10.240	0.3	22.7	2.40	442.0	300.4	5.66	82.8
12:27	10.293	0.6	22.4	2.33	447.2	306.2	5.64	84.3
12:33	10.313	0.9	22.4	2.32	445.8	304.9	5.65	85.0
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 2 (3) 4 5 **Colour:** White

Sample bottles collected: 4x vials, 1x PFAS, 1x green, 2x amber + 1x HM

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	**Field observations:** weather, low recharge, equipment issues

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo South Estate	Date: 7/4/25	Well ID: MW115
Location: Waterloo	Person sampling: EF + HM	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: Bladder pump	
Total well Depth (mBTOC): 12.11	☑ Low flow pump	Cycles per minute: ~~60~~ 1/2
Screen interval (mBTOC): -	Pump Depth (mBTOC): 11.00	PID (ppm): -
Pre-purge water level (mBTOC): 8.965	Pump start time: 10:36	Pump stop time: 11.52
Post-purge water level (mBTOC): 9.437	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
10:40 ~~10:36~~	~~9.055~~ 9.055	0.3	22.2	0.69	389.0	266.9	5.68	63.4
10:46	9.080	0.6	22.7	0.36	393.2	267.2	5.68	57.3
10:52	9.169	0.9	22.9	0.26	397.9	269.3	5.68	55.4
10:58	9.240	1.2	23.1	0.25	405.3	273.8	5.69	53.5
11:04	9.288	1.5	23.2	0.25	417.7	281.0	5.71	51.4
11:10	9.280	1.8	23.4	0.26	421.3	282.3	5.71	46.6
11:16	9.300	2.1	23.3	0.26	419.8	275.5	5.69	43.3
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 2 3 4 (5) **Colour:** ~~grey~~ brown

Sample bottles collected: 4x Vials 1x PFAS, 1x Green, 2x amber, 1x HM

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	**Field observations:** weather, low recharge, equipment issues
		Sunny

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo Estate South	Date: 8/4/25	Well ID: MW121
Location: Waterloo	Person sampling: EF	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: bladder	
Total well Depth (mBTOC): 9.375	☑ Low flow pump	Cycles per minute: 1/2 min
Screen interval (mBTOC): -	Pump Depth (mBTOC): 8.000	PID (ppm): -
Pre-purge water level (mBTOC): 5.310	Pump start time: 7:23	Pump stop time:
Post-purge water level (mBTOC): 5.331	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
7:27	5.332	0.3	19.8	1.13	302.7	218.5	5.69	-40.7
7:33	5.329	0.6	20.1	0.37	306.9	220.1	5.77	-5.7
7:39	5.335	0.9	20.1	0.34	308.5	221.5	5.76	3.5
7:45	5.335	1.2	20.0	0.27	304.4	218.8	5.71	13.1
7:51	5.320	1.5	19.8	0.25	301.7	217.9	5.69	19.9
7:57	5.295	1.8	19.6	0.28	299.5	216.0	5.67	23.0
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong

Sheen: (no) light moderate heavy

Turbidity: 1 2 3 4 (5)

Colour: braun

Sample bottles collected: 2xamber, 4xvials, 1xPFAS, 1xgreen, 1xHM.

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	Field observations: weather, low recharge, equipment issues

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

JBS&G

FIELD RECORD SHEETS- LOW FLOW SAMPLING

Site: Waterloo Estate South	Date: 8/4/25	Well ID: MW124
Location: Waterloo	Person sampling: EF/HM/OP/HM	
Well diameter (mm): ☑ 50 ☐ 100	Sample Device: bladder	
Total well Depth (mBTOC): 8.100	☑ Low flow pump	Cycles per minute: 1/2
Screen interval (mBTOC): -	Pump Depth (mBTOC): 7.000	PID (ppm): -
Pre-purge water level (mBTOC): 4.496	Pump start time: 8:51	Pump stop time: -
Post-purge water level (mBTOC): 4.488	☐ Bailer	Calculated bore volume* (L): -

Field Measurements

Time	water level (mBTOC)	Volume purged (L)	Temp (°C)	DO ☑ (mg/L) ☐ (%)	EC ☑ (µs/cm) ☐ (ms/cm)	TDS ☑ mg/L ☐ ppK	pH	ORP ☑ (mV) ☐
8:55	4.495	0.3	20.3	0.54	422.4	302.0	6.27	67.5
8:01	4.502	0.6	20.5	0.30	432.9	308.1	6.28	60.5
9:07	4.494	0.9	20.5	0.15	436.3	309.9	6.26	55.1
9:13	4.489	1.2	20.6	0.145	436.4	309.4	6.25	52.7
9:19	4.492	1.5	20.6	0.14	431.3	305.9	6.21	51.9
Field stabilisation criteria: (3 consecutive readings)			+/-2	+/- 10 %	+/- 3%	+/- 3%	+/-0.05	+/- 10mV

Discharge Water Disposal: ☐Drums ☐TIT ☐Sanitary Sewer ☐Storm Sewer ☐ Surface ☐ Other

Odour: (no) slight moderate strong **Sheen:** (no) light moderate heavy

Turbidity: 1 2 3 4 (5) **Colour:** Brown

Sample bottles collected: 1xHM, 4xVials, 2xAmber, 1xgreen

QA/QC Sample ID	Sample type (duplicate, triplicate, rinsate, spike, field)	**Field observations:** weather, low recharge, equipment issues

* Bore Volume (Ref: VIC EPA Groundwater Sampling Guidelines) BV = 3.142 * r2h + [0.3 * ((3.142R2h - 3.142r2h)]
For 120mm diameter borehole with 50 mm PVC well casing 1 x BV = 4.7 L [per screened metre water column within the well]

Appendix F Laboratory Documentation

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CERTIFICATE OF ANALYSIS 376261

Client Details

Client	JBS & G (NSW & WA) Pty Ltd
Attention	D Saeed
Address	Level 8, 179 Elizabeth St, Sydney, NSW, 2000

Sample Details

Your Reference	**68063**
Number of Samples	2 Soil
Date samples received	21/03/2025
Date completed instructions received	21/03/2025

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

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

Report Details

Date results requested by	28/03/2025
Date of Issue	28/03/2025

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Asbestos Approved By
Analysed by Asbestos Approved Analyst: Nyovan Moonean
Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By
Dragana Tomas, Senior Chemist
Giovanni Agosti, Group Technical Manager
Lucy Zhu, Asbestos Supervisor
Timothy Toll, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil			
Our Reference		376261-1	376261-2
Your Reference	UNITS	20250318QA-01	20250320QA_02
Date Sampled		18/03/2025	20/03/2025
Type of sample		Soil	Soil
Date extracted	-	24/03/2025	24/03/2025
Date analysed	-	27/03/2025	27/03/2025
TRH C_6 - C_9	mg/kg	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25
vTRH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25
Benzene	mg/kg	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1
m+p-xylene	mg/kg	<2	<2
o-Xylene	mg/kg	<1	<1
Naphthalene	mg/kg	<1	<1
Total +ve Xylenes	mg/kg	<1	<1
Surrogate aaa-Trifluorotoluene	%	111	119

svTRH (C10-C40) in Soil			
Our Reference		376261-1	376261-2
Your Reference	UNITS	20250318QA-01	20250320QA_02
Date Sampled		18/03/2025	20/03/2025
Type of sample		Soil	Soil
Date extracted	-	24/03/2025	24/03/2025
Date analysed	-	28/03/2025	28/03/2025
TRH C_{10} - C_{14}	mg/kg	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100
TRH C_{29} - C_{36}	mg/kg	110	<100
Total +ve TRH (C10-C36)	mg/kg	110	<50
TRH >C_{10} -C_{16}	mg/kg	<50	<50
TRH >C_{10} -C_{16} less Naphthalene (F2)	mg/kg	<50	<50
TRH >C_{16} -C_{34}	mg/kg	130	110
TRH >C_{34} -C_{40}	mg/kg	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	130	110
Surrogate o-Terphenyl	%	91	87

PAHs in Soil			
Our Reference		376261-1	376261-2
Your Reference	UNITS	20250318QA-01	20250320QA_02
Date Sampled		18/03/2025	20/03/2025
Type of sample		Soil	Soil
Date extracted	-	24/03/2025	24/03/2025
Date analysed	-	25/03/2025	25/03/2025
Naphthalene	mg/kg	<0.1	<0.1
Acenaphthylene	mg/kg	0.2	0.2
Acenaphthene	mg/kg	<0.1	<0.1
Fluorene	mg/kg	0.1	0.1
Phenanthrene	mg/kg	1.8	1.7
Anthracene	mg/kg	0.4	0.2
Fluoranthene	mg/kg	2.7	3.4
Pyrene	mg/kg	2.7	3.2
Benzo(a)anthracene	mg/kg	1.2	1.1
Chrysene	mg/kg	1.2	1.2
Benzo(b,j+k)fluoranthene	mg/kg	2.1	2.6
Benzo(a)pyrene	mg/kg	1.6	2.0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	1.4
Dibenzo(a,h)anthracene	mg/kg	0.2	0.2
Benzo(g,h,i)perylene	mg/kg	0.7	1.2
Total +ve PAH's	mg/kg	16	19
Benzo(a)pyrene TEQ calc (zero)	mg/kg	2.2	2.7
Benzo(a)pyrene TEQ calc(half)	mg/kg	2.2	2.7
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	2.2	2.7
Surrogate p-Terphenyl-d14	%	99	96

Organochlorine Pesticides in soil			
Our Reference		376261-1	376261-2
Your Reference	UNITS	20250318QA-01	20250320QA_02
Date Sampled		18/03/2025	20/03/2025
Type of sample		Soil	Soil
Date extracted	-	24/03/2025	24/03/2025
Date analysed	-	25/03/2025	25/03/2025
alpha-BHC	mg/kg	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1
Mirex	mg/kg	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1
Total Positive Aldrin+Dieldrin	mg/kg	<0.1	<0.1
Surrogate 4-Chloro-3-NBTF	%	109	105

PCBs in Soil			
Our Reference		376261-1	376261-2
Your Reference	UNITS	20250318QA-01	20250320QA_02
Date Sampled		18/03/2025	20/03/2025
Type of sample		Soil	Soil
Date extracted	-	24/03/2025	24/03/2025
Date analysed	-	25/03/2025	25/03/2025
Aroclor 1016	mg/kg	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1
Surrogate 2-Fluorobiphenyl	%	106	101

Acid Extractable metals in soil				
Our Reference		376261-1	376261-2	376261-3
Your Reference	UNITS	20250318QA-01	20250320QA_02	20250318QA-01 - [TRIPLICATE]
Date Sampled		18/03/2025	20/03/2025	18/03/2025
Type of sample		Soil	Soil	Soil
Date prepared	-	24/03/2025	24/03/2025	24/03/2025
Date analysed	-	24/03/2025	24/03/2025	24/03/2025
Arsenic	mg/kg	4	14	<4
Cadmium	mg/kg	0.5	0.6	0.4
Chromium	mg/kg	10	9	8
Copper	mg/kg	49	55	45
Lead	mg/kg	350	910	310
Mercury	mg/kg	0.5	0.3	0.5
Nickel	mg/kg	10	5	7
Zinc	mg/kg	360	430	300

Moisture			
Our Reference		376261-1	376261-2
Your Reference	UNITS	20250318QA-01	20250320QA_02
Date Sampled		18/03/2025	20/03/2025
Type of sample		Soil	Soil
Date prepared	-	24/03/2025	24/03/2025
Date analysed	-	25/03/2025	25/03/2025
Moisture	%	10	15

Asbestos ID - soils NEPM - ASB-001			
Our Reference		376261-1	376261-2
Your Reference	UNITS	20250318QA-01	20250320QA_02
Date Sampled		18/03/2025	20/03/2025
Type of sample		Soil	Soil
Date analysed	-	27/03/2025	27/03/2025
Sample mass tested	g	467.46	607.68
Sample Description	-	Brown sandy soil	Brown fine-grained soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected
Total Asbestos[#1]	g/kg	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	Chrysotile	Chrysotile
ACM >7mm Estimation*	g	–	–
FA and AF Estimation*	g	0.0022	0.0002
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001
Asbestos comments	-	YES	YES

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004. Results reported denoted with * are outside our scope of NATA accreditation. NOTE#1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF relative to the sample mass tested) NOTE#2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres. Estimation = Estimated asbestos weight Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.
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. Total Phosphate determined stochiometrically from Phosphorus (assumed to be present as Phosphate). Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
Metals-021	Determination of Mercury by Cold Vapour AAS.

Method ID	Methodology Summary
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-021/022/025	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD and/or GC-MS/GC-MSMS. 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-022/025	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.
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.

Method ID	Methodology Summary
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-3	[NT]
Date extracted	-			24/03/2025	1	24/03/2025	24/03/2025		24/03/2025	[NT]
Date analysed	-			27/03/2025	1	27/03/2025	27/03/2025		27/03/2025	[NT]
TRH C_6 - C_9	mg/kg	25	Org-023	<25	1	<25	<25	0	111	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-023	<25	1	<25	<25	0	111	[NT]
Benzene	mg/kg	0.2	Org-023	<0.2	1	<0.2	<0.2	0	107	[NT]
Toluene	mg/kg	0.5	Org-023	<0.5	1	<0.5	<0.5	0	109	[NT]
Ethylbenzene	mg/kg	1	Org-023	<1	1	<1	<1	0	113	[NT]
m+p-xylene	mg/kg	2	Org-023	<2	1	<2	<2	0	112	[NT]
o-Xylene	mg/kg	1	Org-023	<1	1	<1	<1	0	110	[NT]
Naphthalene	mg/kg	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	121	1	111	121	9	108	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			24/03/2025	1	24/03/2025	24/03/2025		24/03/2025	[NT]
Date analysed	-			28/03/2025	1	28/03/2025	28/03/2025		28/03/2025	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-020	<50	1	<50	<50	0	125	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-020	<100	1	<100	<100	0	119	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-020	<100	1	110	100	10	114	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-020	<50	1	<50	<50	0	125	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-020	<100	1	130	110	17	119	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-020	<100	1	<100	<100	0	114	[NT]
Surrogate o-Terphenyl	%		Org-020	97	1	91	90	1	108	[NT]

QUALITY CONTROL: PAHs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			24/03/2025	1	24/03/2025	24/03/2025		24/03/2025	[NT]
Date analysed	-			25/03/2025	1	25/03/2025	25/03/2025		25/03/2025	[NT]
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	80	[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	1	0.2	0.2	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	76	[NT]
Fluorene	mg/kg	0.1	Org-022/025	<0.1	1	0.1	<0.1	0	78	[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	1	1.8	0.9	67	80	[NT]
Anthracene	mg/kg	0.1	Org-022/025	<0.1	1	0.4	0.3	29	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	1	2.7	2.1	25	80	[NT]
Pyrene	mg/kg	0.1	Org-022/025	<0.1	1	2.7	2.0	30	76	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	1.2	1	18	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	1	1.2	1	18	72	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	1	2.1	2	5	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	1	1.6	1.3	21	84	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	1	0.9	0.6	40	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	0.2	0.1	67	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	1	0.7	0.5	33	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	90	1	99	98	1	102	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			24/03/2025	1	24/03/2025	24/03/2025		24/03/2025	[NT]
Date analysed	-			25/03/2025	1	25/03/2025	25/03/2025		25/03/2025	[NT]
alpha-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	82	[NT]
HCB	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	94	[NT]
gamma-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	64	[NT]
delta-BHC	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	70	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	84	[NT]
gamma-Chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	78	[NT]
Dieldrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	90	[NT]
Endrin	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	74	[NT]
Endosulfan II	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	92	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	88	[NT]
Methoxychlor	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Mirex	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 4-Chloro-3-NBTF	%		Org-022/025	97	1	109	105	4	111	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date extracted	-			24/03/2025	1	24/03/2025	24/03/2025		24/03/2025	[NT]
Date analysed	-			25/03/2025	1	25/03/2025	25/03/2025		25/03/2025	[NT]
Aroclor 1016	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	83	[NT]
Aroclor 1260	mg/kg	0.1	Org-021/022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate 2-Fluorobiphenyl	%		Org-021/022/025	94	1	106	102	4	109	[NT]

QUALITY CONTROL: Acid Extractable metals in soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-3	[NT]
Date prepared	-			24/03/2025	1	24/03/2025	24/03/2025		24/03/2025	[NT]
Date analysed	-			24/03/2025	1	24/03/2025	24/03/2025		24/03/2025	[NT]
Arsenic	mg/kg	4	Metals-020	<4	1	4	4	0	105	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	0.5	<0.4	22	97	[NT]
Chromium	mg/kg	1	Metals-020	<1	1	10	8	22	101	[NT]
Copper	mg/kg	1	Metals-020	<1	1	49	50	2	110	[NT]
Lead	mg/kg	1	Metals-020	<1	1	350	310	12	97	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	1	0.5	0.5	0	111	[NT]
Nickel	mg/kg	1	Metals-020	<1	1	10	6	50	106	[NT]
Zinc	mg/kg	1	Metals-020	<1	1	360	310	15	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.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

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 376261-1 for Ni. Therefore a triplicate result has been issued as laboratory sample number 376261-3.

PAHs in Soil - The RPD for duplicate results is accepted due to the non homogenous nature of sample/s 376261-1.

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

Factual description of asbestos identified in the soil samples: NEPM
Sample 376261-1; Chrysotile asbestos identified in 0.0027g of fibrous matted material
Sample 376261-2; Chrysotile asbestos identified in 0.0002g of fibrous matted material

Envirolab Page 1 of 1

Chain of Custody

JBS&G

PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: Waterloo Estate South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) asaeed@jbsg.com.au; (3) efonti@jbsg.com.au jbsglabreports@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

	SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Suite S	Asbestos	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
1	20250318QA-01	Soil	18/3	-	Jar, bag + PFAS		X	X		X	
2	20250320QA-02	↓	2013	↓	↓		X	X		X	

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 376261
Date Received: 21/3/25
Time Received: 1730
Received By: DL
Temp: (Cool)/Ambient
Cooling: (Ice)/Icepack
Security: Intact/Broken/None

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza Fonti DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME: Da Hyunlee	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: 21/3/25	COOLER TEMP 1 deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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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	JBS & G (NSW & WA) Pty Ltd
Attention	D Saeed

Sample Login Details

Your reference	68063
Envirolab Reference	376261
Date Sample Received	21/03/2025
Date Instructions Received	21/03/2025
Date Results Expected to be Reported	28/03/2025

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	2 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	2
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

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

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
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Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	PCBs in Soil	Acid Extractable metalsin soil	Asbestos ID - soils NEPM - ASB-001
20250318QA-01	✓	✓	✓	✓	✓	✓	✓
20250320QA_02	✓	✓	✓	✓	✓	✓	✓

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 377597

Client Details

Client	JBS & G (NSW & WA) Pty Ltd
Attention	D Saeed
Address	Level 8, 179 Elizabeth St, Sydney, NSW, 2000

Sample Details

Your Reference	**68063**
Number of Samples	1 Water
Date samples received	07/04/2025
Date completed instructions received	07/04/2025

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	14/04/2025
Date of Issue	11/04/2025

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Diego Bigolin, Inorganics Supervisor
Dragana Tomas, Senior Chemist
Giovanni Agosti, Group Technical Manager
Liam Timmins, Organics Supervisor
Sean McAlary, Senior Chemist
Timothy Toll, Senior Chemist

Authorised By
Nancy Zhang, Laboratory Manager

VOCs in water		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date Extracted	-	09/04/2025
Date Analysed	-	10/04/2025
Dichlorodifluoromethane	µg/L	<10
Chloromethane	µg/L	<10
Vinyl Chloride	µg/L	<10
Bromomethane	µg/L	<10
Chloroethane	µg/L	<10
Trichlorofluoromethane	µg/L	<10
1,1-Dichloroethene	µg/L	<1
Trans-1,2-dichloroethene	µg/L	<1
1,1-dichloroethane	µg/L	<1
Cis-1,2-dichloroethene	µg/L	<1
Bromochloromethane	µg/L	<1
Chloroform	µg/L	8
2,2-dichloropropane	µg/L	<1
1,2-dichloroethane	µg/L	<1
1,1,1-trichloroethane	µg/L	<1
1,1-dichloropropene	µg/L	<1
Cyclohexane	µg/L	2
Carbon tetrachloride	µg/L	<1
Benzene	µg/L	<1
Dibromomethane	µg/L	<1
1,2-dichloropropane	µg/L	<1
Trichloroethene	µg/L	<1
Bromodichloromethane	µg/L	<1
trans-1,3-dichloropropene	µg/L	<1
cis-1,3-dichloropropene	µg/L	<1
1,1,2-trichloroethane	µg/L	<1
Toluene	µg/L	<1
1,3-dichloropropane	µg/L	<1
Dibromochloromethane	µg/L	<1
1,2-dibromoethane	µg/L	<1
Tetrachloroethene	µg/L	<1
1,1,1,2-tetrachloroethane	µg/L	<1
Chlorobenzene	µg/L	<1
Ethylbenzene	µg/L	<1

VOCs in water		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Bromoform	µg/L	<1
m+p-xylene	µg/L	<2
Styrene	µg/L	<1
1,1,2,2-tetrachloroethane	µg/L	<1
o-xylene	µg/L	<1
1,2,3-trichloropropane	µg/L	<1
Isopropylbenzene	µg/L	<1
Bromobenzene	µg/L	<1
n-propyl benzene	µg/L	<1
2-chlorotoluene	µg/L	<1
4-chlorotoluene	µg/L	<1
1,3,5-trimethyl benzene	µg/L	<1
Tert-butyl benzene	µg/L	<1
1,2,4-trimethyl benzene	µg/L	<1
1,3-dichlorobenzene	µg/L	<1
Sec-butyl benzene	µg/L	<1
1,4-dichlorobenzene	µg/L	<1
4-isopropyl toluene	µg/L	<1
1,2-dichlorobenzene	µg/L	<1
n-butyl benzene	µg/L	<1
1,2-dibromo-3-chloropropane	µg/L	<1
1,2,4-trichlorobenzene	µg/L	<1
Hexachlorobutadiene	µg/L	<1
1,2,3-trichlorobenzene	µg/L	<1
Surrogate Dibromofluoromethane	%	100
Surrogate Toluene-d8	%	101
Surrogate 4-Bromofluorobenzene	%	78

vTRH in Water (C6-C9), NEPM (C6-C10)		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date extracted	-	09/04/2025
Date analysed	-	10/04/2025
TRH C_6 - C_9	µg/L	17
TRH C_6 - C_{10}	µg/L	17
Surrogate Dibromofluoromethane	%	100
Surrogate Toluene-d8	%	101
Surrogate 4-Bromofluorobenzene	%	78

svTRH (C10-C40) in Water		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date extracted	-	08/04/2025
Date analysed	-	08/04/2025
TRH C_{10} - C_{14}	µg/L	<50
TRH C_{15} - C_{28}	µg/L	<100
TRH C_{29} - C_{36}	µg/L	<100
Total +ve TRH (C10-C36)	µg/L	<50
TRH >C_{10} - C_{16}	µg/L	<50
TRH >C_{16} - C_{34}	µg/L	<100
TRH >C_{34} - C_{40}	µg/L	<100
Total +ve TRH (>C10-C40)	µg/L	<50
Surrogate o-Terphenyl	%	83

PAHs in Water		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date extracted	-	08/04/2025
Date analysed	-	09/04/2025
Naphthalene	µg/L	<0.1
Acenaphthylene	µg/L	<0.1
Acenaphthene	µg/L	<0.1
Fluorene	µg/L	<0.1
Phenanthrene	µg/L	<0.1
Anthracene	µg/L	<0.1
Fluoranthene	µg/L	<0.1
Pyrene	µg/L	<0.1
Benzo(a)anthracene	µg/L	<0.1
Chrysene	µg/L	<0.1
Benzo(b,j+k)fluoranthene	µg/L	<0.2
Benzo(a)pyrene	µg/L	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	<0.1
Dibenzo(a,h)anthracene	µg/L	<0.1
Benzo(g,h,i)perylene	µg/L	<0.1
Benzo(a)pyrene TEQ	µg/L	<0.5
Total +ve PAH's	µg/L	<0.1
Surrogate p-Terphenyl-d14	%	97

HM in water - dissolved		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date prepared	-	08/04/2025
Date analysed	-	08/04/2025
Arsenic-Dissolved	µg/L	<1
Cadmium-Dissolved	µg/L	<0.1
Chromium-Dissolved	µg/L	<1
Copper-Dissolved	µg/L	<1
Lead-Dissolved	µg/L	<1
Mercury-Dissolved	µg/L	<0.05
Nickel-Dissolved	µg/L	52
Zinc-Dissolved	µg/L	16

PFAS in Waters Trace Extended		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date prepared	-	09/04/2025
Date analysed	-	09/04/2025
Perfluorobutanesulfonic acid	µg/L	0.0006
Perfluoropentanesulfonic acid	µg/L	<0.001
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.0026
Perfluoroheptanesulfonic acid	µg/L	<0.001
Perfluorooctanesulfonic acid PFOS	µg/L	0.024
Perfluorodecanesulfonic acid	µg/L	<0.002
Perfluorobutanoic acid	µg/L	<0.02
Perfluoropentanoic acid	µg/L	0.002
Perfluorohexanoic acid	µg/L	0.002
Perfluoroheptanoic acid	µg/L	0.0006
Perfluorooctanoic acid PFOA	µg/L	0.001
Perfluorononanoic acid	µg/L	<0.001
Perfluorodecanoic acid	µg/L	<0.002
Perfluoroundecanoic acid	µg/L	<0.002
Perfluorododecanoic acid	µg/L	<0.005
Perfluorotridecanoic acid	µg/L	<0.01
Perfluorotetradecanoic acid	µg/L	<0.05
4:2 FTS	µg/L	<0.001
6:2 FTS	µg/L	<0.0004
8:2 FTS	µg/L	<0.0004
10:2 FTS	µg/L	<0.002
Perfluorooctane sulfonamide	µg/L	<0.01
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05
N-Ethyl perfluorooctanesulfon amide	µg/L	<0.1
N-Me perfluorooctanesulfonamid oethanol	µg/L	<0.05
N-Et perfluorooctanesulfonamid oethanol	µg/L	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.002
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.002
Surrogate $^{13}C_8$ *PFOS*	%	104
Surrogate $^{13}C_2$ *PFOA*	%	137
Extracted ISTD $^{13}C_3$ *PFBS*	%	62
Extracted ISTD $^{18}O_2$ *PFHxS*	%	81
Extracted ISTD $^{13}C_4$ *PFOS*	%	58
Extracted ISTD $^{13}C_4$ *PFBA*	%	#

PFAS in Waters Trace Extended		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Extracted ISTD $^{13}C_3$ *PFPeA*	%	36
Extracted ISTD $^{13}C_2$ *PFHxA*	%	60
Extracted ISTD $^{13}C_4$ *PFHpA*	%	60
Extracted ISTD $^{13}C_4$ *PFOA*	%	68
Extracted ISTD $^{13}C_5$ *PFNA*	%	57
Extracted ISTD $^{13}C_2$ *PFDA*	%	92
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	99
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	76
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	88
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	108
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	179
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	#
Extracted ISTD $^{13}C_8$ *FOSA*	%	80
Extracted ISTD d_3 *N MeFOSA*	%	94
Extracted ISTD d_5 *N EtFOSA*	%	88
Extracted ISTD d_7 *N MeFOSE*	%	98
Extracted ISTD d_9 *N EtFOSE*	%	93
Extracted ISTD d_3 *N MeFOSAA*	%	89
Extracted ISTD d_5 *N EtFOSAA*	%	187
Total Positive PFHxS & PFOS	µg/L	0.027
Total Positive PFOS & PFOA	µg/L	0.025
Total Positive PFAS	µg/L	0.034

Miscellaneous Inorganics		
Our Reference	UNITS	377597-1
Your Reference		QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date prepared	-	07/04/2025
Date analysed	-	07/04/2025
pH	pH Units	6.7
Electrical Conductivity	µS/cm	470

Cations in water Dissolved		
Our Reference		377597-1
Your Reference	UNITS	QA10250407
Date Sampled		07/04/2025
Type of sample		Water
Date digested	-	08/04/2025
Date analysed	-	09/04/2025
Calcium - Dissolved	mg/L	24
Magnesium - Dissolved	mg/L	3
Hardness (calc) equivalent $CaCO_3$	mg/L	72

Method ID	Methodology Summary
Inorg-001	pH - Measured using pH meter and electrode. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell.
Metals-020	Determination of various metals by ICP-AES. Total Phosphate determined stochiometrically from Phosphorus (assumed to be present as Phosphate). Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS. Please note for Bromine and Iodine, any forms of these elements that are present are included together in the one result reported for each of these two elements. Where salts (oxides, chlorides etc.) are calculated from the element concentration stoichiometrically there is no guarantee that the salt form is completely soluble in the acids used in the preparation.
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-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS/GC-MSMS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-023	Water samples are analysed directly 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.

Method ID	Methodology Summary
Org-029	Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3. Analysis is undertaken with LC-MS/MS. PFAS results include the sum of branched and linear isomers where applicable. Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components. Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date Extracted	-			09/04/2025	[NT]	[NT]	[NT]	[NT]	09/04/2025	[NT]
Date Analysed	-			10/04/2025	[NT]	[NT]	[NT]	[NT]	10/04/2025	[NT]
Dichlorodifluoromethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloromethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromomethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	93	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroform	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	87	[NT]
2,2-dichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	94	[NT]
1,1,1-trichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	93	[NT]
1,1-dichloropropene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Cyclohexane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	88	[NT]
Dibromomethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Bromodichloromethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	95	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Toluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	94	[NT]
1,3-dichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
1,2-dibromoethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	94	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Bromoform	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
m+p-xylene	µg/L	2	Org-023	<2	[NT]	[NT]	[NT]	[NT]	97	[NT]
Styrene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: VOCs in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
o-xylene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
1,2,3-trichloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	100	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate Toluene-d8	%		Org-023	99	[NT]	[NT]	[NT]	[NT]	101	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	101	[NT]	[NT]	[NT]	[NT]	103	[NT]

QUALITY CONTROL: vTRH in Water (C6-C9), NEPM (C6-C10)					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			09/04/2025	[NT]	[NT]	[NT]	[NT]	09/04/2025	[NT]
Date analysed	-			09/04/2025	[NT]	[NT]	[NT]	[NT]	09/04/2025	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	94	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	94	[NT]
Surrogate Dibromofluoromethane	%		Org-023	100	[NT]	[NT]	[NT]	[NT]	100	[NT]
Surrogate Toluene-d8	%		Org-023	99	[NT]	[NT]	[NT]	[NT]	101	[NT]
Surrogate 4-Bromofluorobenzene	%		Org-023	101	[NT]	[NT]	[NT]	[NT]	103	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	377597-1
Date extracted	-			08/04/2025	[NT]	[NT]	[NT]	[NT]	08/04/2025	08/04/2025
Date analysed	-			08/04/2025	[NT]	[NT]	[NT]	[NT]	08/04/2025	08/04/2025
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	97	102
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	109	112
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	114	92
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	97	102
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	109	112
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	114	92
Surrogate o-Terphenyl	%		Org-020	77	[NT]	[NT]	[NT]	[NT]	88	112

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	377597-1
Date extracted	-			08/04/2025	[NT]	[NT]	[NT]	[NT]	08/04/2025	08/04/2025
Date analysed	-			09/04/2025	[NT]	[NT]	[NT]	[NT]	09/04/2025	09/04/2025
Naphthalene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	63	63
Acenaphthylene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	74	74
Fluorene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	86	89
Phenanthrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	76	77
Anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	75	71
Pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	78	76
Benzo(a)anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	75	73
Benzo(b,j+k)fluoranthene	µg/L	0.2	Org-022/025	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	65	62
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	0.1	Org-022/025	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	91	[NT]	[NT]	[NT]	[NT]	87	90

QUALITY CONTROL: HM in water - dissolved						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	[NT]
Date prepared	-			08/04/2025	[NT]	[NT]	[NT]	[NT]	08/04/2025	[NT]
Date analysed	-			08/04/2025	[NT]	[NT]	[NT]	[NT]	08/04/2025	[NT]
Arsenic-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Cadmium-Dissolved	µg/L	0.1	Metals-022	<0.1	[NT]	[NT]	[NT]	[NT]	95	[NT]
Chromium-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	95	[NT]
Copper-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
Lead-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Mercury-Dissolved	µg/L	0.05	Metals-021	<0.05	[NT]	[NT]	[NT]	[NT]	92	[NT]
Nickel-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Zinc-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]

QUALITY CONTROL: PFAS in Waters Trace Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			09/04/2025	1	09/04/2025	09/04/2025		09/04/2025	[NT]
Date analysed	-			09/04/2025	1	09/04/2025	09/04/2025		09/04/2025	[NT]
Perfluorobutanesulfonic acid	µg/L	0.0004	Org-029	<0.0004	1	0.0006	0.0005	18	98	[NT]
Perfluoropentanesulfonic acid	µg/L	0.001	Org-029	<0.001	1	<0.001	<0.001	0	109	[NT]
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.0002	Org-029	<0.0002	1	0.0026	0.0026	0	102	[NT]
Perfluoroheptanesulfonic acid	µg/L	0.001	Org-029	<0.001	1	<0.001	<0.001	0	96	[NT]
Perfluorooctanesulfonic acid PFOS	µg/L	0.0002	Org-029	<0.0002	1	0.024	0.025	4	105	[NT]
Perfluorodecanesulfonic acid	µg/L	0.002	Org-029	<0.002	1	<0.002	<0.002	0	109	[NT]
Perfluorobutanoic acid	µg/L	0.002	Org-029	<0.002	1	<0.02	<0.02	0	97	[NT]
Perfluoropentanoic acid	µg/L	0.002	Org-029	<0.002	1	0.002	0.002	0	101	[NT]
Perfluorohexanoic acid	µg/L	0.0004	Org-029	<0.0004	1	0.002	0.002	0	92	[NT]
Perfluoroheptanoic acid	µg/L	0.0004	Org-029	<0.0004	1	0.0006	0.0007	15	99	[NT]
Perfluorooctanoic acid PFOA	µg/L	0.0002	Org-029	<0.0002	1	0.001	0.001	0	94	[NT]
Perfluorononanoic acid	µg/L	0.001	Org-029	<0.001	1	<0.001	<0.001	0	113	[NT]
Perfluorodecanoic acid	µg/L	0.002	Org-029	<0.002	1	<0.002	<0.002	0	119	[NT]
Perfluoroundecanoic acid	µg/L	0.002	Org-029	<0.002	1	<0.002	<0.002	0	120	[NT]
Perfluorododecanoic acid	µg/L	0.005	Org-029	<0.005	1	<0.005	<0.005	0	128	[NT]
Perfluorotridecanoic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	135	[NT]
Perfluorotetradecanoic acid	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	84	[NT]
4:2 FTS	µg/L	0.001	Org-029	<0.001	1	<0.001	<0.001	0	106	[NT]
6:2 FTS	µg/L	0.0004	Org-029	<0.0004	1	<0.0004	<0.0004	0	108	[NT]
8:2 FTS	µg/L	0.0004	Org-029	<0.0004	1	<0.0004	<0.0004	0	97	[NT]
10:2 FTS	µg/L	0.002	Org-029	<0.002	1	<0.002	<0.002	0	118	[NT]
Perfluorooctane sulfonamide	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	109	[NT]
N-Methyl perfluorooctane sulfonamide	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	110	[NT]
N-Ethyl perfluorooctanesulfon amide	µg/L	0.1	Org-029	<0.1	1	<0.1	<0.1	0	117	[NT]
N-Me perfluorooctanesulfonamid oethanol	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	94	[NT]
N-Et perfluorooctanesulfonamid oethanol	µg/L	0.5	Org-029	<0.5	1	<0.5	<0.5	0	108	[NT]
MePerfluorooctanesulf- amid oacetic acid	µg/L	0.002	Org-029	<0.002	1	<0.002	<0.002	0	105	[NT]
EtPerfluorooctanesulf- amid oacetic acid	µg/L	0.002	Org-029	<0.002	1	<0.002	<0.002	0	105	[NT]
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	97	1	104	106	2	102	[NT]
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	105	1	137	111	21	100	[NT]

QUALITY CONTROL: PFAS in Waters Trace Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	76	1	62	81	27	74	[NT]
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	76	1	81	90	11	77	[NT]
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	67	1	58	54	7	67	[NT]
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	88	1	#	#		92	[NT]
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	78	1	36	46	24	83	[NT]
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	79	1	60	64	6	87	[NT]
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	77	1	60	60	0	83	[NT]
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	74	1	68	72	6	83	[NT]
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	73	1	57	58	2	68	[NT]
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	75	1	92	95	3	66	[NT]
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	76	1	99	104	5	71	[NT]
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	76	1	76	77	1	77	[NT]
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	44	1	88	99	12	44	[NT]
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	106	1	108	108	0	109	[NT]
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	100	1	179	159	12	97	[NT]
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	95	1	#	#		108	[NT]
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	69	1	80	92	14	66	[NT]
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	100	1	94	100	6	93	[NT]
Extracted ISTD d_5 *N EtFOSA*	%		Org-029	93	1	88	94	7	87	[NT]
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	103	1	98	98	0	94	[NT]

QUALITY CONTROL: PFAS in Waters Trace Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	100	1	93	95	2	89	[NT]
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	71	1	89	89	0	80	[NT]
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	86	1	187	189	1	98	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			07/04/2025	[NT]	[NT]	[NT]	[NT]	07/04/2025	[NT]
Date analysed	-			07/04/2025	[NT]	[NT]	[NT]	[NT]	07/04/2025	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	102	[NT]
Electrical Conductivity	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	106	[NT]

QUALITY CONTROL: Cations in water Dissolved						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date digested	-			08/04/2025	[NT]	[NT]	[NT]	[NT]	08/04/2025	[NT]
Date analysed	-			09/04/2025	[NT]	[NT]	[NT]	[NT]	09/04/2025	[NT]
Calcium - Dissolved	mg/L	0.5	Metals-020	<0.5	[NT]	[NT]	[NT]	[NT]	94	[NT]
Magnesium - Dissolved	mg/L	0.5	Metals-020	<0.5	[NT]	[NT]	[NT]	[NT]	91	[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.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

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

For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).

Chain of Custody

JBS&G

PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: Waterloo South	SAMPLERS: E. Fonti
DATE NEEDED BY: STD	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) @jbsg.com.au; (3) E.fonti@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	Heavy Metals	DAH (low level)	TRH/VOCs	PFAS (Ultra)	pH/EC/Hardness	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
QA7025 04 07	water	07/04		Vial/G Amber metals/PFAS Inorganics/ice		X	X	X	X	X			

ENVIROLAB GROUP
Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200
Job No: 377597
Date Received: 7/4/25
Time Received: 16:10
Received By: NDM
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: DAVID GOOD DATE: 07/04/25. OF: JBS&G	CONSIGNMENT NOTE NO. TRANSPORT CO.	NAME: Kal Math DATE: 7/4/25 OF: EIS 340	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP 6 deg C
NAME: DATE: OF:	CONSIGNMENT NOTE NO. TRANSPORT CO	NAME: DATE: OF:	COOLER SEAL – Yes..... No ..... Intact ..... Broken ..... COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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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	JBS & G (NSW & WA) Pty Ltd
Attention	D Saeed

Sample Login Details

Your reference	68063
Envirolab Reference	377597
Date Sample Received	07/04/2025
Date Instructions Received	07/04/2025
Date Results Expected to be Reported	14/04/2025

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	1 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	6
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

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

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	VOCs in water	vTRH in Water (C6-C9), NEPM (C6-C10)	svTRH (C10-C40) in Water	PAHs in Water	HM in water - dissolved	PFAS in Waters Trace Extended	pH	Electrical Conductivity	Cations in water Dissolved
QA10250407	✓	✓	✓	✓	✓	✓	✓	✓	✓

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.

Eurofins Page 1 of 8

Chain of Custody

JBS&G

PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: Water100 South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) dsaeed@jbsg.com.au; (3) efonti@jbsg.com.au jbsglabresults@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH/BTEX	VOCs	Asbestos	OCPs	PCBs	SPOCAS	PFAS	pH, CEC, % clay	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH02 - 0-0.1	soil	19/3/25	-	jar, bag + PFAS tice			X			X	X	X		X			X	
0.2-0.3						X	X			X							X	
0.4-0.5																		
0.9-1.0																		
1.4-1.5																		
1.9-2.0																		
JBH03 - 0-0.1						X	X	X		X	X	X					X	
0.2-0.3							X			X							X	
0.4-0.5																		
0.9-1.0																		
1.4-1.5																		
1.9-2.0														X	X			
JBH04 - 0-0.1		20/3/25					X											
0.2-0.3							X							X				
0.4-0.5						X												
0.9-1.0								X										
1.4-1.5																		
1.9-2.0																		
JBH05 - 0-0.1		19/3					X			X							X	

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza Fonti DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME: Rihan Amaya DATE: 21/3/25	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	OF:	COOLER TEMP 5.6°C deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE: 21/3 6:40pm	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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Eurofins Page 2 of 8

Chain of Custody

JBS&G

PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: Waterloo Estate South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) asareed@jbsg.com.au; (3) efonh@jbsg.com.au jbsglabresults@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH/BTEX	VOCs	Asbestos	OCPs	PCBs	SPOCAS	PFAS	Fraction organic	Carbon	pH, CEC, %clay	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH05_0.2-0.3	Soil	9/3	-	jar, bag - PFAS		X	X	X		X	X	X							X	
0.4-0.5						X	X	X		X									X	
0.9-1.0						X	X			X									X	
1.4-1.5														X						
1.9-2.0																				
JBH06_0-0.1						X	X			X	X	X		X					X	
0.2-0.3							X			X							X		X	
0.4-0.5						X	X			X							X		X	
0.9-1.0				jar, PFAS + SPOCAS										X						
1.4-1.5						X														
1.9-2.0								X	X											
2.9-3.0																				
3.9-4.0																				
4.9-5.0																				
5.9-6.0																				
6.9-7.0																				
7.9-8.0																				
8.4-8.5								X	X						X					
JBH07_0-0.1				jar, bag, PFAS		X	X			X									X	

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Fonh	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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Chain of Custody

JBS&G

PROJECT NO.: 65063	LABORATORY BATCH NO.:
PROJECT NAME: Wonderlong Estate South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) dsaeed@jbsg.com.au; (3) efonti@jbsg.com.au jbsglabresults@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH/BTEX	VOCs	ASBESTOS	OCPs	PCBs	SPOCAS	PFAS	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH07_0.2-0.3	Soil	19/3	-	jar, bag + PFAS		X											
0.4-0.5														X			
0.9-1.0							X				X	X					
1.4-1.5						X											
1.9-2.0																	
JBH09_0-0.1						X	X			X						X	
0.2-0.3										X				X		X	
0.4-0.5						X	X			X						X	
0.9-1.0						X		X									
1.4-1.5											X	X					
1.9-2.0																	
JBH11_0-0.1						X	X										
0.2-0.3																	
0.4-0.5																	
0.9-1.0														X			
1.4-1.5																	
1.9-2.0																	
JBH12_0-0.1							X			X						X	
0.2-0.3						X	X				X	X					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza Fonti DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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Chain of Custody

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PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: Water100 Estate South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113	
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) dscarr@jbsg.com.au; (3) efont@jbsg.com.au	

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH|BTEX	VOCs	Asbestos	OCPs	PCBs	SPOCAS	PFAS	Fraction organic carbon	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH12 - 0.4-0.5	Soil	19/3	-	jar, bag + PFAS				X										
0.9-1.0				jar, ~~bag~~ PFAS + SPOCAS														
1.4-1.5																		
1.9-2.0																		
2.9-3.0						X												
3.9-4.0																		
4.9-5.0														X				
5.9-6.0													X					
6.9-7.0													X					
7.9-8.0													X		X			
JBH14 - 0-0.1		20/3		jar, bag, PFAS		X	X			X	X	X		X				X
0.2-0.3							X			X								X
0.4-0.5						X	X	X		X								X
0.9-1.0								X										
1.4-1.5																		
1.9-2.0																		
2.9-3.0				jar, PFAS + SPOCAS										X				
3.9-4.0													X					
4.9-5.0													X		X			

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza Font DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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Chain of Custody

JBS&G

PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: Waterloo Estate South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) dsalad@jbsg.com.au; (3) efonti@jbsg.com.au jbsglabresults@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH/BTEX	VOCs	ASBESTOS	OCPs	PCBs	SPOCAS	PFAS	Fraction Organic carbon	pH, CEC, %clay	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH14- 5.9-6.0	Soil	20/3	—	jar, PFAS + SPOCAS									X						
6.9-7.0						X													
7.9-8.0													X	X					
JBH15- 0-0.1				jar, bag + PFAS		X	X							X		X			
0.2-0.3						X	X												
0.4-0.5																			
0.9-1.0																			
1.4-1.5											X	X							
1.9-2.0																			
JBH17- 0-0.1		18/3		jar, bag + PFAS															
0.2-0.3				↓				X	X					X					
0.4-0.5				jar + bag				X	X										
0.9-1.0				jar, bag + PFAS		X													
1.4-1.5				jar + bag															
1.9-2.0				↓															
JBH18- 0-0.1				jar, bag + PFAS															
0.2-0.3						X		X	X		X	X							
0.4-0.5								X											
0.9-1.0														X					

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza Fonti DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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Chain of Custody

JBS&G

PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: Waverley Estate South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) dcared@jbsg.com.au; (3) efont@jbsg.com.au jbsglabresults@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH/BTEX	VOCs	Asbestos	OCPs	PCBs	SPOCAS	PFAS	Fraction organic	Carbon	TB2A	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH20_0-0.1	SOIL	18/3	-	jar, bag + PFAS			X			X									X	
0.2-0.3							X			X									X	
0.4-0.5										X							X		X	
0.9-1.0																				
1.4-1.5						X														
1.9-2.0																				
2.9-3.0				jar PFAS + SPOCAS				X												
3.9-4.0														X						
4.9-5.0													X							
5.9-6.0						X							X							
6.9-7.0													X							
7.9-8.0													X		X					
8.9-9.0													X		X					
JBH21_0-0.1		18/3		bag, jar + PFAS			X													
0.2-0.3				bag + jar																
0.4-0.5				jar + PFAS		X					X	X								
0.9-1.0				↓																
1.4-1.5				bag + jar																
1.9-2.0				↓				X												

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza Font DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE: OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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Eurofins Page 7 of 8

Chain of Custody

JBS&G

PROJECT NO.: 68063	LABORATORY BATCH NO.:
PROJECT NAME: 8 Waterloo Estate South	SAMPLERS: EF
DATE NEEDED BY: Std TAT	QC LEVEL: NEPM (2013)

PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113

SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) d.saeed@jbsg.com.au; (3) e.fonti@jbsg.com.au jbsglabresults@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH/BTEX	VOCs	ASBESTOS	OCPs	PCBs	SPOCAS	PFAS	FOC	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH21 - 2.9-3.0	Soil	8/3	-	jar, PFAS + SPOCAS									X					
3.9-4.0													X	X				
4.9-5.0													X					
5.9-6.0															X			
6.9-7.0																		
7.9-8.0																		
8.2-8.3																		
JBH25 - 0-0.1				bag, jar + PFAS		X	X			X				X			X	
0.1-0.2							X				X	X						
0.2-0.3						X												
0.4-0.5																		
0.9-1.0								X										
1.4-1.5								X										
1.9-2.0																		
JBH26 - 0-0.1				bag + jar + PFAS			X							X				
0.2-0.3						X	X											
0.4-0.5																		
0.9-1.0																		
1.4-1.5																		

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G Fonti	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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Eurofins Page 8 of 8

Chain of Custody

JBS&G

PROJECT NO.: 68063
PROJECT NAME: Waterloo Estate South
DATE NEEDED BY: Std TAT
LABORATORY BATCH NO.:
SAMPLERS: EF
QC LEVEL: NEPM (2013)
PHONE: Sydney 02 8245 0300 | Perth 08 9488 0100 | Brisbane 07 3112 2688 | Melbourne 03 9642 0599 | Adelaide 08 8431 7113
SEND REPORT & INVOICE TO: (1) adminnsw@jbsg.com.au; (2) asaeed@jbsg.com.au; (3) efonti@jbsg.com.au jbsglabresults@jbsg.com.au

COMMENTS / SPECIAL HANDLING / STORAGE OR DISPOSAL:

SAMPLE ID	MATRIX	DATE	TIME	TYPE & PRESERVATIVE	pH	HM	PAH	TRH/BTEX	VOCs	Asbestos	OCPs	PCBs	SPOCAS	PFAS	BTEXN	TB2A	FOC	PH, CEC, %clay	TRG2A	TYPE OF ASBESTOS ANALYSIS: IDENTIFICATION	TYPE OF ASBESTOS ANALYSIS: NEPM/WA	NOTES:
JBH26-1.9-2.0	Soil	18/3	-	jar, bag + PFAS						X	X	X										
JBH32-0-0.1		2013				X	X			X											X	
0.2-0.3										X				X					X		X	
0.4-0.5							X															
0.9-1.0								X														
1.4-1.5				jar, PFAS + SPOCAS									X									
1.9-2.0								X	X				X									
2.9-3.0								X	X				X					X				
3.9-4.0																						
4.9-5.0						X							X									
5.9-6.0													X									
6.9-7.0																						
7.9-8.0													X				X					
20250318QC-01										X						X					X	
20250320QC-02										X						X					X	
TS															X							
TB															X							
FB														X								
JBH18-1.4-1.5								X	X													
1.9-2.0																						

RELINQUISHED BY:	METHOD OF SHIPMENT:	RECEIVED BY:	FOR RECEIVING LAB USE ONLY:
NAME: Eliza Fonti DATE: 21/3/25	CONSIGNMENT NOTE NO.	NAME:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF: JBS&G	TRANSPORT CO.	DATE:	
		OF:	COOLER TEMP ..... deg C
NAME: DATE:	CONSIGNMENT NOTE NO.	NAME: DATE:	COOLER SEAL – Yes..... No ..... Intact ..... Broken .....
OF:	TRANSPORT CO	OF:	COOLER TEMP ..... deg C

Container & Preservative Codes: P = Plastic; J = Soil Jar; B = Glass Bottle; N = Nitric Acid Prsvd.; C = Sodium Hydroxide Prsvd; VC = Hydrochloric Acid Prsvd Vial; VS = Sulfuric Acid Prsvd Vial; S = Sulfuric Acid Prsvd; Z = Zinc Prsvd; E = EDTA Prsvd; ST = Sterile Bottle; O = Other

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1200931

Outlook

Re: Eurofins Sample Receipt Advice - Report 1200931 : Site WATERLOO SOUTH (68063)

From Daniel Saeed <dsaeed@jbsg.com.au>
Date Mon 24/03/2025 2:07 PM
To SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>; Andrew Black <Andrew.Black@eurofinsanz.com>
Cc Eliza Fonti <efonti@jbsg.com.au>

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hey Andrew,

Can I please check if PFAS is scheduled for trace level?

If not can you please change analysis to be trace level.

Regards

Daniel Saeed | Environmental Consultant | JBS&G
Gadigal Country | Level 8 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0452 392 909 | E: dsaeed@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

---

From: Elizabeth Brotherton <EET-ELVIS@eurofinsanz.com>
Sent: Monday, March 24, 2025 2:02:16 PM
To: Daniel Saeed <dsaeed@jbsg.com.au>
Cc: Eliza Fonti <efonti@jbsg.com.au>; S&G Labresults <labresults@jbsg.com.au>
Subject: Eurofins Sample Receipt Advice - Report 1200931 : Site WATERLOO SOUTH (68063)

[EXTERNAL EMAIL] Stop and think before opening attachments, clicking or responding.

Dear Valued Client,

No jar and PFAS tub received for sample JBH25_0.4-0.5, only asbestos bag received. All other samples received according to COC.

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Elizabeth Brotherton
Sample Receipt

Eurofins | Environmental Testing
179 Magowar Road,
GIRRAWEEN, NSW 2145
AUSTRALIA
Phone: +61 02 9900 8421
Email: EnviroSampleNSW@eurofins.com
Website:http://environment.eurofins.com.au
View our latest EnviroNotes

Outlook

RE: Eurofins Sample Receipt Advice - Report 1200931 : Site WATERLOO SOUTH (68063)

From Eliza Fonti <efonti@jbsg.com.au>
Date Mon 24/03/2025 3:32 PM
To Andrew Black <andrewblack@eurofins.com>; SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>; S&G Labresults <labresults@jbsg.com.au>
Cc Daniel Saeed <dsaeed@jbsg.com.au>

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi Andrew,

Can I please request additional analysis on the following samples:
20250318QC_01: VOC and PFAS trace
20250320QC_02: VOC and PFAS trace
JBH20_0.4-0.5: VOC and PFAS trace
JBH32_0.2-0.3: VOC

Can I please also remove the selected analysis from the following samples:
JBH17_0.4-0.5: VOC
JBH18_1.4-1.5: VOC
JBH20_3.9-4.0: PFAS trace

Sorry to add these further changes.

Kind regards,

Eliza Fonti | Project Consultant | JBS&G
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0478 133 926 | E: efonti@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Elizabeth Brotherton <EET-ELVIS@eurofinsanz.com>
Sent: Monday, 24 March 2025 2:47 PM
To: Daniel Saeed <dsaeed@jbsg.com.au>
Cc: Eliza Fonti <efonti@jbsg.com.au>; S&G Labresults <labresults@jbsg.com.au>
Subject: Eurofins Sample Receipt Advice - Report 1200931 : Site WATERLOO SOUTH (68063)

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

Dear Valued Client,

All PFAS analysis has been amended to PFAS trace analysis.

No jar and PFAS tub received for sample JBH25_0.4-0.5, only asbestos bag received. All other samples received according to COC.

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Elizabeth Brotherton
Sample Receipt

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Email: EnviroSampleNSW@eurofins.com
Website:http://environment.eurofins.com.au
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Daniel Saeed
Project name:	WATERLOO SOUTH
Project ID:	68063
Turnaround time:	5 Day
Date/Time received	Mar 24, 2025 6:40 PM
Eurofins reference	1200931

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 5.6 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✗	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

No jar and PFAS tub received for sample JBH25_0.4-0.5, only asbestos bag received. All other samples received according to COC.
Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: Andrew.Black@eurofinsanz.com

Results will be delivered electronically via email to Daniel Saeed - dsaeed@jbsg.com.au.

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web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254			X										X					
Sydney Laboratory - NATA # 1261 Site # 18217		X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780	X										X							
External Laboratory																		

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID														
1	JBH02_0-0.1	Mar 19, 2025		Soil	S25-Ma0053448		X				X	X	X				X						X
2	JBH02_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053449		X				X			X			X						
3	JBH03_0-0.1	Mar 19, 2025		Soil	S25-Ma0053450		X				X	X	X	X			X		X				
4	JBH03_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053451		X				X						X						
5	JBH03_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053452	X				X							X	X					X
6	JBH04_0-0.1	Mar 20, 2025		Soil	S25-Ma0053453						X						X						
7	JBH04_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053454						X						X						
8	JBH04_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053455									X			X						
9	JBH04_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053456												X		X				
10	JBH05_0-0.1	Mar 19, 2025		Soil	S25-Ma0053457		X				X						X						
11	JBH05_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053458		X				X	X	X	X			X		X				
12	JBH05_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053459		X				X			X			X		X				

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Address: Level 8, 179 Elizabeth St
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Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
13	JBH05_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053460		X				X			X			X						
14	JBH05_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053461												X						X
15	JBH06_0-0.1	Mar 19, 2025		Soil	S25-Ma0053462		X				X	X	X	X			X						X
16	JBH06_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053463	X	X			X	X						X	X					
17	JBH06_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053464		X				X			X			X						
18	JBH06_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053465												X						X
19	JBH06_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053466									X			X						
20	JBH06_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053467										X		X		X				
21	JBH06_8.4-8.5	Mar 19, 2025		Soil	S25-Ma0053468			X							X		X		X				
22	JBH07_0-0.1	Mar 19, 2025		Soil	S25-Ma0053469		X				X			X			X						
23	JBH07_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053470									X			X						
24	JBH07_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053471												X						X
25	JBH07_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053472							X	X				X		X				
26	JBH07_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053473									X			X						
27	JBH09_0-0.1	Mar 19, 2025		Soil	S25-Ma0053474		X				X			X			X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
28	JBH09_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053475		X										X						X
29	JBH09_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053476		X				X			X			X						
30	JBH09_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053477									X			X		X				
31	JBH09_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053478							X	X				X						
32	JBH11_0-0.1	Mar 19, 2025		Soil	S25-Ma0053479						X			X			X						
33	JBH11_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053480												X						X
34	JBH12_0-0.1	Mar 19, 2025		Soil	S25-Ma0053481		X				X						X						
35	JBH12_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053482						X	X	X	X			X						
36	JBH12_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053483												X		X				
37	JBH12_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053484									X			X						
38	JBH12_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053485												X						X
39	JBH12_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053486											X	X						
40	JBH12_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053487											X	X						
41	JBH12_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053488			X								X	X						
42	JBH14_0-0.1	Mar 20, 2025		Soil	S25-Ma0053489		X				X	X	X	X			X						X

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370 & 2554

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
43	JBH14_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053490		X				X						X						
44	JBH14_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053491		X				X			X			X		X				
45	JBH14_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053492												X		X				
46	JBH14_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053493												X						X
47	JBH14_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053494											X	X						
48	JBH14_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053495			X								X	X						X
49	JBH14_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053496											X	X						
50	JBH14_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053497									X			X						
51	JBH14_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053498			X								X	X						
52	JBH15_0-0.1	Mar 20, 2025		Soil	S25-Ma0053499	X				X	X			X			X	X					X
53	JBH15_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053500						X			X			X						
54	JBH15_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053501							X	X				X						
55	JBH17_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053502										X		X		X				X
56	JBH17_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053503												X		X				
57	JBH17_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053504									X			X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
58	JBH18_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053505							X	X	X	X		X		X				
59	JBH18_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053506												X		X				
60	JBH18_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053507												X						X
61	JBH20_0-0.1	Mar 18, 2025		Soil	S25-Ma0053508		X				X						X						
62	JBH20_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053509		X				X						X						
63	JBH20_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053510		X								X		X			X			X
64	JBH20_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053511									X			X						
65	JBH20_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053512												X		X				
66	JBH20_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053513				X														
67	JBH20_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053514											X	X						
68	JBH20_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053515									X		X	X						
69	JBH20_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053516											X	X						
70	JBH20_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053517			X								X	X						
71	JBH20_8.9-9.0	Mar 18, 2025		Soil	S25-Ma0053518			X								X	X						
72	JBH21_0-0.1	Mar 18, 2025		Soil	S25-Ma0053519						X						X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
73	JBH21_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053520							X	X	X			X						
74	JBH21_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053521												X		X				
75	JBH21_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053522											X	X						
76	JBH21_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053523											X	X						X
77	JBH21_8.2-8.3	Mar 18, 2025		Soil	S25-Ma0053524			X									X						
78	JBH25_0-0.1	Mar 18, 2025		Soil	S25-Ma0053525		X				X			X			X						X
79	JBH25_0.1-0.2	Mar 18, 2025		Soil	S25-Ma0053526						X	X	X				X						
80	JBH25_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053527									X			X						
81	JBH25_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053528												X		X				
82	JBH25_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053529												X		X				
83	JBH26_0-0.1	Mar 18, 2025		Soil	S25-Ma0053530						X						X						X
84	JBH26_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053531						X			X			X						
85	JBH26_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053532							X	X				X						
86	JBH32_0-0.1	Mar 20, 2025		Soil	S25-Ma0053533		X				X			X			X						
87	JBH32_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053534		X								X		X			X			X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
88	JBH32_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053535						X						X						
89	JBH32_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053536												X		X				
90	JBH32_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053537											X	X						
91	JBH32_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053538										X	X	X		X				
92	JBH32_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053539	X				X					X	X	X	X	X				
93	JBH32_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053540									X		X	X						
94	JBH32_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053541											X	X						
95	JBH32_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053542			X								X	X						
96	20250318QC_01	Mar 18, 2025		Soil	S25-Ma0053543		X								X		X			X			X
97	20250320QC_02	Mar 20, 2025		Soil	S25-Ma0053544		X								X		X			X			X
98	TS	Mar 20, 2025		Water	S25-Ma0053545																	X	
99	TB	Mar 20, 2025		Water	S25-Ma0053546																X		
100	FB	Mar 20, 2025		Water	S25-Ma0053547																		X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
101	JBH18_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053548												X		X				
102	JBH02_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053549				X														
103	JBH02_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053550				X														
104	JBH02_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053551				X														
105	JBH02_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053552				X														
106	JBH03_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053553				X														
107	JBH03_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053554				X														
108	JBH03_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053555				X														
109	JBH04_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053556				X														
110	JBH04_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053557				X														
111	JBH05_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053558				X														
112	JBH06_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053559				X														
113	JBH06_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053560				X														
114	JBH06_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053561				X														
115	JBH06_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053562				X														

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
116	JBH06_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053563				X														
117	JBH06_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053564				X														
118	JBH07_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053565				X														
119	JBH09_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053566				X														
120	JBH11_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053567				X														
121	JBH11_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053568				X														
122	JBH11_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053569				X														
123	JBH11_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053570				X														
124	JBH12_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053571				X														
125	JBH12_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053572				X														
126	JBH12_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053573				X														
127	JBH12_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053574				X														
128	JBH14_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053575				X														
129	JBH14_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053576				X														
130	JBH15_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053577				X														

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Eurofins Environment Testing Australia Pty Ltd
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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370 & 2554

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Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
131	JBH15_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053578				X														
132	JBH15_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053579				X														
133	JBH17_0-0.1	Mar 18, 2025		Soil	S25-Ma0053580				X														
134	JBH17_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053581				X														
135	JBH17_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053582				X														
136	JBH18_0-0.1	Mar 18, 2025		Soil	S25-Ma0053583				X														
137	JBH20_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053584				X														
138	JBH20_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053585				X														
139	JBH21_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053586				X														
140	JBH21_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053587				X														
141	JBH21_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053588				X														
142	JBH21_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053589				X														
143	JBH21_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053590				X														
144	JBH21_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053591				X														
145	JBH21_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053592				X														

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
146	JBH25_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053593				X														
147	JBH25_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053594				X														
148	JBH26_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053595				X														
149	JBH26_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053596				X														
150	JBH26_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053597				X														
151	JBH32_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053598				X														
152	JBH32_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053599				X														
153	JBH18_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053600				X														
Test Counts						4	27	8	53	4	33	13	13	33	10	20	97	4	23	4	1	1	23

Certificate of Analysis

Environment Testing

JBS & G Australia (NSW) P/L
Level 8, 179 Elizabeth St
Sydney
NSW 2000

Attention:	Daniel Saeed
Report	1200931-AID
Project Name	WATERLOO SOUTH
Project ID	68063
Received Date	Mar 24, 2025
Date Reported	Apr 08, 2025

Methodology:

Asbestos Fibre Identification	Conducted in accordance with the Australian Standard AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004 and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques. *NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.*
Man-made vitreous fibre (MMVF)	Fibres exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and bio-soluble fibres. NOTE: previously known as "synthetic mineral fibre" (SMF). Simple analytical procedures such as polarised light microscopy cannot detect or reliably identify asbestos in some types of commercial products containing asbestos, either because the fibres are below the resolution of optical microscopy or because the matrix material adheres too strongly to the fibres. For these types of products, electron microscopy may be necessary.
Subsampling Soil Samples	The sample submitted is dried and passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm and greater than 2 mm and the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2mm fraction is greater than approximately 30 g to 60 g, then a subsampling routine based on ISO 3082:2017(E) is employed. *NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be subsampled for trace analysis, in accordance with AS 5370:2024*.*
Bonded asbestos-containing material (ACM)	The material is first examined, and any fibres are isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 5370:2024*. *NOTE: Even after disintegration, it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.*
Limit of Reporting (LOR)	The performance limitation of the AS 5370:2024* method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01% (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01% (w/w). The NEPM screening level of 0.001% (w/w) is intended as an on-site determination, not a laboratory limit of reporting, per se. Examination of large sample size (e.g., 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 5370:2024*, and hence, NATA Accreditation does not cover the performance of this service (non-NATA results are shown with an asterisk). *NOTE: NATA News March 2014, p.7, states in relation to AS 4964-2004: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.*

Project Name WATERLOO SOUTH
Project ID 68063
Date Sampled Mar 18, 2025 to Mar 20, 2025
Report 1200931-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
JBH02_0-0.1	25-Ma0053448	Mar 19, 2025	Approximate Sample 558g Sample consisted of: Dark-brown coarse-grained sandy soil, glass, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH02_0.2-0.3	25-Ma0053449	Mar 19, 2025	Approximate Sample 672g Sample consisted of: Dark-brown coarse-grained sandy soil, brick, cement, glass, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH03_0-0.1	25-Ma0053450	Mar 19, 2025	Approximate Sample 380g Sample consisted of: Brown coarse-grained sandy soil, brick, cement, plant residue and rocks	FA: Chrysotile and amosite asbestos detected in weathered fibre plaster material. Approximate raw weight of FA = 0.18g Estimated asbestos content in FA = 0.072g* Total estimated asbestos concentration in FA = 0.019% w/w* Organic fibre detected. No trace asbestos detected.
JBH03_0.2-0.3	25-Ma0053451	Mar 19, 2025	Approximate Sample 621g Sample consisted of: Dark-brown coarse-grained sandy soil, glass, cement, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH05_0-0.1	25-Ma0053457	Mar 19, 2025	Approximate Sample 534g Sample consisted of: Brown coarse-grained sandy soil, bitumen, plastic, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. Man-made vitreous fibre detected. No trace asbestos detected.
JBH05_0.2-0.3	25-Ma0053458	Mar 19, 2025	Approximate Sample 714g Sample consisted of: Brown coarse-grained sandy soil, cement, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
JBH05_0.4-0.5	25-Ma0053459	Mar 19, 2025	Approximate Sample 748g Sample consisted of: Brown coarse-grained clayey sandy soil, cement, ceramic tile, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH05_0.9-1.0	25-Ma0053460	Mar 19, 2025	Approximate Sample 729g Sample consisted of: Grey coarse-grained sandy soil, cement, brick, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH06_0-0.1	25-Ma0053462	Mar 19, 2025	Approximate Sample 668g Sample consisted of: Brown coarse-grained sandy soil, glass, cement, brick, corroded metal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH06_0.2-0.3	25-Ma0053463	Mar 19, 2025	Approximate Sample 727g Sample consisted of: Brown coarse-grained sandy soil, corroded metal, cement, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH06_0.4-0.5	25-Ma0053464	Mar 19, 2025	Approximate Sample 847g Sample consisted of: Brown coarse-grained sandy soil, glass, cement, bitumen and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH07_0-0.1	25-Ma0053469	Mar 19, 2025	Approximate Sample 410g Sample consisted of: Grey coarse-grained clayey sandy soil, bitumen and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH09_0-0.1	25-Ma0053474	Mar 19, 2025	Approximate Sample 348g Sample consisted of: Brown coarse-grained sandy soil, cement, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH09_0.2-0.3	25-Ma0053475	Mar 19, 2025	Approximate Sample 612g Sample consisted of: Brown coarse-grained sandy soil, cement, glass, corroded material, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH09_0.4-0.5	25-Ma0053476	Mar 19, 2025	Approximate Sample 793g Sample consisted of: Brown coarse-grained sandy soil, glass, bitumen, cement, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH12_0-0.1	25-Ma0053481	Mar 19, 2025	Approximate Sample 648g Sample consisted of: Dark-brown coarse-grained sandy soil, cement, brick, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH14_0-0.1	25-Ma0053489	Mar 20, 2025	Approximate Sample 796g Sample consisted of: Brown coarse-grained sandy soil, glass, cement, plastic, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH14_0.2-0.3	25-Ma0053490	Mar 20, 2025	Approximate Sample 727g Sample consisted of: Brown coarse-grained clayey sandy soil, glass, cement, corroded metal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH14_0.4-0.5	25-Ma0053491	Mar 20, 2025	Approximate Sample 697g Sample consisted of: Brown coarse-grained clayey sandy soil, cement, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
JBH20_0-0.1	25-Ma0053508	Mar 18, 2025	Approximate Sample 483g Sample consisted of: Dark-brown coarse-grained sandy soil, cement, corroded metal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH20_0.2-0.3	25-Ma0053509	Mar 18, 2025	Approximate Sample 594g Sample consisted of: Dark-brown coarse-grained sandy soil, cement, brick, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH20_0.4-0.5	25-Ma0053510	Mar 18, 2025	Approximate Sample 569g Sample consisted of: Dark-brown coarse-grained sandy soil, coal, glass, cement, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH25_0-0.1	25-Ma0053525	Mar 18, 2025	Approximate Sample 405g Sample consisted of: Brown coarse-grained clayey sandy soil, bitumen and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH32_0-0.1	25-Ma0053533	Mar 20, 2025	Approximate Sample 437g Sample consisted of: Dark-brown coarse-grained clayey sandy soil, plant residue and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
JBH32_0.2-0.3	25-Ma0053534	Mar 20, 2025	Approximate Sample 750g Sample consisted of: Dark-brown coarse-grained sandy soil, glass, cement, brick, ceramic tile and rocks	ACM: Chrysotile asbestos detected in fibre cement fragments. Approximate raw weight of ACM = 4.1g Total estimated asbestos content in ACM = 0.41g* Total estimated asbestos concentration in ACM = 0.054% w/w* FA: Chrysotile and amosite asbestos detectedin weathered fibre cement material. Approximate raw weight of FA = 0.027g Estimated asbestos content in FA = 0.0054g* Total estimated asbestos concentration in FA = 0.00072% w/w* No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20250318QC_01	25-Ma0053543	Mar 18, 2025	Approximate Sample 465g Sample consisted of: Brown coarse-grained sandy soil, glass, coal, cement, brick, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.
20250320QC_02	25-Ma0053544	Mar 20, 2025	Approximate Sample 503.2g Sample consisted of: Dark-brown coarse-grained sandy soil, cement, brick, debris and rocks	FA: Chrysotile and amosite asbestos detected in weathered fibre plaster material. Approximate raw weight of FA = 0.13g Estimated asbestos content in FA = 0.026g* Total estimated asbestos concentration in FA = 0.0051% w/w* Organic fibre detected. No trace asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Sydney	Mar 24, 2025	Indefinite

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254			X										X					
Sydney Laboratory - NATA # 1261 Site # 18217		X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780	X										X							
External Laboratory																		

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID															
1	JBH02_0-0.1	Mar 19, 2025		Soil	S25-Ma0053448		X				X	X	X				X				X	
2	JBH02_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053449		X				X			X			X					
3	JBH03_0-0.1	Mar 19, 2025		Soil	S25-Ma0053450		X				X	X	X	X			X		X			
4	JBH03_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053451		X				X						X					
5	JBH03_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053452	X				X							X	X			X	
6	JBH04_0-0.1	Mar 20, 2025		Soil	S25-Ma0053453						X						X					
7	JBH04_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053454						X						X					
8	JBH04_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053455									X			X					
9	JBH04_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053456												X		X			
10	JBH05_0-0.1	Mar 19, 2025		Soil	S25-Ma0053457		X				X						X					
11	JBH05_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053458		X				X	X	X	X			X		X			
12	JBH05_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053459		X				X			X			X		X			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
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Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
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NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
13	JBH05_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053460		X				X			X			X						
14	JBH05_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053461												X					X	
15	JBH06_0-0.1	Mar 19, 2025		Soil	S25-Ma0053462		X				X	X	X	X			X					X	
16	JBH06_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053463	X	X			X	X						X	X					
17	JBH06_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053464		X				X			X			X						
18	JBH06_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053465												X					X	
19	JBH06_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053466									X			X						
20	JBH06_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053467										X		X		X				
21	JBH06_8.4-8.5	Mar 19, 2025		Soil	S25-Ma0053468			X							X		X		X				
22	JBH07_0-0.1	Mar 19, 2025		Soil	S25-Ma0053469		X				X			X			X						
23	JBH07_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053470									X			X						
24	JBH07_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053471												X					X	
25	JBH07_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053472							X	X				X		X				
26	JBH07_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053473									X			X						
27	JBH09_0-0.1	Mar 19, 2025		Soil	S25-Ma0053474		X				X			X			X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
28	JBH09_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053475		X										X					X	
29	JBH09_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053476		X				X			X			X						
30	JBH09_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053477									X			X		X				
31	JBH09_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053478							X	X				X						
32	JBH11_0-0.1	Mar 19, 2025		Soil	S25-Ma0053479						X			X			X						
33	JBH11_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053480												X					X	
34	JBH12_0-0.1	Mar 19, 2025		Soil	S25-Ma0053481		X				X						X						
35	JBH12_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053482						X	X	X	X			X						
36	JBH12_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053483												X		X				
37	JBH12_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053484									X			X						
38	JBH12_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053485												X					X	
39	JBH12_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053486											X	X						
40	JBH12_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053487											X	X						
41	JBH12_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053488			X								X	X						
42	JBH14_0-0.1	Mar 20, 2025		Soil	S25-Ma0053489		X				X	X	X	X			X					X	

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
43	JBH14_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053490		X				X						X						
44	JBH14_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053491		X				X			X			X		X				
45	JBH14_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053492												X		X				
46	JBH14_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053493												X					X	
47	JBH14_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053494											X	X						
48	JBH14_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053495			X								X	X					X	
49	JBH14_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053496											X	X						
50	JBH14_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053497									X			X						
51	JBH14_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053498			X								X	X						
52	JBH15_0-0.1	Mar 20, 2025		Soil	S25-Ma0053499	X				X	X			X			X	X				X	
53	JBH15_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053500						X			X			X						
54	JBH15_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053501							X	X				X						
55	JBH17_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053502										X		X		X			X	
56	JBH17_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053503												X		X				
57	JBH17_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053504									X			X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
58	JBH18_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053505							X	X	X	X		X		X				
59	JBH18_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053506												X		X				
60	JBH18_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053507												X					X	
61	JBH20_0-0.1	Mar 18, 2025		Soil	S25-Ma0053508		X				X						X						
62	JBH20_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053509		X				X						X						
63	JBH20_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053510		X								X		X			X		X	
64	JBH20_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053511									X			X						
65	JBH20_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053512												X		X				
66	JBH20_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053513				X														
67	JBH20_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053514											X	X						
68	JBH20_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053515									X		X	X						
69	JBH20_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053516											X	X						
70	JBH20_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053517			X								X	X						
71	JBH20_8.9-9.0	Mar 18, 2025		Soil	S25-Ma0053518			X								X	X						
72	JBH21_0-0.1	Mar 18, 2025		Soil	S25-Ma0053519						X						X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
73	JBH21_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053520							X	X	X			X						
74	JBH21_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053521												X		X				
75	JBH21_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053522											X	X						
76	JBH21_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053523											X	X					X	
77	JBH21_8.2-8.3	Mar 18, 2025		Soil	S25-Ma0053524			X									X						
78	JBH25_0-0.1	Mar 18, 2025		Soil	S25-Ma0053525		X				X			X			X					X	
79	JBH25_0.1-0.2	Mar 18, 2025		Soil	S25-Ma0053526						X	X	X				X						
80	JBH25_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053527									X			X						
81	JBH25_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053528												X		X				
82	JBH25_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053529												X		X				
83	JBH26_0-0.1	Mar 18, 2025		Soil	S25-Ma0053530						X						X					X	
84	JBH26_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053531						X			X			X						
85	JBH26_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053532							X	X				X						
86	JBH32_0-0.1	Mar 20, 2025		Soil	S25-Ma0053533		X				X			X			X						
87	JBH32_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053534		X								X		X			X		X	

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
88	JBH32_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053535						X						X						
89	JBH32_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053536												X		X				
90	JBH32_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053537											X	X						
91	JBH32_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053538										X	X	X		X				
92	JBH32_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053539	X				X					X	X	X	X	X				
93	JBH32_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053540									X		X	X						
94	JBH32_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053541											X	X						
95	JBH32_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053542			X								X	X						
96	20250318QC_01	Mar 18, 2025		Soil	S25-Ma0053543		X								X		X			X		X	
97	20250320QC_02	Mar 20, 2025		Soil	S25-Ma0053544		X								X		X			X		X	
98	TS	Mar 20, 2025		Water	S25-Ma0053545																		X
99	TB	Mar 20, 2025		Water	S25-Ma0053546																X		
100	FB	Mar 20, 2025		Water	S25-Ma0053547																	X	

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
101	JBH18_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053548												X		X				
102	JBH02_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053549				X														
103	JBH02_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053550				X														
104	JBH02_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053551				X														
105	JBH02_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053552				X														
106	JBH03_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053553				X														
107	JBH03_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053554				X														
108	JBH03_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053555				X														
109	JBH04_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053556				X														
110	JBH04_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053557				X														
111	JBH05_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053558				X														
112	JBH06_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053559				X														
113	JBH06_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053560				X														
114	JBH06_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053561				X														
115	JBH06_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053562				X														

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
116	JBH06_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053563				X														
117	JBH06_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053564				X														
118	JBH07_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053565				X														
119	JBH09_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053566				X														
120	JBH11_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053567				X														
121	JBH11_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053568				X														
122	JBH11_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053569				X														
123	JBH11_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053570				X														
124	JBH12_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053571				X														
125	JBH12_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053572				X														
126	JBH12_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053573				X														
127	JBH12_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053574				X														
128	JBH14_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053575				X														
129	JBH14_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053576				X														
130	JBH15_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053577				X														

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
131	JBH15_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053578				X														
132	JBH15_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053579				X														
133	JBH17_0-0.1	Mar 18, 2025		Soil	S25-Ma0053580				X														
134	JBH17_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053581				X														
135	JBH17_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053582				X														
136	JBH18_0-0.1	Mar 18, 2025		Soil	S25-Ma0053583				X														
137	JBH20_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053584				X														
138	JBH20_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053585				X														
139	JBH21_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053586				X														
140	JBH21_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053587				X														
141	JBH21_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053588				X														
142	JBH21_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053589				X														
143	JBH21_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053590				X														
144	JBH21_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053591				X														
145	JBH21_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053592				X														

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Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
146	JBH25_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053593				X														
147	JBH25_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053594				X														
148	JBH26_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053595				X														
149	JBH26_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053596				X														
150	JBH26_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053597				X														
151	JBH32_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053598				X														
152	JBH32_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053599				X														
153	JBH18_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053600				X														
Test Counts						4	27	8	53	4	33	13	13	33	10	20	97	4	23	4	1	23	1

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report in blue indicates data provided by the customer that may impact the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (**% w/w**)
F/fld	Airborne fibre filter loading as Fibres (**N**) per Fields counted (**n**)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (**C**)
g, kg	Mass, e.g. of whole sample (**M**) or asbestos-containing find within the sample (**m**)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (**V** = **r** x **t**)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (**r**)
min	Time (**t**), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{a}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{V}\right)$

Asbestos Content (as asbestos): $\%\, w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%Asbestos	Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (**P_A**). This estimate is not NATA-accredited.
ACM	Asbestos Containing Materials. Asbestos in a non-asbestos matrix is typically presented in bonded (non-friable) condition. For the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.
AF	Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material, such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to “non-bonded / friable”.
AFM	Airborne Fibre Monitoring, e.g., by the MFM.
Amosite	Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
AS	Australian Standard.
Asbestos Content (as asbestos)	Total %w/w asbestos content in asbestos-containing finds in a soil sample (**% w/w**).
Chrysotile	Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
COC	Chain of Custody.
Crocidolite	Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
Dry	Sample is dried by heating before analysis.
DS	Dispersion Staining. The technique required for unequivocal identification of asbestos fibres by PLM.
FA	Fibrous Asbestos. Asbestos-containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material previously non-friable and severely degraded. For the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to distinguish visibly and may be assessed as AF.
Fibre Count	Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003
Fibre ID	Fibre Identification. Unequivocal identification of asbestos fibres according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.
Friable	Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the NEPM, this includes both AF and FA. It is outside of the laboratory’s remit to assess the degree of friability.
HSG248	UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021), ISBN: 9780616667079.
HSG264	UK HSE HSG264, *Asbestos: The Survey Guide* (2012), ISBN: 9780717665020
ISO (also ISO/IEC)	International Organization for Standardization / International Electrotechnical Commission.
K Factor	Microscope constant (**K**) as derived from the effective filter area of the given AFM membrane used for collecting the sample (**A**) and the projected eyepiece graticule area of the specific microscope used for the analysis (**a**).
LOR	Limit of Reporting.
MFM (also NOHSC:3003)	Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].
MMVF	Man-Made Vitreous Fibre - exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and “bio-soluble fibres. NOTE: previously known as “synthetic mineral fibre” (SMF).
NEPM (also ASC NEPM)	National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).
Organic	Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified per AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
PCM	Phase Contrast Microscopy. This is used for fibre counting, according to the MFM.
PLM	Polarised Light Microscopy. It is used for fibre identification and residual analysis according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.
Sampling	Unless otherwise stated, Eurofins are not responsible for sampling equipment or the sampling process.
SRA	Sample Receipt Advice.
Residual Analysis	An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly Trace Analysis in AS 4964-2004.
UK HSE HSG	United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.
Inconclusive	Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. It may include (but is not limited to) actinolite, anthophyllite, or tremolite asbestos. SEM/TEM is required for definitive identification.
WA DOH	Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*
Weighted Average	Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (**$\%_{WA}$**).

Comments

25-Ma0053469, 25-Ma0053450, 25-Ma0053474, 25-Ma0053508, 25-Ma0053525, 25-Ma0053533, 25-Ma0053543 Samples received were less than the nominal 500mL as recommended in Section 4.10 of the NEPM Schedule B1 - Guideline on Investigation Levels for Soil and Groundwater.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Chamath JHM Annakkage	Senior Analyst-Asbestos

Authorised by:

Sayeed Abu	Senior Analyst-Asbestos

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

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JBS & G Australia (NSW) P/L
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Sydney
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NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
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Attention: **Daniel Saeed**

Report **1200931-S**
Project name WATERLOO SOUTH
Project ID 68063
Received Date Mar 24, 2025

Client Sample ID			**JBH02_0-0.1**	**JBH02_0.2-0.3**	**JBH03_0-0.1**	**JBH03_0.2-0.3**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S25-Ma0053448**	**S25-Ma0053449**	**S25-Ma0053450**	**S25-Ma0053451**
Date Sampled			**Mar 19, 2025**	**Mar 19, 2025**	**Mar 19, 2025**	**Mar 19, 2025**
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	0.9	0.8	3.0
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	1.3	1.1	3.2
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.6	1.4	3.5
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	0.6	< 0.5	1.2	3.0
Benzo(a)pyrene	0.5	mg/kg	< 0.5	0.9	0.6	2.3
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.9
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.7
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	0.7	1.9
Chrysene	0.5	mg/kg	< 0.5	< 0.5	1.1	2.3
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	0.8	1.9
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.8
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	0.9
Pyrene	0.5	mg/kg	0.5	0.7	1.0	2.4
Total PAH*	0.5	mg/kg	1.1	1.6	5.4	17
2-Fluorobiphenyl (surr.)	1	%	63	109	54	73
p-Terphenyl-d14 (surr.)	1	%	80	134	64	88
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	< 0.05	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	< 0.05	-	< 0.05	-
a-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
b-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
d-HCH	0.05	mg/kg	< 0.05	-	< 0.05	-
Dieldrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	< 0.05	-

Client Sample ID			JBH02_0-0.1	JBH02_0.2-0.3	JBH03_0-0.1	JBH03_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053448	S25-Ma0053449	S25-Ma0053450	S25-Ma0053451
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	< 0.05	-
Endrin ketone	0.05	mg/kg	< 0.05	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	69	-	INT	-
Tetrachloro-m-xylene (surr.)	1	%	70	-	57	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	69	-	INT	-
Tetrachloro-m-xylene (surr.)	1	%	70	-	57	-
Sample Properties						
% Moisture	1	%	10	3.7	4.2	2.8
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	-	-
13C4-PFBA (surr.)	1	%	123	-	-	-
13C5-PFPeA (surr.)	1	%	124	-	-	-
13C5-PFHxA (surr.)	1	%	144	-	-	-
13C4-PFHpA (surr.)	1	%	134	-	-	-
13C8-PFOA (surr.)	1	%	128	-	-	-
13C5-PFNA (surr.)	1	%	109	-	-	-
13C6-PFDA (surr.)	1	%	92	-	-	-
13C2-PFUnDA (surr.)	1	%	79	-	-	-
13C2-PFDoDA (surr.)	1	%	56	-	-	-
13C2-PFTeDA (surr.)	1	%	51	-	-	-

Client Sample ID			JBH02_0-0.1	JBH02_0.2-0.3	JBH03_0-0.1	JBH03_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053448	S25-Ma0053449	S25-Ma0053450	S25-Ma0053451
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	-	-
13C8-FOSA (surr.)	1	%	91	-	-	-
D3-N-MeFOSA (surr.)	1	%	114	-	-	-
D5-N-EtFOSA (surr.)	1	%	81	-	-	-
D7-N-MeFOSE (surr.)	1	%	78	-	-	-
D9-N-EtFOSE (surr.)	1	%	65	-	-	-
D5-N-EtFOSAA (surr.)	1	%	77	-	-	-
D3-N-MeFOSAA (surr.)	1	%	65	-	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	[N09]< 5	-	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	-	-
13C3-PFBS (surr.)	1	%	131	-	-	-
18O2-PFHxS (surr.)	1	%	126	-	-	-
13C8-PFOS (surr.)	1	%	105	-	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
13C2-4:2 FTSA (surr.)	1	%	INT	-	-	-
13C2-6:2 FTSA (surr.)	1	%	160	-	-	-
13C2-8:2 FTSA (surr.)	1	%	113	-	-	-
13C2-10:2 FTSA (surr.)	1	%	82	-	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	-	-

Client Sample ID			JBH02_0-0.1	JBH02_0.2-0.3	JBH03_0-0.1	JBH03_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053448	S25-Ma0053449	S25-Ma0053450	S25-Ma0053451
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	-	< 2	< 2	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	-
Chromium	5	mg/kg	-	10	7.1	-
Copper	5	mg/kg	-	25	18	-
Lead	5	mg/kg	-	47	66	-
Mercury	0.1	mg/kg	-	0.1	< 0.1	-
Nickel	5	mg/kg	-	6.9	6.0	-
Zinc	5	mg/kg	-	89	70	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	-
TRH C10-C14	20	mg/kg	-	-	< 20	-
TRH C15-C28	50	mg/kg	-	-	51	-
TRH C29-C36	50	mg/kg	-	-	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	-	51	-
TRH C6-C10	20	mg/kg	-	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	-
TRH >C10-C16	50	mg/kg	-	-	< 50	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	< 50	-
TRH >C16-C34	100	mg/kg	-	-	< 100	-
TRH >C34-C40	100	mg/kg	-	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	-	INT	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			JBH03_1.9-2.0	JBH04_0-0.1	JBH04_0.2-0.3	JBH04_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053452	S25-Ma0053453	S25-Ma0053454	S25-Ma0053455
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	2.6	5.2	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	2.9	5.4	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	3.1	5.7	-
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	1.3	-
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	2.7	3.5	-
Benzo(a)pyrene	0.5	mg/kg	-	2.1	3.9	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	0.9	2.9	-

Client Sample ID			JBH03_1.9-2.0	JBH04_0-0.1	JBH04_0.2-0.3	JBH04_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053452	S25-Ma0053453	S25-Ma0053454	S25-Ma0053455
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	1.2	-
Benzo(k)fluoranthene	0.5	mg/kg	-	1.0	3.5	-
Chrysene	0.5	mg/kg	-	2.2	8.9	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	-	1.4	9.1	-
Fluorene	0.5	mg/kg	-	< 0.5	1.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	1.6	-
Naphthalene	0.5	mg/kg	-	< 0.5	0.6	-
Phenanthrene	0.5	mg/kg	-	0.9	11	-
Pyrene	0.5	mg/kg	-	2.3	11	-
Total PAH*	0.5	mg/kg	-	14	60	-
2-Fluorobiphenyl (surr.)	1	%	-	72	72	-
p-Terphenyl-d14 (surr.)	1	%	-	88	88	-
Sample Properties						
% Moisture	1	%	4.7	6.3	5.6	3.9
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	-	-
13C4-PFBA (surr.)	1	%	135	-	-	-
13C5-PFPeA (surr.)	1	%	168	-	-	-
13C5-PFHxA (surr.)	1	%	135	-	-	-
13C4-PFHpA (surr.)	1	%	117	-	-	-
13C8-PFOA (surr.)	1	%	125	-	-	-
13C5-PFNA (surr.)	1	%	127	-	-	-
13C6-PFDA (surr.)	1	%	131	-	-	-
13C2-PFUnDA (surr.)	1	%	127	-	-	-
13C2-PFDoDA (surr.)	1	%	107	-	-	-
13C2-PFTeDA (surr.)	1	%	126	-	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	-	-

Client Sample ID			JBH03_1.9-2.0	JBH04_0-0.1	JBH04_0.2-0.3	JBH04_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053452	S25-Ma0053453	S25-Ma0053454	S25-Ma0053455
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
13C8-FOSA (surr.)	1	%	126	-	-	-
D3-N-MeFOSA (surr.)	1	%	150	-	-	-
D5-N-EtFOSA (surr.)	1	%	107	-	-	-
D7-N-MeFOSE (surr.)	1	%	105	-	-	-
D9-N-EtFOSE (surr.)	1	%	103	-	-	-
D5-N-EtFOSAA (surr.)	1	%	132	-	-	-
D3-N-MeFOSAA (surr.)	1	%	139	-	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	< 5	-	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	-	-
13C3-PFBS (surr.)	1	%	145	-	-	-
18O2-PFHxS (surr.)	1	%	128	-	-	-
13C8-PFOS (surr.)	1	%	127	-	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
13C2-4:2 FTSA (surr.)	1	%	168	-	-	-
13C2-6:2 FTSA (surr.)	1	%	131	-	-	-
13C2-8:2 FTSA (surr.)	1	%	128	-	-	-
13C2-10:2 FTSA (surr.)	1	%	138	-	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	2.0
Cadmium	0.4	mg/kg	-	-	-	< 0.4
Chromium	5	mg/kg	-	-	-	5.0
Copper	5	mg/kg	-	-	-	20
Lead	5	mg/kg	-	-	-	100
Mercury	0.1	mg/kg	-	-	-	0.1
Nickel	5	mg/kg	-	-	-	< 5
Zinc	5	mg/kg	-	-	-	93
% Clay	2.5	%	< 2.5	-	-	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	< 10	-	-	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	8.1	-	-	-

Client Sample ID			JBH03_1.9-2.0	JBH04_0-0.1	JBH04_0.2-0.3	JBH04_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053452	S25-Ma0053453	S25-Ma0053454	S25-Ma0053455
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	1.3	-	-	-

Client Sample ID			JBH04_0.9-1.0	JBH05_0-0.1	JBH05_0.2-0.3	JBH05_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053456	S25-Ma0053457	S25-Ma0053458	S25-Ma0053459
Date Sampled			Mar 20, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	6.0	3.4	1.4
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	6.0	3.6	1.7
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	6.0	3.9	1.9
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	2.7	3.4	0.9
Benzo(a)pyrene	0.5	mg/kg	-	4.0	2.7	1.1
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	2.3	0.9	0.9
Benzo(g.h.i)perylene	0.5	mg/kg	-	4.4	0.7	0.8
Benzo(k)fluoranthene	0.5	mg/kg	-	3.0	1.3	0.8
Chrysene	0.5	mg/kg	-	2.5	2.9	0.9
Dibenz(a.h)anthracene	0.5	mg/kg	-	0.8	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	0.7	2.9	1.7
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	3.5	0.6	0.6
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	0.6	2.1	0.7
Pyrene	0.5	mg/kg	-	1.4	3.4	1.7
Total PAH*	0.5	mg/kg	-	26	21	10
2-Fluorobiphenyl (surr.)	1	%	-	92	INT	91
p-Terphenyl-d14 (surr.)	1	%	-	110	53	101
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	7.6	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-
d-HCH	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	0.64	-
Endosulfan I	0.05	mg/kg	-	-	0.06	-
Endosulfan II	0.05	mg/kg	-	-	0.09	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-

Client Sample ID			JBH04_0.9-1.0	JBH05_0-0.1	JBH05_0.2-0.3	JBH05_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053456	S25-Ma0053457	S25-Ma0053458	S25-Ma0053459
Date Sampled			Mar 20, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Heptachlor	0.05	mg/kg	-	-	2.9	-
Heptachlor epoxide	0.05	mg/kg	-	-	4.2	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	0.69	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	15.54	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	14.85	-
Dibutylchlorendate (surr.)	1	%	-	-	INT	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	50	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	INT	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	50	-
Sample Properties						
% Moisture	1	%	14	6.7	5.8	6.5
Heavy Metals						
Arsenic	2	mg/kg	-	-	2.5	7.1
Cadmium	0.4	mg/kg	-	-	< 0.4	< 0.4
Chromium	5	mg/kg	-	-	6.9	12
Copper	5	mg/kg	-	-	21	51
Lead	5	mg/kg	-	-	120	120
Mercury	0.1	mg/kg	-	-	0.3	0.3
Nickel	5	mg/kg	-	-	< 5	8.3
Zinc	5	mg/kg	-	-	130	150
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	-	< 20	< 20
TRH C15-C28	50	mg/kg	98	-	120	100
TRH C29-C36	50	mg/kg	69	-	60	87
TRH C10-C36 (Total)	50	mg/kg	167	-	180	187
TRH C6-C10	20	mg/kg	< 20	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	< 50	< 50
TRH >C16-C34	100	mg/kg	140	-	160	160
TRH >C34-C40	100	mg/kg	< 100	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	140	-	160	160

Client Sample ID			JBH04_0.9-1.0	JBH05_0-0.1	JBH05_0.2-0.3	JBH05_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053456	S25-Ma0053457	S25-Ma0053458	S25-Ma0053459
Date Sampled			Mar 20, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	81	-	65	91
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5

Client Sample ID			JBH05_0.9-1.0	JBH05_1.4-1.5	JBH06_0-0.1	JBH06_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053460	S25-Ma0053461	S25-Ma0053462	S25-Ma0053463
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	3.3	-	1.0	1.3
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	3.5	-	1.3	1.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	3.8	-	1.6	1.8
Acenaphthene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	0.6	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	2.4	-	0.7	1.2
Benzo(a)pyrene	0.5	mg/kg	2.4	-	0.8	1.0
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	2.3	-	< 0.5	0.6
Benzo(g.h.i)perylene	0.5	mg/kg	1.9	-	0.5	0.8
Benzo(k)fluoranthene	0.5	mg/kg	2.3	-	0.7	0.8
Chrysene	0.5	mg/kg	2.4	-	0.8	1.0
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	4.5	-	1.3	1.7
Fluorene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	1.2	-	< 0.5	0.5
Naphthalene	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	2.1	-	0.9	1.0
Pyrene	0.5	mg/kg	4.5	-	1.6	2.2
Total PAH*	0.5	mg/kg	27	-	7.3	11
2-Fluorobiphenyl (surr.)	1	%	109	-	113	58
p-Terphenyl-d14 (surr.)	1	%	103	-	120	65
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 1	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.5	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.5	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.5	-
a-HCH	0.05	mg/kg	-	-	< 0.5	-
Aldrin	0.05	mg/kg	-	-	< 0.5	-
b-HCH	0.05	mg/kg	-	-	< 0.5	-
d-HCH	0.05	mg/kg	-	-	< 0.5	-

Client Sample ID			JBH05_0.9-1.0	JBH05_1.4-1.5	JBH06_0-0.1	JBH06_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053460	S25-Ma0053461	S25-Ma0053462	S25-Ma0053463
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Dieldrin	0.05	mg/kg	-	-	< 0.5	-
Endosulfan I	0.05	mg/kg	-	-	< 0.5	-
Endosulfan II	0.05	mg/kg	-	-	< 0.5	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.5	-
Endrin	0.05	mg/kg	-	-	< 0.5	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.5	-
Endrin ketone	0.05	mg/kg	-	-	< 0.5	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.5	-
Heptachlor	0.05	mg/kg	-	-	< 0.5	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.5	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.5	-
Methoxychlor	0.05	mg/kg	-	-	< 0.5	-
Toxaphene	0.5	mg/kg	-	-	< 10	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.5	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 1	-
Dibutylchlorendate (surr.)	1	%	-	-	79	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	113	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	79	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	113	-
Sample Properties						
% Moisture	1	%	6.7	4.9	6.1	5.6
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	[N09]< 5	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	< 5	-
13C4-PFBA (surr.)	1	%	-	125	111	-
13C5-PFPeA (surr.)	1	%	-	133	114	-
13C5-PFHxA (surr.)	1	%	-	154	124	-
13C4-PFHpA (surr.)	1	%	-	126	142	-
13C8-PFOA (surr.)	1	%	-	133	129	-

Client Sample ID			JBH05_0.9-1.0	JBH05_1.4-1.5	JBH06_0-0.1	JBH06_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053460	S25-Ma0053461	S25-Ma0053462	S25-Ma0053463
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFNA (surr.)	1	%	-	127	123	-
13C6-PFDA (surr.)	1	%	-	124	131	-
13C2-PFUnDA (surr.)	1	%	-	120	112	-
13C2-PFDoDA (surr.)	1	%	-	110	95	-
13C2-PFTeDA (surr.)	1	%	-	132	101	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	< 10	-
13C8-FOSA (surr.)	1	%	-	136	129	-
D3-N-MeFOSA (surr.)	1	%	-	154	152	-
D5-N-EtFOSA (surr.)	1	%	-	118	112	-
D7-N-MeFOSE (surr.)	1	%	-	111	101	-
D9-N-EtFOSE (surr.)	1	%	-	109	98	-
D5-N-EtFOSAA (surr.)	1	%	-	133	102	-
D3-N-MeFOSAA (surr.)	1	%	-	123	99	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]< 5	[N09]< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	[G01]< 5	-
13C3-PFBS (surr.)	1	%	-	165	144	-
18O2-PFHxS (surr.)	1	%	-	133	160	-
13C8-PFOS (surr.)	1	%	-	113	125	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	< 5	-
13C2-4:2 FTSA (surr.)	1	%	-	166	INT	-
13C2-6:2 FTSA (surr.)	1	%	-	126	155	-
13C2-8:2 FTSA (surr.)	1	%	-	109	120	-
13C2-10:2 FTSA (surr.)	1	%	-	118	89	-

Client Sample ID			JBH05_0.9-1.0	JBH05_1.4-1.5	JBH06_0-0.1	JBH06_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053460	S25-Ma0053461	S25-Ma0053462	S25-Ma0053463
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	< 50	-
Heavy Metals						
Arsenic	2	mg/kg	3.4	-	2.5	-
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	-
Chromium	5	mg/kg	7.9	-	21	-
Copper	5	mg/kg	29	-	23	-
Lead	5	mg/kg	110	-	100	-
Mercury	0.1	mg/kg	0.4	-	0.1	-
Nickel	5	mg/kg	< 5	-	17	-
Zinc	5	mg/kg	95	-	160	-
% Clay	2.5	%	-	-	-	5.0
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	78
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	8.6
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	-	-	-	16

Client Sample ID			JBH06_0.4-0.5	JBH06_0.9-1.0	JBH06_1.4-1.5	JBH06_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053464	S25-Ma0053465	S25-Ma0053466	S25-Ma0053467
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	19	-	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	19	-	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	19	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	1.3	-	-	-
Anthracene	0.5	mg/kg	1.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	9.6	-	-	-
Benzo(a)pyrene	0.5	mg/kg	13	-	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	6.6	-	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	12	-	-	-
Benzo(k)fluoranthene	0.5	mg/kg	11	-	-	-
Chrysene	0.5	mg/kg	9.3	-	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	2.5	-	-	-
Fluoranthene	0.5	mg/kg	11	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	7.9	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	2.6	-	-	-
Pyrene	0.5	mg/kg	17	-	-	-
Total PAH*	0.5	mg/kg	110	-	-	-

Client Sample ID			JBH06_0.4-0.5	JBH06_0.9-1.0	JBH06_1.4-1.5	JBH06_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053464	S25-Ma0053465	S25-Ma0053466	S25-Ma0053467
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
2-Fluorobiphenyl (surr.)	1	%	81	-	-	-
p-Terphenyl-d14 (surr.)	1	%	95	-	-	-
Sample Properties						
% Moisture	1	%	6.5	3.3	4.2	5.6
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	-
13C4-PFBA (surr.)	1	%	-	111	-	-
13C5-PFPeA (surr.)	1	%	-	114	-	-
13C5-PFHxA (surr.)	1	%	-	132	-	-
13C4-PFHpA (surr.)	1	%	-	113	-	-
13C8-PFOA (surr.)	1	%	-	110	-	-
13C5-PFNA (surr.)	1	%	-	115	-	-
13C6-PFDA (surr.)	1	%	-	108	-	-
13C2-PFUnDA (surr.)	1	%	-	125	-	-
13C2-PFDoDA (surr.)	1	%	-	99	-	-
13C2-PFTeDA (surr.)	1	%	-	124	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	-
13C8-FOSA (surr.)	1	%	-	125	-	-
D3-N-MeFOSA (surr.)	1	%	-	149	-	-
D5-N-EtFOSA (surr.)	1	%	-	116	-	-
D7-N-MeFOSE (surr.)	1	%	-	112	-	-
D9-N-EtFOSE (surr.)	1	%	-	101	-	-
D5-N-EtFOSAA (surr.)	1	%	-	88	-	-
D3-N-MeFOSAA (surr.)	1	%	-	93	-	-

Client Sample ID			JBH06_0.4-0.5	JBH06_0.9-1.0	JBH06_1.4-1.5	JBH06_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053464	S25-Ma0053465	S25-Ma0053466	S25-Ma0053467
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	-
13C3-PFBS (surr.)	1	%	-	125	-	-
18O2-PFHxS (surr.)	1	%	-	133	-	-
13C8-PFOS (surr.)	1	%	-	117	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	-	171	-	-
13C2-6:2 FTSA (surr.)	1	%	-	104	-	-
13C2-8:2 FTSA (surr.)	1	%	-	95	-	-
13C2-10:2 FTSA (surr.)	1	%	-	98	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	-
Heavy Metals						
Arsenic	2	mg/kg	4.1	-	< 2	-
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	-
Chromium	5	mg/kg	7.6	-	< 5	-
Copper	5	mg/kg	21	-	< 5	-
Lead	5	mg/kg	150	-	< 5	-
Mercury	0.1	mg/kg	0.2	-	< 0.1	-
Nickel	5	mg/kg	< 5	-	< 5	-
Zinc	5	mg/kg	100	-	< 5	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	< 100

Client Sample ID			JBH06_0.4-0.5	JBH06_0.9-1.0	JBH06_1.4-1.5	JBH06_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053464	S25-Ma0053465	S25-Ma0053466	S25-Ma0053467
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	88
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	-	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	-	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	-	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	-	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	-	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	-	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	-	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	-	< 0.5
Allyl chloride	0.5	mg/kg	-	-	-	< 0.5
Benzene	0.1	mg/kg	-	-	-	< 0.1
Bromobenzene	0.5	mg/kg	-	-	-	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	-	< 0.5
Bromoform	0.5	mg/kg	-	-	-	< 0.5
Bromomethane	0.5	mg/kg	-	-	-	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	-	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	-	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	-	< 0.5
Chloroethane	0.5	mg/kg	-	-	-	< 0.5
Chloroform	0.5	mg/kg	-	-	-	< 0.5
Chloromethane	0.5	mg/kg	-	-	-	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			JBH06_0.4-0.5	JBH06_0.9-1.0	JBH06_1.4-1.5	JBH06_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053464	S25-Ma0053465	S25-Ma0053466	S25-Ma0053467
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.5	mg/kg	-	-	-	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	-	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
Iodomethane	0.5	mg/kg	-	-	-	< 0.5
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	-	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	-	< 0.5
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Styrene	0.5	mg/kg	-	-	-	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	-	< 0.5
Toluene	0.1	mg/kg	-	-	-	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	-	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	-	< 0.5
Trichloroethene	0.5	mg/kg	-	-	-	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	-	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	-	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
Total MAH*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	-	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	-	88
Toluene-d8 (surr.)	1	%	-	-	-	92

Client Sample ID			JBH06_8.4-8.5	JBH07_0-0.1	JBH07_0.2-0.3	JBH07_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053468	S25-Ma0053469	S25-Ma0053470	S25-Ma0053471
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	-	-
Acenaphthene	0.5	mg/kg	-	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	-	-
Anthracene	0.5	mg/kg	-	< 0.5	-	-
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	-	-
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	-	-
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	-	-
Chrysene	0.5	mg/kg	-	< 0.5	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	-	-
Fluoranthene	0.5	mg/kg	-	< 0.5	-	-
Fluorene	0.5	mg/kg	-	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	-	-
Naphthalene	0.5	mg/kg	-	< 0.5	-	-
Phenanthrene	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			JBH06_8.4-8.5	JBH07_0-0.1	JBH07_0.2-0.3	JBH07_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053468	S25-Ma0053469	S25-Ma0053470	S25-Ma0053471
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Pyrene	0.5	mg/kg	-	< 0.5	-	-
Total PAH*	0.5	mg/kg	-	< 0.5	-	-
2-Fluorobiphenyl (surr.)	1	%	-	100	-	-
p-Terphenyl-d14 (surr.)	1	%	-	107	-	-
Sample Properties						
% Moisture	1	%	4.5	4.2	6.7	5.1
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	-	< 5
13C4-PFBA (surr.)	1	%	-	-	-	105
13C5-PFPeA (surr.)	1	%	-	-	-	133
13C5-PFHxA (surr.)	1	%	-	-	-	109
13C4-PFHpA (surr.)	1	%	-	-	-	96
13C8-PFOA (surr.)	1	%	-	-	-	140
13C5-PFNA (surr.)	1	%	-	-	-	102
13C6-PFDA (surr.)	1	%	-	-	-	109
13C2-PFUnDA (surr.)	1	%	-	-	-	115
13C2-PFDoDA (surr.)	1	%	-	-	-	102
13C2-PFTeDA (surr.)	1	%	-	-	-	108
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	-	< 10
13C8-FOSA (surr.)	1	%	-	-	-	134
D3-N-MeFOSA (surr.)	1	%	-	-	-	150
D5-N-EtFOSA (surr.)	1	%	-	-	-	113
D7-N-MeFOSE (surr.)	1	%	-	-	-	102
D9-N-EtFOSE (surr.)	1	%	-	-	-	107
D5-N-EtFOSAA (surr.)	1	%	-	-	-	111
D3-N-MeFOSAA (surr.)	1	%	-	-	-	105

Client Sample ID			JBH06_8.4-8.5	JBH07_0-0.1	JBH07_0.2-0.3	JBH07_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053468	S25-Ma0053469	S25-Ma0053470	S25-Ma0053471
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	-	< 5
13C3-PFBS (surr.)	1	%	-	-	-	122
18O2-PFHxS (surr.)	1	%	-	-	-	107
13C8-PFOS (surr.)	1	%	-	-	-	119
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	-	165
13C2-6:2 FTSA (surr.)	1	%	-	-	-	119
13C2-8:2 FTSA (surr.)	1	%	-	-	-	118
13C2-10:2 FTSA (surr.)	1	%	-	-	-	108
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	-	< 50
Heavy Metals						
Arsenic	2	mg/kg	-	< 2	2.3	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	-
Chromium	5	mg/kg	-	42	5.4	-
Copper	5	mg/kg	-	77	22	-
Lead	5	mg/kg	-	< 5	110	-
Mercury	0.1	mg/kg	-	< 0.1	0.3	-
Nickel	5	mg/kg	-	170	< 5	-
Zinc	5	mg/kg	-	76	95	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-

Client Sample ID			JBH06_8.4-8.5	JBH07_0-0.1	JBH07_0.2-0.3	JBH07_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053468	S25-Ma0053469	S25-Ma0053470	S25-Ma0053471
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	95	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
Fraction Organic Carbon*	0.01	% w/w	0.01	-	-	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
1.1.1-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2-Trichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dibromoethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloroethane	0.5	mg/kg	< 0.5	-	-	-
1.2-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.3-Trichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
1.3-Dichloropropane	0.5	mg/kg	< 0.5	-	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	< 0.5	-	-	-
1.4-Dichlorobenzene	0.5	mg/kg	< 0.5	-	-	-
2-Butanone (MEK)	0.5	mg/kg	< 0.5	-	-	-
2-Propanone (Acetone)	0.5	mg/kg	< 0.5	-	-	-
4-Chlorotoluene	0.5	mg/kg	< 0.5	-	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	< 0.5	-	-	-
Allyl chloride	0.5	mg/kg	< 0.5	-	-	-
Benzene	0.1	mg/kg	< 0.1	-	-	-
Bromobenzene	0.5	mg/kg	< 0.5	-	-	-
Bromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromodichloromethane	0.5	mg/kg	< 0.5	-	-	-
Bromoform	0.5	mg/kg	< 0.5	-	-	-
Bromomethane	0.5	mg/kg	< 0.5	-	-	-
Carbon disulfide	0.5	mg/kg	< 0.5	-	-	-
Carbon Tetrachloride	0.5	mg/kg	< 0.5	-	-	-
Chlorobenzene	0.5	mg/kg	< 0.5	-	-	-
Chloroethane	0.5	mg/kg	< 0.5	-	-	-
Chloroform	0.5	mg/kg	< 0.5	-	-	-
Chloromethane	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			JBH06_8.4-8.5	JBH07_0-0.1	JBH07_0.2-0.3	JBH07_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053468	S25-Ma0053469	S25-Ma0053470	S25-Ma0053471
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
cis-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Dibromochloromethane	0.5	mg/kg	< 0.5	-	-	-
Dibromomethane	0.5	mg/kg	< 0.5	-	-	-
Dichlorodifluoromethane	0.5	mg/kg	< 0.5	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
Iodomethane	0.5	mg/kg	< 0.5	-	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	< 0.5	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
Methylene Chloride	0.5	mg/kg	< 0.5	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Styrene	0.5	mg/kg	< 0.5	-	-	-
Tetrachloroethene	0.5	mg/kg	< 0.5	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	< 0.5	-	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	< 0.5	-	-	-
Trichloroethene	0.5	mg/kg	< 0.5	-	-	-
Trichlorofluoromethane	0.5	mg/kg	< 0.5	-	-	-
Vinyl chloride	0.5	mg/kg	< 0.5	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
Total MAH*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	< 0.5	-	-	-
4-Bromofluorobenzene (surr.)	1	%	95	-	-	-
Toluene-d8 (surr.)	1	%	67	-	-	-

Client Sample ID			JBH07_0.9-1.0	JBH07_1.4-1.5	JBH09_0-0.1	JBH09_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053472	S25-Ma0053473	S25-Ma0053474	S25-Ma0053475
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	1.2	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	0.9	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			JBH07_0.9-1.0	JBH07_1.4-1.5	JBH09_0-0.1	JBH09_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053472	S25-Ma0053473	S25-Ma0053474	S25-Ma0053475
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Phenanthrene	0.5	mg/kg	-	-	0.6	-
Pyrene	0.5	mg/kg	-	-	0.9	-
Total PAH*	0.5	mg/kg	-	-	2.4	-
2-Fluorobiphenyl (surr.)	1	%	-	-	107	-
p-Terphenyl-d14 (surr.)	1	%	-	-	112	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 1	-	-	-
4.4'-DDD	0.05	mg/kg	< 0.5	-	-	-
4.4'-DDE	0.05	mg/kg	< 0.5	-	-	-
4.4'-DDT	0.05	mg/kg	< 0.5	-	-	-
a-HCH	0.05	mg/kg	< 0.5	-	-	-
Aldrin	0.05	mg/kg	< 0.5	-	-	-
b-HCH	0.05	mg/kg	< 0.5	-	-	-
d-HCH	0.05	mg/kg	< 0.5	-	-	-
Dieldrin	0.05	mg/kg	< 0.5	-	-	-
Endosulfan I	0.05	mg/kg	< 0.5	-	-	-
Endosulfan II	0.05	mg/kg	< 0.5	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.5	-	-	-
Endrin	0.05	mg/kg	< 0.5	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.5	-	-	-
Endrin ketone	0.05	mg/kg	< 0.5	-	-	-
g-HCH (Lindane)	0.05	mg/kg	< 0.5	-	-	-
Heptachlor	0.05	mg/kg	< 0.5	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.5	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.5	-	-	-
Methoxychlor	0.05	mg/kg	< 0.5	-	-	-
Toxaphene	0.5	mg/kg	< 10	-	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.5	-	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.5	-	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 1	-	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 1	-	-	-
Dibutylchlorendate (surr.)	1	%	100	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	120	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB*	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorendate (surr.)	1	%	100	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	120	-	-	-
Sample Properties						
% Moisture	1	%	5.5	4.5	6.9	3.0

Client Sample ID			JBH07_0.9-1.0	JBH07_1.4-1.5	JBH09_0-0.1	JBH09_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053472	S25-Ma0053473	S25-Ma0053474	S25-Ma0053475
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	-	< 5
13C4-PFBA (surr.)	1	%	-	-	-	119
13C5-PFPeA (surr.)	1	%	-	-	-	146
13C5-PFHxA (surr.)	1	%	-	-	-	133
13C4-PFHpA (surr.)	1	%	-	-	-	135
13C8-PFOA (surr.)	1	%	-	-	-	133
13C5-PFNA (surr.)	1	%	-	-	-	144
13C6-PFDA (surr.)	1	%	-	-	-	151
13C2-PFUnDA (surr.)	1	%	-	-	-	130
13C2-PFDoDA (surr.)	1	%	-	-	-	114
13C2-PFTeDA (surr.)	1	%	-	-	-	111
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	-	< 10
13C8-FOSA (surr.)	1	%	-	-	-	117
D3-N-MeFOSA (surr.)	1	%	-	-	-	171
D5-N-EtFOSA (surr.)	1	%	-	-	-	118
D7-N-MeFOSE (surr.)	1	%	-	-	-	109
D9-N-EtFOSE (surr.)	1	%	-	-	-	112
D5-N-EtFOSAA (surr.)	1	%	-	-	-	119
D3-N-MeFOSAA (surr.)	1	%	-	-	-	107
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	-	[N09]< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	-	< 5

Client Sample ID			JBH07_0.9-1.0	JBH07_1.4-1.5	JBH09_0-0.1	JBH09_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053472	S25-Ma0053473	S25-Ma0053474	S25-Ma0053475
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
13C3-PFBS (surr.)	1	%	-	-	-	143
18O2-PFHxS (surr.)	1	%	-	-	-	155
13C8-PFOS (surr.)	1	%	-	-	-	124
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	-	162
13C2-6:2 FTSA (surr.)	1	%	-	-	-	155
13C2-8:2 FTSA (surr.)	1	%	-	-	-	160
13C2-10:2 FTSA (surr.)	1	%	-	-	-	125
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	-	< 50
Heavy Metals						
Arsenic	2	mg/kg	-	< 2	3.1	-
Cadmium	0.4	mg/kg	-	< 0.4	< 0.4	-
Chromium	5	mg/kg	-	< 5	11	-
Copper	5	mg/kg	-	< 5	24	-
Lead	5	mg/kg	-	< 5	140	-
Mercury	0.1	mg/kg	-	< 0.1	0.1	-
Nickel	5	mg/kg	-	< 5	8.7	-
Zinc	5	mg/kg	-	< 5	150	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	270	-	-	-
TRH C29-C36	50	mg/kg	140	-	-	-
TRH C10-C36 (Total)	50	mg/kg	410	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	370	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	370	-	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-

Client Sample ID			JBH07_0.9-1.0	JBH07_1.4-1.5	JBH09_0-0.1	JBH09_0.2-0.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053472	S25-Ma0053473	S25-Ma0053474	S25-Ma0053475
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
BTEX						
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	126	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			JBH09_0.4-0.5	JBH09_0.9-1.0	JBH09_1.4-1.5	JBH11_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053476	S25-Ma0053477	S25-Ma0053478	S25-Ma0053479
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	18	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	18	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	18	-	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	0.8	-	-	< 0.5
Anthracene	0.5	mg/kg	1.4	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	11	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	12	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	8.0	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	7.9	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	11	-	-	< 0.5
Chrysene	0.5	mg/kg	9.4	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	2.1	-	-	< 0.5
Fluoranthene	0.5	mg/kg	20	-	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	6.2	-	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
Phenanthrene	0.5	mg/kg	4.2	-	-	< 0.5
Pyrene	0.5	mg/kg	22	-	-	< 0.5
Total PAH*	0.5	mg/kg	120	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	52	-	-	107
p-Terphenyl-d14 (surr.)	1	%	51	-	-	116
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-
d-HCH	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-

Client Sample ID			JBH09_0.4-0.5	JBH09_0.9-1.0	JBH09_1.4-1.5	JBH11_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053476	S25-Ma0053477	S25-Ma0053478	S25-Ma0053479
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	97	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	93	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	97	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	93	-
Sample Properties						
% Moisture	1	%	4.5	3.5	4.4	9.7
Heavy Metals						
Arsenic	2	mg/kg	4.1	2.3	-	3.0
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	< 0.4
Chromium	5	mg/kg	5.7	5.4	-	8.5
Copper	5	mg/kg	31	5.4	-	17
Lead	5	mg/kg	140	29	-	33
Mercury	0.1	mg/kg	0.1	< 0.1	-	< 0.1
Nickel	5	mg/kg	< 5	< 5	-	11
Zinc	5	mg/kg	110	29	-	64
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	-
TRH C10-C14	20	mg/kg	-	< 20	-	-
TRH C15-C28	50	mg/kg	-	560	-	-
TRH C29-C36	50	mg/kg	-	320	-	-
TRH C10-C36 (Total)	50	mg/kg	-	880	-	-
TRH C6-C10	20	mg/kg	-	< 20	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-	-
TRH >C10-C16	50	mg/kg	-	< 50	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	< 50	-	-
TRH >C16-C34	100	mg/kg	-	740	-	-
TRH >C34-C40	100	mg/kg	-	< 100	-	-
TRH >C10-C40 (total)*	100	mg/kg	-	740	-	-

Client Sample ID			JBH09_0.4-0.5	JBH09_0.9-1.0	JBH09_1.4-1.5	JBH11_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053476	S25-Ma0053477	S25-Ma0053478	S25-Ma0053479
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	-
4-Bromofluorobenzene (surr.)	1	%	-	124	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			JBH11_0.9-1.0	JBH12_0-0.1	JBH12_0.2-0.3	JBH12_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053480	S25-Ma0053481	S25-Ma0053482	S25-Ma0053483
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	-
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Total PAH*	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	98	120	-
p-Terphenyl-d14 (surr.)	1	%	-	119	121	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-
d-HCH	0.05	mg/kg	-	-	< 0.05	-

Client Sample ID			JBH11_0.9-1.0	JBH12_0-0.1	JBH12_0.2-0.3	JBH12_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053480	S25-Ma0053481	S25-Ma0053482	S25-Ma0053483
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	80	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	111	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	80	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	111	-
Sample Properties						
% Moisture	1	%	3.1	7.5	4.4	2.7
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	-	-
13C4-PFBA (surr.)	1	%	123	-	-	-
13C5-PFPeA (surr.)	1	%	126	-	-	-
13C5-PFHxA (surr.)	1	%	138	-	-	-
13C4-PFHpA (surr.)	1	%	135	-	-	-
13C8-PFOA (surr.)	1	%	121	-	-	-

Client Sample ID			JBH11_0.9-1.0	JBH12_0-0.1	JBH12_0.2-0.3	JBH12_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053480	S25-Ma0053481	S25-Ma0053482	S25-Ma0053483
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C5-PFNA (surr.)	1	%	123	-	-	-
13C6-PFDA (surr.)	1	%	124	-	-	-
13C2-PFUnDA (surr.)	1	%	103	-	-	-
13C2-PFDoDA (surr.)	1	%	99	-	-	-
13C2-PFTeDA (surr.)	1	%	111	-	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	-	-
13C8-FOSA (surr.)	1	%	138	-	-	-
D3-N-MeFOSA (surr.)	1	%	186	-	-	-
D5-N-EtFOSA (surr.)	1	%	129	-	-	-
D7-N-MeFOSE (surr.)	1	%	116	-	-	-
D9-N-EtFOSE (surr.)	1	%	115	-	-	-
D5-N-EtFOSAA (surr.)	1	%	95	-	-	-
D3-N-MeFOSAA (surr.)	1	%	112	-	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	[N09]< 5	-	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	-	-
13C3-PFBS (surr.)	1	%	128	-	-	-
18O2-PFHxS (surr.)	1	%	156	-	-	-
13C8-PFOS (surr.)	1	%	124	-	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
13C2-4:2 FTSA (surr.)	1	%	167	-	-	-
13C2-6:2 FTSA (surr.)	1	%	117	-	-	-
13C2-8:2 FTSA (surr.)	1	%	89	-	-	-
13C2-10:2 FTSA (surr.)	1	%	87	-	-	-

Client Sample ID			JBH11_0.9-1.0	JBH12_0-0.1	JBH12_0.2-0.3	JBH12_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053480	S25-Ma0053481	S25-Ma0053482	S25-Ma0053483
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	-	-	2.2	-
Cadmium	0.4	mg/kg	-	-	< 0.4	-
Chromium	5	mg/kg	-	-	17	-
Copper	5	mg/kg	-	-	13	-
Lead	5	mg/kg	-	-	33	-
Mercury	0.1	mg/kg	-	-	< 0.1	-
Nickel	5	mg/kg	-	-	14	-
Zinc	5	mg/kg	-	-	51	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	< 50
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	< 50
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	< 100
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	111
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			JBH12_2.9-3.0	JBH12_4.9-5.0	JBH12_5.9-6.0	JBH12_6.9-7.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053484	S25-Ma0053485	S25-Ma0053486	S25-Ma0053487
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	2.2	5.4	8.5	14
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	-
13C4-PFBA (surr.)	1	%	-	110	-	-
13C5-PFPeA (surr.)	1	%	-	117	-	-
13C5-PFHxA (surr.)	1	%	-	125	-	-
13C4-PFHpA (surr.)	1	%	-	117	-	-
13C8-PFOA (surr.)	1	%	-	120	-	-
13C5-PFNA (surr.)	1	%	-	105	-	-
13C6-PFDA (surr.)	1	%	-	116	-	-
13C2-PFUnDA (surr.)	1	%	-	103	-	-
13C2-PFDoDA (surr.)	1	%	-	91	-	-
13C2-PFTeDA (surr.)	1	%	-	95	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	-
13C8-FOSA (surr.)	1	%	-	126	-	-
D3-N-MeFOSA (surr.)	1	%	-	152	-	-
D5-N-EtFOSA (surr.)	1	%	-	109	-	-
D7-N-MeFOSE (surr.)	1	%	-	111	-	-
D9-N-EtFOSE (surr.)	1	%	-	106	-	-
D5-N-EtFOSAA (surr.)	1	%	-	100	-	-
D3-N-MeFOSAA (surr.)	1	%	-	104	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	-

Client Sample ID			JBH12_2.9-3.0	JBH12_4.9-5.0	JBH12_5.9-6.0	JBH12_6.9-7.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053484	S25-Ma0053485	S25-Ma0053486	S25-Ma0053487
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	-
13C3-PFBS (surr.)	1	%	-	127	-	-
18O2-PFHxS (surr.)	1	%	-	120	-	-
13C8-PFOS (surr.)	1	%	-	114	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	-	145	-	-
13C2-6:2 FTSA (surr.)	1	%	-	118	-	-
13C2-8:2 FTSA (surr.)	1	%	-	81	-	-
13C2-10:2 FTSA (surr.)	1	%	-	73	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	-
Heavy Metals						
Arsenic	2	mg/kg	< 2	-	-	-
Cadmium	0.4	mg/kg	< 0.4	-	-	-
Chromium	5	mg/kg	< 5	-	-	-
Copper	5	mg/kg	< 5	-	-	-
Lead	5	mg/kg	< 5	-	-	-
Mercury	0.1	mg/kg	< 0.1	-	-	-
Nickel	5	mg/kg	< 5	-	-	-
Zinc	5	mg/kg	< 5	-	-	-
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	-	-	4.5	4.7
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	-	-	40	36
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	-	-	0.060	0.060
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	-	-	4.9	5.4
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	-	-	0.03	< 0.02
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	-	-	20	9.0
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	-	-	< 2	< 2
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	-	-	< 0.02	< 0.02
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	-	-	< 0.005	0.010
Peroxide Extractable Sulfur	0.005	% S	-	-	0.010	0.010
HCl Extractable Sulfur	0.005	% S	-	-	0.010	N/A
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	-	-	0.010	< 0.005
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	-	-	6.1	< 2

Client Sample ID			JBH12_2.9-3.0	JBH12_4.9-5.0	JBH12_5.9-6.0	JBH12_6.9-7.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053484	S25-Ma0053485	S25-Ma0053486	S25-Ma0053487
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	-	-	0.013	N/A
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	-	-	8.1	N/A
HCl Extractable Sulfur Correction Factor	1	factor	-	-	2.0	2.0
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	-	-	0.020	0.030
Calcium - Peroxide	0.005	% Ca	-	-	0.030	0.020
Calcium - Acid Reacted	0.005	% Ca	-	-	0.012	< 0.005
Calcium - Acid Reacted (s-aCa)	0.005	% S	-	-	0.010	< 0.005
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	-	6.1	< 0.005
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	-	-	0.020	0.010
Magnesium - Peroxide	0.005	% Mg	-	-	0.020	0.030
Magnesium - Acid Reacted	0.005	% Mg	-	-	< 0.005	0.020
Magnesium - Acid Reacted (s-aCa)	0.005	% S	-	-	< 0.005	0.026
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	-	< 0.005	16
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	-	-	N/A	N/A
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	-	-	N/A	N/A
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	-	-	n/a	n/a
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	-	-	1.5	1.5
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	-	-	54	36
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	-	-	0.09	0.06
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	-	-	4.0	3.0
Extraneous Material						
<2mm Fraction	0.005	g	-	-	37	25
>2mm Fraction	0.005	g	-	-	< 0.005	< 0.005
Analysed Material	0.1	%	-	-	100	100
Extraneous Material	0.1	%	-	-	< 0.1	< 0.1

Client Sample ID			JBH12_7.9-8.0	JBH14_0-0.1	JBH14_0.2-0.3	JBH14_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053488	S25-Ma0053489	S25-Ma0053490	S25-Ma0053491
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5

Client Sample ID			JBH12_7.9-8.0	JBH14_0-0.1	JBH14_0.2-0.3	JBH14_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053488	S25-Ma0053489	S25-Ma0053490	S25-Ma0053491
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	-	0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	-	1.0	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	101	92	INT
p-Terphenyl-d14 (surr.)	1	%	-	105	127	INT
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	95	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	104	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-

Client Sample ID			JBH12_7.9-8.0	JBH14_0-0.1	JBH14_0.2-0.3	JBH14_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053488	S25-Ma0053489	S25-Ma0053490	S25-Ma0053491
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	95	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	104	-	-
Sample Properties						
% Moisture	1	%	13	5.7	7.4	8.1
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	-
13C4-PFBA (surr.)	1	%	-	119	-	-
13C5-PFPeA (surr.)	1	%	-	147	-	-
13C5-PFHxA (surr.)	1	%	-	131	-	-
13C4-PFHpA (surr.)	1	%	-	139	-	-
13C8-PFOA (surr.)	1	%	-	174	-	-
13C5-PFNA (surr.)	1	%	-	104	-	-
13C6-PFDA (surr.)	1	%	-	116	-	-
13C2-PFUnDA (surr.)	1	%	-	113	-	-
13C2-PFDoDA (surr.)	1	%	-	90	-	-
13C2-PFTeDA (surr.)	1	%	-	100	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	-
13C8-FOSA (surr.)	1	%	-	121	-	-
D3-N-MeFOSA (surr.)	1	%	-	165	-	-
D5-N-EtFOSA (surr.)	1	%	-	110	-	-
D7-N-MeFOSE (surr.)	1	%	-	109	-	-
D9-N-EtFOSE (surr.)	1	%	-	94	-	-
D5-N-EtFOSAA (surr.)	1	%	-	92	-	-
D3-N-MeFOSAA (surr.)	1	%	-	92	-	-

Client Sample ID			JBH12_7.9-8.0	JBH14_0-0.1	JBH14_0.2-0.3	JBH14_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053488	S25-Ma0053489	S25-Ma0053490	S25-Ma0053491
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	-
13C3-PFBS (surr.)	1	%	-	142	-	-
18O2-PFHxS (surr.)	1	%	-	124	-	-
13C8-PFOS (surr.)	1	%	-	133	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	-	175	-	-
13C2-6:2 FTSA (surr.)	1	%	-	128	-	-
13C2-8:2 FTSA (surr.)	1	%	-	120	-	-
13C2-10:2 FTSA (surr.)	1	%	-	75	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	-
Heavy Metals						
Arsenic	2	mg/kg	-	2.1	-	4.0
Cadmium	0.4	mg/kg	-	< 0.4	-	< 0.4
Chromium	5	mg/kg	-	< 5	-	5.0
Copper	5	mg/kg	-	9.7	-	19
Lead	5	mg/kg	-	46	-	150
Mercury	0.1	mg/kg	-	< 0.1	-	0.1
Nickel	5	mg/kg	-	< 5	-	< 5
Zinc	5	mg/kg	-	69	-	140
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	60
TRH C29-C36	50	mg/kg	-	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	-	60
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	< 100

Client Sample ID			JBH12_7.9-8.0	JBH14_0-0.1	JBH14_0.2-0.3	JBH14_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053488	S25-Ma0053489	S25-Ma0053490	S25-Ma0053491
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	129
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5
Fraction Organic Carbon*	0.01	% w/w	0.01	-	-	-
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	4.6	-	-	-
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	50	-	-	-
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.080	-	-	-
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	5.0	-	-	-
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	0.05	-	-	-
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	32	-	-	-
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	< 2	-	-	-
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	< 0.02	-	-	-
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	< 0.005	-	-	-
Peroxide Extractable Sulfur	0.005	% S	< 0.005	-	-	-
HCl Extractable Sulfur	0.005	% S	N/A	-	-	-
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	< 0.005	-	-	-
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	< 2	-	-	-
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	N/A	-	-	-
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	N/A	-	-	-
HCl Extractable Sulfur Correction Factor	1	factor	2.0	-	-	-
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	0.010	-	-	-
Calcium - Peroxide	0.005	% Ca	0.010	-	-	-
Calcium - Acid Reacted	0.005	% Ca	< 0.005	-	-	-
Calcium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	-	-	-
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	-	-	-
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	0.010	-	-	-
Magnesium - Peroxide	0.005	% Mg	0.020	-	-	-
Magnesium - Acid Reacted	0.005	% Mg	< 0.005	-	-	-
Magnesium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	-	-	-
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	-	-	-

Client Sample ID			JBH12_7.9-8.0	JBH14_0-0.1	JBH14_0.2-0.3	JBH14_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053488	S25-Ma0053489	S25-Ma0053490	S25-Ma0053491
Date Sampled			Mar 19, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	N/A	-	-	-
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	N/A	-	-	-
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	n/a	-	-	-
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	1.5	-	-	-
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	50	-	-	-
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	0.08	-	-	-
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	4.0	-	-	-
Extraneous Material						
<2mm Fraction	0.005	g	29	-	-	-
>2mm Fraction	0.005	g	< 0.005	-	-	-
Analysed Material	0.1	%	100	-	-	-
Extraneous Material	0.1	%	< 0.1	-	-	-

Client Sample ID			JBH14_0.9-1.0	JBH14_2.9-3.0	JBH14_3.9-4.0	JBH14_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053492	S25-Ma0053493	S25-Ma0053494	S25-Ma0053495
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	5.1	14	13	32
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	< 5
13C4-PFBA (surr.)	1	%	-	108	-	91
13C5-PFPeA (surr.)	1	%	-	122	-	100
13C5-PFHxA (surr.)	1	%	-	126	-	106
13C4-PFHpA (surr.)	1	%	-	128	-	96
13C8-PFOA (surr.)	1	%	-	113	-	121
13C5-PFNA (surr.)	1	%	-	117	-	99
13C6-PFDA (surr.)	1	%	-	101	-	97
13C2-PFUnDA (surr.)	1	%	-	99	-	90
13C2-PFDoDA (surr.)	1	%	-	83	-	103
13C2-PFTeDA (surr.)	1	%	-	89	-	88

Client Sample ID			JBH14_0.9-1.0	JBH14_2.9-3.0	JBH14_3.9-4.0	JBH14_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053492	S25-Ma0053493	S25-Ma0053494	S25-Ma0053495
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	< 10
13C8-FOSA (surr.)	1	%	-	126	-	88
D3-N-MeFOSA (surr.)	1	%	-	145	-	129
D5-N-EtFOSA (surr.)	1	%	-	116	-	108
D7-N-MeFOSE (surr.)	1	%	-	106	-	91
D9-N-EtFOSE (surr.)	1	%	-	109	-	89
D5-N-EtFOSAA (surr.)	1	%	-	60	-	81
D3-N-MeFOSAA (surr.)	1	%	-	60	-	80
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]< 5	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	< 5
13C3-PFBS (surr.)	1	%	-	163	-	139
18O2-PFHxS (surr.)	1	%	-	119	-	113
13C8-PFOS (surr.)	1	%	-	108	-	112
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	150	-	169
13C2-6:2 FTSA (surr.)	1	%	-	109	-	117
13C2-8:2 FTSA (surr.)	1	%	-	81	-	98
13C2-10:2 FTSA (surr.)	1	%	-	62	-	68
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	< 50

Client Sample ID			JBH14_0.9-1.0	JBH14_2.9-3.0	JBH14_3.9-4.0	JBH14_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053492	S25-Ma0053493	S25-Ma0053494	S25-Ma0053495
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	82	-	-	-
TRH C29-C36	50	mg/kg	84	-	-	-
TRH C10-C36 (Total)	50	mg/kg	166	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	54	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	54	-	-	-
TRH >C16-C34	100	mg/kg	180	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	234	-	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	132	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
Fraction Organic Carbon*	0.01	% w/w	-	-	-	0.01
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	-	-	4.6	4.7
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	-	-	40	32
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	-	-	0.060	0.050
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	-	-	5.0	5.1
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	-	-	0.04	0.02
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	-	-	22	15
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	-	-	< 2	< 2
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	-	-	< 0.02	< 0.02
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	-	-	0.020	0.010
Peroxide Extractable Sulfur	0.005	% S	-	-	0.020	0.020
HCl Extractable Sulfur	0.005	% S	-	-	N/A	N/A
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	-	-	0.005	< 0.005
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	-	-	3.3	< 2
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	-	-	N/A	N/A
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	-	-	N/A	N/A
HCl Extractable Sulfur Correction Factor	1	factor	-	-	2.0	2.0

Client Sample ID			JBH14_0.9-1.0	JBH14_2.9-3.0	JBH14_3.9-4.0	JBH14_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053492	S25-Ma0053493	S25-Ma0053494	S25-Ma0053495
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	-	-	0.060	0.060
Calcium - Peroxide	0.005	% Ca	-	-	0.070	0.070
Calcium - Acid Reacted	0.005	% Ca	-	-	0.007	0.006
Calcium - Acid Reacted (s-aCa)	0.005	% S	-	-	0.006	0.005
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	-	3.4	3.2
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	-	-	0.020	0.010
Magnesium - Peroxide	0.005	% Mg	-	-	0.020	0.020
Magnesium - Acid Reacted	0.005	% Mg	-	-	< 0.005	< 0.005
Magnesium - Acid Reacted (s-aCa)	0.005	% S	-	-	< 0.005	< 0.005
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	-	< 0.005	< 0.005
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	-	-	N/A	N/A
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	-	-	N/A	N/A
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	-	-	n/a	n/a
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	-	-	1.5	1.5
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	-	-	43	32
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	-	-	0.07	0.05
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	-	-	3.0	2.0
Extraneous Material						
<2mm Fraction	0.005	g	-	-	33	24
>2mm Fraction	0.005	g	-	-	< 0.005	< 0.005
Analysed Material	0.1	%	-	-	100	100
Extraneous Material	0.1	%	-	-	< 0.1	< 0.1

Client Sample ID			JBH14_5.9-6.0	JBH14_6.9-7.0	JBH14_7.9-8.0	JBH15_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053496	S25-Ma0053497	S25-Ma0053498	S25-Ma0053499
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	-	1.2
Acenaphthene	0.5	mg/kg	-	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	-	< 0.5
Anthracene	0.5	mg/kg	-	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	-	-	< 0.5
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	-	< 0.5
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Chrysene	0.5	mg/kg	-	-	-	< 0.5
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			JBH14_5.9-6.0	JBH14_6.9-7.0	JBH14_7.9-8.0	JBH15_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053496	S25-Ma0053497	S25-Ma0053498	S25-Ma0053499
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluoranthene	0.5	mg/kg	-	-	-	< 0.5
Fluorene	0.5	mg/kg	-	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	-	< 0.5
Naphthalene	0.5	mg/kg	-	-	-	< 0.5
Phenanthrene	0.5	mg/kg	-	-	-	< 0.5
Pyrene	0.5	mg/kg	-	-	-	< 0.5
Total PAH*	0.5	mg/kg	-	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	-	-	INT
p-Terphenyl-d14 (surr.)	1	%	-	-	-	INT
Sample Properties						
% Moisture	1	%	25	14	13	3.5
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	-	< 5
13C4-PFBA (surr.)	1	%	-	-	-	137
13C5-PFPeA (surr.)	1	%	-	-	-	138
13C5-PFHxA (surr.)	1	%	-	-	-	167
13C4-PFHpA (surr.)	1	%	-	-	-	172
13C8-PFOA (surr.)	1	%	-	-	-	133
13C5-PFNA (surr.)	1	%	-	-	-	133
13C6-PFDA (surr.)	1	%	-	-	-	131
13C2-PFUnDA (surr.)	1	%	-	-	-	127
13C2-PFDoDA (surr.)	1	%	-	-	-	122
13C2-PFTeDA (surr.)	1	%	-	-	-	134
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	-	< 10
13C8-FOSA (surr.)	1	%	-	-	-	145
D3-N-MeFOSA (surr.)	1	%	-	-	-	180
D5-N-EtFOSA (surr.)	1	%	-	-	-	129
D7-N-MeFOSE (surr.)	1	%	-	-	-	125

Client Sample ID			JBH14_5.9-6.0	JBH14_6.9-7.0	JBH14_7.9-8.0	JBH15_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053496	S25-Ma0053497	S25-Ma0053498	S25-Ma0053499
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D9-N-EtFOSE (surr.)	1	%	-	-	-	125
D5-N-EtFOSAA (surr.)	1	%	-	-	-	101
D3-N-MeFOSAA (surr.)	1	%	-	-	-	117
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	-	< 5
13C3-PFBS (surr.)	1	%	-	-	-	149
18O2-PFHxS (surr.)	1	%	-	-	-	133
13C8-PFOS (surr.)	1	%	-	-	-	138
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	-	162
13C2-6:2 FTSA (surr.)	1	%	-	-	-	121
13C2-8:2 FTSA (surr.)	1	%	-	-	-	117
13C2-10:2 FTSA (surr.)	1	%	-	-	-	94
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	-	< 50
Heavy Metals						
Arsenic	2	mg/kg	-	7.2	-	< 2
Cadmium	0.4	mg/kg	-	< 0.4	-	< 0.4
Chromium	5	mg/kg	-	7.8	-	13
Copper	5	mg/kg	-	21	-	82
Lead	5	mg/kg	-	21	-	< 5
Mercury	0.1	mg/kg	-	< 0.1	-	< 0.1
Nickel	5	mg/kg	-	< 5	-	37
Zinc	5	mg/kg	-	6.2	-	36
% Clay	2.5	%	-	-	-	< 2.5
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	-	39
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	-	9.5
Fraction Organic Carbon*	0.01	% w/w	-	-	0.01	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	-	-	-	13

Client Sample ID			JBH14_5.9-6.0	JBH14_6.9-7.0	JBH14_7.9-8.0	JBH15_0-0.1
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053496	S25-Ma0053497	S25-Ma0053498	S25-Ma0053499
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	4.7	-	4.6	-
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	43	-	34	-
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.070	-	0.060	-
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	5.3	-	4.5	-
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	0.04	-	0.06	-
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	28	-	35	-
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	< 2	-	< 2	-
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	< 0.02	-	< 0.02	-
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	0.010	-	< 0.005	-
Peroxide Extractable Sulfur	0.005	% S	0.010	-	0.010	-
HCl Extractable Sulfur	0.005	% S	N/A	-	N/A	-
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	< 0.005	-	0.008	-
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	< 2	-	5.1	-
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	N/A	-	N/A	-
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	N/A	-	N/A	-
HCl Extractable Sulfur Correction Factor	1	factor	2.0	-	2.0	-
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	0.020	-	0.020	-
Calcium - Peroxide	0.005	% Ca	0.020	-	0.030	-
Calcium - Acid Reacted	0.005	% Ca	< 0.005	-	< 0.005	-
Calcium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	-	< 0.005	-
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	-	< 0.005	-
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	0.020	-	0.030	-
Magnesium - Peroxide	0.005	% Mg	0.030	-	0.030	-
Magnesium - Acid Reacted	0.005	% Mg	< 0.005	-	< 0.005	-
Magnesium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	-	< 0.005	-
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	-	< 0.005	-
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	N/A	-	N/A	-
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	N/A	-	N/A	-
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	n/a	-	n/a	-
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	1.5	-	1.5	-
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	43	-	39	-
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	0.07	-	0.06	-
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	3.0	-	3.0	-
Extraneous Material						
<2mm Fraction	0.005	g	17	-	150	-
>2mm Fraction	0.005	g	< 0.005	-	32	-
Analysed Material	0.1	%	100	-	82	-
Extraneous Material	0.1	%	< 0.1	-	18	-

Client Sample ID			JBH15_0.2-0.3	JBH15_1.4-1.5	JBH17_0.2-0.3	JBH17_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053500	S25-Ma0053501	S25-Ma0053502	S25-Ma0053503
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	-	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	-	-	-
Acenaphthene	0.5	mg/kg	< 0.5	-	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	-
Anthracene	0.5	mg/kg	< 0.5	-	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	-	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	-	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	-	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	-	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Chrysene	0.5	mg/kg	< 0.5	-	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	-	-	-
Fluoranthene	0.5	mg/kg	< 0.5	-	-	-
Fluorene	0.5	mg/kg	< 0.5	-	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	-	-	-
Naphthalene	0.5	mg/kg	< 0.5	-	-	-
Phenanthrene	0.5	mg/kg	< 0.5	-	-	-
Pyrene	0.5	mg/kg	< 0.5	-	-	-
Total PAH*	0.5	mg/kg	< 0.5	-	-	-
2-Fluorobiphenyl (surr.)	1	%	55	-	-	-
p-Terphenyl-d14 (surr.)	1	%	51	-	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 1	-	-
4.4'-DDD	0.05	mg/kg	-	< 0.5	-	-
4.4'-DDE	0.05	mg/kg	-	< 0.5	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.5	-	-
a-HCH	0.05	mg/kg	-	< 0.5	-	-
Aldrin	0.05	mg/kg	-	< 0.5	-	-
b-HCH	0.05	mg/kg	-	< 0.5	-	-
d-HCH	0.05	mg/kg	-	< 0.5	-	-
Dieldrin	0.05	mg/kg	-	< 0.5	-	-
Endosulfan I	0.05	mg/kg	-	< 0.5	-	-
Endosulfan II	0.05	mg/kg	-	< 0.5	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.5	-	-
Endrin	0.05	mg/kg	-	< 0.5	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.5	-	-
Endrin ketone	0.05	mg/kg	-	< 0.5	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.5	-	-
Heptachlor	0.05	mg/kg	-	< 0.5	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.5	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.5	-	-
Methoxychlor	0.05	mg/kg	-	< 0.5	-	-
Toxaphene	0.5	mg/kg	-	< 10	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.5	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 1	-	-
Dibutylchlorendate (surr.)	1	%	-	64	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	110	-	-

Client Sample ID			JBH15_0.2-0.3	JBH15_1.4-1.5	JBH17_0.2-0.3	JBH17_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053500	S25-Ma0053501	S25-Ma0053502	S25-Ma0053503
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 1	-	-
Aroclor-1221	0.1	mg/kg	-	< 1	-	-
Aroclor-1232	0.1	mg/kg	-	< 1	-	-
Aroclor-1242	0.1	mg/kg	-	< 1	-	-
Aroclor-1248	0.1	mg/kg	-	< 1	-	-
Aroclor-1254	0.1	mg/kg	-	< 1	-	-
Aroclor-1260	0.1	mg/kg	-	< 1	-	-
Total PCB*	0.1	mg/kg	-	< 1	-	-
Dibutylchlorendate (surr.)	1	%	-	64	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	110	-	-
Sample Properties						
% Moisture	1	%	6.2	3.8	4.0	4.5
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	< 5	-
13C4-PFBA (surr.)	1	%	-	-	130	-
13C5-PFPeA (surr.)	1	%	-	-	128	-
13C5-PFHxA (surr.)	1	%	-	-	146	-
13C4-PFHpA (surr.)	1	%	-	-	151	-
13C8-PFOA (surr.)	1	%	-	-	142	-
13C5-PFNA (surr.)	1	%	-	-	177	-
13C6-PFDA (surr.)	1	%	-	-	161	-
13C2-PFUnDA (surr.)	1	%	-	-	150	-
13C2-PFDoDA (surr.)	1	%	-	-	145	-
13C2-PFTeDA (surr.)	1	%	-	-	125	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	< 10	-
13C8-FOSA (surr.)	1	%	-	-	150	-
D3-N-MeFOSA (surr.)	1	%	-	-	162	-
D5-N-EtFOSA (surr.)	1	%	-	-	127	-

Client Sample ID			JBH15_0.2-0.3	JBH15_1.4-1.5	JBH17_0.2-0.3	JBH17_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053500	S25-Ma0053501	S25-Ma0053502	S25-Ma0053503
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D7-N-MeFOSE (surr.)	1	%	-	-	99	-
D9-N-EtFOSE (surr.)	1	%	-	-	104	-
D5-N-EtFOSAA (surr.)	1	%	-	-	INT	-
D3-N-MeFOSAA (surr.)	1	%	-	-	INT	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	[N09]< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	< 5	-
13C3-PFBS (surr.)	1	%	-	-	136	-
18O2-PFHxS (surr.)	1	%	-	-	133	-
13C8-PFOS (surr.)	1	%	-	-	141	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
13C2-4:2 FTSA (surr.)	1	%	-	-	INT	-
13C2-6:2 FTSA (surr.)	1	%	-	-	INT	-
13C2-8:2 FTSA (surr.)	1	%	-	-	INT	-
13C2-10:2 FTSA (surr.)	1	%	-	-	INT	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	-	-	< 50	-
Heavy Metals						
Arsenic	2	mg/kg	< 2	-	-	-
Cadmium	0.4	mg/kg	< 0.4	-	-	-
Chromium	5	mg/kg	16	-	-	-
Copper	5	mg/kg	100	-	-	-
Lead	5	mg/kg	11	-	-	-
Mercury	0.1	mg/kg	< 0.1	-	-	-
Nickel	5	mg/kg	56	-	-	-
Zinc	5	mg/kg	67	-	-	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	< 20
TRH C15-C28	50	mg/kg	-	-	< 50	< 50
TRH C29-C36	50	mg/kg	-	-	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	-	-	< 50	< 50

Client Sample ID			JBH15_0.2-0.3	JBH15_1.4-1.5	JBH17_0.2-0.3	JBH17_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053500	S25-Ma0053501	S25-Ma0053502	S25-Ma0053503
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	< 100	< 100
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	< 100	< 100
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	87	86
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			JBH15_0.2-0.3	JBH15_1.4-1.5	JBH17_0.2-0.3	JBH17_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053500	S25-Ma0053501	S25-Ma0053502	S25-Ma0053503
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	87	-
Toluene-d8 (surr.)	1	%	-	-	95	-

Client Sample ID			JBH17_0.9-1.0	JBH18_0.2-0.3	JBH18_0.4-0.5	JBH18_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053504	S25-Ma0053505	S25-Ma0053506	S25-Ma0053507
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	-	0.12	-	-
4.4'-DDE	0.05	mg/kg	-	0.08	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-

Client Sample ID			JBH17_0.9-1.0	JBH18_0.2-0.3	JBH18_0.4-0.5	JBH18_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053504	S25-Ma0053505	S25-Ma0053506	S25-Ma0053507
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	0.2	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	0.2	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	135	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	80	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	135	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	80	-	-
Sample Properties						
% Moisture	1	%	3.5	7.0	5.6	2.7
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	-	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	-	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	-	< 5
13C4-PFBA (surr.)	1	%	-	-	-	122
13C5-PFPeA (surr.)	1	%	-	-	-	115
13C5-PFHxA (surr.)	1	%	-	-	-	136
13C4-PFHpA (surr.)	1	%	-	-	-	150
13C8-PFOA (surr.)	1	%	-	-	-	133
13C5-PFNA (surr.)	1	%	-	-	-	113
13C6-PFDA (surr.)	1	%	-	-	-	109
13C2-PFUnDA (surr.)	1	%	-	-	-	108
13C2-PFDoDA (surr.)	1	%	-	-	-	106
13C2-PFTeDA (surr.)	1	%	-	-	-	106

Client Sample ID			JBH17_0.9-1.0	JBH18_0.2-0.3	JBH18_0.4-0.5	JBH18_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053504	S25-Ma0053505	S25-Ma0053506	S25-Ma0053507
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	-	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	-	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	-	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	-	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	-	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	-	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	-	< 10
13C8-FOSA (surr.)	1	%	-	-	-	126
D3-N-MeFOSA (surr.)	1	%	-	-	-	153
D5-N-EtFOSA (surr.)	1	%	-	-	-	121
D7-N-MeFOSE (surr.)	1	%	-	-	-	114
D9-N-EtFOSE (surr.)	1	%	-	-	-	114
D5-N-EtFOSAA (surr.)	1	%	-	-	-	91
D3-N-MeFOSAA (surr.)	1	%	-	-	-	109
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	-	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	-	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	-	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	-	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	-	[N09]< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	-	< 5
13C3-PFBS (surr.)	1	%	-	-	-	126
18O2-PFHxS (surr.)	1	%	-	-	-	112
13C8-PFOS (surr.)	1	%	-	-	-	116
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	-	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	-	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	-	171
13C2-6:2 FTSA (surr.)	1	%	-	-	-	119
13C2-8:2 FTSA (surr.)	1	%	-	-	-	114
13C2-10:2 FTSA (surr.)	1	%	-	-	-	78
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	-	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	-	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	-	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	-	< 50

Client Sample ID			JBH17_0.9-1.0	JBH18_0.2-0.3	JBH18_0.4-0.5	JBH18_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053504	S25-Ma0053505	S25-Ma0053506	S25-Ma0053507
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	< 2	< 2	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	-	-
Chromium	5	mg/kg	< 5	5.8	-	-
Copper	5	mg/kg	< 5	52	-	-
Lead	5	mg/kg	< 5	160	-	-
Mercury	0.1	mg/kg	< 0.1	0.1	-	-
Nickel	5	mg/kg	< 5	< 5	-	-
Zinc	5	mg/kg	11	260	-	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	< 20	-
TRH C15-C28	50	mg/kg	-	< 50	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	< 50	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	100	76	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			JBH17_0.9-1.0	JBH18_0.2-0.3	JBH18_0.4-0.5	JBH18_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053504	S25-Ma0053505	S25-Ma0053506	S25-Ma0053507
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	-
Allyl chloride	0.5	mg/kg	-	< 0.5	-	-
Benzene	0.1	mg/kg	-	< 0.1	-	-
Bromobenzene	0.5	mg/kg	-	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromoform	0.5	mg/kg	-	< 0.5	-	-
Bromomethane	0.5	mg/kg	-	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	-
Chloroethane	0.5	mg/kg	-	< 0.5	-	-
Chloroform	0.5	mg/kg	-	< 0.5	-	-
Chloromethane	0.5	mg/kg	-	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Dibromomethane	0.5	mg/kg	-	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
Iodomethane	0.5	mg/kg	-	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Styrene	0.5	mg/kg	-	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Trichloroethene	0.5	mg/kg	-	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	-
Total MAH*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	-	100	-	-
Toluene-d8 (surr.)	1	%	-	112	-	-

Client Sample ID			JBH20_0-0.1	JBH20_0.2-0.3	JBH20_0.4-0.5	JBH20_1.4-1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053508	S25-Ma0053509	S25-Ma0053510	S25-Ma0053511
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	0.7	0.7	1.6	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	1.0	1.0	1.9	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.3	1.3	2.1	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	0.6	0.7	0.9	-
Benzo(a)pyrene	0.5	mg/kg	0.6	0.6	1.3	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	< 0.5	0.7	-
Benzo(g.h.i)perylene	0.5	mg/kg	0.5	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	0.6	0.5	0.9	-
Chrysene	0.5	mg/kg	0.6	0.6	1.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	1.2	1.3	2.0	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	0.6	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	0.8	0.9	< 0.5	-
Pyrene	0.5	mg/kg	1.1	1.2	2.1	-
Total PAH*	0.5	mg/kg	6.0	5.8	10	-
2-Fluorobiphenyl (surr.)	1	%	78	86	71	-
p-Terphenyl-d14 (surr.)	1	%	81	92	81	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	-
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-HCH	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-HCH	0.05	mg/kg	-	-	< 0.05	-
d-HCH	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxaphene	0.5	mg/kg	-	-	< 0.5	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	100	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	75	-

Client Sample ID			JBH20_0-0.1	JBH20_0.2-0.3	JBH20_0.4-0.5	JBH20_1.4-1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053508	S25-Ma0053509	S25-Ma0053510	S25-Ma0053511
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB*	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorendate (surr.)	1	%	-	-	100	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	75	-
Sample Properties						
% Moisture	1	%	12	9.0	24	13
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	< 5	-
13C4-PFBA (surr.)	1	%	-	-	121	-
13C5-PFPeA (surr.)	1	%	-	-	106	-
13C5-PFHxA (surr.)	1	%	-	-	140	-
13C4-PFHpA (surr.)	1	%	-	-	144	-
13C8-PFOA (surr.)	1	%	-	-	125	-
13C5-PFNA (surr.)	1	%	-	-	121	-
13C6-PFDA (surr.)	1	%	-	-	117	-
13C2-PFUnDA (surr.)	1	%	-	-	113	-
13C2-PFDoDA (surr.)	1	%	-	-	101	-
13C2-PFTeDA (surr.)	1	%	-	-	112	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	< 10	-
13C8-FOSA (surr.)	1	%	-	-	137	-
D3-N-MeFOSA (surr.)	1	%	-	-	152	-
D5-N-EtFOSA (surr.)	1	%	-	-	122	-

Client Sample ID			JBH20_0-0.1	JBH20_0.2-0.3	JBH20_0.4-0.5	JBH20_1.4-1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053508	S25-Ma0053509	S25-Ma0053510	S25-Ma0053511
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D7-N-MeFOSE (surr.)	1	%	-	-	112	-
D9-N-EtFOSE (surr.)	1	%	-	-	111	-
D5-N-EtFOSAA (surr.)	1	%	-	-	88	-
D3-N-MeFOSAA (surr.)	1	%	-	-	89	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	[N09]< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	< 5	-
13C3-PFBS (surr.)	1	%	-	-	136	-
18O2-PFHxS (surr.)	1	%	-	-	138	-
13C8-PFOS (surr.)	1	%	-	-	124	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
13C2-4:2 FTSA (surr.)	1	%	-	-	119	-
13C2-6:2 FTSA (surr.)	1	%	-	-	110	-
13C2-8:2 FTSA (surr.)	1	%	-	-	96	-
13C2-10:2 FTSA (surr.)	1	%	-	-	85	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	-	-	< 50	-
Heavy Metals						
Arsenic	2	mg/kg	-	-	6.7	2.2
Cadmium	0.4	mg/kg	-	-	0.8	0.5
Chromium	5	mg/kg	-	-	11	5.0
Copper	5	mg/kg	-	-	73	20
Lead	5	mg/kg	-	-	620	280
Mercury	0.1	mg/kg	-	-	1.3	0.4
Nickel	5	mg/kg	-	-	13	5.4
Zinc	5	mg/kg	-	-	610	490
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	-
TRH C10-C14	20	mg/kg	-	-	< 20	-
TRH C15-C28	50	mg/kg	-	-	270	-
TRH C29-C36	50	mg/kg	-	-	180	-
TRH C10-C36 (Total)	50	mg/kg	-	-	450	-

Client Sample ID			JBH20_0-0.1	JBH20_0.2-0.3	JBH20_0.4-0.5	JBH20_1.4-1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053508	S25-Ma0053509	S25-Ma0053510	S25-Ma0053511
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C10	20	mg/kg	-	-	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	-
TRH >C10-C16	50	mg/kg	-	-	52	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	52	-
TRH >C16-C34	100	mg/kg	-	-	400	-
TRH >C34-C40	100	mg/kg	-	-	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	-	452	-
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	-	71	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	-
Allyl chloride	0.5	mg/kg	-	-	< 0.5	-
Benzene	0.1	mg/kg	-	-	< 0.1	-
Bromobenzene	0.5	mg/kg	-	-	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	-
Bromoform	0.5	mg/kg	-	-	< 0.5	-
Bromomethane	0.5	mg/kg	-	-	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	-
Chloroethane	0.5	mg/kg	-	-	< 0.5	-

Client Sample ID			JBH20_0-0.1	JBH20_0.2-0.3	JBH20_0.4-0.5	JBH20_1.4-1.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053508	S25-Ma0053509	S25-Ma0053510	S25-Ma0053511
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Chloroform	0.5	mg/kg	-	-	< 0.5	-
Chloromethane	0.5	mg/kg	-	-	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	-
Dibromomethane	0.5	mg/kg	-	-	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	-
Iodomethane	0.5	mg/kg	-	-	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	-
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	-
o-Xylene	0.1	mg/kg	-	-	< 0.1	-
Styrene	0.5	mg/kg	-	-	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	-
Toluene	0.1	mg/kg	-	-	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	-
Trichloroethene	0.5	mg/kg	-	-	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	-
Total MAH*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	-	71	-
Toluene-d8 (surr.)	1	%	-	-	70	-

Client Sample ID			JBH20_2.9-3.0	JBH20_4.9-5.0	JBH20_5.9-6.0	JBH20_6.9-7.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053512	S25-Ma0053514	S25-Ma0053515	S25-Ma0053516
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	6.0	18	25	30
Heavy Metals						
Arsenic	2	mg/kg	-	-	3.1	-
Cadmium	0.4	mg/kg	-	-	< 0.4	-
Chromium	5	mg/kg	-	-	11	-
Copper	5	mg/kg	-	-	< 5	-
Lead	5	mg/kg	-	-	29	-
Mercury	0.1	mg/kg	-	-	< 0.1	-
Nickel	5	mg/kg	-	-	< 5	-
Zinc	5	mg/kg	-	-	75	-

Client Sample ID			JBH20_2.9-3.0	JBH20_4.9-5.0	JBH20_5.9-6.0	JBH20_6.9-7.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053512	S25-Ma0053514	S25-Ma0053515	S25-Ma0053516
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	77	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	-	4.4	4.5	4.5
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	-	65	66	71
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	-	0.10	0.11	0.11
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	-	4.7	5.0	5.1
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	-	0.08	0.08	0.10
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	-	52	51	60
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	-	< 2	< 2	< 2
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	-	< 0.02	< 0.02	< 0.02
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	-	0.020	0.010	0.010
Peroxide Extractable Sulfur	0.005	% S	-	0.020	0.010	0.020
HCl Extractable Sulfur	0.005	% S	-	0.020	N/A	N/A
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	-	< 0.005	< 0.005	0.005
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	-	< 2	< 2	3.4
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	-	0.005	N/A	N/A
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	-	2.9	N/A	N/A
HCl Extractable Sulfur Correction Factor	1	factor	-	2.0	2.0	2.0
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	-	0.040	0.030	0.010
Calcium - Peroxide	0.005	% Ca	-	0.040	0.030	0.020
Calcium - Acid Reacted	0.005	% Ca	-	< 0.005	< 0.005	< 0.005
Calcium - Acid Reacted (s-aCa)	0.005	% S	-	< 0.005	< 0.005	< 0.005
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	< 0.005	< 0.005	< 0.005

Client Sample ID			JBH20_2.9-3.0	JBH20_4.9-5.0	JBH20_5.9-6.0	JBH20_6.9-7.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053512	S25-Ma0053514	S25-Ma0053515	S25-Ma0053516
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	-	0.010	0.020	0.030
Magnesium - Peroxide	0.005	% Mg	-	0.010	0.020	0.040
Magnesium - Acid Reacted	0.005	% Mg	-	< 0.005	< 0.005	0.009
Magnesium - Acid Reacted (s-aCa)	0.005	% S	-	< 0.005	< 0.005	0.012
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	< 0.005	< 0.005	7.2
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	-	N/A	N/A	N/A
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	-	N/A	N/A	N/A
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	-	n/a	n/a	n/a
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	-	1.5	1.5	1.5
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	-	68	66	74
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	-	0.11	0.11	0.12
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	-	5.0	5.0	6.0
Extraneous Material						
<2mm Fraction	0.005	g	-	20	15	15
>2mm Fraction	0.005	g	-	< 0.005	< 0.005	< 0.005
Analysed Material	0.1	%	-	100	100	100
Extraneous Material	0.1	%	-	< 0.1	< 0.1	< 0.1

Client Sample ID			JBH20_7.9-8.0	JBH20_8.9-9.0	JBH21_0-0.1	JBH21_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053517	S25-Ma0053518	S25-Ma0053519	S25-Ma0053520
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	1.2	-
Acenaphthene	0.5	mg/kg	-	-	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	-
Anthracene	0.5	mg/kg	-	-	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	-	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	-	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Chrysene	0.5	mg/kg	-	-	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	-
Fluoranthene	0.5	mg/kg	-	-	< 0.5	-
Fluorene	0.5	mg/kg	-	-	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	-
Naphthalene	0.5	mg/kg	-	-	< 0.5	-
Phenanthrene	0.5	mg/kg	-	-	< 0.5	-
Pyrene	0.5	mg/kg	-	-	0.5	-
Total PAH*	0.5	mg/kg	-	-	0.5	-

Client Sample ID			JBH20_7.9-8.0	JBH20_8.9-9.0	JBH21_0-0.1	JBH21_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053517	S25-Ma0053518	S25-Ma0053519	S25-Ma0053520
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
2-Fluorobiphenyl (surr.)	1	%	-	-	71	-
p-Terphenyl-d14 (surr.)	1	%	-	-	90	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-HCH	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-HCH	0.05	mg/kg	-	-	-	< 0.05
d-HCH	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	< 0.05
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxaphene	0.5	mg/kg	-	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	59
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	83
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	59
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	83
Sample Properties						
% Moisture	1	%	27	26	4.8	2.3
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	< 2
Cadmium	0.4	mg/kg	-	-	-	< 0.4
Chromium	5	mg/kg	-	-	-	< 5
Copper	5	mg/kg	-	-	-	< 5

Client Sample ID			JBH20_7.9-8.0	JBH20_8.9-9.0	JBH21_0-0.1	JBH21_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053517	S25-Ma0053518	S25-Ma0053519	S25-Ma0053520
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	-	-	-	< 5
Mercury	0.1	mg/kg	-	-	-	< 0.1
Nickel	5	mg/kg	-	-	-	< 5
Zinc	5	mg/kg	-	-	-	< 5
Fraction Organic Carbon*	0.01	% w/w	< 0.01	< 0.01	-	-
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	4.6	4.5	-	-
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	46	56	-	-
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.070	0.090	-	-
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	5.3	5.0	-	-
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	0.05	0.07	-	-
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	33	42	-	-
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	< 2	< 2	-	-
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	< 0.02	< 0.02	-	-
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	0.010	0.010	-	-
Peroxide Extractable Sulfur	0.005	% S	0.010	0.010	-	-
HCl Extractable Sulfur	0.005	% S	N/A	N/A	-	-
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	< 0.005	< 0.005	-	-
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	< 2	< 2	-	-
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	N/A	N/A	-	-
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	N/A	N/A	-	-
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0	-	-
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	0.010	0.030	-	-
Calcium - Peroxide	0.005	% Ca	0.010	0.030	-	-
Calcium - Acid Reacted	0.005	% Ca	< 0.005	< 0.005	-	-
Calcium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	< 0.005	-	-
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	< 0.005	-	-
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	0.040	0.030	-	-
Magnesium - Peroxide	0.005	% Mg	0.050	0.040	-	-
Magnesium - Acid Reacted	0.005	% Mg	< 0.005	< 0.005	-	-
Magnesium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	< 0.005	-	-
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	< 0.005	-	-
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	N/A	N/A	-	-
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	N/A	N/A	-	-
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	n/a	n/a	-	-
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	1.5	1.5	-	-
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	46	56	-	-
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	0.07	0.09	-	-
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	3.0	4.0	-	-

Client Sample ID			JBH20_7.9-8.0	JBH20_8.9-9.0	JBH21_0-0.1	JBH21_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053517	S25-Ma0053518	S25-Ma0053519	S25-Ma0053520
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Extraneous Material						
<2mm Fraction	0.005	g	22	25	-	-
>2mm Fraction	0.005	g	< 0.005	< 0.005	-	-
Analysed Material	0.1	%	100	100	-	-
Extraneous Material	0.1	%	< 0.1	< 0.1	-	-

Client Sample ID			JBH21_1.9-2.0	JBH21_4.9-5.0	JBH21_5.9-6.0	JBH21_8.2-8.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053521	S25-Ma0053522	S25-Ma0053523	S25-Ma0053524
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	3.9	14	9.8	3.5
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	< 5	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	< 5	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	< 5	-
13C4-PFBA (surr.)	1	%	-	-	87	-
13C5-PFPeA (surr.)	1	%	-	-	91	-
13C5-PFHxA (surr.)	1	%	-	-	87	-
13C4-PFHpA (surr.)	1	%	-	-	80	-
13C8-PFOA (surr.)	1	%	-	-	84	-
13C5-PFNA (surr.)	1	%	-	-	89	-
13C6-PFDA (surr.)	1	%	-	-	81	-
13C2-PFUnDA (surr.)	1	%	-	-	73	-
13C2-PFDoDA (surr.)	1	%	-	-	68	-
13C2-PFTeDA (surr.)	1	%	-	-	64	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	< 5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	< 5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	< 5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	< 5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	< 5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	< 10	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	< 10	-
13C8-FOSA (surr.)	1	%	-	-	84	-

Client Sample ID			JBH21_1.9-2.0	JBH21_4.9-5.0	JBH21_5.9-6.0	JBH21_8.2-8.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053521	S25-Ma0053522	S25-Ma0053523	S25-Ma0053524
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D3-N-MeFOSA (surr.)	1	%	-	-	89	-
D5-N-EtFOSA (surr.)	1	%	-	-	81	-
D7-N-MeFOSE (surr.)	1	%	-	-	73	-
D9-N-EtFOSE (surr.)	1	%	-	-	72	-
D5-N-EtFOSAA (surr.)	1	%	-	-	66	-
D3-N-MeFOSAA (surr.)	1	%	-	-	75	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	< 5	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	< 5	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	< 5	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	< 5	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	< 5	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	< 5	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	< 5	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	< 5	-
13C3-PFBS (surr.)	1	%	-	-	110	-
18O2-PFHxS (surr.)	1	%	-	-	94	-
13C8-PFOS (surr.)	1	%	-	-	85	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	< 10	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	< 5	-
13C2-4:2 FTSA (surr.)	1	%	-	-	105	-
13C2-6:2 FTSA (surr.)	1	%	-	-	78	-
13C2-8:2 FTSA (surr.)	1	%	-	-	63	-
13C2-10:2 FTSA (surr.)	1	%	-	-	56	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	< 5	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	< 5	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	< 5	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	< 10	-
Sum of PFASs (n=30)*	50	ug/kg	-	-	< 50	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-

Client Sample ID			JBH21_1.9-2.0	JBH21_4.9-5.0	JBH21_5.9-6.0	JBH21_8.2-8.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053521	S25-Ma0053522	S25-Ma0053523	S25-Ma0053524
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	89	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-
Fraction Organic Carbon*	0.01	% w/w	-	-	-	0.01
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	-	5.5	5.6	-
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	-	9.0	9.0	-
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	-	0.020	0.010	-
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	-	6.0	5.9	-
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	-	< 0.02	< 0.02	-
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	-	< 2	< 2	-
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	-	< 2	< 2	-
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	-	< 0.02	< 0.02	-
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	-	< 0.005	< 0.005	-
Peroxide Extractable Sulfur	0.005	% S	-	< 0.005	< 0.005	-
HCl Extractable Sulfur	0.005	% S	-	N/A	N/A	-
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	-	< 0.005	< 0.005	-
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	-	< 2	< 2	-
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	-	N/A	N/A	-
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	-	N/A	N/A	-
HCl Extractable Sulfur Correction Factor	1	factor	-	2.0	2.0	-
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	-	0.010	0.020	-
Calcium - Peroxide	0.005	% Ca	-	0.010	0.020	-
Calcium - Acid Reacted	0.005	% Ca	-	< 0.005	< 0.005	-
Calcium - Acid Reacted (s-aCa)	0.005	% S	-	< 0.005	< 0.005	-
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	< 0.005	< 0.005	-
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	-	< 0.005	< 0.005	-
Magnesium - Peroxide	0.005	% Mg	-	0.010	0.010	-
Magnesium - Acid Reacted	0.005	% Mg	-	0.009	0.006	-
Magnesium - Acid Reacted (s-aCa)	0.005	% S	-	0.012	0.008	-
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	-	7.3	5.2	-
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	-	N/A	N/A	-
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	-	N/A	N/A	-
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	-	n/a	n/a	-

Client Sample ID			JBH21_1.9-2.0	JBH21_4.9-5.0	JBH21_5.9-6.0	JBH21_8.2-8.3
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053521	S25-Ma0053522	S25-Ma0053523	S25-Ma0053524
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	-	1.5	1.5	-
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	-	< 10	< 10	-
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	-	0.02	< 0.02	-
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	-	1.0	1.0	-
Extraneous Material						
<2mm Fraction	0.005	g	-	34	34	-
>2mm Fraction	0.005	g	-	< 0.005	< 0.005	-
Analysed Material	0.1	%	-	100	100	-
Extraneous Material	0.1	%	-	< 0.1	< 0.1	-

Client Sample ID			JBH25_0-0.1	JBH25_0.1-0.2	JBH25_0.2-0.3	JBH25_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053525	S25-Ma0053526	S25-Ma0053527	S25-Ma0053528
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	5.3	-	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	5.3	-	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	5.3	-	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	-
Acenaphthylene	0.5	mg/kg	< 0.5	0.8	-	-
Anthracene	0.5	mg/kg	< 0.5	0.9	-	-
Benz(a)anthracene	0.5	mg/kg	< 0.5	3.5	-	-
Benzo(a)pyrene	0.5	mg/kg	< 0.5	3.4	-	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	< 0.5	2.3	-	-
Benzo(g.h.i)perylene	0.5	mg/kg	< 0.5	2.4	-	-
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	3.5	-	-
Chrysene	0.5	mg/kg	< 0.5	3.2	-	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	0.7	-	-
Fluoranthene	0.5	mg/kg	< 0.5	5.7	-	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	2.0	-	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	-
Phenanthrene	0.5	mg/kg	< 0.5	3.3	-	-
Pyrene	0.5	mg/kg	< 0.5	6.1	-	-
Total PAH*	0.5	mg/kg	< 0.5	38	-	-
2-Fluorobiphenyl (surr.)	1	%	71	82	-	-
p-Terphenyl-d14 (surr.)	1	%	86	75	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-

Client Sample ID			JBH25_0-0.1	JBH25_0.1-0.2	JBH25_0.2-0.3	JBH25_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053525	S25-Ma0053526	S25-Ma0053527	S25-Ma0053528
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	83	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	83	-	-
Sample Properties						
% Moisture	1	%	7.1	8.3	12	9.5
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	< 5	-	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	< 5	-	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	< 5	-	-	-
13C4-PFBA (surr.)	1	%	110	-	-	-
13C5-PFPeA (surr.)	1	%	141	-	-	-
13C5-PFHxA (surr.)	1	%	131	-	-	-
13C4-PFHpA (surr.)	1	%	134	-	-	-

Client Sample ID			JBH25_0-0.1	JBH25_0.1-0.2	JBH25_0.2-0.3	JBH25_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053525	S25-Ma0053526	S25-Ma0053527	S25-Ma0053528
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C8-PFOA (surr.)	1	%	115	-	-	-
13C5-PFNA (surr.)	1	%	110	-	-	-
13C6-PFDA (surr.)	1	%	103	-	-	-
13C2-PFUnDA (surr.)	1	%	111	-	-	-
13C2-PFDoDA (surr.)	1	%	93	-	-	-
13C2-PFTeDA (surr.)	1	%	100	-	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	< 5	-	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	< 5	-	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	< 5	-	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	< 5	-	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	< 5	-	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	< 10	-	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	< 10	-	-	-
13C8-FOSA (surr.)	1	%	126	-	-	-
D3-N-MeFOSA (surr.)	1	%	158	-	-	-
D5-N-EtFOSA (surr.)	1	%	117	-	-	-
D7-N-MeFOSE (surr.)	1	%	108	-	-	-
D9-N-EtFOSE (surr.)	1	%	108	-	-	-
D5-N-EtFOSAA (surr.)	1	%	86	-	-	-
D3-N-MeFOSAA (surr.)	1	%	89	-	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	< 5	-	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	< 5	-	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	< 5	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	< 5	-	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	[N09]< 5	-	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	< 5	-	-	-
13C3-PFBS (surr.)	1	%	147	-	-	-
18O2-PFHxS (surr.)	1	%	104	-	-	-
13C8-PFOS (surr.)	1	%	118	-	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	< 10	-	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	< 5	-	-	-
13C2-4:2 FTSA (surr.)	1	%	133	-	-	-
13C2-6:2 FTSA (surr.)	1	%	114	-	-	-
13C2-8:2 FTSA (surr.)	1	%	86	-	-	-
13C2-10:2 FTSA (surr.)	1	%	65	-	-	-

Client Sample ID			JBH25_0-0.1	JBH25_0.1-0.2	JBH25_0.2-0.3	JBH25_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053525	S25-Ma0053526	S25-Ma0053527	S25-Ma0053528
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	< 5	-	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	< 5	-	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	< 10	-	-	-
Sum of PFASs (n=30)*	50	ug/kg	< 50	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	2.2	-	23	-
Cadmium	0.4	mg/kg	< 0.4	-	300	-
Chromium	5	mg/kg	110	-	150	-
Copper	5	mg/kg	33	-	2000	-
Lead	5	mg/kg	6.2	-	1000	-
Mercury	0.1	mg/kg	< 0.1	-	1.0	-
Nickel	5	mg/kg	110	-	1200	-
Zinc	5	mg/kg	68	-	2900	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	-	< 20
TRH C10-C14	20	mg/kg	-	-	-	< 20
TRH C15-C28	50	mg/kg	-	-	-	250
TRH C29-C36	50	mg/kg	-	-	-	200
TRH C10-C36 (Total)	50	mg/kg	-	-	-	450
TRH C6-C10	20	mg/kg	-	-	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	-	< 20
TRH >C10-C16	50	mg/kg	-	-	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	-	< 50
TRH >C16-C34	100	mg/kg	-	-	-	420
TRH >C34-C40	100	mg/kg	-	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	-	420
BTEX						
Benzene	0.1	mg/kg	-	-	-	< 0.1
Toluene	0.1	mg/kg	-	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	-	< 0.2
o-Xylene	0.1	mg/kg	-	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	-	78
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	-	< 0.5

Client Sample ID			JBH25_1.4-1.5	JBH26_0-0.1	JBH26_0.2-0.3	JBH26_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053529	S25-Ma0053530	S25-Ma0053531	S25-Ma0053532
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	1.2	-
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	0.5	-
Chrysene	0.5	mg/kg	-	< 0.5	0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	-	< 0.5	0.7	-
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	-	< 0.5	0.7	-
Total PAH*	0.5	mg/kg	-	< 0.5	2.4	-
2-Fluorobiphenyl (surr.)	1	%	-	96	99	-
p-Terphenyl-d14 (surr.)	1	%	-	110	92	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	-	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-HCH	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-HCH	0.05	mg/kg	-	-	-	< 0.05
d-HCH	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	< 0.05
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxaphene	0.5	mg/kg	-	-	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	54
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	73

Client Sample ID			JBH25_1.4-1.5	JBH26_0-0.1	JBH26_0.2-0.3	JBH26_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053529	S25-Ma0053530	S25-Ma0053531	S25-Ma0053532
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	54
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	73
Sample Properties						
% Moisture	1	%	4.1	6.8	8.5	4.0
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	-
13C4-PFBA (surr.)	1	%	-	110	-	-
13C5-PFPeA (surr.)	1	%	-	130	-	-
13C5-PFHxA (surr.)	1	%	-	137	-	-
13C4-PFHpA (surr.)	1	%	-	136	-	-
13C8-PFOA (surr.)	1	%	-	127	-	-
13C5-PFNA (surr.)	1	%	-	117	-	-
13C6-PFDA (surr.)	1	%	-	120	-	-
13C2-PFUnDA (surr.)	1	%	-	110	-	-
13C2-PFDoDA (surr.)	1	%	-	102	-	-
13C2-PFTeDA (surr.)	1	%	-	115	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	-
13C8-FOSA (surr.)	1	%	-	143	-	-
D3-N-MeFOSA (surr.)	1	%	-	158	-	-
D5-N-EtFOSA (surr.)	1	%	-	124	-	-

Client Sample ID			JBH25_1.4-1.5	JBH26_0-0.1	JBH26_0.2-0.3	JBH26_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053529	S25-Ma0053530	S25-Ma0053531	S25-Ma0053532
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances						
D7-N-MeFOSE (surr.)	1	%	-	114	-	-
D9-N-EtFOSE (surr.)	1	%	-	112	-	-
D5-N-EtFOSAA (surr.)	1	%	-	79	-	-
D3-N-MeFOSAA (surr.)	1	%	-	88	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	-
13C3-PFBS (surr.)	1	%	-	113	-	-
18O2-PFHxS (surr.)	1	%	-	126	-	-
13C8-PFOS (surr.)	1	%	-	122	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	-	149	-	-
13C2-6:2 FTSA (surr.)	1	%	-	119	-	-
13C2-8:2 FTSA (surr.)	1	%	-	100	-	-
13C2-10:2 FTSA (surr.)	1	%	-	81	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	-
Heavy Metals						
Arsenic	2	mg/kg	-	-	10.0	-
Cadmium	0.4	mg/kg	-	-	1.2	-
Chromium	5	mg/kg	-	-	22	-
Copper	5	mg/kg	-	-	80	-
Lead	5	mg/kg	-	-	1000	-
Mercury	0.1	mg/kg	-	-	1.0	-
Nickel	5	mg/kg	-	-	21	-
Zinc	5	mg/kg	-	-	1200	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	-
TRH C10-C14	20	mg/kg	< 20	-	-	-
TRH C15-C28	50	mg/kg	< 50	-	-	-
TRH C29-C36	50	mg/kg	< 50	-	-	-
TRH C10-C36 (Total)	50	mg/kg	< 50	-	-	-

Client Sample ID			JBH25_1.4-1.5	JBH26_0-0.1	JBH26_0.2-0.3	JBH26_1.9-2.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053529	S25-Ma0053530	S25-Ma0053531	S25-Ma0053532
Date Sampled			Mar 18, 2025	Mar 18, 2025	Mar 18, 2025	Mar 18, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C10	20	mg/kg	< 20	-	-	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20	-	-	-
TRH >C10-C16	50	mg/kg	< 50	-	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50	-	-	-
TRH >C16-C34	100	mg/kg	< 100	-	-	-
TRH >C34-C40	100	mg/kg	< 100	-	-	-
TRH >C10-C40 (total)*	100	mg/kg	< 100	-	-	-
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	-
Toluene	0.1	mg/kg	< 0.1	-	-	-
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	-
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	-
o-Xylene	0.1	mg/kg	< 0.1	-	-	-
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	-
4-Bromofluorobenzene (surr.)	1	%	87	-	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	< 0.5	-	-	-

Client Sample ID			JBH32_0-0.1	JBH32_0.2-0.3	JBH32_0.4-0.5	JBH32_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053533	S25-Ma0053534	S25-Ma0053535	S25-Ma0053536
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	1.2	2.4	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	1.5	2.7	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.7	2.9	1.2	-
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	0.8	4.4	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	0.9	1.5	< 0.5	-
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	0.8	1.3	< 0.5	-
Benzo(g.h.i)perylene	0.5	mg/kg	0.8	1.2	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	1.0	1.9	< 0.5	-
Chrysene	0.5	mg/kg	1.0	3.3	< 0.5	-
Dibenz(a.h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	2.2	4.5	< 0.5	-
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	0.5	1.3	< 0.5	-
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	1.2	3.2	< 0.5	-
Pyrene	0.5	mg/kg	1.9	5.0	< 0.5	-
Total PAH*	0.5	mg/kg	11	28	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	104	137	74	-
p-Terphenyl-d14 (surr.)	1	%	109	INT	90	-

Client Sample ID			JBH32_0-0.1	JBH32_0.2-0.3	JBH32_0.4-0.5	JBH32_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053533	S25-Ma0053534	S25-Ma0053535	S25-Ma0053536
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4.4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4.4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	145	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	INT	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	145	-	-
Sample Properties						
% Moisture	1	%	17	12	12	17
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	< 5	-	-

Client Sample ID			JBH32_0-0.1	JBH32_0.2-0.3	JBH32_0.4-0.5	JBH32_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053533	S25-Ma0053534	S25-Ma0053535	S25-Ma0053536
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	< 5	-	-
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	< 5	-	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	< 5	-	-
13C4-PFBA (surr.)	1	%	-	120	-	-
13C5-PFPeA (surr.)	1	%	-	132	-	-
13C5-PFHxA (surr.)	1	%	-	169	-	-
13C4-PFHpA (surr.)	1	%	-	129	-	-
13C8-PFOA (surr.)	1	%	-	140	-	-
13C5-PFNA (surr.)	1	%	-	126	-	-
13C6-PFDA (surr.)	1	%	-	130	-	-
13C2-PFUnDA (surr.)	1	%	-	122	-	-
13C2-PFDoDA (surr.)	1	%	-	94	-	-
13C2-PFTeDA (surr.)	1	%	-	103	-	-
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	< 5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	< 5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	< 5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	< 5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	< 5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	< 10	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	< 10	-	-
13C8-FOSA (surr.)	1	%	-	127	-	-
D3-N-MeFOSA (surr.)	1	%	-	155	-	-
D5-N-EtFOSA (surr.)	1	%	-	122	-	-
D7-N-MeFOSE (surr.)	1	%	-	106	-	-
D9-N-EtFOSE (surr.)	1	%	-	105	-	-
D5-N-EtFOSAA (surr.)	1	%	-	108	-	-
D3-N-MeFOSAA (surr.)	1	%	-	107	-	-
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	< 5	-	-
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	< 5	-	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	< 5	-	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	< 5	-	-
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	[N09]< 5	-	-
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	< 5	-	-
13C3-PFBS (surr.)	1	%	-	142	-	-
18O2-PFHxS (surr.)	1	%	-	130	-	-
13C8-PFOS (surr.)	1	%	-	125	-	-

Client Sample ID			JBH32_0-0.1	JBH32_0.2-0.3	JBH32_0.4-0.5	JBH32_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053533	S25-Ma0053534	S25-Ma0053535	S25-Ma0053536
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	< 10	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	< 5	-	-
13C2-4:2 FTSA (surr.)	1	%	-	199	-	-
13C2-6:2 FTSA (surr.)	1	%	-	134	-	-
13C2-8:2 FTSA (surr.)	1	%	-	117	-	-
13C2-10:2 FTSA (surr.)	1	%	-	87	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	< 5	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	< 5	-	-
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	< 10	-	-
Sum of PFASs (n=30)*	50	ug/kg	-	< 50	-	-
Heavy Metals						
Arsenic	2	mg/kg	5.1	6.4	-	-
Cadmium	0.4	mg/kg	0.6	0.6	-	-
Chromium	5	mg/kg	10	9.8	-	-
Copper	5	mg/kg	44	44	-	-
Lead	5	mg/kg	500	640	-	-
Mercury	0.1	mg/kg	0.2	0.3	-	-
Nickel	5	mg/kg	5.5	< 5	-	-
Zinc	5	mg/kg	300	370	-	-
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
TRH C10-C14	20	mg/kg	-	< 20	-	< 20
TRH C15-C28	50	mg/kg	-	64	-	60
TRH C29-C36	50	mg/kg	-	54	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	118	-	60
TRH C6-C10	20	mg/kg	-	< 20	-	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	-	< 20
TRH >C10-C16	50	mg/kg	-	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	< 50	-	< 50
TRH >C16-C34	100	mg/kg	-	100	-	< 100
TRH >C34-C40	100	mg/kg	-	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	100	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	-	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	96	-	78
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	-	< 0.5

Client Sample ID			JBH32_0-0.1	JBH32_0.2-0.3	JBH32_0.4-0.5	JBH32_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053533	S25-Ma0053534	S25-Ma0053535	S25-Ma0053536
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	-	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	-	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	-	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	-	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	-	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	-	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	-	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	-	-
Allyl chloride	0.5	mg/kg	-	< 0.5	-	-
Benzene	0.1	mg/kg	-	< 0.1	-	-
Bromobenzene	0.5	mg/kg	-	< 0.5	-	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	-	-
Bromoform	0.5	mg/kg	-	< 0.5	-	-
Bromomethane	0.5	mg/kg	-	< 0.5	-	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	-	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	-	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	-	-
Chloroethane	0.5	mg/kg	-	< 0.5	-	-
Chloroform	0.5	mg/kg	-	< 0.5	-	-
Chloromethane	0.5	mg/kg	-	< 0.5	-	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	-	-
Dibromomethane	0.5	mg/kg	-	< 0.5	-	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	-	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	-
Iodomethane	0.5	mg/kg	-	< 0.5	-	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	-	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	-	-
o-Xylene	0.1	mg/kg	-	< 0.1	-	-
Styrene	0.5	mg/kg	-	< 0.5	-	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Toluene	0.1	mg/kg	-	< 0.1	-	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	-	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	-	-

Client Sample ID			JBH32_0-0.1	JBH32_0.2-0.3	JBH32_0.4-0.5	JBH32_0.9-1.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053533	S25-Ma0053534	S25-Ma0053535	S25-Ma0053536
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Trichloroethene	0.5	mg/kg	-	< 0.5	-	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	-	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	-	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	-
Total MAH*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	-	-
4-Bromofluorobenzene (surr.)	1	%	-	96	-	-
Toluene-d8 (surr.)	1	%	-	102	-	-

Client Sample ID			JBH32_1.4-1.5	JBH32_1.9-2.0	JBH32_2.9-3.0	JBH32_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053537	S25-Ma0053538	S25-Ma0053539	S25-Ma0053540
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Sample Properties						
% Moisture	1	%	15	15	23	20
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	< 2
Cadmium	0.4	mg/kg	-	-	-	< 0.4
Chromium	5	mg/kg	-	-	-	< 5
Copper	5	mg/kg	-	-	-	< 5
Lead	5	mg/kg	-	-	-	16
Mercury	0.1	mg/kg	-	-	-	< 0.1
Nickel	5	mg/kg	-	-	-	< 5
Zinc	5	mg/kg	-	-	-	5.2
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	< 20	-
TRH C15-C28	50	mg/kg	-	< 50	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	< 50	< 50	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	< 50	< 50	-
TRH >C16-C34	100	mg/kg	-	< 100	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	INT	INT	-

Client Sample ID			JBH32_1.4-1.5	JBH32_1.9-2.0	JBH32_2.9-3.0	JBH32_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053537	S25-Ma0053538	S25-Ma0053539	S25-Ma0053540
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	< 0.5	< 0.5	-
% Clay	2.5	%	-	-	12	-
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	-	17	-
pH (1:5 Aqueous extract at 25 °C as rec.)	0.1	pH Units	-	-	5.5	-
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	-	-	2.2	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2-Trichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dibromoethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.3-Trichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.2.4-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3-Dichloropropane	0.5	mg/kg	-	< 0.5	< 0.5	-
1.3.5-Trimethylbenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
1.4-Dichlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Butanone (MEK)	0.5	mg/kg	-	< 0.5	< 0.5	-
2-Propanone (Acetone)	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Chlorotoluene	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	< 0.5	< 0.5	-
Allyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Bromobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromodichloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromoform	0.5	mg/kg	-	< 0.5	< 0.5	-
Bromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon disulfide	0.5	mg/kg	-	< 0.5	< 0.5	-
Carbon Tetrachloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Chlorobenzene	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloroform	0.5	mg/kg	-	< 0.5	< 0.5	-
Chloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
cis-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromochloromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dibromomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Dichlorodifluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Iodomethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Isopropyl benzene (Cumene)	0.5	mg/kg	-	< 0.5	< 0.5	-

Client Sample ID			JBH32_1.4-1.5	JBH32_1.9-2.0	JBH32_2.9-3.0	JBH32_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053537	S25-Ma0053538	S25-Ma0053539	S25-Ma0053540
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
Methylene Chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Styrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Tetrachloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
trans-1.2-Dichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
trans-1.3-Dichloropropene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichloroethene	0.5	mg/kg	-	< 0.5	< 0.5	-
Trichlorofluoromethane	0.5	mg/kg	-	< 0.5	< 0.5	-
Vinyl chloride	0.5	mg/kg	-	< 0.5	< 0.5	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
Total MAH*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	< 0.5	< 0.5	-
4-Bromofluorobenzene (surr.)	1	%	-	INT	INT	-
Toluene-d8 (surr.)	1	%	-	INT	INT	-
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	4.4	4.3	4.5	4.4
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	79	66	46	82
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.13	0.11	0.070	0.13
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	4.5	4.6	4.7	5.0
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	0.12	0.09	0.06	0.11
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	72	57	35	70
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	< 2	< 2	< 2	< 2
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	< 0.02	< 0.02	< 0.02	< 0.02
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	0.020	0.020	0.010	0.010
Peroxide Extractable Sulfur	0.005	% S	0.020	0.030	0.020	0.010
HCl Extractable Sulfur	0.005	% S	0.020	0.030	0.020	0.010
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	0.005	0.007	0.006	< 0.005
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	3.3	4.6	4.0	< 2
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	0.006	0.011	0.005	< 0.005
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	3.5	7.0	3.4	< 2
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0	2.0	2.0
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	0.040	0.020	0.020	0.010
Calcium - Peroxide	0.005	% Ca	0.040	0.020	0.030	0.010
Calcium - Acid Reacted	0.005	% Ca	< 0.005	< 0.005	< 0.005	< 0.005
Calcium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	< 0.005	< 0.005	< 0.005
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	< 0.005	< 0.005	< 0.005

Client Sample ID			JBH32_1.4-1.5	JBH32_1.9-2.0	JBH32_2.9-3.0	JBH32_4.9-5.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053537	S25-Ma0053538	S25-Ma0053539	S25-Ma0053540
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	0.010	0.010	0.010	0.010
Magnesium - Peroxide	0.005	% Mg	0.010	0.010	0.020	0.020
Magnesium - Acid Reacted	0.005	% Mg	< 0.005	< 0.005	< 0.005	< 0.005
Magnesium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	< 0.005	< 0.005	< 0.005
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	< 0.005	< 0.005	< 0.005
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	N/A	N/A	N/A	N/A
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	N/A	N/A	N/A	N/A
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	n/a	n/a	n/a	n/a
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	1.5	1.5	1.5	1.5
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	86	78	54	84
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	0.14	0.12	0.09	0.13
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	6.0	6.0	4.0	6.0
Extraneous Material						
<2mm Fraction	0.005	g	29	34	17	29
>2mm Fraction	0.005	g	< 0.005	< 0.005	< 0.005	< 0.005
Analysed Material	0.1	%	100	100	100	100
Extraneous Material	0.1	%	< 0.1	< 0.1	< 0.1	< 0.1

Client Sample ID			JBH32_5.9-6.0	JBH32_7.9-8.0	20250318QC_01	20250320QC_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053541	S25-Ma0053542	S25-Ma0053543	S25-Ma0053544
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	-	1.6	1.6
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	-	1.9	1.9
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	-	2.2	2.1
Acenaphthene	0.5	mg/kg	-	-	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	-	-	< 0.5	< 0.5
Anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	-	1.5	0.8
Benzo(a)pyrene	0.5	mg/kg	-	-	1.3	1.2
Benzo(b&j)fluoranthene[N07]	0.5	mg/kg	-	-	< 0.5	1.0
Benzo(g.h.i)perylene	0.5	mg/kg	-	-	< 0.5	1.1
Benzo(k)fluoranthene	0.5	mg/kg	-	-	1.0	1.3
Chrysene	0.5	mg/kg	-	-	1.3	2.7
Dibenz(a.h)anthracene	0.5	mg/kg	-	-	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	-	-	0.9	3.6
Fluorene	0.5	mg/kg	-	-	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	-	-	< 0.5	1.0
Naphthalene	0.5	mg/kg	-	-	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	-	-	0.7	1.9
Pyrene	0.5	mg/kg	-	-	1.2	3.7

Client Sample ID			JBH32_5.9-6.0	JBH32_7.9-8.0	20250318QC_01	20250320QC_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053541	S25-Ma0053542	S25-Ma0053543	S25-Ma0053544
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Total PAH*	0.5	mg/kg	-	-	7.9	18
2-Fluorobiphenyl (surr.)	1	%	-	-	INT	79
p-Terphenyl-d14 (surr.)	1	%	-	-	INT	93
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	-	< 0.1	< 0.1
4.4'-DDD	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDE	0.05	mg/kg	-	-	< 0.05	< 0.05
4.4'-DDT	0.05	mg/kg	-	-	< 0.05	< 0.05
a-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Aldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
b-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
d-HCH	0.05	mg/kg	-	-	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	-	-	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	-	-	< 0.05	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	< 0.05
Methoxychlor	0.05	mg/kg	-	-	< 0.05	< 0.05
Toxaphene	0.5	mg/kg	-	-	< 0.5	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	INT	101
Tetrachloro-m-xylene (surr.)	1	%	-	-	INT	82
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	< 0.1
Total PCB*	0.1	mg/kg	-	-	< 0.1	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	INT	101
Tetrachloro-m-xylene (surr.)	1	%	-	-	INT	82
Sample Properties						
% Moisture	1	%	14	14	7.9	10

Client Sample ID			JBH32_5.9-6.0	JBH32_7.9-8.0	20250318QC_01	20250320QC_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053541	S25-Ma0053542	S25-Ma0053543	S25-Ma0053544
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoropentanoic acid (PFPeA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorohexanoic acid (PFHxA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroheptanoic acid (PFHpA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorooctanoic acid (PFOA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorononanoic acid (PFNA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorodecanoic acid (PFDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroundecanoic acid (PFUnDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorododecanoic acid (PFDoDA)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorotridecanoic acid (PFTrDA)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorotetradecanoic acid (PFTeDA)[N11]	5	ug/kg	-	-	< 5	< 5
13C4-PFBA (surr.)	1	%	-	-	105	95
13C5-PFPeA (surr.)	1	%	-	-	125	97
13C5-PFHxA (surr.)	1	%	-	-	145	111
13C4-PFHpA (surr.)	1	%	-	-	130	109
13C8-PFOA (surr.)	1	%	-	-	118	85
13C5-PFNA (surr.)	1	%	-	-	111	101
13C6-PFDA (surr.)	1	%	-	-	105	83
13C2-PFUnDA (surr.)	1	%	-	-	92	99
13C2-PFDoDA (surr.)	1	%	-	-	81	81
13C2-PFTeDA (surr.)	1	%	-	-	97	84
Perfluoroalkyl sulfonamido substances						
Perfluorooctane sulfonamide (FOSA)[N11]	5	ug/kg	-	-	< 5	< 5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	5	ug/kg	-	-	< 5	< 5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	5	ug/kg	-	-	< 5	< 5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	5	ug/kg	-	-	< 5	< 5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	5	ug/kg	-	-	< 5	< 5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	10	ug/kg	-	-	< 10	< 10
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	10	ug/kg	-	-	< 10	< 10
13C8-FOSA (surr.)	1	%	-	-	107	108
D3-N-MeFOSA (surr.)	1	%	-	-	142	140
D5-N-EtFOSA (surr.)	1	%	-	-	103	103
D7-N-MeFOSE (surr.)	1	%	-	-	91	94
D9-N-EtFOSE (surr.)	1	%	-	-	91	91
D5-N-EtFOSAA (surr.)	1	%	-	-	84	85
D3-N-MeFOSAA (surr.)	1	%	-	-	92	71
Perfluoroalkyl sulfonic acids (PFSAs)						
Perfluorobutanesulfonic acid (PFBS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluorononanesulfonic acid (PFNS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluoropropanesulfonic acid (PFPrS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluoropentanesulfonic acid (PFPeS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorohexanesulfonic acid (PFHxS)[N11]	5	ug/kg	-	-	< 5	< 5
Perfluoroheptanesulfonic acid (PFHpS)[N15]	5	ug/kg	-	-	< 5	< 5
Perfluorooctanesulfonic acid (PFOS)[N11]	5	ug/kg	-	-	[N09]< 5	[N09]< 5
Perfluorodecanesulfonic acid (PFDS)[N15]	5	ug/kg	-	-	< 5	< 5

Client Sample ID			JBH32_5.9-6.0	JBH32_7.9-8.0	20250318QC_01	20250320QC_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053541	S25-Ma0053542	S25-Ma0053543	S25-Ma0053544
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)						
13C3-PFBS (surr.)	1	%	-	-	131	111
18O2-PFHxS (surr.)	1	%	-	-	105	97
13C8-PFOS (surr.)	1	%	-	-	109	105
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	10	ug/kg	-	-	< 10	< 10
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	5	ug/kg	-	-	< 5	< 5
13C2-4:2 FTSA (surr.)	1	%	-	-	160	188
13C2-6:2 FTSA (surr.)	1	%	-	-	111	127
13C2-8:2 FTSA (surr.)	1	%	-	-	154	89
13C2-10:2 FTSA (surr.)	1	%	-	-	74	69
PFASs Summations						
Sum (PFHxS + PFOS)*	5	ug/kg	-	-	< 5	< 5
Sum of US EPA PFAS (PFOS + PFOA)*	5	ug/kg	-	-	< 5	< 5
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	5	ug/kg	-	-	< 5	< 5
Sum of WA DWER PFAS (n=10)*	10	ug/kg	-	-	< 10	< 10
Sum of PFASs (n=30)*	50	ug/kg	-	-	< 50	< 50
Heavy Metals						
Arsenic	2	mg/kg	-	-	5.9	17
Cadmium	0.4	mg/kg	-	-	0.5	0.8
Chromium	5	mg/kg	-	-	9.2	10
Copper	5	mg/kg	-	-	54	56
Lead	5	mg/kg	-	-	420	980
Mercury	0.1	mg/kg	-	-	0.6	0.3
Nickel	5	mg/kg	-	-	9.2	< 5
Zinc	5	mg/kg	-	-	400	460
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	-	< 20	< 20
TRH C10-C14	20	mg/kg	-	-	< 20	< 20
TRH C15-C28	50	mg/kg	-	-	77	94
TRH C29-C36	50	mg/kg	-	-	140	83
TRH C10-C36 (Total)	50	mg/kg	-	-	217	177
TRH C6-C10	20	mg/kg	-	-	< 20	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	-	-	< 20	< 20
TRH >C10-C16	50	mg/kg	-	-	< 50	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	-	-	< 50	< 50
TRH >C16-C34	100	mg/kg	-	-	180	180
TRH >C34-C40	100	mg/kg	-	-	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	-	180	180
BTEX						
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2

Client Sample ID			JBH32_5.9-6.0	JBH32_7.9-8.0	20250318QC_01	20250320QC_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053541	S25-Ma0053542	S25-Ma0053543	S25-Ma0053544
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
BTEX						
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	-	92	83
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.5	mg/kg	-	-	< 0.5	< 0.5
Fraction Organic Carbon*	0.01	% w/w	-	0.10	-	-
Volatile Organics						
1.1-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.1.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2-Trichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.1.2.2-Tetrachloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dibromoethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.3-Trichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.2.4-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3-Dichloropropane	0.5	mg/kg	-	-	< 0.5	< 0.5
1.3.5-Trimethylbenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
1.4-Dichlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Butanone (MEK)	0.5	mg/kg	-	-	< 0.5	< 0.5
2-Propanone (Acetone)	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Chlorotoluene	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Methyl-2-pentanone (MIBK)	0.5	mg/kg	-	-	< 0.5	< 0.5
Allyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Benzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Bromobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromodichloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromoform	0.5	mg/kg	-	-	< 0.5	< 0.5
Bromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon disulfide	0.5	mg/kg	-	-	< 0.5	< 0.5
Carbon Tetrachloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Chlorobenzene	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloroform	0.5	mg/kg	-	-	< 0.5	< 0.5
Chloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
cis-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromochloromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dibromomethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Dichlorodifluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Ethylbenzene	0.1	mg/kg	-	-	< 0.1	< 0.1
Iodomethane	0.5	mg/kg	-	-	< 0.5	< 0.5

Client Sample ID			JBH32_5.9-6.0	JBH32_7.9-8.0	20250318QC_01	20250320QC_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053541	S25-Ma0053542	S25-Ma0053543	S25-Ma0053544
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Isopropyl benzene (Cumene)	0.5	mg/kg	-	-	< 0.5	< 0.5
m&p-Xylenes	0.2	mg/kg	-	-	< 0.2	< 0.2
Methylene Chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
o-Xylene	0.1	mg/kg	-	-	< 0.1	< 0.1
Styrene	0.5	mg/kg	-	-	< 0.5	< 0.5
Tetrachloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Toluene	0.1	mg/kg	-	-	< 0.1	< 0.1
trans-1.2-Dichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
trans-1.3-Dichloropropene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichloroethene	0.5	mg/kg	-	-	< 0.5	< 0.5
Trichlorofluoromethane	0.5	mg/kg	-	-	< 0.5	< 0.5
Vinyl chloride	0.5	mg/kg	-	-	< 0.5	< 0.5
Xylenes - Total*	0.3	mg/kg	-	-	< 0.3	< 0.3
Total MAH*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
Vic EPA IWRG 621 Other CHC (Total)*	0.5	mg/kg	-	-	< 0.5	< 0.5
4-Bromofluorobenzene (surr.)	1	%	-	-	92	83
Toluene-d8 (surr.)	1	%	-	-	50	INT
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	4.5	5.2	-	-
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	61	15	-	-
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.10	0.020	-	-
Potential Acidity - Titratable Peroxide						
pH-OX	0.1	pH Units	5.0	6.0	-	-
Titratable Peroxide Acidity (s-TPA)	0.02	% pyrite S	0.08	< 0.02	-	-
Titratable Peroxide Acidity (a-TPA)	2	mol H+/t	52	< 2	-	-
Titratable Sulfidic Acidity (a-TSA)	2	mol H+/t	< 2	< 2	-	-
Titratable Sulfidic Acidity (s-TSA)	0.02	% pyrite S	< 0.02	< 0.02	-	-
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	0.010	< 0.005	-	-
Peroxide Extractable Sulfur	0.005	% S	0.020	< 0.005	-	-
HCl Extractable Sulfur	0.005	% S	0.020	N/A	-	-
Potential Acidity (SPOS)						
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	0.005	% S	< 0.005	< 0.005	-	-
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	2	mol H+/t	< 2	< 2	-	-
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	0.005	N/A	-	-
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	3.1	N/A	-	-
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0	-	-
Extractable Calcium						
Calcium - KCl Extractable	0.005	% Ca	0.010	0.030	-	-
Calcium - Peroxide	0.005	% Ca	0.010	0.030	-	-
Calcium - Acid Reacted	0.005	% Ca	< 0.005	0.005	-	-
Calcium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	< 0.005	-	-
Calcium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	2.7	-	-

Client Sample ID			JBH32_5.9-6.0	JBH32_7.9-8.0	20250318QC_01	20250320QC_02
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ma0053541	S25-Ma0053542	S25-Ma0053543	S25-Ma0053544
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 18, 2025	Mar 20, 2025
Test/Reference	LOR	Unit				
Extractable Magnesium						
Magnesium - KCl Extractable	0.005	% Mg	0.020	0.050	-	-
Magnesium - Peroxide	0.005	% Mg	0.020	0.060	-	-
Magnesium - Acid Reacted	0.005	% Mg	< 0.005	0.009	-	-
Magnesium - Acid Reacted (s-aCa)	0.005	% S	< 0.005	0.012	-	-
Magnesium - Acid Reacted (a-aCa)	0.005	mol H+/t	< 0.005	7.4	-	-
Acid Neutralising Capacity (ANCE)						
Acid Neutralising Capacity - (ANCE)	0.02	% CaCO3	N/A	N/A	-	-
Acid Neutralising Capacity - (s-ANCE)	0.02	% S	N/A	N/A	-	-
Acid Neutralising Capacity - (a-ANCE)	10	mol H+/t	n/a	n/a	-	-
Acid Neutralising Capacity (ANCbt)						
ANC Fineness Factor		factor	1.5	1.5	-	-
Net Acidity (Including ANC)						
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	10	mol H+/t	64	15	-	-
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	0.02	% S	0.10	0.02	-	-
SPOCAS - Liming rate - ASSMAC	1	kg CaCO3/t	5.0	1.0	-	-
Extraneous Material						
<2mm Fraction	0.005	g	34	31	-	-
>2mm Fraction	0.005	g	< 0.005	< 0.005	-	-
Analysed Material	0.1	%	100	100	-	-
Extraneous Material	0.1	%	< 0.1	< 0.1	-	-

Client Sample ID			JBH18_1.4-1.5
Sample Matrix			Soil
Eurofins Sample No.			S25-Ma0053548
Date Sampled			Mar 18, 2025
Test/Reference	LOR	Unit	
Sample Properties			
% Moisture	1	%	4.9
Total Recoverable Hydrocarbons			
TRH C6-C9	20	mg/kg	< 20
TRH C10-C14	20	mg/kg	< 20
TRH C15-C28	50	mg/kg	< 50
TRH C29-C36	50	mg/kg	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50
TRH C6-C10	20	mg/kg	< 20
TRH C6-C10 less BTEX (F1)[N04]	20	mg/kg	< 20
TRH >C10-C16	50	mg/kg	< 50
TRH >C10-C16 less Naphthalene (F2)*[N01]	50	mg/kg	< 50
TRH >C16-C34	100	mg/kg	< 100
TRH >C34-C40	100	mg/kg	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100
BTEX			
Benzene	0.1	mg/kg	< 0.1
Toluene	0.1	mg/kg	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2

Client Sample ID			JBH18_1.4-1.5
Sample Matrix			**Soil**
Eurofins Sample No.			**S25-Ma0053548**
Date Sampled			**Mar 18, 2025**
Test/Reference	LOR	Unit	
BTEX			
o-Xylene	0.1	mg/kg	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3
4-Bromofluorobenzene (surr.)	1	%	92
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene[N02]	0.5	mg/kg	< 0.5

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
JBS&G Suite 2			
Polycyclic Aromatic Hydrocarbons	Sydney	Apr 01, 2025	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Sydney	Apr 01, 2025	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Polychlorinated Biphenyls	Sydney	Apr 01, 2025	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Metals M8	Sydney	Apr 01, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Apr 01, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Apr 01, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Apr 01, 2025	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
% Moisture	Sydney	Mar 24, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
BTEX	Sydney	Apr 01, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
% Clay	Brisbane	Apr 04, 2025	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
pH (1:5 Aqueous extract at 25 °C as rec.)	Sydney	Mar 31, 2025	7 Days
- Method: LTM-GEN-7090 pH by ISE			
Fraction Organic Carbon	Melbourne	Apr 03, 2025	28 Days
- Method: LTM-INO-4060 Total Organic Carbon			
Volatile Organics	Sydney	Apr 01, 2025	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Sydney	Mar 31, 2025	7 Days
- Method: LTM-INO-4030 Conductivity			
Cation Exchange Capacity	Melbourne	Apr 03, 2025	28 Days
- Method: LTM-MET-3060 Cation Exchange Capacity by bases & Exchangeable Sodium Percentage			
SPOCAS Suite			
SPOCAS Suite	Brisbane	Apr 04, 2025	6 Week
- Method: LTM-GEN-7050			
Extraneous Material	Brisbane	Apr 04, 2025	6 Week
- Method: LTM-GEN-7050/7070			

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail	% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254			X										X					
Sydney Laboratory - NATA # 1261 Site # 18217		X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780	X										X							
External Laboratory																		

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID														
1	JBH02_0-0.1	Mar 19, 2025		Soil	S25-Ma0053448		X				X	X	X				X						X
2	JBH02_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053449		X				X			X			X						
3	JBH03_0-0.1	Mar 19, 2025		Soil	S25-Ma0053450		X				X	X	X	X			X		X				
4	JBH03_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053451		X				X						X						
5	JBH03_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053452	X				X							X	X					X
6	JBH04_0-0.1	Mar 20, 2025		Soil	S25-Ma0053453						X						X						
7	JBH04_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053454						X						X						
8	JBH04_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053455									X			X						
9	JBH04_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053456												X		X				
10	JBH05_0-0.1	Mar 19, 2025		Soil	S25-Ma0053457		X				X						X						
11	JBH05_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053458		X				X	X	X	X			X		X				
12	JBH05_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053459		X				X			X			X		X				

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
13	JBH05_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053460		X				X			X			X						
14	JBH05_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053461												X						X
15	JBH06_0-0.1	Mar 19, 2025		Soil	S25-Ma0053462		X				X	X	X	X			X						X
16	JBH06_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053463	X	X			X	X						X	X					
17	JBH06_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053464		X				X			X			X						
18	JBH06_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053465												X						X
19	JBH06_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053466									X			X						
20	JBH06_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053467										X		X		X				
21	JBH06_8.4-8.5	Mar 19, 2025		Soil	S25-Ma0053468			X							X		X		X				
22	JBH07_0-0.1	Mar 19, 2025		Soil	S25-Ma0053469		X				X			X			X						
23	JBH07_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053470									X			X						
24	JBH07_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053471												X						X
25	JBH07_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053472							X	X				X		X				
26	JBH07_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053473									X			X						
27	JBH09_0-0.1	Mar 19, 2025		Soil	S25-Ma0053474		X				X			X			X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
28	JBH09_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053475		X										X						X
29	JBH09_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053476		X				X			X			X						
30	JBH09_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053477									X			X		X				
31	JBH09_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053478							X	X				X						
32	JBH11_0-0.1	Mar 19, 2025		Soil	S25-Ma0053479						X			X			X						
33	JBH11_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053480												X						X
34	JBH12_0-0.1	Mar 19, 2025		Soil	S25-Ma0053481		X				X						X						
35	JBH12_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053482						X	X	X	X			X						
36	JBH12_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053483												X		X				
37	JBH12_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053484									X			X						
38	JBH12_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053485												X						X
39	JBH12_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053486											X	X						
40	JBH12_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053487											X	X						
41	JBH12_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053488			X								X	X						
42	JBH14_0-0.1	Mar 20, 2025		Soil	S25-Ma0053489		X				X	X	X	X			X						X

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Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
43	JBH14_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053490		X				X						X						
44	JBH14_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053491		X				X			X			X		X				
45	JBH14_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053492												X		X				
46	JBH14_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053493												X						X
47	JBH14_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053494											X	X						
48	JBH14_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053495			X								X	X						X
49	JBH14_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053496											X	X						
50	JBH14_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053497									X			X						
51	JBH14_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053498			X								X	X						
52	JBH15_0-0.1	Mar 20, 2025		Soil	S25-Ma0053499	X				X	X			X			X	X					X
53	JBH15_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053500						X			X			X						
54	JBH15_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053501							X	X				X						
55	JBH17_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053502										X		X		X				X
56	JBH17_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053503												X		X				
57	JBH17_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053504									X			X						

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

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Address: Level 8, 179 Elizabeth St
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Project Name: WATERLOO SOUTH
Project ID: 68063

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
58	JBH18_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053505							X	X	X	X		X		X				
59	JBH18_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053506												X		X				
60	JBH18_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053507												X						X
61	JBH20_0-0.1	Mar 18, 2025		Soil	S25-Ma0053508		X				X						X						
62	JBH20_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053509		X				X						X						
63	JBH20_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053510		X								X		X			X			X
64	JBH20_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053511									X			X						
65	JBH20_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053512												X		X				
66	JBH20_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053513				X														
67	JBH20_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053514											X	X						
68	JBH20_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053515									X		X	X						
69	JBH20_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053516											X	X						
70	JBH20_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053517			X								X	X						
71	JBH20_8.9-9.0	Mar 18, 2025		Soil	S25-Ma0053518			X								X	X						
72	JBH21_0-0.1	Mar 18, 2025		Soil	S25-Ma0053519						X						X						

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
73	JBH21_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053520							X	X	X			X						
74	JBH21_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053521												X		X				
75	JBH21_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053522											X	X						
76	JBH21_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053523											X	X						X
77	JBH21_8.2-8.3	Mar 18, 2025		Soil	S25-Ma0053524			X									X						
78	JBH25_0-0.1	Mar 18, 2025		Soil	S25-Ma0053525		X				X			X			X						X
79	JBH25_0.1-0.2	Mar 18, 2025		Soil	S25-Ma0053526						X	X	X				X						
80	JBH25_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053527									X			X						
81	JBH25_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053528												X		X				
82	JBH25_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053529												X		X				
83	JBH26_0-0.1	Mar 18, 2025		Soil	S25-Ma0053530						X						X						X
84	JBH26_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053531						X			X			X						
85	JBH26_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053532							X	X				X						
86	JBH32_0-0.1	Mar 20, 2025		Soil	S25-Ma0053533		X				X			X			X						
87	JBH32_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053534		X								X		X			X			X

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
88	JBH32_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053535						X						X						
89	JBH32_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053536												X		X				
90	JBH32_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053537											X	X						
91	JBH32_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053538										X	X	X		X				
92	JBH32_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053539	X				X					X	X	X	X	X				
93	JBH32_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053540									X		X	X						
94	JBH32_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053541											X	X						
95	JBH32_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053542			X								X	X						
96	20250318QC_01	Mar 18, 2025		Soil	S25-Ma0053543		X								X		X			X			X
97	20250320QC_02	Mar 20, 2025		Soil	S25-Ma0053544		X								X		X			X			X
98	TS	Mar 20, 2025		Water	S25-Ma0053545																	X	
99	TB	Mar 20, 2025		Water	S25-Ma0053546																X		
100	FB	Mar 20, 2025		Water	S25-Ma0053547																		X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
101	JBH18_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053548												X		X				
102	JBH02_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053549				X														
103	JBH02_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053550				X														
104	JBH02_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053551				X														
105	JBH02_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053552				X														
106	JBH03_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053553				X														
107	JBH03_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053554				X														
108	JBH03_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053555				X														
109	JBH04_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053556				X														
110	JBH04_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053557				X														
111	JBH05_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053558				X														
112	JBH06_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053559				X														
113	JBH06_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053560				X														
114	JBH06_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053561				X														
115	JBH06_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053562				X														

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
116	JBH06_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053563				X														
117	JBH06_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053564				X														
118	JBH07_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053565				X														
119	JBH09_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053566				X														
120	JBH11_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053567				X														
121	JBH11_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053568				X														
122	JBH11_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053569				X														
123	JBH11_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053570				X														
124	JBH12_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053571				X														
125	JBH12_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053572				X														
126	JBH12_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053573				X														
127	JBH12_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053574				X														
128	JBH14_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053575				X														
129	JBH14_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053576				X														
130	JBH15_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053577				X														

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Eurofins Environment Testing Australia Pty Ltd
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Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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WA 6106
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NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise	43 Detroit Drive	1277 Cameron Road
Penrose	Mount Wellington	Rolleston	Gate Pa
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
131	JBH15_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053578				X														
132	JBH15_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053579				X														
133	JBH17_0-0.1	Mar 18, 2025		Soil	S25-Ma0053580				X														
134	JBH17_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053581				X														
135	JBH17_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053582				X														
136	JBH18_0-0.1	Mar 18, 2025		Soil	S25-Ma0053583				X														
137	JBH20_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053584				X														
138	JBH20_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053585				X														
139	JBH21_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053586				X														
140	JBH21_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053587				X														
141	JBH21_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053588				X														
142	JBH21_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053589				X														
143	JBH21_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053590				X														
144	JBH21_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053591				X														
145	JBH21_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053592				X														

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
146	JBH25_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053593				X														
147	JBH25_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053594				X														
148	JBH26_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053595				X														
149	JBH26_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053596				X														
150	JBH26_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053597				X														
151	JBH32_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053598				X														
152	JBH32_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053599				X														
153	JBH18_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053600				X														
Test Counts						4	27	8	53	4	33	13	13	33	10	20	97	4	23	4	1	1	23

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ppm:** parts per million
µg/L: micrograms per litre	**ppb:** parts per billion	**%:** Percentage
org/100 mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	**Colour:** Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 5			5	Pass	
Method Blank							
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/kg	< 5			5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 5			5	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 5			5	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 5			5	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 5			5	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 5			5	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 5			5	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 5			5	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 5			5	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 5			5	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 5			5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 5			5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 5			5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 5			5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 5			5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 5			5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 10			10	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 10			10	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 5			5	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 5			5	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 5			5	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 5			5	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 5			5	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 5			5	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 5			5	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 5			5	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 10			10	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 5			5	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 5			5	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
1.1.1-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.1.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2-Trichloroethane	mg/kg	< 0.5			0.5	Pass	
1.1.2.2-Tetrachloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dibromoethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloroethane	mg/kg	< 0.5			0.5	Pass	
1.2-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.3-Trichloropropane	mg/kg	< 0.5			0.5	Pass	
1.2.4-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
1.3-Dichloropropane	mg/kg	< 0.5			0.5	Pass	
1.3.5-Trimethylbenzene	mg/kg	< 0.5			0.5	Pass	
1.4-Dichlorobenzene	mg/kg	< 0.5			0.5	Pass	
2-Butanone (MEK)	mg/kg	< 0.5			0.5	Pass	
2-Propanone (Acetone)	mg/kg	< 0.5			0.5	Pass	
4-Chlorotoluene	mg/kg	< 0.5			0.5	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.5			0.5	Pass	
Allyl chloride	mg/kg	< 0.5			0.5	Pass	
Bromobenzene	mg/kg	< 0.5			0.5	Pass	
Bromochloromethane	mg/kg	< 0.5			0.5	Pass	
Bromodichloromethane	mg/kg	< 0.5			0.5	Pass	
Bromoform	mg/kg	< 0.5			0.5	Pass	
Bromomethane	mg/kg	< 0.5			0.5	Pass	
Carbon disulfide	mg/kg	< 0.5			0.5	Pass	
Carbon Tetrachloride	mg/kg	< 0.5			0.5	Pass	
Chlorobenzene	mg/kg	< 0.5			0.5	Pass	
Chloroethane	mg/kg	< 0.5			0.5	Pass	
Chloroform	mg/kg	< 0.5			0.5	Pass	
Chloromethane	mg/kg	< 0.5			0.5	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Dibromochloromethane	mg/kg	< 0.5			0.5	Pass	
Dibromomethane	mg/kg	< 0.5			0.5	Pass	
Dichlorodifluoromethane	mg/kg	< 0.5			0.5	Pass	
Iodomethane	mg/kg	< 0.5			0.5	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.5			0.5	Pass	
Methylene Chloride	mg/kg	< 0.5			0.5	Pass	
Styrene	mg/kg	< 0.5			0.5	Pass	
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.5			0.5	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.5			0.5	Pass	
Trichloroethene	mg/kg	< 0.5			0.5	Pass	
Trichlorofluoromethane	mg/kg	< 0.5			0.5	Pass	
Vinyl chloride	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g.h.i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a.h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1.2.3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.5			0.5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	102			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	108			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	98			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	128			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	80			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	109			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	113			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	117			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	110			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	111			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	105			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	100			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	103			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	111			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	102			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	111			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	90			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	100			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	81			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	96			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	60			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	77			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	95			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	95			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	91			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorodecanesulfonic acid (PFDS)	%	97			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	92			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	93			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	100			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	95			50-150	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	104			70-130	Pass	
TRH C6-C10	%	101			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	94			70-130	Pass	
TRH >C10-C16	%	91			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	96			80-120	Pass	
Cadmium	%	96			80-120	Pass	
Chromium	%	99			80-120	Pass	
Copper	%	97			80-120	Pass	
Lead	%	95			80-120	Pass	
Mercury	%	96			80-120	Pass	
Nickel	%	97			80-120	Pass	
Zinc	%	98			80-120	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthylene	%	97			70-130	Pass	
Anthracene	%	100			70-130	Pass	
Benz(a)anthracene	%	93			70-130	Pass	
Benzo(a)pyrene	%	106			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Chrysene	%	117			70-130	Pass	
Dibenz(a.h)anthracene	%	82			70-130	Pass	
Fluoranthene	%	102			70-130	Pass	
Fluorene	%	106			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	86			70-130	Pass	
Naphthalene	%	97			70-130	Pass	
Phenanthrene	%	96			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	104			70-130	Pass	
4.4'-DDD	%	123			70-130	Pass	
4.4'-DDE	%	102			70-130	Pass	
4.4'-DDT	%	104			70-130	Pass	
a-HCH	%	105			70-130	Pass	
Aldrin	%	110			70-130	Pass	
b-HCH	%	95			70-130	Pass	
d-HCH	%	98			70-130	Pass	
Dieldrin	%	108			70-130	Pass	
Endosulfan I	%	106			70-130	Pass	
Endosulfan II	%	111			70-130	Pass	
Endosulfan sulphate	%	99			70-130	Pass	
Endrin	%	98			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin ketone	%	104			70-130	Pass	
g-HCH (Lindane)	%	106			70-130	Pass	
Heptachlor	%	104			70-130	Pass	
Heptachlor epoxide	%	108			70-130	Pass	
Hexachlorobenzene	%	105			70-130	Pass	
Methoxychlor	%	98			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	93			70-130	Pass	
Aroclor-1260	%	98			70-130	Pass	
LCS - % Recovery							
Actual Acidity (NLM-3.2)							
pH-KCL (NLM-3.1)	%	98			80-120	Pass	
Titratable Actual Acidity (NLM-3.2)	%	92			80-120	Pass	
LCS - % Recovery							
Extractable Sulfur							
HCl Extractable Sulfur	%	107			80-120	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	103			70-130	Pass	
Acenaphthylene	%	98			70-130	Pass	
Anthracene	%	111			70-130	Pass	
Benz(a)anthracene	%	91			70-130	Pass	
Benzo(a)pyrene	%	98			70-130	Pass	
Benzo(b&j)fluoranthene	%	84			70-130	Pass	
Benzo(g.h.i)perylene	%	84			70-130	Pass	
Benzo(k)fluoranthene	%	108			70-130	Pass	
Chrysene	%	100			70-130	Pass	
Dibenz(a.h)anthracene	%	98			70-130	Pass	
Fluoranthene	%	103			70-130	Pass	
Fluorene	%	101			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	96			70-130	Pass	
Naphthalene	%	96			70-130	Pass	
Phenanthrene	%	95			70-130	Pass	
Pyrene	%	103			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	103			70-130	Pass	
4.4'-DDD	%	102			70-130	Pass	
4.4'-DDE	%	108			70-130	Pass	
4.4'-DDT	%	103			70-130	Pass	
a-HCH	%	96			70-130	Pass	
Aldrin	%	101			70-130	Pass	
b-HCH	%	94			70-130	Pass	
d-HCH	%	97			70-130	Pass	
Dieldrin	%	105			70-130	Pass	
Endosulfan I	%	109			70-130	Pass	
Endosulfan II	%	102			70-130	Pass	
Endosulfan sulphate	%	100			70-130	Pass	
Endrin	%	110			70-130	Pass	
Endrin aldehyde	%	94			70-130	Pass	
Endrin ketone	%	116			70-130	Pass	
g-HCH (Lindane)	%	104			70-130	Pass	
Heptachlor	%	110			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor epoxide	%	106			70-130	Pass	
Hexachlorobenzene	%	104			70-130	Pass	
Methoxychlor	%	101			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	104			70-130	Pass	
Aroclor-1260	%	112			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	90			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	84			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	111			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	69			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	80			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	98			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	89			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	92			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	88			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	87			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	85			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	80			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	92			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	87			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	96			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	82			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	86			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	78			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	105			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	77			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	65			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	79			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	87			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	68			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	79			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	74			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	98			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	77			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	81			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	95			50-150	Pass	
LCS - % Recovery							
Actual Acidity (NLM-3.2)							
pH-KCL (NLM-3.1)	%	100			80-120	Pass	
Titratable Actual Acidity (NLM-3.2)	%	94			80-120	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	106			70-130	Pass	
Acenaphthylene	%	99			70-130	Pass	
Anthracene	%	104			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benz(a)anthracene	%	98			70-130	Pass	
Benzo(a)pyrene	%	101			70-130	Pass	
Benzo(b&j)fluoranthene	%	93			70-130	Pass	
Benzo(g.h.i)perylene	%	93			70-130	Pass	
Benzo(k)fluoranthene	%	104			70-130	Pass	
Chrysene	%	104			70-130	Pass	
Dibenz(a.h)anthracene	%	113			70-130	Pass	
Fluoranthene	%	117			70-130	Pass	
Fluorene	%	106			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	112			70-130	Pass	
Naphthalene	%	101			70-130	Pass	
Phenanthrene	%	104			70-130	Pass	
Pyrene	%	109			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	111			70-130	Pass	
4.4'-DDD	%	106			70-130	Pass	
4.4'-DDE	%	111			70-130	Pass	
4.4'-DDT	%	93			70-130	Pass	
a-HCH	%	108			70-130	Pass	
Aldrin	%	110			70-130	Pass	
b-HCH	%	99			70-130	Pass	
d-HCH	%	106			70-130	Pass	
Dieldrin	%	117			70-130	Pass	
Endosulfan I	%	106			70-130	Pass	
Endosulfan II	%	96			70-130	Pass	
Endosulfan sulphate	%	98			70-130	Pass	
Endrin	%	105			70-130	Pass	
Endrin aldehyde	%	88			70-130	Pass	
Endrin ketone	%	97			70-130	Pass	
g-HCH (Lindane)	%	101			70-130	Pass	
Heptachlor	%	117			70-130	Pass	
Heptachlor epoxide	%	111			70-130	Pass	
Hexachlorobenzene	%	111			70-130	Pass	
Methoxychlor	%	85			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	107			70-130	Pass	
Aroclor-1260	%	120			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	127			70-130	Pass	
Toluene	%	119			70-130	Pass	
Ethylbenzene	%	124			70-130	Pass	
m&p-Xylenes	%	127			70-130	Pass	
o-Xylene	%	127			70-130	Pass	
Xylenes - Total*	%	127			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	106			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	126			70-130	Pass	
1.1.1-Trichloroethane	%	108			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1.2-Dichlorobenzene	%	127			70-130	Pass	
1.2-Dichloroethane	%	113			70-130	Pass	
Trichloroethene	%	118			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	110			70-130	Pass	
Acenaphthylene	%	97			70-130	Pass	
Anthracene	%	101			70-130	Pass	
Benz(a)anthracene	%	98			70-130	Pass	
Benzo(a)pyrene	%	107			70-130	Pass	
Benzo(b&j)fluoranthene	%	96			70-130	Pass	
Benzo(g.h.i)perylene	%	93			70-130	Pass	
Benzo(k)fluoranthene	%	90			70-130	Pass	
Chrysene	%	105			70-130	Pass	
Dibenz(a.h)anthracene	%	99			70-130	Pass	
Fluoranthene	%	113			70-130	Pass	
Fluorene	%	110			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	98			70-130	Pass	
Naphthalene	%	100			70-130	Pass	
Phenanthrene	%	108			70-130	Pass	
Pyrene	%	99			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	102			70-130	Pass	
4.4'-DDD	%	103			70-130	Pass	
4.4'-DDE	%	110			70-130	Pass	
4.4'-DDT	%	73			70-130	Pass	
a-HCH	%	105			70-130	Pass	
Aldrin	%	97			70-130	Pass	
b-HCH	%	109			70-130	Pass	
d-HCH	%	112			70-130	Pass	
Dieldrin	%	102			70-130	Pass	
Endosulfan I	%	102			70-130	Pass	
Endosulfan II	%	90			70-130	Pass	
Endosulfan sulphate	%	89			70-130	Pass	
Endrin	%	93			70-130	Pass	
Endrin ketone	%	94			70-130	Pass	
g-HCH (Lindane)	%	105			70-130	Pass	
Heptachlor	%	102			70-130	Pass	
Heptachlor epoxide	%	97			70-130	Pass	
Hexachlorobenzene	%	110			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1016	%	105			70-130	Pass	
Aroclor-1260	%	103			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	99			80-120	Pass	
Cadmium	%	98			80-120	Pass	
Chromium	%	99			80-120	Pass	
Copper	%	98			80-120	Pass	
Lead	%	101			80-120	Pass	
Mercury	%	107			80-120	Pass	
Nickel	%	98			80-120	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc			%	99			80-120	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	100			80-120	Pass	
Cadmium			%	97			80-120	Pass	
Chromium			%	101			80-120	Pass	
Copper			%	100			80-120	Pass	
Lead			%	105			80-120	Pass	
Mercury			%	111			80-120	Pass	
Nickel			%	100			80-120	Pass	
Zinc			%	104			80-120	Pass	
LCS - % Recovery									
% Clay			%	89			70-130	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)			%	101			70-130	Pass	
LCS - % Recovery									
Total Recoverable Hydrocarbons									
TRH C10-C14			%	72			70-130	Pass	
TRH >C10-C16			%	70			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Heavy Metals				Result 1					
Zinc	S25-Ma0066392	NCP	%	109			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	S25-Ma0066384	NCP	%	81			70-130	Pass	
TRH C10-C14	S25-Ma0056844	NCP	%	116			70-130	Pass	
TRH C6-C10	S25-Ma0066384	NCP	%	80			70-130	Pass	
TRH >C10-C16	S25-Ma0056844	NCP	%	111			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	S25-Ma0066384	NCP	%	99			70-130	Pass	
Toluene	S25-Ma0066384	NCP	%	94			70-130	Pass	
Ethylbenzene	S25-Ma0066384	NCP	%	90			70-130	Pass	
m&p-Xylenes	S25-Ma0066384	NCP	%	84			70-130	Pass	
o-Xylene	S25-Ma0066384	NCP	%	83			70-130	Pass	
Xylenes - Total*	S25-Ma0066384	NCP	%	84			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	S25-Ma0066384	NCP	%	71			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-Ma0053454	CP	%	90			70-130	Pass	
Dibenz(a.h)anthracene	S25-Ma0053454	CP	%	71			70-130	Pass	
Naphthalene	S25-Ma0053454	CP	%	81			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-Ma0053482	CP	%	106			70-130	Pass	
Acenaphthylene	S25-Ma0053482	CP	%	92			70-130	Pass	
Anthracene	S25-Ma0053482	CP	%	105			70-130	Pass	
Benz(a)anthracene	S25-Ma0053482	CP	%	81			70-130	Pass	
Benzo(a)pyrene	S25-Ma0053482	CP	%	80			70-130	Pass	
Benzo(b&j)fluoranthene	S25-Ma0053482	CP	%	95			70-130	Pass	
Benzo(g.h.i)perylene	S25-Ma0053482	CP	%	98			70-130	Pass	
Benzo(k)fluoranthene	S25-Ma0053482	CP	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chrysene	S25-Ma0053482	CP	%	96			70-130	Pass	
Dibenz(a.h)anthracene	S25-Ma0053482	CP	%	87			70-130	Pass	
Fluoranthene	S25-Ma0053482	CP	%	84			70-130	Pass	
Fluorene	S25-Ma0053482	CP	%	100			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S25-Ma0053482	CP	%	85			70-130	Pass	
Naphthalene	S25-Ma0053482	CP	%	103			70-130	Pass	
Phenanthrene	S25-Ma0053482	CP	%	84			70-130	Pass	
Pyrene	S25-Ma0053482	CP	%	86			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S25-Ma0053482	CP	%	104			70-130	Pass	
4.4'-DDD	S25-Ma0053482	CP	%	106			70-130	Pass	
4.4'-DDE	S25-Ma0053482	CP	%	109			70-130	Pass	
4.4'-DDT	S25-Ma0053482	CP	%	81			70-130	Pass	
a-HCH	S25-Ma0053482	CP	%	101			70-130	Pass	
Aldrin	S25-Ma0053482	CP	%	100			70-130	Pass	
b-HCH	S25-Ma0053482	CP	%	105			70-130	Pass	
d-HCH	S25-Ma0053482	CP	%	117			70-130	Pass	
Dieldrin	S25-Ma0053482	CP	%	124			70-130	Pass	
Endosulfan I	S25-Ma0053482	CP	%	97			70-130	Pass	
Endosulfan II	S25-Ma0053482	CP	%	109			70-130	Pass	
Endosulfan sulphate	S25-Ma0053482	CP	%	98			70-130	Pass	
Endrin	S25-Ma0053482	CP	%	109			70-130	Pass	
Endrin aldehyde	S25-Ma0053482	CP	%	93			70-130	Pass	
Endrin ketone	S25-Ma0053482	CP	%	96			70-130	Pass	
g-HCH (Lindane)	S25-Ma0053482	CP	%	111			70-130	Pass	
Heptachlor	S25-Ma0053482	CP	%	92			70-130	Pass	
Heptachlor epoxide	S25-Ma0053482	CP	%	93			70-130	Pass	
Hexachlorobenzene	S25-Ma0053482	CP	%	112			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S25-Ma0053482	CP	%	112			70-130	Pass	
Aroclor-1260	S25-Ma0053482	CP	%	120			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Ma0053491	CP	%	101			75-125	Pass	
Cadmium	S25-Ma0053491	CP	%	96			75-125	Pass	
Chromium	S25-Ma0053491	CP	%	101			75-125	Pass	
Copper	S25-Ma0053491	CP	%	114			75-125	Pass	
Lead	S25-Ma0053491	CP	%	92			75-125	Pass	
Mercury	S25-Ma0053491	CP	%	91			75-125	Pass	
Nickel	S25-Ma0053491	CP	%	97			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-Ma0053509	CP	%	105			70-130	Pass	
Acenaphthylene	S25-Ma0053509	CP	%	102			70-130	Pass	
Anthracene	S25-Ma0053509	CP	%	99			70-130	Pass	
Benz(a)anthracene	S25-Ma0053509	CP	%	88			70-130	Pass	
Benzo(a)pyrene	S25-Ma0053509	CP	%	89			70-130	Pass	
Benzo(b&j)fluoranthene	S25-Ma0053509	CP	%	98			70-130	Pass	
Benzo(g.h.i)perylene	S25-Ma0053509	CP	%	108			70-130	Pass	
Benzo(k)fluoranthene	S25-Ma0053509	CP	%	89			70-130	Pass	
Chrysene	S25-Ma0053509	CP	%	95			70-130	Pass	
Dibenz(a.h)anthracene	S25-Ma0053509	CP	%	94			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluoranthene	S25-Ma0053509	CP	%	100			70-130	Pass	
Fluorene	S25-Ma0053509	CP	%	97			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S25-Ma0053509	CP	%	101			70-130	Pass	
Naphthalene	S25-Ma0053509	CP	%	100			70-130	Pass	
Phenanthrene	S25-Ma0053509	CP	%	112			70-130	Pass	
Pyrene	S25-Ma0053509	CP	%	91			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Ma0053534	CP	%	105			75-125	Pass	
Cadmium	S25-Ma0053534	CP	%	104			75-125	Pass	
Chromium	S25-Ma0053534	CP	%	104			75-125	Pass	
Copper	S25-Ma0053534	CP	%	110			75-125	Pass	
Mercury	S25-Ma0053534	CP	%	122			75-125	Pass	
Nickel	S25-Ma0053534	CP	%	100			75-125	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S25-Ma0053544	CP	%	85			70-130	Pass	
Acenaphthylene	S25-Ma0053544	CP	%	74			70-130	Pass	
Anthracene	S25-Ma0053544	CP	%	119			70-130	Pass	
Benzo(b&j)fluoranthene	S25-Ma0053544	CP	%	74			70-130	Pass	
Benzo(k)fluoranthene	S25-Ma0053544	CP	%	111			70-130	Pass	
Fluoranthene	S25-Ma0053544	CP	%	72			70-130	Pass	
Fluorene	S25-Ma0053544	CP	%	86			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S25-Ma0053544	CP	%	71			70-130	Pass	
Naphthalene	S25-Ma0053544	CP	%	81			70-130	Pass	
Pyrene	S25-Ma0053544	CP	%	80			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S25-Ma0053544	CP	%	76			70-130	Pass	
4.4'-DDE	S25-Ma0053544	CP	%	75			70-130	Pass	
a-HCH	S25-Ma0053544	CP	%	73			70-130	Pass	
Aldrin	S25-Ma0053544	CP	%	80			70-130	Pass	
Dieldrin	S25-Ma0053544	CP	%	75			70-130	Pass	
Endosulfan I	S25-Ma0053544	CP	%	71			70-130	Pass	
Endosulfan II	S25-Ma0053544	CP	%	77			70-130	Pass	
Endosulfan sulphate	S25-Ma0053544	CP	%	73			70-130	Pass	
Endrin	S25-Ma0053544	CP	%	74			70-130	Pass	
Endrin aldehyde	S25-Ma0053544	CP	%	79			70-130	Pass	
Endrin ketone	S25-Ma0053544	CP	%	76			70-130	Pass	
g-HCH (Lindane)	S25-Ma0053544	CP	%	124			70-130	Pass	
Heptachlor epoxide	S25-Ma0053544	CP	%	77			70-130	Pass	
Hexachlorobenzene	S25-Ma0053544	CP	%	81			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	S25-Ma0053544	CP	%	70			70-130	Pass	
Aroclor-1260	S25-Ma0053544	CP	%	73			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Ma0053449	CP	mg/kg	< 2	2.1	13	30%	Pass	
Cadmium	S25-Ma0053449	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Ma0053449	CP	mg/kg	10	11	9.0	30%	Pass	
Copper	S25-Ma0053449	CP	mg/kg	25	27	7.0	30%	Pass	
Lead	S25-Ma0053449	CP	mg/kg	47	54	15	30%	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Mercury	S25-Ma0053449	CP	mg/kg	0.1	< 0.1	5.0	30%	Pass	
Nickel	S25-Ma0053449	CP	mg/kg	6.9	7.6	9.0	30%	Pass	
Zinc	S25-Ma0053449	CP	mg/kg	89	98	10	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	N25-Ma0064420	NCP	uS/cm	84	81	4.0	30%	Pass	
pH (1:5 Aqueous extract at 25 °C as rec.)	N25-Ma0064420	NCP	pH Units	9.9	9.8	pass	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	S25-Ma0053452	CP	meq/100g	1.3	1.4	6.0	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Ma0053453	CP	mg/kg	2.7	1.3	68	30%	Fail	Q15
Benzo(a)pyrene	S25-Ma0053453	CP	mg/kg	2.1	1.3	47	30%	Fail	Q15
Benzo(b&j)fluoranthene	S25-Ma0053453	CP	mg/kg	0.9	< 0.5	68	30%	Fail	Q15
Benzo(g.h.i)perylene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Ma0053453	CP	mg/kg	1.0	1.0	5.0	30%	Pass	
Chrysene	S25-Ma0053453	CP	mg/kg	2.2	1.1	64	30%	Fail	Q15
Dibenz(a.h)anthracene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Ma0053453	CP	mg/kg	1.4	1.0	36	30%	Fail	Q15
Fluorene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Ma0053453	CP	mg/kg	0.9	0.6	48	30%	Fail	Q15
Pyrene	S25-Ma0053453	CP	mg/kg	2.3	1.3	55	30%	Fail	Q15
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Ma0053453	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S25-Ma0053453	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Ma0053453	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Ma0053455	CP	mg/kg	2.0	2.1	2.0	30%	Pass	
Cadmium	S25-Ma0053455	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Ma0053455	CP	mg/kg	5.0	5.8	15	30%	Pass	
Copper	S25-Ma0053455	CP	mg/kg	20	27	26	30%	Pass	
Lead	S25-Ma0053455	CP	mg/kg	100	130	25	30%	Pass	
Mercury	S25-Ma0053455	CP	mg/kg	0.1	0.2	26	30%	Pass	
Nickel	S25-Ma0053455	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S25-Ma0053455	CP	mg/kg	93	120	23	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Ma0053459	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S25-Ma0053459	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Ma0053459	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Ma0053459	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Ma0053459	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Ma0053459	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Ma0053459	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Ma0053459	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S25-Ma0053459	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053463	CP	%	5.6	5.9	5.0	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053466	CP	%	4.2	1.8	79	30%	Fail	Q15
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Ma0053466	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Cadmium	S25-Ma0053466	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Ma0053466	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Copper	S25-Ma0053466	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Lead	S25-Ma0053466	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Mercury	S25-Ma0053466	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S25-Ma0053466	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S25-Ma0053466	CP	mg/kg	< 5	< 5	<1	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S25-Ma0053467	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Ma0053467	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	S25-Ma0053467	CP	mg/kg	< 50	50	66	30%	Fail	Q15
TRH >C10-C16	S25-Ma0053467	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S25-Ma0053467	CP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	S25-Ma0053467	CP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053476	CP	%	4.5	4.9	9.0	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chrysene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibenz(a.h)anthracene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluorene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Pyrene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Ma0053478	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S25-Ma0053478	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Ma0053478	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053486	CP	%	8.5	8.2	4.0	30%	Pass	
Duplicate									
Actual Acidity (NLM-3.2)				Result 1	Result 2	RPD			
pH-KCL (NLM-3.1)	S25-Ma0053486	CP	pH Units	4.5	4.5	<1	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ma0053486	CP	mol H+/t	40	35	14	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ma0053486	CP	% pyrite S	0.060	0.060	14	30%	Pass	
Duplicate									
Potential Acidity - Titratable Peroxide				Result 1	Result 2	RPD			
pH-OX	S25-Ma0053486	CP	pH Units	4.9	4.9	<1	20%	Pass	
Titratable Peroxide Acidity (s-TPA)	S25-Ma0053486	CP	% pyrite S	0.03	0.03	3.0	30%	Pass	
Titratable Peroxide Acidity (a-TPA)	S25-Ma0053486	CP	mol H+/t	20	21	3.0	20%	Pass	
Titratable Sulfidic Acidity (a-TSA)	S25-Ma0053486	CP	mol H+/t	< 2	< 2	<1	30%	Pass	
Titratable Sulfidic Acidity (s-TSA)	S25-Ma0053486	CP	% pyrite S	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
Extractable Sulfur				Result 1	Result 2	RPD			
Sulfur - KCl Extractable	S25-Ma0053486	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Peroxide Extractable Sulfur	S25-Ma0053486	CP	% S	0.010	0.010	8.0	20%	Pass	
HCl Extractable Sulfur	S25-Ma0053486	CP	% S	0.010	0.010	7.0	20%	Pass	
Duplicate									
Potential Acidity (SPOS)				Result 1	Result 2	RPD			
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	S25-Ma0053486	CP	% S	0.010	0.009	8.0	30%	Pass	
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	S25-Ma0053486	CP	mol H+/t	6.1	5.7	8.0	30%	Pass	
Duplicate									
Retained Acidity (S-NAS)				Result 1	Result 2	RPD			
Net Acid soluble sulfur (s-SNAS) NLM-4.1	S25-Ma0053486	CP	% S	0.013	0.014	7.0	30%	Pass	
Net Acid soluble sulfur (a-SNAS) NLM-4.1	S25-Ma0053486	CP	mol H+/t	8.1	8.6	7.0	30%	Pass	
Duplicate									
Extractable Calcium				Result 1	Result 2	RPD			
Calcium - KCl Extractable	S25-Ma0053486	CP	% Ca	0.020	0.020	1.0	30%	Pass	
Calcium - Peroxide	S25-Ma0053486	CP	% Ca	0.030	0.030	5.0	20%	Pass	
Calcium - Acid Reacted	S25-Ma0053486	CP	% Ca	0.012	0.011	9.0	30%	Pass	
Calcium - Acid Reacted (s-aCa)	S25-Ma0053486	CP	% S	0.010	0.009	9.0	30%	Pass	
Calcium - Acid Reacted (a-aCa)	S25-Ma0053486	CP	mol H+/t	6.1	5.6	9.0	30%	Pass	
Duplicate									
Extractable Magnesium				Result 1	Result 2	RPD			
Magnesium - KCl Extractable	S25-Ma0053486	CP	% Mg	0.020	0.020	1.0	30%	Pass	
Magnesium - Peroxide	S25-Ma0053486	CP	% Mg	0.020	0.020	4.0	20%	Pass	
Magnesium - Acid Reacted	S25-Ma0053486	CP	% Mg	< 0.005	< 0.005	<1	30%	Pass	
Magnesium - Acid Reacted (s-aCa)	S25-Ma0053486	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Magnesium - Acid Reacted (a-aCa)	S25-Ma0053486	CP	mol H+/t	< 0.005	< 0.005	<1	30%	Pass	

Duplicate									
Acid Neutralising Capacity (ANCE)				Result 1	Result 2	RPD			
Acid Neutralising Capacity - (ANCE)	S25-Ma0053486	CP	% CaCO3	N/A	N/A	N/A	30%	Pass	
Acid Neutralising Capacity - (a-ANCE)	S25-Ma0053486	CP	mol H+/t	n/a	n/a	N/A	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCbt)				Result 1	Result 2	RPD			
ANC Fineness Factor	S25-Ma0053486	CP	factor	1.5	1.5	<1	30%	Pass	
Duplicate									
Net Acidity (Including ANC)				Result 1	Result 2	RPD			
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	S25-Ma0053486	CP	mol H+/t	54	49	10	30%	Pass	
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	S25-Ma0053486	CP	% S	0.09	0.08	10	30%	Pass	
SPOCAS - Liming rate - ASSMAC	S25-Ma0053486	CP	kg CaCO3/t	4.0	4.0	10	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Ma0053489	CP	mg/kg	2.1	< 2	31	30%	Fail	Q15
Cadmium	S25-Ma0053489	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	S25-Ma0053489	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Copper	S25-Ma0053489	CP	mg/kg	9.7	9.0	8.0	30%	Pass	
Lead	S25-Ma0053489	CP	mg/kg	46	39	17	30%	Pass	
Mercury	S25-Ma0053489	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	S25-Ma0053489	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Zinc	S25-Ma0053489	CP	mg/kg	69	58	17	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053496	CP	%	25	20	23	30%	Pass	
Duplicate									
Actual Acidity (NLM-3.2)				Result 1	Result 2	RPD			
pH-KCL (NLM-3.1)	S25-Ma0053498	CP	pH Units	4.6	4.6	<1	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ma0053498	CP	mol H+/t	34	35	1.0	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ma0053498	CP	% pyrite S	0.060	0.060	1.0	30%	Pass	
Duplicate									
Potential Acidity - Titratable Peroxide				Result 1	Result 2	RPD			
pH-OX	S25-Ma0053498	CP	pH Units	4.5	4.6	1.0	20%	Pass	
Titratable Peroxide Acidity (s-TPA)	S25-Ma0053498	CP	% pyrite S	0.06	0.06	<1	30%	Pass	
Titratable Peroxide Acidity (a-TPA)	S25-Ma0053498	CP	mol H+/t	35	35	<1	20%	Pass	
Titratable Sulfidic Acidity (a-TSA)	S25-Ma0053498	CP	mol H+/t	< 2	< 2	<1	30%	Pass	
Titratable Sulfidic Acidity (s-TSA)	S25-Ma0053498	CP	% pyrite S	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
Extractable Sulfur				Result 1	Result 2	RPD			
Sulfur - KCl Extractable	S25-Ma0053498	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Peroxide Extractable Sulfur	S25-Ma0053498	CP	% S	0.010	0.010	14	20%	Pass	
HCl Extractable Sulfur	S25-Ma0053498	CP	% S	N/A	N/A	N/A	20%	Pass	
Duplicate									
Potential Acidity (SPOS)				Result 1	Result 2	RPD			
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	S25-Ma0053498	CP	% S	0.008	0.007	14	30%	Pass	
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	S25-Ma0053498	CP	mol H+/t	5.1	4.4	14	30%	Pass	
Duplicate									
Retained Acidity (S-NAS)				Result 1	Result 2	RPD			
Net Acid soluble sulfur (s-SNAS) NLM-4.1	S25-Ma0053498	CP	% S	N/A	N/A	N/A	30%	Pass	
Net Acid soluble sulfur (a-SNAS) NLM-4.1	S25-Ma0053498	CP	mol H+/t	N/A	N/A	N/A	30%	Pass	

Duplicate									
Extractable Calcium				Result 1	Result 2	RPD			
Calcium - KCl Extractable	S25-Ma0053498	CP	% Ca	0.020	0.020	1.0	30%	Pass	
Calcium - Peroxide	S25-Ma0053498	CP	% Ca	0.030	0.020	11	20%	Pass	
Calcium - Acid Reacted	S25-Ma0053498	CP	% Ca	< 0.005	< 0.005	<1	30%	Pass	
Calcium - Acid Reacted (s-aCa)	S25-Ma0053498	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Calcium - Acid Reacted (a-aCa)	S25-Ma0053498	CP	mol H+/t	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Extractable Magnesium				Result 1	Result 2	RPD			
Magnesium - KCl Extractable	S25-Ma0053498	CP	% Mg	0.030	0.030	<1	30%	Pass	
Magnesium - Peroxide	S25-Ma0053498	CP	% Mg	0.030	0.030	5.0	20%	Pass	
Magnesium - Acid Reacted	S25-Ma0053498	CP	% Mg	< 0.005	< 0.005	<1	30%	Pass	
Magnesium - Acid Reacted (s-aCa)	S25-Ma0053498	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Magnesium - Acid Reacted (a-aCa)	S25-Ma0053498	CP	mol H+/t	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCE)				Result 1	Result 2	RPD			
Acid Neutralising Capacity - (ANCE)	S25-Ma0053498	CP	% CaCO3	N/A	N/A	N/A	30%	Pass	
Acid Neutralising Capacity - (a-ANCE)	S25-Ma0053498	CP	mol H+/t	n/a	N/A	N/A	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCbt)				Result 1	Result 2	RPD			
ANC Fineness Factor	S25-Ma0053498	CP	factor	1.5	1.5	<1	30%	Pass	
Duplicate									
Net Acidity (Including ANC)				Result 1	Result 2	RPD			
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	S25-Ma0053498	CP	mol H+/t	39	39	1.0	30%	Pass	
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	S25-Ma0053498	CP	% S	0.06	0.06	1.0	30%	Pass	
SPOCAS - Liming rate - ASSMAC	S25-Ma0053498	CP	kg CaCO3/t	3.0	3.0	1.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Ma0053505	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C6-C10	S25-Ma0053505	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Ma0053505	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S25-Ma0053505	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S25-Ma0053505	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S25-Ma0053505	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S25-Ma0053505	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S25-Ma0053505	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1-Dichloroethene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1-Trichloroethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2-Trichloroethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dibromoethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloroethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2-Dichloropropane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.2.3-Trichloropropane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.2.4-Trimethylbenzene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3-Dichloropropane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.3.5-Trimethylbenzene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Butanone (MEK)	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
2-Propanone (Acetone)	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Chlorotoluene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Allyl chloride	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromobenzene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromochloromethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromodichloromethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromoform	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Bromomethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon disulfide	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Carbon Tetrachloride	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chlorobenzene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloroform	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chloromethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.2-Dichloroethene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
cis-1.3-Dichloropropene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromochloromethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dibromomethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Dichlorodifluoromethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Iodomethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Isopropyl benzene (Cumene)	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Methylene Chloride	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Styrene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Tetrachloroethene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.2-Dichloroethene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
trans-1.3-Dichloropropene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichloroethene	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Trichlorofluoromethane	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Vinyl chloride	S25-Ma0053505	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053506	CP	%	5.6	5.6	14	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Ma0053508	CP	mg/kg	0.6	0.7	16	30%	Pass	
Benzo(a)pyrene	S25-Ma0053508	CP	mg/kg	0.6	0.6	12	30%	Pass	
Benzo(b&j)fluoranthene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Ma0053508	CP	mg/kg	0.5	< 0.5	10	30%	Pass	
Benzo(k)fluoranthene	S25-Ma0053508	CP	mg/kg	0.6	0.6	1.0	30%	Pass	
Chrysene	S25-Ma0053508	CP	mg/kg	0.6	0.7	24	30%	Pass	
Dibenz(a.h)anthracene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Ma0053508	CP	mg/kg	1.2	0.9	32	30%	Fail	Q15
Fluorene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Indeno(1.2.3-cd)pyrene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Ma0053508	CP	mg/kg	0.8	0.7	11	30%	Pass	
Pyrene	S25-Ma0053508	CP	mg/kg	1.1	1.2	14	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Ma0053508	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S25-Ma0053508	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Ma0053508	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053516	CP	%	30	34	12	30%	Pass	
Duplicate									
Actual Acidity (NLM-3.2)				Result 1	Result 2	RPD			
pH-KCL (NLM-3.1)	S25-Ma0053518	CP	pH Units	4.5	4.5	<1	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ma0053518	CP	mol H+/t	56	55	3.0	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ma0053518	CP	% pyrite S	0.090	0.090	3.0	30%	Pass	
Duplicate									
Potential Acidity - Titratable Peroxide				Result 1	Result 2	RPD			
pH-OX	S25-Ma0053518	CP	pH Units	5.0	5.1	<1	20%	Pass	
Titratable Peroxide Acidity (s-TPA)	S25-Ma0053518	CP	% pyrite S	0.07	0.07	1.0	30%	Pass	
Titratable Peroxide Acidity (a-TPA)	S25-Ma0053518	CP	mol H+/t	42	42	<1	20%	Pass	
Titratable Sulfidic Acidity (a-TSA)	S25-Ma0053518	CP	mol H+/t	< 2	< 2	<1	30%	Pass	
Titratable Sulfidic Acidity (s-TSA)	S25-Ma0053518	CP	% pyrite S	< 0.02	< 0.02	<1	30%	Pass	

Duplicate									
Extractable Sulfur				Result 1	Result 2	RPD			
Sulfur - KCl Extractable	S25-Ma0053518	CP	% S	0.010	0.010	<1	30%	Pass	
Peroxide Extractable Sulfur	S25-Ma0053518	CP	% S	0.010	0.010	1.0	20%	Pass	
HCl Extractable Sulfur	S25-Ma0053518	CP	% S	N/A	N/A	N/A	20%	Pass	
Duplicate									
Potential Acidity (SPOS)				Result 1	Result 2	RPD			
Peroxide Oxidisable Sulfur (s-SPOS) (NLM 2.2)	S25-Ma0053518	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Peroxide Oxidisable Sulfur (a-SPOS) (NLM 2.2)	S25-Ma0053518	CP	mol H+/t	< 2	< 2	<1	30%	Pass	
Duplicate									
Retained Acidity (S-NAS)				Result 1	Result 2	RPD			
Net Acid soluble sulfur (s-SNAS) NLM-4.1	S25-Ma0053518	CP	% S	N/A	N/A	N/A	30%	Pass	
Net Acid soluble sulfur (a-SNAS) NLM-4.1	S25-Ma0053518	CP	mol H+/t	N/A	N/A	N/A	30%	Pass	
Duplicate									
Extractable Calcium				Result 1	Result 2	RPD			
Calcium - KCl Extractable	S25-Ma0053518	CP	% Ca	0.030	0.030	<1	30%	Pass	
Calcium - Peroxide	S25-Ma0053518	CP	% Ca	0.030	0.030	<1	20%	Pass	
Calcium - Acid Reacted	S25-Ma0053518	CP	% Ca	< 0.005	< 0.005	<1	30%	Pass	
Calcium - Acid Reacted (s-aCa)	S25-Ma0053518	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Calcium - Acid Reacted (a-aCa)	S25-Ma0053518	CP	mol H+/t	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Extractable Magnesium				Result 1	Result 2	RPD			
Magnesium - KCl Extractable	S25-Ma0053518	CP	% Mg	0.030	0.030	1.0	30%	Pass	
Magnesium - Peroxide	S25-Ma0053518	CP	% Mg	0.040	0.040	2.0	20%	Pass	
Magnesium - Acid Reacted	S25-Ma0053518	CP	% Mg	< 0.005	< 0.005	<1	30%	Pass	
Magnesium - Acid Reacted (s-aCa)	S25-Ma0053518	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Magnesium - Acid Reacted (a-aCa)	S25-Ma0053518	CP	mol H+/t	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCE)				Result 1	Result 2	RPD			
Acid Neutralising Capacity - (ANCE)	S25-Ma0053518	CP	% CaCO3	N/A	N/A	N/A	30%	Pass	
Acid Neutralising Capacity - (a-ANCE)	S25-Ma0053518	CP	mol H+/t	n/a	n/a	N/A	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCbt)				Result 1	Result 2	RPD			
ANC Fineness Factor	S25-Ma0053518	CP	factor	1.5	1.5	<1	30%	Pass	
Duplicate									
Net Acidity (Including ANC)				Result 1	Result 2	RPD			
SPOCAS - Net Acidity - ASSMAC (Acidity Units)	S25-Ma0053518	CP	mol H+/t	56	55	3.0	30%	Pass	
SPOCAS - Net Acidity - ASSMAC (Sulfur Units)	S25-Ma0053518	CP	% S	0.09	0.09	3.0	30%	Pass	
SPOCAS - Liming rate - ASSMAC	S25-Ma0053518	CP	kg CaCO3/t	4.0	4.0	3.0	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053526	CP	%	8.3	11	24	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ma0053536	CP	%	17	21	18	30%	Pass	
Duplicate									
Cation Exchange Capacity				Result 1	Result 2	RPD			
Cation Exchange Capacity	M25-Ma0056523	NCP	meq/100g	2.6	2.6	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	S25-Ma0053543	CP	mg/kg	1.5	< 0.5	110	30%	Fail	Q15
Benzo(a)pyrene	S25-Ma0053543	CP	mg/kg	1.3	1.0	30	30%	Pass	
Benzo(b&j)fluoranthene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(g.h.i)perylene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(k)fluoranthene	S25-Ma0053543	CP	mg/kg	1.0	< 0.5	200	30%	Fail	Q15
Chrysene	S25-Ma0053543	CP	mg/kg	1.3	0.8	46	30%	Fail	Q15
Dibenz(a.h)anthracene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Fluoranthene	S25-Ma0053543	CP	mg/kg	0.9	0.7	20	30%	Pass	
Fluorene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Naphthalene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Phenanthrene	S25-Ma0053543	CP	mg/kg	0.7	0.8	12	30%	Pass	
Pyrene	S25-Ma0053543	CP	mg/kg	1.2	1.1	11	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
4.4'-DDD	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDE	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4.4'-DDT	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
a-HCH	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Aldrin	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
b-HCH	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
d-HCH	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dieldrin	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan I	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan II	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endosulfan sulphate	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin aldehyde	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Endrin ketone	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
g-HCH (Lindane)	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Heptachlor epoxide	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Hexachlorobenzene	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methoxychlor	S25-Ma0053543	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toxaphene	S25-Ma0053543	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Duplicate									
Polychlorinated Biphenyls				Result 1	Result 2	RPD			
Aroclor-1016	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1221	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1232	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1242	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1248	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1254	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Aroclor-1260	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Total PCB*	S25-Ma0053543	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	

Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S25-Ma0053543	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	S25-Ma0053543	CP	mg/kg	77	96	21	30%	Pass	
TRH C29-C36	S25-Ma0053543	CP	mg/kg	140	140	2.0	30%	Pass	
TRH >C10-C16	S25-Ma0053543	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH >C16-C34	S25-Ma0053543	CP	mg/kg	180	190	7.0	30%	Pass	
TRH >C34-C40	S25-Ma0053543	CP	mg/kg	< 100	< 100	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
G01	The LORs have been raised due to matrix interference
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
N09	Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.
S02	Retained Acidity is Reported when the pHKCl is less than pH 4.5

Authorised by:

Andrew Black	Analytical Services Manager
Sayeed Abu	Senior Analyst-Asbestos
Mickael Ros	Senior Analyst-Metal
Ryan Phillips	Senior Analyst-Sample Properties
Roopesh Rangarajan	Senior Analyst-PFAS
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Mary Makarios	Senior Analyst-Inorganic
Roopesh Rangarajan	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-Inorganic
Ryan Phillips	Senior Analyst-Inorganic
Caitlin Breeze	Senior Analyst-Metal
Jonathon Angell	Senior Analyst-SPOCAS

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

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JBS & G Australia (NSW) P/L
Level 8, 179 Elizabeth St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Daniel Saeed**

Report **1200931-W**
Project name WATERLOO SOUTH
Project ID 68063
Received Date Mar 24, 2025

Client Sample ID			**TS**	**TB**	**FB**
Sample Matrix			**Water**	**Water**	**Water**
Eurofins Sample No.			**S25-Ma0053545**	**S25-Ma0053546**	**S25-Ma0053547**
Date Sampled			**Mar 20, 2025**	**Mar 20, 2025**	**Mar 20, 2025**
Test/Reference	LOR	Unit			
TRH C6-C10	1	%	71	-	-
Total Recoverable Hydrocarbons					
Naphthalene	1	%	100	-	-
TRH C6-C9	1	%	71	-	-
BTEX					
Benzene	1	%	99	-	-
Ethylbenzene	1	%	98	-	-
m&p-Xylenes	1	%	100	-	-
o-Xylene	1	%	96	-	-
Toluene	1	%	97	-	-
Xylenes - Total	1	%	98	-	-
4-Bromofluorobenzene (surr.)	1	%	99	-	-
Total Recoverable Hydrocarbons					
TRH C6-C9	0.02	mg/L	-	< 0.02	-
TRH C6-C10	0.02	mg/L	-	< 0.02	-
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	-	< 0.02	-
BTEX					
Benzene	0.001	mg/L	-	< 0.001	-
Toluene	0.001	mg/L	-	< 0.001	-
Ethylbenzene	0.001	mg/L	-	< 0.001	-
m&p-Xylenes	0.002	mg/L	-	< 0.002	-
o-Xylene	0.001	mg/L	-	< 0.001	-
Xylenes - Total*	0.003	mg/L	-	< 0.003	-
4-Bromofluorobenzene (surr.)	1	%	-	81	-
BTEX and Naphthalene					
Naphthalene[N02]	0.01	mg/L	-	< 0.01	-
Perfluoroalkyl carboxylic acids (PFCAs)					
Perfluorobutanoic acid (PFBA)[N11]	0.05	ug/L	-	-	< 0.05
Perfluoropentanoic acid (PFPeA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorohexanoic acid (PFHxA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluoroheptanoic acid (PFHpA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorooctanoic acid (PFOA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorononanoic acid (PFNA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorodecanoic acid (PFDA)[N11]	0.01	ug/L	-	-	< 0.01

Client Sample ID			TS	TB	FB
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S25-Ma0053545	S25-Ma0053546	S25-Ma0053547
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit			
Perfluoroalkyl carboxylic acids (PFCAs)					
Perfluoroundecanoic acid (PFUnDA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorododecanoic acid (PFDoDA)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorotridecanoic acid (PFTrDA)[N15]	0.01	ug/L	-	-	< 0.01
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.01	ug/L	-	-	< 0.01
13C4-PFBA (surr.)	1	%	-	-	105
13C5-PFPeA (surr.)	1	%	-	-	124
13C5-PFHxA (surr.)	1	%	-	-	125
13C4-PFHpA (surr.)	1	%	-	-	121
13C8-PFOA (surr.)	1	%	-	-	110
13C5-PFNA (surr.)	1	%	-	-	121
13C6-PFDA (surr.)	1	%	-	-	103
13C2-PFUnDA (surr.)	1	%	-	-	92
13C2-PFDoDA (surr.)	1	%	-	-	84
13C2-PFTeDA (surr.)	1	%	-	-	89
Perfluoroalkyl sulfonamido substances					
Perfluorooctane sulfonamide (FOSA)[N11]	0.05	ug/L	-	-	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.05	ug/L	-	-	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.05	ug/L	-	-	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.05	ug/L	-	-	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.05	ug/L	-	-	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.05	ug/L	-	-	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.05	ug/L	-	-	< 0.05
13C8-FOSA (surr.)	1	%	-	-	94
D3-N-MeFOSA (surr.)	1	%	-	-	128
D5-N-EtFOSA (surr.)	1	%	-	-	82
D7-N-MeFOSE (surr.)	1	%	-	-	82
D9-N-EtFOSE (surr.)	1	%	-	-	74
D5-N-EtFOSAA (surr.)	1	%	-	-	38
D3-N-MeFOSAA (surr.)	1	%	-	-	46
Perfluoroalkyl sulfonic acids (PFSAs)					
Perfluorobutanesulfonic acid (PFBS)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorononanesulfonic acid (PFNS)[N15]	0.01	ug/L	-	-	< 0.01
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.01	ug/L	-	-	< 0.01
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.01	ug/L	-	-	< 0.01
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.01	ug/L	-	-	< 0.01
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.01	ug/L	-	-	< 0.01
Perfluorooctanesulfonic acid (PFOS)[N11]	0.01	ug/L	-	-	< 0.01
Perfluorodecanesulfonic acid (PFDS)[N15]	0.01	ug/L	-	-	< 0.01
13C3-PFBS (surr.)	1	%	-	-	125
18O2-PFHxS (surr.)	1	%	-	-	122
13C8-PFOS (surr.)	1	%	-	-	113

Client Sample ID			TS	TB	FB
Sample Matrix			Water	Water	Water
Eurofins Sample No.			S25-Ma0053545	S25-Ma0053546	S25-Ma0053547
Date Sampled			Mar 20, 2025	Mar 20, 2025	Mar 20, 2025
Test/Reference	LOR	Unit			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.01	ug/L	-	-	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.05	ug/L	-	-	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.01	ug/L	-	-	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.01	ug/L	-	-	< 0.01
13C2-4:2 FTSA (surr.)	1	%	-	-	112
13C2-6:2 FTSA (surr.)	1	%	-	-	104
13C2-8:2 FTSA (surr.)	1	%	-	-	81
13C2-10:2 FTSA (surr.)	1	%	-	-	76
PFASs Summations					
Sum (PFHxS + PFOS)*	0.01	ug/L	-	-	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	-	-	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	-	-	< 0.01
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	-	-	< 0.05
Sum of PFASs (n=30)*	0.1	ug/L	-	-	< 0.1

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Mar 27, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Sydney	Mar 27, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Mar 27, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Sydney	Apr 08, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
External Laboratory																							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																		
1	JBH02_0-0.1	Mar 19, 2025		Soil	S25-Ma0053448		X				X	X	X				X						X
2	JBH02_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053449		X				X			X			X						
3	JBH03_0-0.1	Mar 19, 2025		Soil	S25-Ma0053450		X				X	X	X	X			X		X				
4	JBH03_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053451		X				X						X						
5	JBH03_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053452	X				X							X	X					X
6	JBH04_0-0.1	Mar 20, 2025		Soil	S25-Ma0053453						X						X						
7	JBH04_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053454						X						X						
8	JBH04_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053455									X			X						
9	JBH04_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053456												X		X				
10	JBH05_0-0.1	Mar 19, 2025		Soil	S25-Ma0053457		X				X						X						
11	JBH05_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053458		X				X	X	X	X			X		X				
12	JBH05_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053459		X				X			X			X		X				

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

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Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
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Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
13	JBH05_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053460		X				X			X			X						
14	JBH05_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053461												X						X
15	JBH06_0-0.1	Mar 19, 2025		Soil	S25-Ma0053462		X				X	X	X	X			X						X
16	JBH06_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053463	X	X			X	X						X	X					
17	JBH06_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053464		X				X			X			X						
18	JBH06_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053465												X						X
19	JBH06_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053466									X			X						
20	JBH06_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053467										X		X		X				
21	JBH06_8.4-8.5	Mar 19, 2025		Soil	S25-Ma0053468			X							X		X		X				
22	JBH07_0-0.1	Mar 19, 2025		Soil	S25-Ma0053469		X				X			X			X						
23	JBH07_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053470									X			X						
24	JBH07_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053471												X						X
25	JBH07_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053472							X	X				X		X				
26	JBH07_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053473									X			X						
27	JBH09_0-0.1	Mar 19, 2025		Soil	S25-Ma0053474		X				X			X			X						

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						% Clay	Asbestos - WA guidelines	Fraction Organic Carbon*	HOLD*	pH (1:5 Aqueous extract at 25 °C as rec.)	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Polychlorinated Biphenyls	Metals M8	Volatile Organics	SPOCAS Suite	Moisture Set	Cation Exchange Capacity	Eurofins Suite B1	JBS&G Suite 2	BTEXN and Volatile TRH	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs) - Trace
Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
28	JBH09_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053475		X										X						X
29	JBH09_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053476		X				X			X			X						
30	JBH09_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053477									X			X		X				
31	JBH09_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053478							X	X				X						
32	JBH11_0-0.1	Mar 19, 2025		Soil	S25-Ma0053479						X			X			X						
33	JBH11_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053480												X						X
34	JBH12_0-0.1	Mar 19, 2025		Soil	S25-Ma0053481		X				X						X						
35	JBH12_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053482						X	X	X	X			X						
36	JBH12_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053483												X		X				
37	JBH12_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053484									X			X						
38	JBH12_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053485												X						X
39	JBH12_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053486											X	X						
40	JBH12_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053487											X	X						
41	JBH12_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053488			X								X	X						
42	JBH14_0-0.1	Mar 20, 2025		Soil	S25-Ma0053489		X				X	X	X	X			X						X

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Received: Mar 24, 2025 6:40 PM
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Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
43	JBH14_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053490		X				X						X						
44	JBH14_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053491		X				X			X			X		X				
45	JBH14_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053492												X		X				
46	JBH14_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053493												X						X
47	JBH14_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053494											X	X						
48	JBH14_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053495			X								X	X						X
49	JBH14_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053496											X	X						
50	JBH14_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053497									X			X						
51	JBH14_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053498			X								X	X						
52	JBH15_0-0.1	Mar 20, 2025		Soil	S25-Ma0053499	X				X	X			X			X	X						X
53	JBH15_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053500						X			X			X						
54	JBH15_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053501							X	X				X						
55	JBH17_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053502										X		X		X				X
56	JBH17_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053503												X		X				
57	JBH17_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053504									X			X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
58	JBH18_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053505							X	X	X	X		X		X				
59	JBH18_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053506												X		X				
60	JBH18_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053507												X						X
61	JBH20_0-0.1	Mar 18, 2025		Soil	S25-Ma0053508		X				X						X						
62	JBH20_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053509		X				X						X						
63	JBH20_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053510		X								X		X			X			X
64	JBH20_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053511									X			X						
65	JBH20_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053512												X		X				
66	JBH20_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053513				X														
67	JBH20_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053514											X	X						
68	JBH20_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053515									X		X	X						
69	JBH20_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053516											X	X						
70	JBH20_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053517			X								X	X						
71	JBH20_8.9-9.0	Mar 18, 2025		Soil	S25-Ma0053518			X								X	X						
72	JBH21_0-0.1	Mar 18, 2025		Soil	S25-Ma0053519						X						X						

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
73	JBH21_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053520							X	X	X			X						
74	JBH21_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053521												X		X				
75	JBH21_4.9-5.0	Mar 18, 2025		Soil	S25-Ma0053522											X	X						
76	JBH21_5.9-6.0	Mar 18, 2025		Soil	S25-Ma0053523											X	X						X
77	JBH21_8.2-8.3	Mar 18, 2025		Soil	S25-Ma0053524			X									X						
78	JBH25_0-0.1	Mar 18, 2025		Soil	S25-Ma0053525		X				X			X			X						X
79	JBH25_0.1-0.2	Mar 18, 2025		Soil	S25-Ma0053526						X	X	X				X						
80	JBH25_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053527									X			X						
81	JBH25_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053528												X		X				
82	JBH25_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053529												X		X				
83	JBH26_0-0.1	Mar 18, 2025		Soil	S25-Ma0053530						X						X						X
84	JBH26_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053531						X			X			X						
85	JBH26_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053532							X	X				X						
86	JBH32_0-0.1	Mar 20, 2025		Soil	S25-Ma0053533		X				X			X			X						
87	JBH32_0.2-0.3	Mar 20, 2025		Soil	S25-Ma0053534		X								X		X			X			X

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
88	JBH32_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053535						X						X						
89	JBH32_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053536												X		X				
90	JBH32_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053537											X	X						
91	JBH32_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053538										X	X	X		X				
92	JBH32_2.9-3.0	Mar 20, 2025		Soil	S25-Ma0053539	X				X					X	X	X	X	X				
93	JBH32_4.9-5.0	Mar 20, 2025		Soil	S25-Ma0053540									X		X	X						
94	JBH32_5.9-6.0	Mar 20, 2025		Soil	S25-Ma0053541											X	X						
95	JBH32_7.9-8.0	Mar 20, 2025		Soil	S25-Ma0053542			X								X	X						
96	20250318QC_01	Mar 18, 2025		Soil	S25-Ma0053543		X								X		X			X			X
97	20250320QC_02	Mar 20, 2025		Soil	S25-Ma0053544		X								X		X			X			X
98	TS	Mar 20, 2025		Water	S25-Ma0053545																	X	
99	TB	Mar 20, 2025		Water	S25-Ma0053546																X		
100	FB	Mar 20, 2025		Water	S25-Ma0053547																		X

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Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Project Name: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1200931
Phone: 02 8245 0300
Fax:

Received: Mar 24, 2025 6:40 PM
Due: Apr 1, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
101	JBH18_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053548												X		X				
102	JBH02_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053549				X														
103	JBH02_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053550				X														
104	JBH02_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053551				X														
105	JBH02_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053552				X														
106	JBH03_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053553				X														
107	JBH03_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053554				X														
108	JBH03_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053555				X														
109	JBH04_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053556				X														
110	JBH04_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053557				X														
111	JBH05_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053558				X														
112	JBH06_2.9-3.0	Mar 19, 2025		Soil	S25-Ma0053559				X														
113	JBH06_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053560				X														
114	JBH06_4.9-5.0	Mar 19, 2025		Soil	S25-Ma0053561				X														
115	JBH06_5.9-6.0	Mar 19, 2025		Soil	S25-Ma0053562				X														

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
116	JBH06_6.9-7.0	Mar 19, 2025		Soil	S25-Ma0053563				X														
117	JBH06_7.9-8.0	Mar 19, 2025		Soil	S25-Ma0053564				X														
118	JBH07_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053565				X														
119	JBH09_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053566				X														
120	JBH11_0.2-0.3	Mar 19, 2025		Soil	S25-Ma0053567				X														
121	JBH11_0.4-0.5	Mar 19, 2025		Soil	S25-Ma0053568				X														
122	JBH11_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053569				X														
123	JBH11_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053570				X														
124	JBH12_0.9-1.0	Mar 19, 2025		Soil	S25-Ma0053571				X														
125	JBH12_1.4-1.5	Mar 19, 2025		Soil	S25-Ma0053572				X														
126	JBH12_1.9-2.0	Mar 19, 2025		Soil	S25-Ma0053573				X														
127	JBH12_3.9-4.0	Mar 19, 2025		Soil	S25-Ma0053574				X														
128	JBH14_1.4-1.5	Mar 20, 2025		Soil	S25-Ma0053575				X														
129	JBH14_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053576				X														
130	JBH15_0.4-0.5	Mar 20, 2025		Soil	S25-Ma0053577				X														

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
131	JBH15_0.9-1.0	Mar 20, 2025		Soil	S25-Ma0053578				X														
132	JBH15_1.9-2.0	Mar 20, 2025		Soil	S25-Ma0053579				X														
133	JBH17_0-0.1	Mar 18, 2025		Soil	S25-Ma0053580				X														
134	JBH17_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053581				X														
135	JBH17_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053582				X														
136	JBH18_0-0.1	Mar 18, 2025		Soil	S25-Ma0053583				X														
137	JBH20_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053584				X														
138	JBH20_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053585				X														
139	JBH21_0.2-0.3	Mar 18, 2025		Soil	S25-Ma0053586				X														
140	JBH21_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053587				X														
141	JBH21_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053588				X														
142	JBH21_2.9-3.0	Mar 18, 2025		Soil	S25-Ma0053589				X														
143	JBH21_3.9-4.0	Mar 18, 2025		Soil	S25-Ma0053590				X														
144	JBH21_6.9-7.0	Mar 18, 2025		Soil	S25-Ma0053591				X														
145	JBH21_7.9-8.0	Mar 18, 2025		Soil	S25-Ma0053592				X														

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Melbourne Laboratory - NATA # 1261 Site # 1254								X										X					
Sydney Laboratory - NATA # 1261 Site # 18217							X		X	X	X	X	X	X	X		X	X	X	X	X	X	X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X										X							
146	JBH25_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053593				X														
147	JBH25_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053594				X														
148	JBH26_0.4-0.5	Mar 18, 2025		Soil	S25-Ma0053595				X														
149	JBH26_0.9-1.0	Mar 18, 2025		Soil	S25-Ma0053596				X														
150	JBH26_1.4-1.5	Mar 18, 2025		Soil	S25-Ma0053597				X														
151	JBH32_3.9-4.0	Mar 20, 2025		Soil	S25-Ma0053598				X														
152	JBH32_6.9-7.0	Mar 20, 2025		Soil	S25-Ma0053599				X														
153	JBH18_1.9-2.0	Mar 18, 2025		Soil	S25-Ma0053600				X														
Test Counts						4	27	8	53	4	33	13	13	33	10	20	97	4	23	4	1	1	23

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ppm:** parts per million
µg/L: micrograms per litre	**ppb:** parts per billion	**%:** Percentage
org/100 mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	**Colour:** Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
BTEX and Naphthalene							
Naphthalene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.05			0.05	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.01			0.01	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.01			0.01	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.01			0.01	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.01			0.01	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.05			0.05	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.05			0.05	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.05			0.05	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.05			0.05	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.05			0.05	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.05			0.05	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.05			0.05	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.01			0.01	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.01			0.01	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.01			0.01	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.01			0.01	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.01			0.01	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	88			70-130	Pass	
TRH C6-C10	%	89			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	95			70-130	Pass	
Toluene	%	98			70-130	Pass	
Ethylbenzene	%	101			70-130	Pass	
m&p-Xylenes	%	104			70-130	Pass	
o-Xylene	%	104			70-130	Pass	
Xylenes - Total*	%	104			70-130	Pass	
LCS - % Recovery							
BTEX and Naphthalene							
Naphthalene	%	97			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	%	86			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	86			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	83			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	96			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	102			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	93			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	90			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	93			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	112			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	147			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	99			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	%	83			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	64			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	102			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	93			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	102			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	80			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	86			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)							
Perfluorobutanesulfonic acid (PFBS)	%	83			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	77			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	67			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	70			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	96			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	90			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	86			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	77			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	90			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	125			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	118			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	86			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Ma0058367	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	S25-Ma0058367	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S25-Ma0058367	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S25-Ma0058367	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S25-Ma0058367	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S25-Ma0058367	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S25-Ma0058367	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S25-Ma0058367	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
BTEX and Naphthalene				Result 1	Result 2	RPD			
Naphthalene	S25-Ma0058367	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).

Authorised by:

Andrew Black	Analytical Services Manager
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-PFAS

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

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Outlook

68063 - Additional Analysis

From Daniel Saeed <dsaeed@jbsg.com.au>
Date Wed 09/04/2025 3:57 PM
To Andrew Black <Andrew.Black@eurofinsanz.com>

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Can I please request Chromium Reducible Sulfur Analysis on standard TAT for the following samples:

JBH32_1.4-1.5
JBH32_1.9-2.0
JBH32_4.9-5.0
JBH20_6.9-7.0
JBH20_4.9-5.0
JBH20_8.9-9.0
JBH12_5.9-6.0
JBH12_7.9-8.0
JBH14_3.9-4.0
JBH14_5.9-6.0

Please issue SCr as a separate report.

Thanks,

Daniel Saeed | Environmental Consultant | JBS&G
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0452 392 909 | E: dsaeed@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise	43 Detroit Drive	1277 Cameron Road
Penrose	Mount Wellington	Rolleston	Gate Pa
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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Daniel Saeed
Project name:	Additional: WATERLOO SOUTH
Project ID:	68063
Turnaround time:	5 Day
Date/Time received	Apr 8, 2025 8:44 AM
Eurofins reference	1207450

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 5.6 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: Andrew.Black@eurofinsanz.com

Results will be delivered electronically via email to Daniel Saeed - dsaeed@jbsg.com.au.

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web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

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ABN: 50 005 085 521

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
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+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

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Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: Additional: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1207450
Phone: 02 8245 0300
Fax:

Received: Apr 8, 2025 8:44 AM
Due: Apr 15, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Chromium Reducible Sulfur Suite	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217							X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X	
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	JBH32_1.4-1.5	Mar 19, 2025		Soil	S25-Ap0025289	X	X
2	JBH32_1.9-2.0	Mar 19, 2025		Soil	S25-Ap0025290	X	X
3	JBH32_4.9-5.0	Mar 19, 2025		Soil	S25-Ap0025291	X	X
4	JBH20_6.9-7.0	Mar 19, 2025		Soil	S25-Ap0025292	X	X
5	JBH20_4.9-5.0	Mar 19, 2025		Soil	S25-Ap0025293	X	X
6	JBH20_8.9-9.0	Mar 19, 2025		Soil	S25-Ap0025294	X	X
7	JBH12_5.9-6.0	Mar 19, 2025		Soil	S25-Ap0025295	X	X
8	JBH12_7.9-8.0	Mar 19, 2025		Soil	S25-Ap0025296	X	X
9	JBH14_3.9-4.0	Mar 19, 2025		Soil	S25-Ap0025297	X	X
10	JBH14_5.9-6.0	Mar 19, 2025		Soil	S25-Ap0025298	X	X
Test Counts						10	10

JBS & G Australia (NSW) P/L
Level 8, 179 Elizabeth St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 20794 & 2780

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Daniel Saeed**

Report **1207450-S**
Project name Additional: WATERLOO SOUTH
Project ID 68063
Received Date Apr 08, 2025

Client Sample ID			**JBH32_1.4-1.5**	**JBH32_1.9-2.0**	**JBH32_4.9-5.0**	**JBH20_6.9-7.0**
Sample Matrix			**Soil**	**Soil**	**Soil**	**Soil**
Eurofins Sample No.			**S25-Ap0025289**	**S25-Ap0025290**	**S25-Ap0025291**	**S25-Ap0025292**
Date Sampled			**Mar 19, 2025**	**Mar 19, 2025**	**Mar 19, 2025**	**Mar 19, 2025**
Test/Reference	LOR	Unit				
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	4.3	4.3	4.3	4.4
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	66	67	76	70
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.11	0.11	0.12	0.11
Potential Acidity - Chromium Reducible Sulfur						
Chromium Reducible Sulfur (s-SCr) (NLM-2.1)[S04]	0.005	% S	0.007	< 0.005	< 0.005	< 0.005
Chromium Reducible Sulfur (a-SCr) (NLM-2.1)	3	mol H+/t	4.5	< 3	< 3	< 3
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	0.010	0.020	0.010	0.010
HCl Extractable Sulfur	0.005	% S	0.020	0.020	0.010	0.010
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (SNAS) NLM-4.1	0.005	% S	0.008	0.007	< 0.005	0.006
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	0.006	0.006	< 0.005	0.005
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	3.9	3.4	< 2	3.0
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0	2.0	2.0
Acid Neutralising Capacity (ANCbt)						
Acid Neutralising Capacity - (ANCbt) (NLM-5.2)	0.01	% CaCO3	N/A	N/A	N/A	N/A
Acid Neutralising Capacity - (s-ANCbt) (NLM-5.2)[S03]	0.02	% S	N/A	N/A	N/A	N/A
Acid Neutralising Capacity - (a-ANCbt) (NLM-5.2)	2	mol H+/t	N/A	N/A	N/A	N/A
ANC Fineness Factor		factor	1.5	1.5	1.5	1.5
Net Acidity (Including ANC)						
s-CRS Suite - Net Acidity - NASSG (including ANC)	0.02	% S	0.12	0.11	0.12	0.12
CRS Suite - Net Acidity - NASSG (Including ANC)	10	mol H+/t	74	71	76	73
CRS Suite - Liming Rate - NASSG (Including ANC)[S01]	1	kg CaCO3/t	5.6	5.3	5.7	5.5
Extraneous Material						
<2mm Fraction	0.005	g	59	77	60	39
>2mm Fraction	0.005	g	0.89	< 0.005	< 0.005	< 0.005
Analysed Material	0.1	%	99	100	100	100
Extraneous Material	0.1	%	1.5	< 0.1	< 0.1	< 0.1
Sample Properties						
% Moisture	1	%	17	14	20	33

Client Sample ID			JBH20_4.9-5.0	JBH20_8.9-9.0	JBH12_5.9-6.0	JBH12_7.9-8.0
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			S25-Ap0025293	S25-Ap0025294	S25-Ap0025295	S25-Ap0025296
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Actual Acidity (NLM-3.2)						
pH-KCL (NLM-3.1)	0.1	pH Units	4.4	4.4	4.4	4.5
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	63	61	49	49
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.10	0.10	0.080	0.080
Potential Acidity - Chromium Reducible Sulfur						
Chromium Reducible Sulfur (s-SCr) (NLM-2.1)[S04]	0.005	% S	< 0.005	< 0.005	< 0.005	< 0.005
Chromium Reducible Sulfur (a-SCr) (NLM-2.1)	3	mol H+/t	< 3	< 3	< 3	< 3
Extractable Sulfur						
Sulfur - KCl Extractable	0.005	% S	0.020	0.010	0.010	< 0.005
HCl Extractable Sulfur	0.005	% S	0.020	0.010	0.010	< 0.005
Retained Acidity (S-NAS)						
Net Acid soluble sulfur (SNAS) NLM-4.1	0.005	% S	0.007	0.005	< 0.005	0.005
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	0.005	< 0.005	< 0.005	< 0.005
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	3.2	2.3	< 2	2.2
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0	2.0	2.0
Acid Neutralising Capacity (ANCbt)						
Acid Neutralising Capacity - (ANCbt) (NLM-5.2)	0.01	% CaCO3	N/A	N/A	N/A	N/A
Acid Neutralising Capacity - (s-ANCbt) (NLM-5.2)[S03]	0.02	% S	N/A	N/A	N/A	N/A
Acid Neutralising Capacity - (a-ANCbt) (NLM-5.2)	2	mol H+/t	N/A	N/A	N/A	N/A
ANC Fineness Factor		factor	1.5	1.5	1.5	1.5
Net Acidity (Including ANC)						
s-CRS Suite - Net Acidity - NASSG (including ANC)	0.02	% S	0.11	0.10	0.08	0.08
CRS Suite - Net Acidity - NASSG (Including ANC)	10	mol H+/t	66	63	50	51
CRS Suite - Liming Rate - NASSG (Including ANC)[S01]	1	kg CaCO3/t	4.9	4.7	3.8	3.8
Extraneous Material						
<2mm Fraction	0.005	g	52	58	55	63
>2mm Fraction	0.005	g	< 0.005	< 0.005	5.5	< 0.005
Analysed Material	0.1	%	100	100	91	100
Extraneous Material	0.1	%	< 0.1	< 0.1	9.2	< 0.1
Sample Properties						
% Moisture	1	%	22	26	8.0	12

Client Sample ID			JBH14_3.9-4.0	JBH14_5.9-6.0
Sample Matrix			Soil	Soil
Eurofins Sample No.			S25-Ap0025297	S25-Ap0025298
Date Sampled			Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit		
Actual Acidity (NLM-3.2)				
pH-KCL (NLM-3.1)	0.1	pH Units	4.7	4.5
Titratable Actual Acidity (NLM-3.2)	2	mol H+/t	27	45
Titratable Actual Acidity (NLM-3.2)	0.003	% pyrite S	0.040	0.070
Potential Acidity - Chromium Reducible Sulfur				
Chromium Reducible Sulfur (s-SCr) (NLM-2.1)[S04]	0.005	% S	< 0.005	< 0.005
Chromium Reducible Sulfur (a-SCr) (NLM-2.1)	3	mol H+/t	< 3	< 3
Extractable Sulfur				
Sulfur - KCl Extractable	0.005	% S	N/A	N/A
HCl Extractable Sulfur	0.005	% S	N/A	N/A

Client Sample ID			JBH14_3.9-4.0	JBH14_5.9-6.0
Sample Matrix			Soil	Soil
Eurofins Sample No.			S25-Ap0025297	S25-Ap0025298
Date Sampled			Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit		
Retained Acidity (S-NAS)				
Net Acid soluble sulfur (SNAS) NLM-4.1	0.005	% S	N/A	N/A
Net Acid soluble sulfur (s-SNAS) NLM-4.1[S02]	0.005	% S	N/A	N/A
Net Acid soluble sulfur (a-SNAS) NLM-4.1	2	mol H+/t	N/A	N/A
HCl Extractable Sulfur Correction Factor	1	factor	2.0	2.0
Acid Neutralising Capacity (ANCbt)				
Acid Neutralising Capacity - (ANCbt) (NLM-5.2)	0.01	% CaCO3	N/A	N/A
Acid Neutralising Capacity - (s-ANCbt) (NLM-5.2)[S03]	0.02	% S	N/A	N/A
Acid Neutralising Capacity - (a-ANCbt) (NLM-5.2)	2	mol H+/t	N/A	N/A
ANC Fineness Factor		factor	1.5	1.5
Net Acidity (Including ANC)				
s-CRS Suite - Net Acidity - NASSG (including ANC)	0.02	% S	0.04	0.07
CRS Suite - Net Acidity - NASSG (Including ANC)	10	mol H+/t	27	45
CRS Suite - Liming Rate - NASSG (Including ANC)[S01]	1	kg CaCO3/t	2.0	3.4
Extraneous Material				
<2mm Fraction	0.005	g	73	48
>2mm Fraction	0.005	g	7.5	< 0.005
Analysed Material	0.1	%	91	100
Extraneous Material	0.1	%	9.4	< 0.1
Sample Properties				
% Moisture	1	%	14	22

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Chromium Reducible Sulfur Suite			
Chromium Suite	Brisbane	Apr 11, 2025	6 Week
- Method: LTM-GEN-7070 Chromium Reducible Sulfur Suite			
Extraneous Material	Brisbane	Apr 11, 2025	6 Week
- Method: LTM-GEN-7050/7070			
% Moisture	Sydney	Apr 09, 2025	14 Days
- Method: LTM-GEN-7080 Moisture			

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

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NZBN: 9429046024954

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Penrose	Mount Wellington	Rolleston	Gate Pa
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: Additional: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1207450
Phone: 02 8245 0300
Fax:

Received: Apr 8, 2025 8:44 AM
Due: Apr 15, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Chromium Reducible Sulfur Suite	Moisture Set
Sydney Laboratory - NATA # 1261 Site # 18217							X
Brisbane Laboratory - NATA # 1261 Site # 20794 & 2780						X	
External Laboratory							
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**		
1	JBH32_1.4-1.5	Mar 19, 2025		Soil	S25-Ap0025289	X	X
2	JBH32_1.9-2.0	Mar 19, 2025		Soil	S25-Ap0025290	X	X
3	JBH32_4.9-5.0	Mar 19, 2025		Soil	S25-Ap0025291	X	X
4	JBH20_6.9-7.0	Mar 19, 2025		Soil	S25-Ap0025292	X	X
5	JBH20_4.9-5.0	Mar 19, 2025		Soil	S25-Ap0025293	X	X
6	JBH20_8.9-9.0	Mar 19, 2025		Soil	S25-Ap0025294	X	X
7	JBH12_5.9-6.0	Mar 19, 2025		Soil	S25-Ap0025295	X	X
8	JBH12_7.9-8.0	Mar 19, 2025		Soil	S25-Ap0025296	X	X
9	JBH14_3.9-4.0	Mar 19, 2025		Soil	S25-Ap0025297	X	X
10	JBH14_5.9-6.0	Mar 19, 2025		Soil	S25-Ap0025298	X	X
Test Counts						10	10

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ppm:** parts per million
µg/L: micrograms per litre	**ppb:** parts per billion	**%:** Percentage
org/100 mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	**Colour:** Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
LCS - % Recovery							
Actual Acidity (NLM-3.2)							
pH-KCL (NLM-3.1)	%	98			80-120	Pass	
Titratable Actual Acidity (NLM-3.2)	%	99			80-120	Pass	
LCS - % Recovery							
Potential Acidity - Chromium Reducible Sulfur							
Chromium Reducible Sulfur (s-SCr) (NLM-2.1)	%	104			80-120	Pass	
LCS - % Recovery							
Extractable Sulfur							
HCl Extractable Sulfur	%	113			80-120	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Actual Acidity (NLM-3.2)				Result 1	Result 2	RPD			
pH-KCL (NLM-3.1)	S25-Ap0025291	CP	pH Units	4.3	4.4	<1	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ap0025291	CP	mol H+/t	76	77	2.0	20%	Pass	
Titratable Actual Acidity (NLM-3.2)	S25-Ap0025291	CP	% pyrite S	0.12	0.12	2.0	30%	Pass	
Duplicate									
Potential Acidity - Chromium Reducible Sulfur				Result 1	Result 2	RPD			
Chromium Reducible Sulfur (s-SCr) (NLM-2.1)	S25-Ap0025291	CP	% S	< 0.005	< 0.005	<1	20%	Pass	
Chromium Reducible Sulfur (a-SCr) (NLM-2.1)	S25-Ap0025291	CP	mol H+/t	< 3	< 3	<1	30%	Pass	
Duplicate									
Extractable Sulfur				Result 1	Result 2	RPD			
Sulfur - KCl Extractable	S25-Ap0025291	CP	% S	0.010	0.010	3.0	30%	Pass	
HCl Extractable Sulfur	S25-Ap0025291	CP	% S	0.010	0.010	2.0	20%	Pass	
Duplicate									
Retained Acidity (S-NAS)				Result 1	Result 2	RPD			
Net Acid soluble sulfur (SNAS) NLM-4.1	S25-Ap0025291	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Net Acid soluble sulfur (s-SNAS) NLM-4.1	S25-Ap0025291	CP	% S	< 0.005	< 0.005	<1	30%	Pass	
Net Acid soluble sulfur (a-SNAS) NLM-4.1	S25-Ap0025291	CP	mol H+/t	< 2	< 2	<1	30%	Pass	
Duplicate									
Acid Neutralising Capacity (ANCbt)				Result 1	Result 2	RPD			
Acid Neutralising Capacity - (ANCbt) (NLM-5.2)	S25-Ap0025291	CP	% CaCO3	N/A	N/A	N/A	20%	Pass	
Acid Neutralising Capacity - (s-ANCbt) (NLM-5.2)	S25-Ap0025291	CP	% S	N/A	N/A	N/A	30%	Pass	
ANC Fineness Factor	S25-Ap0025291	CP	factor	1.5	1.5	<1	30%	Pass	
Duplicate									
Net Acidity (Including ANC)				Result 1	Result 2	RPD			
s-CRS Suite - Net Acidity - NASSG (including ANC)	S25-Ap0025291	CP	% S	0.12	0.12	2.0	30%	Pass	
CRS Suite - Net Acidity - NASSG (Including ANC)	S25-Ap0025291	CP	mol H+/t	76	77	2.0	30%	Pass	
CRS Suite - Liming Rate - NASSG (Including ANC)	S25-Ap0025291	CP	kg CaCO3/t	5.7	5.8	2.0	30%	Pass	
Duplicate									
Sample Properties				Result 1	Result 2	RPD			
% Moisture	S25-Ap0025298	CP	%	22	25	12	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
S01	Liming rate is calculated and reported on a dry weight basis assuming use of fine agricultural lime (CaCO3) and using a safety factor of 1.5 to allow for non-homogeneous mixing and poor reactivity of lime. For conversion of Liming Rate from 'kg/t dry weight' to 'kg/m3 in-situ soil' multiply 'reported results' x 'wet bulk density of soil in t/m3'
S02	Retained Acidity is Reported when the pHKCl is less than pH 4.5
S03	Acid Neutralising Capacity is only required if the pHKCl if greater than or equal to pH 6.5
S04	Acid Sulfate Soil Samples have a 24 hour holding time unless frozen or dried within that period

Authorised by:

Andrew Black	Analytical Services Manager
Jonathon Angell	Senior Analyst-SPOCAS
Ryan Phillips	Senior Analyst-Sample Properties

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

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Outlook

RE: Jobs COCs

From Daniel Saeed <dsaeed@jbsg.com.au>
Date Wed 09/04/2025 2:51 PM
To Andrew Black <Andrew.Black@eurofinsanz.com>

2.3°C chill

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments clicking links.

Andrew,

To save time can you please consider this email as the COC.

Can you please schedule the following analysis on all 11 samples sent to the lab

Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn)
PAH (low levels)
TRH/VOCs
PFAS 30 compound (ultra trace)
pH/EC/Hardness

Will need these on standard TAT

Samples received should be labelled as follows:

MW01, MW02, MW04, MW105, MW108, MW110, MW11, MW115, MW121, MW124, QC_20250407

Thanks,

Dan

Daniel Saeed | Environmental Consultant | JBS&G
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0452 392 909 | E: dsaeed@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Daniel Saeed
Sent: Wednesday, 9 April 2025 2:42 PM
To: Andrew Black <Andrew.Black@eurofinsanz.com>
Subject: RE: Jobs COCs

Hey mate,

just spoke to the field staff – can you please confirm if all 4 eskis were received. They are adamant that the COC was placed within an asbestos bag in one of the 4 eskis (ma

Thanks,

Dan

Daniel Saeed | Environmental Consultant | JBS&G
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0452 392 909 | E: dsaeed@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Andrew Black <Andrew.Black@eurofinsanz.com>
Sent: Wednesday, 9 April 2025 2:07 PM
To: Samuel Knott <sknott@jbsg.com.au>; Amy Holland <aholland@jbsg.com.au>; Jasmin Porter <JPorter@jbsg.com.au>; Daniel Saeed <dsaeed@jbsg.com.au>
Subject: Jobs COCs

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

Hi Team

Going by the list yesterday we received the below without paperwork. Some of these may have been sent through since?

JBS&G	67874	AV1_C (eg sample)	7-Apr	4:00 PM	~20 samples	4 ESKY	FMBG, JC	YES (Hold COC)	pl
JBS&G	68902	BH01-0.05-0.1 (eg sample)	8-Apr	6:48 PM	~35 samples	4 ESKY	JC, TP, BG	YES (Hold COC)	
JBS & G	67020	a12_05_3.0 (eg sample)	8-Apr	6:58 PM	30+ samples	2 esky	jc,tp	No COC	
JBS & G	68063	qc_20250407 (eg sample)	8-Apr	?	50+ samples	4 esky	waters	No COC	

Outlook

ADD ONTO THIS ONE: FW: Eurofins Sample Receipt Advice - Report 1208047 : Site 68063

From Andrew Black <Andrew.Black@eurofinsanz.com>
Date Thu 10/04/2025 3:04 PM
To SH_AU25_Enviro_Sample_NSW <EnviroSampleNSW@eurofinsanz.com>

4 attachments (590 KB)
1208047_COC.pdf; 1208047_sample_receipt_coc.pdf; 1208047_summary.pdf; FW: Eurofins Sample Receipt Advice - Report 1208047 : Site 68063;

Verified Sender: This email is from an internal and/or verified domain which passed security verifications. Remember to still be cautious with personal data and follow company policies.

Andrew Black
Analytical Services Manager

Eurofins | Environment Testing Australia Pty Ltd
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Mayfield West, NSW, 2304
Phone: +61 2 9900 8490
Mobile: +61 410 220 750
Email: Andrew.Black@eurofinsanz.com
Website: eurofins.com.au/environmental-testing
https://www.eurofins-estore.com.au/

Please note my work hours are 8:30am-5:30pm, anything outside of that I will get to the next day. Contact evening shift ASM for anything urgent.

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From: Daniel Saeed <dsaeed@jbsg.com.au>
Sent: Thursday, 10 April 2025 3:02 PM
To: Andrew Black <Andrew.Black@eurofinsanz.com>
Subject: FW: Eurofins Sample Receipt Advice - Report 1208047 : Site 68063

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Hey mate,

Can I please schedule the following analysis for these:

Rinsate sample scheduled for Heavy Metals, and PFAS (ultra trace).

TS/TB for BTEX

FB for PFAS (ultra trace).

Can you also please make sure the COC and report are issued to me.

Thanks,

Dan

Daniel Saeed | Environmental Consultant | JBS&G
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0452 392 909 | E: dsaeed@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Daniel Denaro <DDenaro@jbsg.com.au>
Sent: Thursday, 10 April 2025 2:57 PM
To: Daniel Saeed <dsaeed@jbsg.com.au>
Subject: FW: Eurofins Sample Receipt Advice - Report 1208047 : Site 68063

Daniel Denaro | Senior Associate and **Team Leader (CLM) | JBS&G**
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0468 425 321 | E: ddenaro@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Riham Al Smaydi <EET-ELVIS@eurofinsanz.com>
Sent: Thursday, 10 April 2025 2:53 PM
To: Daniel Denaro <DDenaro@jbsg.com.au>
Subject: Eurofins Sample Receipt Advice - Report 1208047 : Site 68063

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.*

Dear Valued Client,

Received extra samples labelled "RINSATE, TB,TS & FB", logged on hold.

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Riham Al Smaydi
Sample Receipt

Eurofins | Environmental Testing
179 Magowar Road,
GIRRAWEEN, NSW 2145
AUSTRALIA
Phone: +61 02 9900 8421
Email: EnviroSampleNSW@eurofins.com
Website:http://environment.eurofins.com.au

View our latest EnviroNotes

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Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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Penrose	Mount Wellington	Rolleston	Gate Pa
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name:	JBS & G Australia (NSW) P/L
Contact name:	Daniel Saeed
Project name:	Not provided
Project ID:	68063
Turnaround time:	5 Day
Date/Time received	Apr 9, 2025 2:51 PM
Eurofins reference	1208047

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 2.3 degrees Celsius.
✗	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
✗	Split sample sent to requested external lab.
✗	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: Andrew.Black@eurofinsanz.com

Results will be delivered electronically via email to Daniel Saeed - dsaeed@jbsg.com.au.

Global Leader - Results you can trust

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd
ABN: 91 05 0159 898

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46-48 Banksia Road
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NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
35 O'Rorke Road	Unit C1/4 Pacific Rise	43 Detroit Drive	1277 Cameron Road
Penrose	Mount Wellington	Rolleston	Gate Pa
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name:
Project ID: 68063

Order No.:
Report #: 1208047
Phone: 02 8245 0300
Fax:

Received: Apr 9, 2025 2:51 PM
Due: Apr 16, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Conductivity (at 25 °C)	pH (at 25 °C)	Metals M8 filtered	BTEX	Hardness Set	Volatile Organics	Total Recoverable Hydrocarbons	BTEX	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Polycyclic Aromatic Hydrocarbons (Trace level)
Melbourne Laboratory - NATA # 1261 Site # 1254															X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	MW01	Apr 08, 2025		Water	S25-Ap0029457	X	X	X		X	X	X		X	X
2	MW02	Apr 08, 2025		Water	S25-Ap0029458	X	X	X		X	X	X		X	X
3	MW04	Apr 08, 2025		Water	S25-Ap0029459	X	X	X		X	X	X		X	X
4	MW105	Apr 08, 2025		Water	S25-Ap0029460	X	X	X		X	X	X		X	X
5	MW108	Apr 08, 2025		Water	S25-Ap0029461	X	X	X		X	X	X		X	X
6	MW110	Apr 08, 2025		Water	S25-Ap0029462	X	X	X		X	X	X		X	X
7	MW115	Apr 08, 2025		Water	S25-Ap0029463	X	X	X		X	X	X		X	X
8	MW121	Apr 08, 2025		Water	S25-Ap0029464	X	X	X		X	X	X		X	X
9	MW124	Apr 08, 2025		Water	S25-Ap0029465	X	X	X		X	X	X		X	X
10	QC_20250407	Apr 08, 2025		Water	S25-Ap0029466	X	X	X		X	X	X		X	X
11	FB	Apr 08, 2025		Water	S25-Ap0029467									X	
12	TS	Apr 08, 2025		Trip Spike (liquid)	S25-Ap0029468								X		

eurofins

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

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6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Eurofins Environment Testing NZ Ltd
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name:
Project ID: 68063

Order No.:
Report #: 1208047
Phone: 02 8245 0300
Fax:

Received: Apr 9, 2025 2:51 PM
Due: Apr 16, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Conductivity (at 25 °C)	pH (at 25 °C)	Metals M8 filtered	BTEX	Hardness Set	Volatile Organics	Total Recoverable Hydrocarbons	BTEX	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Polycyclic Aromatic Hydrocarbons (Trace level)
Melbourne Laboratory - NATA # 1261 Site # 1254															X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	
13	TB	Apr 08, 2025		Trip Blank (liquid)	S25-Ap0029469				X						
14	MW111	Apr 08, 2025		Water	S25-Ap0029501	X	X	X		X	X	X		X	X
15	RINSATE	Apr 08, 2025		Water	S25-Ap0029502			X						X	
Test Counts						11	11	12	1	11	11	11	1	13	11

JBS & G Australia (NSW) P/L
Level 8, 179 Elizabeth St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Daniel Saeed**

Report **1208047-W**
Project name
Project ID 68063
Received Date Apr 09, 2025

Client Sample ID			**MW01**	**MW02**	**MW04**	**MW105**
Sample Matrix			**Water**	**Water**	**Water**	**Water**
Eurofins Sample No.			**S25-Ap0029457**	**S25-Ap0029458**	**S25-Ap0029459**	**S25-Ap0029460**
Date Sampled			**Apr 08, 2025**	**Apr 08, 2025**	**Apr 08, 2025**	**Apr 08, 2025**
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2-Propanone (Acetone)	0.005	mg/L	< 0.005	0.28	< 0.005	< 0.005
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

Client Sample ID			MW01	MW02	MW04	MW105
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-Ap0029457	S25-Ap0029458	S25-Ap0029459	S25-Ap0029460
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromoform	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromomethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Chloroform	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Iodomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Styrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Total MAH*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4-Bromofluorobenzene (surr.)	1	%	99	102	100	101
Toluene-d8 (surr.)	1	%	94	99	94	97
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
Polycyclic Aromatic Hydrocarbons (Trace level)						
Acenaphthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Acenaphthylene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Anthracene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benz(a)anthracene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(a)pyrene - low level	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(b&j)fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(g.h.i)perylene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(k)fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Chrysene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Dibenz(a.h)anthracene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Client Sample ID			MW01	MW02	MW04	MW105
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-Ap0029457	S25-Ap0029458	S25-Ap0029459	S25-Ap0029460
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons (Trace level)						
Fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Fluorene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Indeno(1.2.3-cd)pyrene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Naphthalene	0.00001	mg/L	< 0.00001	< 0.00001	0.0030	< 0.00001
Phenanthrene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pyrene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Total PAH*	0.00001	mg/L	< 0.00001	< 0.00001	0.003	< 0.00001
2-Fluorobiphenyl (surr.)	1	%	140	50	140	120
p-Terphenyl-d14 (surr.)	1	%	120	110	107	70
Conductivity (at 25 °C)	10	uS/cm	960	950	190	210
pH (at 25 °C)	0.1	pH Units	6.1	6.6	5.1	6.4
Hardness mg equivalent CaCO3/L	1	mg/L	240	82	39	34
Alkali Metals						
Calcium	0.5	mg/L	25	7.5	9.6	1.5
Magnesium	0.5	mg/L	42	15	3.6	7.3
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	0.002	0.003	< 0.001	0.004
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	0.0002	< 0.0002
Chromium (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Copper (filtered)	0.001	mg/L	0.002	< 0.001	0.004	< 0.001
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	0.003	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel (filtered)	0.001	mg/L	0.077	0.072	0.074	0.013
Zinc (filtered)	0.005	mg/L	0.057	0.006	0.19	0.017
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace						
Perfluorobutanoic acid (PFBA)[N11]	0.005	ug/L	< 0.005	0.007	0.006	< 0.005
Perfluorodecanoic acid (PFDA)[N11]	0.001	ug/L	< 0.001	< 0.001	0.004	< 0.001
Perfluorododecanoic acid (PFDoDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoroheptanoic acid (PFHpA)[N11]	0.001	ug/L	< 0.001	0.003	0.006	< 0.001
Perfluorohexanoic acid (PFHxA)[N11]	0.001	ug/L	0.002	0.013	0.017	< 0.001
Perfluorononanoic acid (PFNA)[N11]	0.001	ug/L	< 0.001	< 0.001	0.048	< 0.001
Perfluorooctanoic acid (PFOA)[N11]	0.001	ug/L	0.002	0.012	0.014	< 0.001
Perfluoropentanoic acid (PFPeA)[N11]	0.001	ug/L	0.002	0.009	0.008	< 0.001
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorotridecanoic acid (PFTrDA)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoroundecanoic acid (PFUnDA)[N11]	0.001	ug/L	< 0.001	< 0.001	0.013	< 0.001
13C4-PFBA (surr.)	1	%	109	105	104	108
13C5-PFPeA (surr.)	1	%	96	93	101	103
13C5-PFHxA (surr.)	1	%	129	108	109	134
13C4-PFHpA (surr.)	1	%	113	118	109	103
13C8-PFOA (surr.)	1	%	131	126	115	126
13C5-PFNA (surr.)	1	%	121	124	119	126
13C6-PFDA (surr.)	1	%	123	115	99	121
13C2-PFUnDA (surr.)	1	%	85	80	85	93
13C2-PFDoDA (surr.)	1	%	83	85	74	81
13C2-PFTeDA (surr.)	1	%	74	78	54	66

Client Sample ID			MW01	MW02	MW04	MW105
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-Ap0029457	S25-Ap0029458	S25-Ap0029459	S25-Ap0029460
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.001	ug/L	< 0.001	0.008	0.012	< 0.001
Perfluorononanesulfonic acid (PFNS)[N15]	0.001	ug/L	< 0.001	< 0.001	0.003	< 0.001
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.001	ug/L	< 0.001	0.001	0.001	< 0.001
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.001	ug/L	< 0.001	0.003	0.011	< 0.001
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.001	ug/L	< 0.001	0.022	0.12	< 0.001
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.001	ug/L	< 0.001	< 0.001	0.011	< 0.001
Perfluorooctanesulfonic acid (PFOS)[N11]	0.0001	ug/L	0.0016	0.010	0.55	0.0003
Perfluorodecanesulfonic acid (PFDS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C3-PFBS (surr.)	1	%	133	122	132	121
18O2-PFHxS (surr.)	1	%	113	128	107	116
13C8-PFOS (surr.)	1	%	93	98	81	105
Perfluoroalkyl sulfonamido substances- Ultra Trace						
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
Perfluorooctane sulfonamide (FOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
13C8-FOSA (surr.)	1	%	102	89	83	91
D3-N-MeFOSA (surr.)	1	%	75	80	49	74
D5-N-EtFOSA (surr.)	1	%	54	54	37	47
D7-N-MeFOSE (surr.)	1	%	75	60	55	64
D9-N-EtFOSE (surr.)	1	%	68	65	51	61
D5-N-EtFOSAA (surr.)	1	%	89	104	73	83
D3-N-MeFOSAA (surr.)	1	%	98	105	82	93
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.005	ug/L	< 0.005	0.008	< 0.005	< 0.005
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C2-4:2 FTSA (surr.)	1	%	163	193	175	144
13C2-6:2 FTSA (surr.)	1	%	INT	INT	INT	134
13C2-8:2 FTSA (surr.)	1	%	158	192	141	105
13C2-10:2 FTSA (surr.)	1	%	184	INT	144	154
PFASs Summations						
Sum (PFHxS + PFOS)*	0.001	ug/L	0.0016	0.032	0.67	< 0.001
Sum of US EPA PFAS (PFOS + PFOA)*	0.001	ug/L	0.0036	0.022	0.564	< 0.001
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.001	ug/L	0.0036	0.044	0.684	< 0.001
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	0.0076	0.092	0.733	< 0.005
Sum of PFASs (n=30)*	0.005	ug/L	0.0076	0.096	0.824	< 0.005

Client Sample ID			MW108	MW110	MW115	MW121
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-Ap0029461	S25-Ap0029462	S25-Ap0029463	S25-Ap0029464
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	0.002
Bromoform	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromomethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chloroethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Chloroform	0.005	mg/L	< 0.005	0.008	< 0.005	0.015
Chloromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

Client Sample ID			MW108	MW110	MW115	MW121
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-Ap0029461	S25-Ap0029462	S25-Ap0029463	S25-Ap0029464
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Iodomethane	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Styrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Total MAH*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005	0.008	< 0.005	0.015
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005	0.008	< 0.005	0.015
4-Bromofluorobenzene (surr.)	1	%	102	110	100	100
Toluene-d8 (surr.)	1	%	96	104	93	94
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
Polycyclic Aromatic Hydrocarbons (Trace level)						
Acenaphthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Acenaphthylene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Anthracene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benz(a)anthracene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(a)pyrene - low level	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(b&j)fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(g.h.i)perylene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Benzo(k)fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Chrysene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Dibenz(a.h)anthracene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Fluorene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Indeno(1.2.3-cd)pyrene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Naphthalene	0.00001	mg/L	< 0.00001	0.0010	< 0.00001	< 0.00001
Phenanthrene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Pyrene	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Total PAH*	0.00001	mg/L	< 0.00001	0.001	< 0.00001	< 0.00001
2-Fluorobiphenyl (surr.)	1	%	130	120	110	110
p-Terphenyl-d14 (surr.)	1	%	80	140	140	140
Conductivity (at 25 °C)	10	uS/cm	560	460	390	310
pH (at 25 °C)	0.1	pH Units	6.2	6.8	6.1	6.2
Hardness mg equivalent CaCO3/L	1	mg/L	110	92	58	75

Client Sample ID			MW108	MW110	MW115	MW121
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-Ap0029461	S25-Ap0029462	S25-Ap0029463	S25-Ap0029464
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Alkali Metals						
Calcium	0.5	mg/L	25	28	9.9	21
Magnesium	0.5	mg/L	10	5.3	8.0	5.4
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	< 0.001	< 0.001	0.003	< 0.001
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Chromium (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Copper (filtered)	0.001	mg/L	0.002	< 0.001	< 0.001	< 0.001
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel (filtered)	0.001	mg/L	0.075	0.044	0.041	0.059
Zinc (filtered)	0.005	mg/L	0.055	0.014	0.025	0.043
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace						
Perfluorobutanoic acid (PFBA)[N11]	0.005	ug/L	0.007	< 0.005	< 0.005	< 0.005
Perfluorodecanoic acid (PFDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorododecanoic acid (PFDoDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoroheptanoic acid (PFHpA)[N11]	0.001	ug/L	0.003	< 0.001	< 0.001	0.004
Perfluorohexanoic acid (PFHxA)[N11]	0.001	ug/L	0.004	0.003	0.003	0.007
Perfluorononanoic acid (PFNA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorooctanoic acid (PFOA)[N11]	0.001	ug/L	0.004	< 0.001	< 0.001	0.010
Perfluoropentanoic acid (PFPeA)[N11]	0.001	ug/L	0.006	0.008	0.002	0.007
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorotridecanoic acid (PFTrDA)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoroundecanoic acid (PFUnDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C4-PFBA (surr.)	1	%	85	89	122	106
13C5-PFPeA (surr.)	1	%	84	90	120	105
13C5-PFHxA (surr.)	1	%	109	113	123	128
13C4-PFHpA (surr.)	1	%	112	110	140	129
13C8-PFOA (surr.)	1	%	114	133	139	137
13C5-PFNA (surr.)	1	%	106	120	132	123
13C6-PFDA (surr.)	1	%	113	131	111	126
13C2-PFUnDA (surr.)	1	%	96	133	104	93
13C2-PFDoDA (surr.)	1	%	76	140	85	90
13C2-PFTeDA (surr.)	1	%	86	INT	98	40
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.001	ug/L	0.007	< 0.001	0.003	0.003
Perfluorononanesulfonic acid (PFNS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.001	ug/L	< 0.001	< 0.001	0.001	< 0.001
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.001	ug/L	< 0.001	< 0.001	0.001	< 0.001
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.001	ug/L	0.005	0.002	0.004	0.008
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
Perfluorooctanesulfonic acid (PFOS)[N11]	0.0001	ug/L	0.0042	0.011	0.012	0.013
Perfluorodecanesulfonic acid (PFDS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C3-PFBS (surr.)	1	%	110	136	145	124
18O2-PFHxS (surr.)	1	%	100	115	122	124
13C8-PFOS (surr.)	1	%	92	121	98	120

Client Sample ID			MW108	MW110	MW115	MW121
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			S25-Ap0029461	S25-Ap0029462	S25-Ap0029463	S25-Ap0029464
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances- Ultra Trace						
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
Perfluorooctane sulfonamide (FOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
13C8-FOSA (surr.)	1	%	103	108	111	83
D3-N-MeFOSA (surr.)	1	%	94	154	107	67
D5-N-EtFOSA (surr.)	1	%	71	125	70	46
D7-N-MeFOSE (surr.)	1	%	73	96	92	66
D9-N-EtFOSE (surr.)	1	%	69	99	85	59
D5-N-EtFOSAA (surr.)	1	%	111	196	96	121
D3-N-MeFOSAA (surr.)	1	%	105	157	112	97
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	< 0.005
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	< 0.001
13C2-4:2 FTSA (surr.)	1	%	128	INT	158	153
13C2-6:2 FTSA (surr.)	1	%	INT	INT	INT	INT
13C2-8:2 FTSA (surr.)	1	%	130	INT	183	160
13C2-10:2 FTSA (surr.)	1	%	150	199	177	151
PFASs Summations						
Sum (PFHxS + PFOS)*	0.001	ug/L	0.0092	0.013	0.016	0.021
Sum of US EPA PFAS (PFOS + PFOA)*	0.001	ug/L	0.0082	0.011	0.012	0.023
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.001	ug/L	0.0132	0.013	0.016	0.031
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	0.0402	0.024	0.024	0.052
Sum of PFASs (n=30)*	0.005	ug/L	0.0402	0.024	0.026	0.052

Client Sample ID			MW124	QC_20250407	FB	TS
Sample Matrix			Water	Water	Water	Trip Spike (liquid)
Eurofins Sample No.			S25-Ap0029465	S25-Ap0029466	S25-Ap0029467	S25-Ap0029468
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	-	-
TRH C10-C14	0.05	mg/L	< 0.05	< 0.05	-	-
TRH C15-C28	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C10-C36 (Total)	0.1	mg/L	< 0.1	< 0.1	-	-
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	-	-
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02	< 0.02	-	-
TRH >C10-C16	0.05	mg/L	< 0.05	< 0.05	-	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	< 0.05	< 0.05	-	-
TRH >C16-C34	0.1	mg/L	< 0.1	< 0.1	-	-
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	-	-
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1	< 0.1	-	-
Volatile Organics						
1.1-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.1-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.2-Trichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dibromoethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichloroethane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2.3-Trichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.3-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.3-Dichloropropane	0.001	mg/L	< 0.001	< 0.001	-	-
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
1.4-Dichlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
2-Butanone (MEK)	0.005	mg/L	< 0.005	< 0.005	-	-
2-Propanone (Acetone)	0.005	mg/L	< 0.005	< 0.005	-	-
4-Chlorotoluene	0.001	mg/L	< 0.001	< 0.001	-	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	< 0.005	< 0.005	-	-
Allyl chloride	0.001	mg/L	< 0.001	< 0.001	-	-
Benzene	0.001	mg/L	< 0.001	< 0.001	-	-
Bromobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Bromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Bromodichloromethane	0.001	mg/L	0.002	< 0.001	-	-
Bromoform	0.001	mg/L	< 0.001	< 0.001	-	-
Bromomethane	0.005	mg/L	< 0.005	< 0.005	-	-
Carbon disulfide	0.001	mg/L	< 0.001	< 0.001	-	-
Carbon Tetrachloride	0.001	mg/L	< 0.001	< 0.001	-	-
Chlorobenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Chloroethane	0.005	mg/L	< 0.005	< 0.005	-	-
Chloroform	0.005	mg/L	0.013	0.008	-	-
Chloromethane	0.005	mg/L	< 0.005	< 0.005	-	-
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	-

Client Sample ID			MW124	QC_20250407	FB	TS
Sample Matrix			Water	Water	Water	Trip Spike (liquid)
Eurofins Sample No.			S25-Ap0029465	S25-Ap0029466	S25-Ap0029467	S25-Ap0029468
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Volatile Organics						
Dibromochloromethane	0.001	mg/L	< 0.001	< 0.001	-	-
Dibromomethane	0.001	mg/L	< 0.001	< 0.001	-	-
Dichlorodifluoromethane	0.005	mg/L	< 0.005	< 0.005	-	-
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	-	-
Iodomethane	0.001	mg/L	< 0.001	< 0.001	-	-
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001	< 0.001	-	-
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	-	-
Methylene Chloride	0.005	mg/L	< 0.005	< 0.005	-	-
o-Xylene	0.001	mg/L	< 0.001	< 0.001	-	-
Styrene	0.001	mg/L	< 0.001	< 0.001	-	-
Tetrachloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
Toluene	0.001	mg/L	< 0.001	< 0.001	-	-
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001	< 0.001	-	-
Trichloroethene	0.001	mg/L	< 0.001	< 0.001	-	-
Trichlorofluoromethane	0.005	mg/L	< 0.005	< 0.005	-	-
Vinyl chloride	0.005	mg/L	< 0.005	< 0.005	-	-
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	-	-
Total MAH*	0.003	mg/L	< 0.003	< 0.003	-	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	0.013	0.008	-	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	0.013	0.008	-	-
4-Bromofluorobenzene (surr.)	1	%	104	101	-	-
Toluene-d8 (surr.)	1	%	97	95	-	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene[N02]	0.01	mg/L	< 0.01	< 0.01	-	-
Polycyclic Aromatic Hydrocarbons (Trace level)						
Acenaphthene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Acenaphthylene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Anthracene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Benz(a)anthracene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Benzo(a)pyrene - low level	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Benzo(b&j)fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Benzo(g.h.i)perylene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Benzo(k)fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Chrysene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Dibenz(a.h)anthracene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Fluoranthene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Fluorene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Indeno(1.2.3-cd)pyrene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Naphthalene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Phenanthrene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Pyrene	0.00001	mg/L	< 0.00001	< 0.00001	-	-
Total PAH*	0.00001	mg/L	< 0.00001	< 0.00001	-	-
2-Fluorobiphenyl (surr.)	1	%	120	130	-	-
p-Terphenyl-d14 (surr.)	1	%	130	50	-	-
Conductivity (at 25 °C)	10	uS/cm	430	440	-	-
pH (at 25 °C)	0.1	pH Units	6.6	6.5	-	-
Hardness mg equivalent CaCO3/L	1	mg/L	130	78	-	-

Client Sample ID			MW124	QC_20250407	FB	TS
Sample Matrix			Water	Water	Water	Trip Spike (liquid)
Eurofins Sample No.			S25-Ap0029465	S25-Ap0029466	S25-Ap0029467	S25-Ap0029468
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Alkali Metals						
Calcium	0.5	mg/L	42	24	-	-
Magnesium	0.5	mg/L	6.2	4.5	-	-
Heavy Metals						
Arsenic (filtered)	0.001	mg/L	< 0.001	< 0.001	-	-
Cadmium (filtered)	0.0002	mg/L	< 0.0002	< 0.0002	-	-
Chromium (filtered)	0.001	mg/L	< 0.001	< 0.001	-	-
Copper (filtered)	0.001	mg/L	0.001	< 0.001	-	-
Lead (filtered)	0.001	mg/L	< 0.001	< 0.001	-	-
Mercury (filtered)	0.0001	mg/L	< 0.0001	< 0.0001	-	-
Nickel (filtered)	0.001	mg/L	0.032	0.043	-	-
Zinc (filtered)	0.005	mg/L	0.006	0.015	-	-
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace						
Perfluorobutanoic acid (PFBA)[N11]	0.005	ug/L	0.016	< 0.005	< 0.005	-
Perfluorodecanoic acid (PFDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorododecanoic acid (PFDoDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoroheptanoic acid (PFHpA)[N11]	0.001	ug/L	0.010	< 0.001	< 0.001	-
Perfluorohexanoic acid (PFHxA)[N11]	0.001	ug/L	0.024	0.002	< 0.001	-
Perfluorononanoic acid (PFNA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorooctanoic acid (PFOA)[N11]	0.001	ug/L	0.017	0.001	< 0.001	-
Perfluoropentanoic acid (PFPeA)[N11]	0.001	ug/L	0.026	0.009	< 0.001	-
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorotridecanoic acid (PFTrDA)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoroundecanoic acid (PFUnDA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
13C4-PFBA (surr.)	1	%	113	89	111	-
13C5-PFPeA (surr.)	1	%	94	88	128	-
13C5-PFHxA (surr.)	1	%	121	116	131	-
13C4-PFHpA (surr.)	1	%	130	119	139	-
13C8-PFOA (surr.)	1	%	133	131	159	-
13C5-PFNA (surr.)	1	%	126	129	148	-
13C6-PFDA (surr.)	1	%	119	122	130	-
13C2-PFUnDA (surr.)	1	%	104	123	111	-
13C2-PFDoDA (surr.)	1	%	80	123	94	-
13C2-PFTeDA (surr.)	1	%	48	154	51	-
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace						
Perfluorobutanesulfonic acid (PFBS)[N11]	0.001	ug/L	0.033	< 0.001	< 0.001	-
Perfluorononanesulfonic acid (PFNS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.001	ug/L	0.011	0.003	< 0.001	-
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
Perfluorooctanesulfonic acid (PFOS)[N11]	0.0001	ug/L	0.013	0.015	< 0.0001	-
Perfluorodecanesulfonic acid (PFDS)[N15]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
13C3-PFBS (surr.)	1	%	127	139	134	-
18O2-PFHxS (surr.)	1	%	125	122	124	-
13C8-PFOS (surr.)	1	%	119	106	119	-

Client Sample ID			MW124	QC_20250407	FB	TS
Sample Matrix			Water	Water	Water	Trip Spike (liquid)
Eurofins Sample No.			S25-Ap0029465	S25-Ap0029466	S25-Ap0029467	S25-Ap0029468
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances- Ultra Trace						
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
Perfluorooctane sulfonamide (FOSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
13C8-FOSA (surr.)	1	%	62	109	89	-
D3-N-MeFOSA (surr.)	1	%	58	117	78	-
D5-N-EtFOSA (surr.)	1	%	40	94	45	-
D7-N-MeFOSE (surr.)	1	%	62	79	64	-
D9-N-EtFOSE (surr.)	1	%	52	83	57	-
D5-N-EtFOSAA (surr.)	1	%	84	144	139	-
D3-N-MeFOSAA (surr.)	1	%	88	141	145	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.005	ug/L	< 0.005	< 0.005	< 0.005	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.001	ug/L	< 0.001	< 0.001	< 0.001	-
13C2-4:2 FTSA (surr.)	1	%	180	INT	132	-
13C2-6:2 FTSA (surr.)	1	%	INT	INT	126	-
13C2-8:2 FTSA (surr.)	1	%	183	INT	134	-
13C2-10:2 FTSA (surr.)	1	%	115	163	169	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.001	ug/L	0.024	0.018	< 0.001	-
Sum of US EPA PFAS (PFOS + PFOA)*	0.001	ug/L	0.03	0.016	< 0.001	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.001	ug/L	0.041	0.019	< 0.001	-
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	0.15	0.03	< 0.005	-
Sum of PFASs (n=30)*	0.005	ug/L	0.15	0.03	< 0.005	-
BTEX						
Benzene	1	%	-	-	-	100
Ethylbenzene	1	%	-	-	-	110
m&p-Xylenes	1	%	-	-	-	100
o-Xylene	1	%	-	-	-	100
Toluene	1	%	-	-	-	100
Xylenes - Total	1	%	-	-	-	100
4-Bromofluorobenzene (surr.)	1	%	-	-	-	93

Client Sample ID			TB	MW111	RINSATE
Sample Matrix			Trip Blank (liquid)	Water	Water
Eurofins Sample No.			S25-Ap0029469	S25-Ap0029501	S25-Ap0029502
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons					
TRH C6-C9	0.02	mg/L	-	< 0.02	-
TRH C10-C14	0.05	mg/L	-	< 0.05	-
TRH C15-C28	0.1	mg/L	-	< 0.1	-
TRH C29-C36	0.1	mg/L	-	< 0.1	-
TRH C10-C36 (Total)	0.1	mg/L	-	< 0.1	-
TRH C6-C10	0.02	mg/L	-	< 0.02	-
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	-	< 0.02	-
TRH >C10-C16	0.05	mg/L	-	< 0.05	-
TRH >C10-C16 less Naphthalene (F2)*[N01]	0.05	mg/L	-	< 0.05	-
TRH >C16-C34	0.1	mg/L	-	< 0.1	-
TRH >C34-C40	0.1	mg/L	-	< 0.1	-
TRH >C10-C40 (total)*	0.1	mg/L	-	< 0.1	-
Volatile Organics					
1.1-Dichloroethane	0.001	mg/L	-	< 0.001	-
1.1-Dichloroethene	0.001	mg/L	-	< 0.001	-
1.1.1-Trichloroethane	0.001	mg/L	-	< 0.001	-
1.1.1.2-Tetrachloroethane	0.001	mg/L	-	< 0.001	-
1.1.2-Trichloroethane	0.001	mg/L	-	< 0.001	-
1.1.2.2-Tetrachloroethane	0.001	mg/L	-	< 0.001	-
1.2-Dibromoethane	0.001	mg/L	-	< 0.001	-
1.2-Dichlorobenzene	0.001	mg/L	-	< 0.001	-
1.2-Dichloroethane	0.001	mg/L	-	< 0.001	-
1.2-Dichloropropane	0.001	mg/L	-	< 0.001	-
1.2.3-Trichloropropane	0.001	mg/L	-	< 0.001	-
1.2.4-Trimethylbenzene	0.001	mg/L	-	< 0.001	-
1.3-Dichlorobenzene	0.001	mg/L	-	< 0.001	-
1.3-Dichloropropane	0.001	mg/L	-	< 0.001	-
1.3.5-Trimethylbenzene	0.001	mg/L	-	< 0.001	-
1.4-Dichlorobenzene	0.001	mg/L	-	< 0.001	-
2-Butanone (MEK)	0.005	mg/L	-	< 0.005	-
2-Propanone (Acetone)	0.005	mg/L	-	< 0.005	-
4-Chlorotoluene	0.001	mg/L	-	< 0.001	-
4-Methyl-2-pentanone (MIBK)	0.005	mg/L	-	< 0.005	-
Allyl chloride	0.001	mg/L	-	< 0.001	-
Benzene	0.001	mg/L	-	< 0.001	-
Bromobenzene	0.001	mg/L	-	< 0.001	-
Bromochloromethane	0.001	mg/L	-	< 0.001	-
Bromodichloromethane	0.001	mg/L	-	0.001	-
Bromoform	0.001	mg/L	-	< 0.001	-
Bromomethane	0.005	mg/L	-	< 0.005	-
Carbon disulfide	0.001	mg/L	-	< 0.001	-
Carbon Tetrachloride	0.001	mg/L	-	< 0.001	-
Chlorobenzene	0.001	mg/L	-	< 0.001	-
Chloroethane	0.005	mg/L	-	< 0.005	-
Chloroform	0.005	mg/L	-	0.007	-
Chloromethane	0.005	mg/L	-	< 0.005	-
cis-1.2-Dichloroethene	0.001	mg/L	-	< 0.001	-
cis-1.3-Dichloropropene	0.001	mg/L	-	< 0.001	-

Client Sample ID			TB	MW111	RINSATE
Sample Matrix			Trip Blank (liquid)	Water	Water
Eurofins Sample No.			S25-Ap0029469	S25-Ap0029501	S25-Ap0029502
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit			
Volatile Organics					
Dibromochloromethane	0.001	mg/L	-	< 0.001	-
Dibromomethane	0.001	mg/L	-	< 0.001	-
Dichlorodifluoromethane	0.005	mg/L	-	< 0.005	-
Ethylbenzene	0.001	mg/L	-	< 0.001	-
Iodomethane	0.001	mg/L	-	< 0.001	-
Isopropyl benzene (Cumene)	0.001	mg/L	-	< 0.001	-
m&p-Xylenes	0.002	mg/L	-	< 0.002	-
Methylene Chloride	0.005	mg/L	-	< 0.005	-
o-Xylene	0.001	mg/L	-	< 0.001	-
Styrene	0.001	mg/L	-	< 0.001	-
Tetrachloroethene	0.001	mg/L	-	< 0.001	-
Toluene	0.001	mg/L	-	< 0.001	-
trans-1.2-Dichloroethene	0.001	mg/L	-	< 0.001	-
trans-1.3-Dichloropropene	0.001	mg/L	-	< 0.001	-
Trichloroethene	0.001	mg/L	-	< 0.001	-
Trichlorofluoromethane	0.005	mg/L	-	< 0.005	-
Vinyl chloride	0.005	mg/L	-	< 0.005	-
Xylenes - Total*	0.003	mg/L	-	< 0.003	-
Total MAH*	0.003	mg/L	-	< 0.003	-
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	-	0.007	-
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	-	0.007	-
4-Bromofluorobenzene (surr.)	1	%	-	98	-
Toluene-d8 (surr.)	1	%	-	94	-
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
Naphthalene[N02]	0.01	mg/L	-	< 0.01	-
Polycyclic Aromatic Hydrocarbons (Trace level)					
Acenaphthene	0.00001	mg/L	-	< 0.00001	-
Acenaphthylene	0.00001	mg/L	-	< 0.00001	-
Anthracene	0.00001	mg/L	-	< 0.00001	-
Benz(a)anthracene	0.00001	mg/L	-	< 0.00001	-
Benzo(a)pyrene - low level	0.00001	mg/L	-	< 0.00001	-
Benzo(b&j)fluoranthene	0.00001	mg/L	-	< 0.00001	-
Benzo(g.h.i)perylene	0.00001	mg/L	-	< 0.00001	-
Benzo(k)fluoranthene	0.00001	mg/L	-	< 0.00001	-
Chrysene	0.00001	mg/L	-	< 0.00001	-
Dibenz(a.h)anthracene	0.00001	mg/L	-	< 0.00001	-
Fluoranthene	0.00001	mg/L	-	< 0.00001	-
Fluorene	0.00001	mg/L	-	< 0.00001	-
Indeno(1.2.3-cd)pyrene	0.00001	mg/L	-	< 0.00001	-
Naphthalene	0.00001	mg/L	-	< 0.00001	-
Phenanthrene	0.00001	mg/L	-	< 0.00001	-
Pyrene	0.00001	mg/L	-	< 0.00001	-
Total PAH*	0.00001	mg/L	-	< 0.00001	-
2-Fluorobiphenyl (surr.)	1	%	-	120	-
p-Terphenyl-d14 (surr.)	1	%	-	140	-
Conductivity (at 25 °C)	10	uS/cm	-	430	-
pH (at 25 °C)	0.1	pH Units	-	6.3	-
Hardness mg equivalent CaCO3/L	1	mg/L	-	65	-

Client Sample ID			TB	MW111	RINSATE
Sample Matrix			Trip Blank (liquid)	Water	Water
Eurofins Sample No.			S25-Ap0029469	S25-Ap0029501	S25-Ap0029502
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit			
Alkali Metals					
Calcium	0.5	mg/L	-	16	-
Magnesium	0.5	mg/L	-	6.2	-
Heavy Metals					
Arsenic (filtered)	0.001	mg/L	-	< 0.001	< 0.001
Cadmium (filtered)	0.0002	mg/L	-	0.0002	< 0.0002
Chromium (filtered)	0.001	mg/L	-	< 0.001	< 0.001
Copper (filtered)	0.001	mg/L	-	0.001	< 0.001
Lead (filtered)	0.001	mg/L	-	< 0.001	< 0.001
Mercury (filtered)	0.0001	mg/L	-	< 0.0001	< 0.0001
Nickel (filtered)	0.001	mg/L	-	0.022	< 0.001
Zinc (filtered)	0.005	mg/L	-	0.044	< 0.005
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace					
Perfluorobutanoic acid (PFBA)[N11]	0.005	ug/L	-	< 0.005	< 0.005
Perfluorodecanoic acid (PFDA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
Perfluorododecanoic acid (PFDoDA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
Perfluoroheptanoic acid (PFHpA)[N11]	0.001	ug/L	-	0.001	< 0.001
Perfluorohexanoic acid (PFHxA)[N11]	0.001	ug/L	-	0.003	< 0.001
Perfluorononanoic acid (PFNA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
Perfluorooctanoic acid (PFOA)[N11]	0.001	ug/L	-	0.002	< 0.001
Perfluoropentanoic acid (PFPeA)[N11]	0.001	ug/L	-	0.002	< 0.001
Perfluorotetradecanoic acid (PFTeDA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
Perfluorotridecanoic acid (PFTrDA)[N15]	0.001	ug/L	-	< 0.001	< 0.001
Perfluoroundecanoic acid (PFUnDA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
13C4-PFBA (surr.)	1	%	-	106	117
13C5-PFPeA (surr.)	1	%	-	103	140
13C5-PFHxA (surr.)	1	%	-	119	119
13C4-PFHpA (surr.)	1	%	-	126	123
13C8-PFOA (surr.)	1	%	-	149	118
13C5-PFNA (surr.)	1	%	-	129	113
13C6-PFDA (surr.)	1	%	-	112	127
13C2-PFUnDA (surr.)	1	%	-	103	117
13C2-PFDoDA (surr.)	1	%	-	112	113
13C2-PFTeDA (surr.)	1	%	-	105	114
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace					
Perfluorobutanesulfonic acid (PFBS)[N11]	0.001	ug/L	-	0.001	< 0.001
Perfluorononanesulfonic acid (PFNS)[N15]	0.001	ug/L	-	< 0.001	< 0.001
Perfluoropropanesulfonic acid (PFPrS)[N15]	0.001	ug/L	-	< 0.001	< 0.001
Perfluoropentanesulfonic acid (PFPeS)[N15]	0.001	ug/L	-	< 0.001	< 0.001
Perfluorohexanesulfonic acid (PFHxS)[N11]	0.001	ug/L	-	0.003	< 0.001
Perfluoroheptanesulfonic acid (PFHpS)[N15]	0.001	ug/L	-	< 0.001	< 0.001
Perfluorooctanesulfonic acid (PFOS)[N11]	0.0001	ug/L	-	0.0079	< 0.0001
Perfluorodecanesulfonic acid (PFDS)[N15]	0.001	ug/L	-	< 0.001	< 0.001
13C3-PFBS (surr.)	1	%	-	139	126
18O2-PFHxS (surr.)	1	%	-	125	120
13C8-PFOS (surr.)	1	%	-	81	124

Client Sample ID			TB	MW111	RINSATE
Sample Matrix			Trip Blank (liquid)	Water	Water
Eurofins Sample No.			S25-Ap0029469	S25-Ap0029501	S25-Ap0029502
Date Sampled			Apr 08, 2025	Apr 08, 2025	Apr 08, 2025
Test/Reference	LOR	Unit			
Perfluoroalkyl sulfonamido substances- Ultra Trace					
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)[N11]	0.005	ug/L	-	< 0.005	< 0.005
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)[N11]	0.005	ug/L	-	< 0.005	< 0.005
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)[N11]	0.005	ug/L	-	< 0.005	< 0.005
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)[N11]	0.005	ug/L	-	< 0.005	< 0.005
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)[N11]	0.005	ug/L	-	< 0.005	< 0.005
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)[N11]	0.005	ug/L	-	< 0.005	< 0.005
Perfluorooctane sulfonamide (FOSA)[N11]	0.005	ug/L	-	< 0.005	< 0.005
13C8-FOSA (surr.)	1	%	-	90	92
D3-N-MeFOSA (surr.)	1	%	-	87	110
D5-N-EtFOSA (surr.)	1	%	-	58	68
D7-N-MeFOSE (surr.)	1	%	-	77	75
D9-N-EtFOSE (surr.)	1	%	-	69	75
D5-N-EtFOSAA (surr.)	1	%	-	113	137
D3-N-MeFOSAA (surr.)	1	%	-	82	116
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)[N11]	0.005	ug/L	-	< 0.005	< 0.005
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)[N11]	0.001	ug/L	-	< 0.001	< 0.001
13C2-4:2 FTSA (surr.)	1	%	-	152	124
13C2-6:2 FTSA (surr.)	1	%	-	199	97
13C2-8:2 FTSA (surr.)	1	%	-	145	102
13C2-10:2 FTSA (surr.)	1	%	-	169	126
PFASs Summations					
Sum (PFHxS + PFOS)*	0.001	ug/L	-	0.0109	< 0.001
Sum of US EPA PFAS (PFOS + PFOA)*	0.001	ug/L	-	0.0099	< 0.001
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.001	ug/L	-	0.0129	< 0.001
Sum of WA DWER PFAS (n=10)*	0.005	ug/L	-	0.0199	< 0.005
Sum of PFASs (n=30)*	0.005	ug/L	-	0.0199	< 0.005
BTEX					
Benzene	0.001	mg/L	< 0.001	-	-
Toluene	0.001	mg/L	< 0.001	-	-
Ethylbenzene	0.001	mg/L	< 0.001	-	-
m&p-Xylenes	0.002	mg/L	< 0.002	-	-
o-Xylene	0.001	mg/L	< 0.001	-	-
Xylenes - Total*	0.003	mg/L	< 0.003	-	-
4-Bromofluorobenzene (surr.)	1	%	88	-	-

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Apr 15, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Apr 15, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Apr 15, 2025	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Volatile Organics	Sydney	Apr 10, 2025	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Polycyclic Aromatic Hydrocarbons (Trace level)	Melbourne	Apr 11, 2025	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water (trace)			
Conductivity (at 25 °C)	Sydney	Apr 15, 2025	28 Days
- Method: LTM-INO-4030 Conductivity			
pH (at 25 °C)	Sydney	Apr 15, 2025	6 Hours
- Method: LTM-GEN-7090 pH in water by ISE			
Metals M8 filtered	Sydney	Apr 10, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
BTEX	Sydney	Apr 10, 2025	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Hardness Set			
Hardness mg equivalent CaCO3/L	Sydney	Apr 15, 2025	28 Days
- Method: LTM-MET-3040 Hardness by Calculation			
Alkali Metals	Sydney	Apr 15, 2025	180 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace	Sydney	Apr 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace	Sydney	Apr 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			
Perfluoroalkyl sulfonamido substances- Ultra Trace	Sydney	Apr 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) Ultra trace			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace	Sydney	Apr 15, 2025	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			
PFASs Summations	Sydney	Apr 15, 2025	
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - ultra trace			

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+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name:
Project ID: 68063

Order No.:
Report #: 1208047
Phone: 02 8245 0300
Fax:

Received: Apr 9, 2025 2:51 PM
Due: Apr 16, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Conductivity (at 25 °C)	pH (at 25 °C)	Metals M8 filtered	BTEX	Hardness Set	Volatile Organics	Total Recoverable Hydrocarbons	BTEX	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Polycyclic Aromatic Hydrocarbons (Trace level)
Melbourne Laboratory - NATA # 1261 Site # 1254															X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	
External Laboratory															
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**										
1	MW01	Apr 08, 2025		Water	S25-Ap0029457	X	X	X		X	X	X		X	X
2	MW02	Apr 08, 2025		Water	S25-Ap0029458	X	X	X		X	X	X		X	X
3	MW04	Apr 08, 2025		Water	S25-Ap0029459	X	X	X		X	X	X		X	X
4	MW105	Apr 08, 2025		Water	S25-Ap0029460	X	X	X		X	X	X		X	X
5	MW108	Apr 08, 2025		Water	S25-Ap0029461	X	X	X		X	X	X		X	X
6	MW110	Apr 08, 2025		Water	S25-Ap0029462	X	X	X		X	X	X		X	X
7	MW115	Apr 08, 2025		Water	S25-Ap0029463	X	X	X		X	X	X		X	X
8	MW121	Apr 08, 2025		Water	S25-Ap0029464	X	X	X		X	X	X		X	X
9	MW124	Apr 08, 2025		Water	S25-Ap0029465	X	X	X		X	X	X		X	X
10	QC_20250407	Apr 08, 2025		Water	S25-Ap0029466	X	X	X		X	X	X		X	X
11	FB	Apr 08, 2025		Water	S25-Ap0029467									X	
12	TS	Apr 08, 2025		Trip Spike (liquid)	S25-Ap0029468								X		

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Sample Detail						Conductivity (at 25 °C)	pH (at 25 °C)	Metals M8 filtered	BTEX	Hardness Set	Volatile Organics	Total Recoverable Hydrocarbons	BTEX	Per- and Polyfluoroalkyl Substances (PFASs) - Ultra Trace	Polycyclic Aromatic Hydrocarbons (Trace level)
Melbourne Laboratory - NATA # 1261 Site # 1254															X
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X	X	X	X	X	X	
13	TB	Apr 08, 2025		Trip Blank (liquid)	S25-Ap0029469				X						
14	MW111	Apr 08, 2025		Water	S25-Ap0029501	X	X	X		X	X	X		X	X
15	RINSATE	Apr 08, 2025		Water	S25-Ap0029502			X						X	
Test Counts						11	11	12	1	11	11	11	1	13	11

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ppm:** parts per million
µg/L: micrograms per litre	**ppb:** parts per billion	**%:** Percentage
org/100 mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	**Colour:** Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Alkali Metals							
Calcium	mg/L	< 0.5			0.5	Pass	
Magnesium	mg/L	< 0.5			0.5	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.005			0.005	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.001			0.001	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.001			0.001	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.001			0.001	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.001			0.001	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.001			0.001	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.001			0.001	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.001			0.001	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.001			0.001	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/L	< 0.001			0.001	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.001			0.001	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.001			0.001	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.001			0.001	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.001			0.001	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.001			0.001	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.001			0.001	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.001			0.001	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.0001			0.0001	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.001			0.001	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances- Ultra Trace							
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.005			0.005	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.005			0.005	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.005			0.005	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.005			0.005	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.005			0.005	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.005			0.005	Pass	
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.005			0.005	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.001			0.001	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.005			0.005	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.001			0.001	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.001			0.001	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Conductivity (at 25 °C)	uS/cm	< 10			10	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons (Trace level)							
Acenaphthene	mg/L	< 0.00001			0.00001	Pass	
Acenaphthylene	mg/L	< 0.00001			0.00001	Pass	
Anthracene	mg/L	< 0.00001			0.00001	Pass	
Benz(a)anthracene	mg/L	< 0.00001			0.00001	Pass	
Benzo(a)pyrene - low level	mg/L	< 0.00001			0.00001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.00001			0.00001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.00001			0.00001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.00001			0.00001	Pass	
Chrysene	mg/L	< 0.00001			0.00001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.00001			0.00001	Pass	
Fluoranthene	mg/L	< 0.00001			0.00001	Pass	
Fluorene	mg/L	< 0.00001			0.00001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.00001			0.00001	Pass	
Naphthalene	mg/L	< 0.00001			0.00001	Pass	
Phenanthrene	mg/L	< 0.00001			0.00001	Pass	
Pyrene	mg/L	< 0.00001			0.00001	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.005			0.005	Pass	
2-Propanone (Acetone)	mg/L	< 0.005			0.005	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.005			0.005	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Benzene	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.005			0.005	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.005			0.005	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.005			0.005	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	
Dichlorodifluoromethane	mg/L	< 0.005			0.005	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
Methylene Chloride	mg/L	< 0.005			0.005	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.005			0.005	Pass	
Vinyl chloride	mg/L	< 0.005			0.005	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Heavy Metals							
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Alkali Metals							
Calcium	%	89			80-120	Pass	
Magnesium	%	95			80-120	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs) - Ultra Trace							
Perfluorobutanoic acid (PFBA)	%	106			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	99			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	109			50-150	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoroheptanoic acid (PFHpA)	%	128			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	106			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	93			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	102			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	96			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	102			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	%	114			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	106			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSAs)- Ultra Trace							
Perfluorobutanesulfonic acid (PFBS)	%	115			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	86			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	86			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	86			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	115			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	96			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	96			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	77			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances- Ultra Trace							
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	96			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	96			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	115			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	112			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	102			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	83			50-150	Pass	
Perfluorooctane sulfonamide (FOSA)	%	86			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Ultra Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	96			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	%	134			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	%	109			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	%	102			50-150	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	96			70-130	Pass	
TRH >C10-C16	%	89			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	71			70-130	Pass	
TRH >C10-C16	%	71			70-130	Pass	
LCS - % Recovery							
Conductivity (at 25 °C)	%	95			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	110			70-130	Pass	
1.1.1-Trichloroethane	%	98			70-130	Pass	
1.2-Dichlorobenzene	%	100			70-130	Pass	
1.2-Dichloroethane	%	103			70-130	Pass	
Benzene	%	107			70-130	Pass	
Ethylbenzene	%	100			70-130	Pass	
m&p-Xylenes	%	103			70-130	Pass	
o-Xylene	%	108			70-130	Pass	
Toluene	%	96			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Trichloroethene			%	112			70-130	Pass	
Xylenes - Total*			%	104			70-130	Pass	
LCS - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions									
Naphthalene			%	103			70-130	Pass	
LCS - % Recovery									
Total Recoverable Hydrocarbons									
TRH C6-C9			%	94			70-130	Pass	
TRH C6-C10			%	92			70-130	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic (filtered)			%	96			80-120	Pass	
Cadmium (filtered)			%	93			80-120	Pass	
Chromium (filtered)			%	97			80-120	Pass	
Copper (filtered)			%	98			80-120	Pass	
Lead (filtered)			%	96			80-120	Pass	
Mercury (filtered)			%	101			80-120	Pass	
Nickel (filtered)			%	98			80-120	Pass	
Zinc (filtered)			%	98			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	S25-Ap0004508	NCP	%	79			70-130	Pass	
TRH >C10-C16	S25-Ap0004508	NCP	%	73			70-130	Pass	
Spike - % Recovery									
Alkali Metals				Result 1					
Calcium	S25-Ap0025325	NCP	%	90			75-125	Pass	
Magnesium	S25-Ap0025325	NCP	%	96			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic (filtered)	S25-Ap0029501	CP	%	103			75-125	Pass	
Cadmium (filtered)	S25-Ap0029501	CP	%	98			75-125	Pass	
Chromium (filtered)	S25-Ap0029501	CP	%	99			75-125	Pass	
Copper (filtered)	S25-Ap0029501	CP	%	99			75-125	Pass	
Lead (filtered)	S25-Ap0029501	CP	%	97			75-125	Pass	
Mercury (filtered)	S25-Ap0029501	CP	%	103			75-125	Pass	
Nickel (filtered)	S25-Ap0029501	CP	%	96			75-125	Pass	
Zinc (filtered)	S25-Ap0029501	CP	%	96			75-125	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C10-C14	S25-Ap0004507	NCP	mg/L	0.90	0.91	1.0	30%	Pass	
TRH C15-C28	S25-Ap0004507	NCP	mg/L	0.8	0.6	32	30%	Fail	Q15
TRH C29-C36	S25-Ap0004507	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C10-C16	S25-Ap0004507	NCP	mg/L	0.86	0.79	8.0	30%	Pass	
TRH >C16-C34	S25-Ap0004507	NCP	mg/L	0.7	0.5	26	30%	Pass	
TRH >C34-C40	S25-Ap0004507	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1-Dichloroethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1-Dichloroethene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1-Trichloroethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.1.2-Tetrachloroethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
1.1.2-Trichloroethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.1.2.2-Tetrachloroethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dibromoethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichlorobenzene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloroethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2-Dichloropropane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.3-Trichloropropane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.2.4-Trimethylbenzene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichlorobenzene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3-Dichloropropane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.3.5-Trimethylbenzene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
1.4-Dichlorobenzene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
2-Butanone (MEK)	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
2-Propanone (Acetone)	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
4-Chlorotoluene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Allyl chloride	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromobenzene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromochloromethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromodichloromethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromoform	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Bromomethane	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Carbon disulfide	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Carbon Tetrachloride	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chlorobenzene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chloroethane	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloroform	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chloromethane	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
cis-1.2-Dichloroethene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
cis-1.3-Dichloropropene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromochloromethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibromomethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dichlorodifluoromethane	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Iodomethane	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Isopropyl benzene (Cumene)	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Methylene Chloride	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Styrene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Tetrachloroethene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.2-Dichloroethene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
trans-1.3-Dichloropropene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichloroethene	S25-Ap0025817	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Trichlorofluoromethane	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Vinyl chloride	S25-Ap0025817	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S25-Ap0025817	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons (Trace level)				Result 1	Result 2	RPD			
Acenaphthene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Acenaphthylene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Anthracene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Benz(a)anthracene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Benzo(a)pyrene - low level	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Benzo(b&j)fluoranthene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	

Duplicate									
Polycyclic Aromatic Hydrocarbons (Trace level)				Result 1	Result 2	RPD			
Benzo(g.h.i)perylene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Benzo(k)fluoranthene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Chrysene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Dibenz(a.h)anthracene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Fluoranthene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Fluorene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Naphthalene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Phenanthrene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Pyrene	M25-Ap0030617	NCP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Hardness mg equivalent CaCO3/L	S25-Ap0029457	CP	mg/L	240	240	3.0	30%	Pass	
Duplicate									
Alkali Metals				Result 1	Result 2	RPD			
Calcium	S25-Ap0029457	CP	mg/L	25	26	4.0	30%	Pass	
Magnesium	S25-Ap0029457	CP	mg/L	42	43	2.0	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (at 25 °C)	S25-Ap0029462	CP	uS/cm	460	480	2.9	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Conductivity (at 25 °C)	S25-Ap0029464	CP	uS/cm	310	310	1.7	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic (filtered)	S25-Ap0029465	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium (filtered)	S25-Ap0029465	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium (filtered)	S25-Ap0029465	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper (filtered)	S25-Ap0029465	CP	mg/L	0.001	< 0.001	34	30%	Fail	Q15
Lead (filtered)	S25-Ap0029465	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury (filtered)	S25-Ap0029465	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel (filtered)	S25-Ap0029465	CP	mg/L	0.032	0.032	1.0	30%	Pass	
Zinc (filtered)	S25-Ap0029465	CP	mg/L	0.006	< 0.005	22	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	S25-Ap0029469	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	S25-Ap0029469	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Duplicate									
Volatile Organics				Result 1	Result 2	RPD			
Benzene	S25-Ap0029469	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	S25-Ap0029469	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	S25-Ap0029469	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	S25-Ap0029469	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	S25-Ap0029469	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	S25-Ap0029469	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic (filtered)	S25-Ap0029502	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium (filtered)	S25-Ap0029502	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium (filtered)	S25-Ap0029502	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper (filtered)	S25-Ap0029502	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead (filtered)	S25-Ap0029502	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury (filtered)	S25-Ap0029502	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel (filtered)	S25-Ap0029502	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Zinc (filtered)	S25-Ap0029502	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Andrew Black	Analytical Services Manager
Edward Lee	Senior Analyst-Organic
Mickael Ros	Senior Analyst-Metal
Raymond Siu	Senior Analyst-Volatile
Roopesh Rangarajan	Senior Analyst-Organic
Roopesh Rangarajan	Senior Analyst-PFAS
Ryan Phillips	Senior Analyst-Inorganic

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

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Outlook

RE: Eurofins Test Results - Report 1200931 : Site WATERLOO SOUTH (68063)

From Daniel Saeed <dsaeed@jbsg.com.au>
Date Thu 10/04/2025 4:27 PM
To Andrew Black <Andrew.Black@eurofinsanz.com>
Cc Eliza Fonti <efonti@jbsg.com.au>

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Yes please,

Please make sure that where there was no metals or PAHs originally reported that Leachate concentrations are not report.

TCLP and ASLP as follows

JBH06_0.4-0.5 Heavy Metals and PAHs
JBH04_0.2-0.3 PAHs
JBH05_0-0.1 PAHs
JBH25_0.2-0.3 Metals
JBH26_0.2-0.3 Metals and PAHs
20250320QC_02 Metals and PAHs
JBH25_0.2-0.3. Metals

Let me know if there are any issues.

Thanks,

Dan

Daniel Saeed | Environmental Consultant | JBS&G
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0452 392 909 | E: dsaeed@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Andrew Black <Andrew.Black@eurofinsanz.com>
Sent: Thursday, 10 April 2025 4:14 PM
To: Daniel Saeed <dsaeed@jbsg.com.au>
Cc: Eliza Fonti <efonti@jbsg.com.au>
Subject: RE: Eurofins Test Results - Report 1200931 : Site WATERLOO SOUTH (68063)

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

So let me get this straight Dan you want both ASLP and TCLP for metals and PAHs on those listed samples from this report?

Andrew Black
Analytical Services Manager

Eurofins | Environment Testing Australia Pty Ltd
1 / 2 Frost Drive
Mayfield West, NSW, 2304

Phone: +61 2 9900 8490
Mobile: +61 410 220 750
Email: Andrew.Black@eurofinsanz.com
Website: eurofins.com.au/environmental-testing
https://www.eurofins-estore.com.au/

Please note my work hours are 8:30am-5:30pm, anything outside of that I will get to the next day. Contact evening shift ASM for anything urgent.

This e-mail including its attachments may contain confidential and proprietary information. Any unauthorized disclosure or use of this e-mail including its attachments is prohibited and may be prosecuted. If you are not the intended recipient, please inform the sender by an e-mail reply and delete the message.
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From: Daniel Saeed <dsaeed@jbsg.com.au>
Sent: Thursday, 10 April 2025 4:11 PM
To: Andrew Black <Andrew.Black@eurofinsanz.com>
Cc: Eliza Fonti <efonti@jbsg.com.au>
Subject: RE: Eurofins Test Results - Report 1200931 : Site WATERLOO SOUTH (68063)

> **Unverified Sender:** The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi Andrew,

Can I please request the following analysis on standard TAT.

TCLP metals and PAHs (as applicable – e.g. please do not report TCLP PAH if no PAH reported) for JBH06_0.4-0.5, JBH09_0.4-0.5, JBH04_0.2-0.3, JBH05_0-0.1, JBH25_0.2-0.3, JBH26_0.2-0.3, 20250320QC_02, JBH25_0.2-0.3.

Can I also get ASLP analysis scheduled on same samples?

Thanks,
Dan

Daniel Saeed | Environmental Consultant | JBS&G
Gadigal Country | Level 8, 179 Elizabeth Street, Sydney, NSW
T: 02 8245 0300 | M: 0452 392 909 | E: dsaeed@jbsg.com.au | W: jbsg.com.au | L: Conditions and Limitations

Exceptional Outcomes

From: Andrew Black <EET-ELVIS@eurofinsanz.com>
Sent: Tuesday, 8 April 2025 8:32 PM
To: Daniel Saeed <dsaeed@jbsg.com.au>
Cc: Eliza Fonti <efonti@jbsg.com.au>
Subject: Eurofins Test Results - Report 1200931 : Site WATERLOO SOUTH (68063)

[EXTERNAL EMAIL]** Stop and think before opening attachments, clicking or responding.

Kindest Regards,

Andrew Black

Analytical Services Manager

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AUSTRALIA
Phone: +61 299 008 490
Mobile: +61 410 220 750
Email: [mailtoAndrewBlack@eurofins.com]Andrew.Black@eurofinsanz.com
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View our latest EnviroNotes

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Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

Eurofins ARL Pty Ltd

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NATA# 2377
Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd

NZBN: 9429046024954

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Penrose	Mount Wellington	Rolleston	Gate Pa
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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Sample Receipt Advice

Company name: JBS & G Australia (NSW) P/L
Contact name: Daniel Saeed
Project name: Additional: WATERLOO SOUTH
Project ID: 68063
Turnaround time: 5 Day
Date/Time received Apr 10, 2025 4:29 PM
Eurofins reference 1208398

Sample Information

✓	A detailed list of analytes logged into our LIMS, is included in the attached summary table.
✓	Sample Temperature of chilled sample on the batch as recorded by Eurofins Sample Receipt : 5.6 degrees Celsius.
✓	All samples have been received as described on the above COC.
✓	COC has been completed correctly.
✓	Attempt to chill was evident.
✓	Appropriately preserved sample containers have been used.
✓	All samples were received in good condition.
✓	Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
✓	Appropriate sample containers have been used.
✓	Sample containers for volatile analysis received with zero headspace.
X	Split sample sent to requested external lab.
X	Some samples have been subcontracted.
N/A	Custody Seals intact (if used).

Notes

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Andrew Black on phone : (+61) 2 9900 8490 or by email: Andrew.Black@eurofinsanz.com

Results will be delivered electronically via email to Daniel Saeed - dsaeed@jbsg.com.au.

Global Leader - Results you can trust

eurofins

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
6 Monterey Road	19/8 Lewalan Street	179 Magowar Road	Unit 1,2 Dacre Street	1/21 Smallwood Place	1/2 Frost Drive
Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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+64 9 526 4551	+64 9 525 0568	+64 3 343 5201	+64 9 525 0568
IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: Additional: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1208398
Phone: 02 8245 0300
Fax:

Received: Apr 10, 2025 4:29 PM
Due: Apr 17, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Polycyclic Aromatic Hydrocarbons	AUS Leaching Procedure	USA Leaching Procedure	Metals M8
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X
External Laboratory									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**				
1	JBH06_0.4-0.5	Mar 19, 2025		US Leachate	S25-Ap0032129	X		X	X
2	JBH05_0-0.1	Mar 19, 2025		US Leachate	S25-Ap0032131	X		X	
3	JBH25_0.2-0.3	Mar 19, 2025		US Leachate	S25-Ap0032132			X	X
4	JBH26_0.2-0.3	Mar 19, 2025		US Leachate	S25-Ap0032133	X		X	X
5	20250320QC_02	Mar 19, 2025		US Leachate	S25-Ap0032134	X		X	X
6	AUS Leachate JBH06_0.4-0.5	Mar 19, 2025		AUS Leachate	S25-Ap0032135	X	X		X
7	AUS Leachate JBH05_0-0.1	Mar 19, 2025		AUS Leachate	S25-Ap0032137	X	X		
8	AUS Leachate JBH25_0.2-0.3	Mar 19, 2025		AUS Leachate	S25-Ap0032138		X		X
9	AUS Leachate JBH26_0.2-0.3	Mar 19, 2025		AUS Leachate	S25-Ap0032139	X	X		X
10	AUS Leachate 20250320QC_	Mar 19, 2025		AUS Leachate	S25-Ap0032140	X	X		X

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web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Eurofins Environment Testing Australia Pty Ltd
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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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Site# 2370 & 2554

Eurofins Environment Testing NZ Ltd
NZBN: 9429046024954

Auckland	Auckland (Focus)	Christchurch	Tauranga
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Penrose	Mount Wellington	Rolleston	Gate Pa
Auckland 1061	Auckland 1061	Christchurch 7675	Tauranga 3112
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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: Additional: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1208398
Phone: 02 8245 0300
Fax:

Received: Apr 10, 2025 4:29 PM
Due: Apr 17, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Polycyclic Aromatic Hydrocarbons	AUS Leaching Procedure	USA Leaching Procedure	Metals M8
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X
	02								
11	JBH04_0.2-0.3	Mar 19, 2025		US Leachate	S25-Ap0032141	X		X	
12	JBH04_0.2-0.3	Mar 19, 2025		AUS Leachate	S25-Ap0032142	X	X		
Test Counts						10	6	6	8

JBS & G Australia (NSW) P/L
Level 8, 179 Elizabeth St
Sydney
NSW 2000

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration, inspection, proficiency testing scheme providers and reference materials producers reports and certificates.

Attention: **Daniel Saeed**

Report **1208398-L**
Project name Additional: WATERLOO SOUTH
Project ID 68063
Received Date Apr 10, 2025

Client Sample ID			**JBH06_0.4-0.5**	**JBH05_0-0.1**	**JBH25_0.2-0.3**	**JBH26_0.2-0.3**
Sample Matrix			**US Leachate**	**US Leachate**	**US Leachate**	**US Leachate**
Eurofins Sample No.			**S25-Ap0032129**	**S25-Ap0032131**	**S25-Ap0032132**	**S25-Ap0032133**
Date Sampled			**Mar 19, 2025**	**Mar 19, 2025**	**Mar 19, 2025**	**Mar 19, 2025**
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benz(a)anthracene	0.001	mg/L	0.002	< 0.001	-	< 0.001
Benzo(a)pyrene	0.001	mg/L	0.002	< 0.001	-	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	0.001	< 0.001	-	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Chrysene	0.001	mg/L	0.002	< 0.001	-	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Pyrene	0.001	mg/L	0.003	< 0.001	-	< 0.001
Total PAH*	0.001	mg/L	0.010	< 0.001	-	< 0.001
2-Fluorobiphenyl (surr.)	1	%	101	94	-	68
p-Terphenyl-d14 (surr.)	1	%	104	91	-	76
Heavy Metals						
Arsenic	0.01	mg/L	< 0.01	-	< 0.01	< 0.01
Cadmium	0.005	mg/L	< 0.005	-	2.8	0.078
Chromium	0.05	mg/L	< 0.05	-	< 0.05	< 0.05
Copper	0.05	mg/L	< 0.05	-	13	0.33
Lead	0.01	mg/L	0.61	-	1.3	1.2
Mercury	0.001	mg/L	< 0.001	-	< 0.001	< 0.001
Nickel	0.01	mg/L	0.02	-	4.7	0.18
Zinc	0.05	mg/L	0.73	-	21	11
USA Leaching Procedure						
Leachate Fluid*[C01]		comment	1.0	1.0	1.0	1.0
pH (initial)	0.1	pH Units	8.9	7.0	8.7	9.1
pH (off)*	0.1	pH Units	4.9	4.8	4.9	5.0
pH (USA HCl addition)*	0.1	pH Units	1.3	1.3	1.4	1.5

Client Sample ID			20250320QC_02	AUS Leachate JBH06_0.4-0.5	AUS Leachate JBH05_0-0.1	AUS Leachate JBH25_0.2-0.3
Sample Matrix			US Leachate	AUS Leachate	AUS Leachate	AUS Leachate
Eurofins Sample No.			S25-Ap0032134	S25-Ap0032135	S25-Ap0032137	S25-Ap0032138
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Benz(a)anthracene	0.001	mg/L	< 0.001	0.001	< 0.001	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	0.002	< 0.001	-
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	0.002	< 0.001	-
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	0.002	< 0.001	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	0.002	< 0.001	-
Chrysene	0.001	mg/L	< 0.001	0.002	< 0.001	-
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Fluoranthene	0.001	mg/L	< 0.001	0.002	< 0.001	-
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	0.001	< 0.001	-
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Pyrene	0.001	mg/L	< 0.001	0.003	< 0.001	-
Total PAH*	0.001	mg/L	< 0.001	0.017	< 0.001	-
2-Fluorobiphenyl (surr.)	1	%	79	INT	70	-
p-Terphenyl-d14 (surr.)	1	%	77	56	INT	-
Heavy Metals						
Arsenic	0.01	mg/L	0.02	< 0.01	-	< 0.01
Cadmium	0.005	mg/L	0.007	< 0.005	-	0.039
Chromium	0.05	mg/L	< 0.05	< 0.05	-	< 0.05
Copper	0.05	mg/L	< 0.05	< 0.05	-	0.31
Lead	0.01	mg/L	1.6	0.15	-	0.23
Mercury	0.001	mg/L	< 0.001	< 0.001	-	< 0.001
Nickel	0.01	mg/L	0.01	< 0.01	-	0.06
Zinc	0.05	mg/L	3.3	0.18	-	0.44
USA Leaching Procedure						
Leachate Fluid*[C01]		comment	1.0	-	-	-
pH (initial)	0.1	pH Units	7.6	-	-	-
pH (off)*	0.1	pH Units	4.7	-	-	-
pH (USA HCl addition)*	0.1	pH Units	1.4	-	-	-
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	-	4.0	4.0	4.0
pH (initial)	0.1	pH Units	-	8.9	7.9	8.7
pH (Leachate fluid)	0.1	pH Units	-	5.8	5.8	5.8
pH (off)	0.1	pH Units	-	10	8.1	8.4

Client Sample ID			AUS Leachate JBH26_0.2-0.3	AUS Leachate 20250320QC_02	JBH04_0.2-0.3	JBH04_0.2-0.3
Sample Matrix			AUS Leachate	AUS Leachate	US Leachate	AUS Leachate
Eurofins Sample No.			S25-Ap0032139	S25-Ap0032140	S25-Ap0032141	S25-Ap0032142
Date Sampled			Mar 19, 2025	Mar 19, 2025	Mar 19, 2025	Mar 19, 2025
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	101	75	107	80
p-Terphenyl-d14 (surr.)	1	%	79	INT	75	INT
Heavy Metals						
Arsenic	0.01	mg/L	< 0.01	0.03	-	-
Cadmium	0.005	mg/L	0.018	< 0.005	-	-
Chromium	0.05	mg/L	< 0.05	< 0.05	-	-
Copper	0.05	mg/L	0.37	0.11	-	-
Lead	0.01	mg/L	0.63	2.5	-	-
Mercury	0.001	mg/L	< 0.001	< 0.001	-	-
Nickel	0.01	mg/L	0.08	0.01	-	-
Zinc	0.05	mg/L	0.63	1.6	-	-
USA Leaching Procedure						
Leachate Fluid*[C01]		comment	-	-	1.0	-
pH (initial)	0.1	pH Units	-	-	8.0	-
pH (off)*	0.1	pH Units	-	-	4.8	-
pH (USA HCl addition)*	0.1	pH Units	-	-	1.4	-
AUS Leaching Procedure						
Leachate Fluid[C01]		comment	4.0	4.0	-	4.0
pH (initial)	0.1	pH Units	8.8	7.8	-	5.7
pH (Leachate fluid)	0.1	pH Units	5.8	5.8	-	5.8
pH (off)	0.1	pH Units	8.8	7.2	-	8.1

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Polycyclic Aromatic Hydrocarbons	Sydney	Apr 11, 2025	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Apr 11, 2025	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
USA Leaching Procedure	Sydney	Apr 11, 2025	14 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			
AUS Leaching Procedure	Sydney	Apr 11, 2025	7 Days
- Method: LTM-GEN-7010 Leaching Procedure for Soils & Solid Wastes			

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Eurofins Environment Testing Australia Pty Ltd
ABN: 50 005 085 521

Melbourne	Geelong	Sydney	Canberra	Brisbane	Newcastle
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Dandenong South	Grovedale	Girraween	Mitchell	Murarrie	Mayfield West
VIC 3175	VIC 3216	NSW 2145	ACT 2911	QLD 4172	NSW 2304
+61 3 8564 5000	+61 3 8564 5000	+61 2 9900 8400	+61 2 6113 8091	+61 7 3902 4600	+61 2 4968 8448
NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
Site# 1254	Site# 25403	Site# 18217	Site# 25466	Site# 20794 & 2780	Site# 25079

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IANZ# 1327	IANZ# 1308	IANZ# 1290	IANZ# 1402

Company Name: JBS & G Australia (NSW) P/L
Address: Level 8, 179 Elizabeth St
Sydney
NSW 2000

Project Name: Additional: WATERLOO SOUTH
Project ID: 68063

Order No.:
Report #: 1208398
Phone: 02 8245 0300
Fax:

Received: Apr 10, 2025 4:29 PM
Due: Apr 17, 2025
Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Polycyclic Aromatic Hydrocarbons	AUS Leaching Procedure	USA Leaching Procedure	Metals M8
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X
External Laboratory									
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**				
1	JBH06_0.4-0.5	Mar 19, 2025		US Leachate	S25-Ap0032129	X		X	X
2	JBH05_0-0.1	Mar 19, 2025		US Leachate	S25-Ap0032131	X		X	
3	JBH25_0.2-0.3	Mar 19, 2025		US Leachate	S25-Ap0032132			X	X
4	JBH26_0.2-0.3	Mar 19, 2025		US Leachate	S25-Ap0032133	X		X	X
5	20250320QC_02	Mar 19, 2025		US Leachate	S25-Ap0032134	X		X	X
6	AUS Leachate JBH06_0.4-0.5	Mar 19, 2025		AUS Leachate	S25-Ap0032135	X	X		X
7	AUS Leachate JBH05_0-0.1	Mar 19, 2025		AUS Leachate	S25-Ap0032137	X	X		
8	AUS Leachate JBH25_0.2-0.3	Mar 19, 2025		AUS Leachate	S25-Ap0032138		X		X
9	AUS Leachate JBH26_0.2-0.3	Mar 19, 2025		AUS Leachate	S25-Ap0032139	X	X		X
10	AUS Leachate 20250320QC_	Mar 19, 2025		AUS Leachate	S25-Ap0032140	X	X		X

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NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261	NATA# 1261
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Received: Apr 10, 2025 4:29 PM
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Priority: 5 Day
Contact Name: Daniel Saeed

Eurofins Analytical Services Manager : Andrew Black

Sample Detail						Polycyclic Aromatic Hydrocarbons	AUS Leaching Procedure	USA Leaching Procedure	Metals M8
Sydney Laboratory - NATA # 1261 Site # 18217						X	X	X	X
	02								
11	JBH04_0.2-0.3	Mar 19, 2025		US Leachate	S25-Ap0032141	X		X	
12	JBH04_0.2-0.3	Mar 19, 2025		AUS Leachate	S25-Ap0032142	X	X		
Test Counts						10	6	6	8

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Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ppm:** parts per million
µg/L: micrograms per litre	**ppb:** parts per billion	**%:** Percentage
org/100 mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100 mL:** Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	**Colour:** Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (*bis*-tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time.Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.01			0.01	Pass	
Cadmium	mg/L	< 0.005			0.005	Pass	
Chromium	mg/L	< 0.05			0.05	Pass	
Copper	mg/L	< 0.05			0.05	Pass	
Lead	mg/L	< 0.01			0.01	Pass	
Mercury	mg/L	< 0.001			0.001	Pass	
Nickel	mg/L	< 0.01			0.01	Pass	
Zinc	mg/L	< 0.05			0.05	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	94			80-120	Pass	
Cadmium	%	94			80-120	Pass	
Chromium	%	97			80-120	Pass	
Copper	%	95			80-120	Pass	
Lead	%	98			80-120	Pass	
Mercury	%	95			80-120	Pass	
Nickel	%	95			80-120	Pass	
Zinc	%	98			80-120	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Lead	S25-Ap0032610	NCP	%	81			75-125	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S25-Ap0032140	CP	%	95			75-125	Pass	
Cadmium	S25-Ap0032140	CP	%	94			75-125	Pass	
Chromium	S25-Ap0032140	CP	%	103			75-125	Pass	
Copper	S25-Ap0032140	CP	%	103			75-125	Pass	
Mercury	S25-Ap0032140	CP	%	110			75-125	Pass	
Nickel	S25-Ap0032140	CP	%	95			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1	Result 2	RPD	Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Ap0032129	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Cadmium	S25-Ap0032129	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chromium	S25-Ap0032129	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Copper	S25-Ap0032129	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Lead	S25-Ap0032129	CP	mg/L	0.61	0.78	24	30%	Pass	
Mercury	S25-Ap0032129	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Nickel	S25-Ap0032129	CP	mg/L	0.02	0.02	16	30%	Pass	
Zinc	S25-Ap0035064	NCP	mg/L	2.3	2.5	10	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S25-Ap0032135	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Cadmium	S25-Ap0032135	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Chromium	S25-Ap0032135	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Copper	S25-Ap0032135	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Lead	S25-Ap0032135	CP	mg/L	0.15	0.12	22	30%	Pass	
Mercury	S25-Ap0032135	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Nickel	S25-Ap0032135	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
C01	Leachate Fluid Key: 1 - pH 5.0; 2 - pH 2.9; 3 - pH 9.2; 4 - Reagent (DI) water; 5 - Client sample, 6 - other
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs

Authorised by:

Nileshni Goundar	Analytical Services Manager
Mickael Ros	Senior Analyst-Metal
Roopesh Rangarajan	Senior Analyst-Organic
Ryan Phillips	Senior Analyst-Sample Properties

Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

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Appendix G Detailed QA/QC Evaluation

Summary of Quality Assurance / Quality Control Assessment

Data Quality Objectives	Result	DQO Met?
Precision		
Split duplicates (intra laboratory)	>1 / 20 samples (soil) 1 / 10 samples for PFAS in soil: 0-200% RPD	Partial[1]
	1 / 10 samples (water): 0-196% RPD	Partial[1]
Blind duplicates (inter laboratory)	> 1 / 20 samples (soil) 1 / 10 samples for PFAS in soil: 0-121% RPD	Partial[1]
	1 /10 samples (water): 0-164% RPD	Partial[1]
Laboratory Duplicates	1 / 12 samples (soil): 0-67%% RPD	Partial[1]
	1/2 samples (water): 0-164% RPD	Partial[1]
Accuracy		
Surrogate spikes	36-199% recovery	Partial[1]
Laboratory control samples	44-135% recovery	Partial[1]
Matrix spikes	62-122% recovery	Partial[1]
Representativeness		
Sampling appropriate for media and analytes	Yes	Yes
Samples extracted and analysed within holding times.	All primary and duplicate samples were extracted within 14 days of sampling.	Yes
Laboratory Blanks	<LOR	Yes
Trip blanks	<LOR	Yes
Trip spike	71-100% recovery	Yes
Storage blank	<LOR	Yes
Rinsate sample	<LOR	Yes
Comparability		
Standard operating procedures for sample collection & handling	Standard operating procedures and sample collection used	Yes
Standard analytical methods used for all analyses	Standard analytical methods used	Yes
Consistent field	Sampling was conducted by a trained team of consultants. Standard operating procedures were	Yes

conditions, sampling staff and laboratory analysis	conducted throughout the works. Field conditions remained the same throughout the works. The primary and secondary labs remained consistent throughout the investigation.	
Limits of reporting appropriate and consistent	Where possible, limits of reporting were consistent and appropriate.	Yes
Completeness		
Sample description and Chain of Custody (COCs) completed and appropriate	All borehole and test pit logs, field sampling sheets and COCs were completed appropriately.	Yes
Appropriate documentation	All appropriate field documentation is included in the Appendices.	Yes
Satisfactory frequency and result for QC samples	>95% Compliance	Yes
Data from critical samples is considered valid	Samples were analysed at locations where potential for contamination was observed with regard to access limitations identified at the site.	Yes
Sensitivity		
Analytical methods and limits of recovery appropriate for media and adopted site assessment criteria	Analytical methods and limits of recovery were considered appropriate for media and adopted site assessment criteria for all soil analytes.	Yes

[1] See discussion of QA/QC result

Discussion of QA/QC Results

The results of QA/QC samples outside the acceptance criteria are discussed below.

Precision

Soil Duplicates

Soil blind and split duplicates were collected at a rate of greater than 1 per 20 primary samples analysed and all resultant RPDs were reported to be within the JBS&G acceptable limit (0-30 %), with the exception of some elevated RPDs in heavy metals, asbestos TRH and PAHs in some samples. Elevated RPDs are expected to be due to heterogeneity of the material, and in some cases low detections of analytes close to the LOR.

As a conservative measure, the highest reported concentration was considered when interpreting the results of the investigation.

Groundwater Duplicates

The RPDs in concentrations between primary water samples and intra laboratory duplicate analytical results were within the DQI with the exceptions of PFAS, and PAH concentrations.

The results outside acceptable DQIs are considered to be a result of the trace concentrations of each analyte. As a conservative measure, the highest reported concentration was considered when interpreting the results of the investigation.

Accuracy

Surrogate Spikes

Surrogate spikes were conducted on all samples submitted for organic constituent analysis and generally all recoveries were reported within the JBS&G acceptable range (70-130 %). A small number of surrogates were reported outside the JBS&G acceptable range but were generally within the laboratory's acceptable limits (typically between 50 and 150 % recovery, 20 to 130 % recovery for phenols) under the laboratory's NATA accreditation. In addition, some surrogates were not reported due to matrix interference.

Lower surrogate recoveries as reported within the primary samples, indicate the reported concentrations may potentially be less than the actual sample contaminant concentrations. Higher surrogate recoveries as reported within the primary samples, indicate the reported concentrations may potentially be more than the actual sample contaminant concentrations. Taking this into account, the surrogate recoveries outside the preferred range are considered to not affect the outcomes of the assessment as they were still within the performance limits of the NATA registered laboratories and few decision driving results were made with respect to primary samples with surrogate recoveries outside the preferred range.

Matrix Spikes

Matrix spike recoveries were generally within the acceptable range of 70-130 % Where recoveries where outside of JBS&Gs acceptability criteria of between 70-130 %, the reported recoveries are within the testing laboratories range for trace PFAS and is not considered to affect the accuracy of the dataset.

Laboratory Control Samples

A sufficient number of laboratory control samples were analysed in which recoveries were generally within the preferred range (70-130 %). Where recoveries were outside of the JBS&G preferred range, they were noted to be within the laboratory acceptable limits.

Laboratory Duplicates

A sufficient number of laboratory duplicates were analysed in which RPDs were generally within the JBS&G acceptable limit of <30 %. Where lab duplicate RPDs were above 30 %, the reported RPD passed the laboratory internal QC acceptance criteria or was a result of the heterogeneity of the material and is therefore not considered to affect the precision of the dataset.

Representativeness

Sampling appropriate for media and analytes

All sampling works completed during the investigation were conducted in accordance with JBS&G standard operating procedures. Soil sampling was conducted with the advancement of push tubes and solid flight auger boreholes. Groundwater was sampled via bladder pump sampling and disposable tubing.

These sampling methods are considered appropriate for the collection of soil and groundwater characterisation samples for potential site impacts identified.

Holding Times

Samples were extracted and analysed within the recommended holding times with respect to chemical and asbestos COPCs.

Laboratory Blanks

There were no reported concentrations of contaminant compounds above the laboratory LOR in the laboratory method blanks for soil analysis.

Trip Spike

A trip spike was submitted with each primary lab batch. All trip spike recoveries were within the acceptable limit of 70-130 %, indicating that the adopted assessment sample preservation methods were appropriate to result in a low risk of contaminant concentration loss during field storage and transport of the samples.

Trip Blank

A trip blank was submitted with each primary lab batch submitted to the laboratory. There were no reported concentrations of BTEX compounds above the laboratory LOR thus demonstrating the absence of significant contaminant cross contamination issues during the temporary storage and transportation of samples analysed during this investigation.

Decontamination and Calibration

All field equipment was decontaminated appropriately as per the decontamination procedures.

Rinsate

A new pair of disposable nitrile gloves were used for the collection of each sample. Rinsate samples were collected for all sampling using non-disposable equipment. All analytes were reported below the LOR.

Comparability

Experienced JBS&G field consultants undertook all sampling in accordance with standard JBS&G sampling methods. Field works and sampling were undertaken by the same JBS&G field scientists throughout the works.

Eurofins (primary laboratory) and Envirolab (secondary laboratory) were NATA accredited for comparable methods of analysis. Field works have been undertaken by a team of experienced samplers in accordance with the same standard operating procedure. All field documentation was appropriately completed.

Completeness

Documentation

All documentation is complete and correct.

Frequency for QC Samples

Frequency of analysis for the QC samples collected has met or exceeded the required minimum frequency in each sampled media for each analyte analysed.

Sensitivity

The adopted analytical methods generally provided suitable LORs with respect to the adopted site assessment criteria.

QA/QC Assessment

The field sampling and handling procedures produced QA/QC results which indicate that the data are of an acceptable quality and suitable for use in site characterisation.

The NATA certified laboratory results sheets indicate that the project laboratory was generally achieving levels of performance within its recommended control limits during the period when the samples of this program were analysed.

On the basis of the results of the field and laboratory QA/QC program, the investigation data is of an acceptable quality upon which to draw conclusions regarding the environmental condition of the site.

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1208047	1208047		1208047	377597	
			Field ID	MW110	QC_20250407		MW110	QA10250407	
			Matrix Type	Water	Water		Water	Water	
			Date	08 Apr 2025	08 Apr 2025	RPD	08 Apr 2025	07 Apr 2025	RPD
	Unit	EQL							
Metals & Metalloids									
Arsenic (filtered)	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Cadmium (filtered)	mg/L	0.0001	<0.0002	<0.0002	0	<0.0002	<0.0001	0
Chromium (III+VI) (filtered)	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Copper (filtered)	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Lead (filtered)	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Mercury (filtered)	mg/L	0.00005	<0.0001	<0.0001	0	<0.0001	<0.00005	0
Nickel (filtered)	mg/L	0.001	0.044	0.043	2	0.044	0.052	17
Zinc (filtered)	mg/L	0.001	0.014	0.015	7	0.014	0.016	13
TPHs (NEPC 1999)								
C6-C9 Fraction	mg/L	0.01	<0.02	<0.02	0	<0.02	0.017	0
C10-C14 Fraction	mg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0
C15-C28 Fraction	mg/L	0.1	<0.1	<0.1	0	<0.1	<0.1	0
C29-C36 Fraction	mg/L	0.1	<0.1	<0.1	0	<0.1	<0.1	0
C10-C36 Fraction (Sum of Total)	mg/L	0.05	<0.1	<0.1	0	<0.1	<0.05	0
TRHs (NEPC 2013)								
C6-C10	mg/L	0.01	<0.02	<0.02	0	<0.02	0.017	0
C10-C16	mg/L	0.05	<0.05	<0.05	0	<0.05	<0.05	0
C16-C34	mg/L	0.1	<0.1	<0.1	0	<0.1	<0.1	0
C34-C40	mg/L	0.1	<0.1	<0.1	0	<0.1	<0.1	0
C10-C40 (Sum of total)	mg/L	0.05	<0.1	<0.1	0	<0.1	<0.05	0
F1 (C6-C10 minus BTEX)	mg/L	0.02	<0.02	<0.02	0	<0.02	-	-
F2 (C10-C16 less Naphthalene)	mg/L	0.05	<0.05	<0.05	0	<0.05	-	-
BTEXN								
Benzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Toluene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Ethylbenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Xylene (o)	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Xylene (m & p)	mg/L	0.002	<0.002	<0.002	0	<0.002	<0.002	0
Xylene Total	mg/L	0.003	<0.003	<0.003	0	<0.003	-	-
Naphthalene_VOC	mg/L	0.01	<0.01	<0.01	0	<0.01	-	-
PAH								
PAHs (Sum of positives)	µg/L	0.1	-	-	-	-	<0.1	-
Acenaphthene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Acenaphthylene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Anthracene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Benz(a)anthracene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Benzo(a)pyrene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Benzo(a)pyrene TEQ	mg/L	0.0005	-	-	-	-	<0.0005	-
Benzo(b+j)fluoranthene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	-	-
Benzo(b+j+k)fluoranthene	mg/L	0.0002	-	-	-	-	<0.0002	-
Benzo(g,h,i)perylene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Benzo(k)fluoranthene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	-	-
Chrysene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Dibenz(a,h)anthracene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Fluoranthene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Fluorene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Indeno(1,2,3-c,d)pyrene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Naphthalene	mg/L	0.00001	0.0010	<0.00001	196	0.0010	<0.0001	164
Phenanthrene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
Pyrene	mg/L	0.00001	<0.00001	<0.00001	0	<0.00001	<0.0001	0
PAHs (Sum of total)	mg/L	0.00001	0.001	<0.00001	196	0.001	-	-

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1208047	1208047		1208047	377597	
			Field ID	MW110	QC_20250407		MW110	QA10250407	
			Matrix Type	Water	Water		Water	Water	
			Date	08 Apr 2025	08 Apr 2025	RPD	08 Apr 2025	07 Apr 2025	RPD
	Unit	EQL							
Chlorinated Alkanes									
1,1,1,2-tetrachloroethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,1,1-trichloroethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,1,2,2-tetrachloroethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,1,2-trichloroethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,1-dichloroethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,2,3-trichloropropane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,2-dibromo-3-chloropropane	mg/L	0.001	-	-	-	-	<0.001	-
1,2-dichloroethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,2-dichloropropane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,3-dichloropropane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
2,2-dichloropropane	mg/L	0.001	-	-	-	-	<0.001	-
Bromochloromethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Carbon tetrachloride	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Chloroethane	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.01	0
Chloromethane	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.01	0
Dichlorodifluoromethane	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.01	0
Dichloromethane	mg/L	0.005	<0.005	<0.005	0	<0.005	-	-
Trichlorofluoromethane	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.01	0
Chlorinated Alkenes									
Vinyl Chloride	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.01	0
1,1-dichloroethene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,1-dichloropropene	mg/L	0.001	-	-	-	-	<0.001	-
2-chlorotoluene	mg/L	0.001	-	-	-	-	<0.001	-
3-chloropropene	mg/L	0.001	<0.001	<0.001	0	<0.001	-	-
4-chlorotoluene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
cis-1,2-dichloroethene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
cis-1,3-dichloropropene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Tetrachloroethene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
trans-1,2-dichloroethene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
trans-1,3-dichloropropene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Trichloroethene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Solvents									
Acetone	mg/L	0.005	<0.005	<0.005	0	<0.005	-	-
PFAS									
Perfluorobutanoic acid (PFBA)	µg/L	0.002	<0.005	<0.005	0	<0.005	<0.02	0
Perfluoropentanoic acid (PFPeA)	µg/L	0.001	0.008	0.009	12	0.008	0.002	120
Perfluorohexanoic acid (PFHxA)	µg/L	0.0004	0.003	0.002	40	0.003	0.002	40
Perfluoroheptanoic acid (PFHpA)	µg/L	0.0004	<0.001	<0.001	0	<0.001	0.0006	0
Perfluorooctanoic acid (PFOA)	µg/L	0.0002	<0.001	0.001	0	<0.001	0.001	0
Perfluorononanoic acid (PFNA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Perfluorodecanoic acid (PFDA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.002	0
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.002	0
Perfluorododecanoic acid (PFDoDA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.005	0
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.01	0
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.05	0
Perfluorooctane sulfonamide (FOSA)	µg/L	0.005	<0.005	<0.005	0	<0.005	<0.01	0
N-Methyl perfluorooctane sulfonamide (NMeFOSA)	µg/L	0.005	<0.005	<0.005	0	<0.005	<0.05	0
N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	µg/L	0.005	<0.005	<0.005	0	<0.005	<0.1	0
N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	µg/L	0.005	<0.005	<0.005	0	<0.005	<0.05	0
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	µg/L	0.005	<0.005	<0.005	0	<0.005	<0.5	0
N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	µg/L	0.002	<0.005	<0.005	0	<0.005	<0.002	0
N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	µg/L	0.002	<0.005	<0.005	0	<0.005	<0.002	0
Perfluoropropanesulfonic acid (PFPrS)	µg/L	0.001	<0.001	<0.001	0	<0.001	-	-
Perfluorobutanesulfonic acid (PFBS)	µg/L	0.0004	<0.001	<0.001	0	<0.001	0.0006	0
Perfluoropentanesulfonic acid (PFPeS)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Perfluorohexanesulfonic acid (PFHxS)	µg/L	0.0002	0.002	0.003	40	0.002	0.0026	26
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Perfluorooctanesulfonic acid (PFOS)	µg/L	0.0001	0.011	0.015	31	0.011	0.024	74
Perfluorodecanesulfonic acid (PFDS)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.002	0
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	µg/L	0.0004	<0.005	<0.005	0	<0.005	<0.0004	0
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	µg/L	0.0004	<0.001	<0.001	0	<0.001	<0.0004	0
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	µg/L	0.001	<0.001	<0.001	0	<0.001	<0.002	0
Sum of PFHxS and PFOS	µg/L	0.0002	0.013	0.018	32	0.013	0.027	70
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	µg/L	0.001	0.013	0.019	38	0.013	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	µg/L	0.0002	0.011	0.016	37	0.011	0.025	78
Sum of WA DWER PFAS (n=10)*	ug/L	0.005	0.024	0.03	22	0.024	-	-
Sum of PFAS	µg/L	0.0002	0.024	0.03	22	0.024	0.034	34
Perfluorononanesulfonic acid ion	µg/L	0.001	<0.001	<0.001	0	<0.001	-	-

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1208047	1208047		1208047	377597	
			Field ID	MW110	QC_20250407		MW110	QA10250407	
			Matrix Type	Water	Water		Water	Water	
			Date	08 Apr 2025	08 Apr 2025	RPD	08 Apr 2025	07 Apr 2025	RPD
	Unit	EQL							
MAH									
1,2,4-trimethylbenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,3,5-trimethylbenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
n-butylbenzene	mg/L	0.001	-	-	-	-	<0.001	-
n-propylbenzene	mg/L	0.001	-	-	-	-	<0.001	-
p-isopropyltoluene	mg/L	0.001	-	-	-	-	<0.001	-
sec-butylbenzene	mg/L	0.001	-	-	-	-	<0.001	-
Styrene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
tert-butylbenzene	mg/L	0.001	-	-	-	-	<0.001	-
Total MAH	mg/L	0.003	<0.003	<0.003	0	<0.003	-	-
Bromobenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Isopropylbenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Miscellaneous Hydrocarbons								
1,2-dibromoethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Bromomethane	mg/L	0.005	<0.005	<0.005	0	<0.005	<0.01	0
Cyclohexane	mg/L	0.001	-	-	-	-	0.002	-
Dibromomethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Iodomethane	mg/L	0.001	<0.001	<0.001	0	<0.001	-	-
4-Methyl-2-pentanone	mg/L	0.005	<0.005	<0.005	0	<0.005	-	-
Methyl Ethyl Ketone	mg/L	0.005	<0.005	<0.005	0	<0.005	-	-
Chlorinated Benzenes								
1,2,3-trichlorobenzene	mg/L	0.001	-	-	-	-	<0.001	-
1,2,4-trichlorobenzene	mg/L	0.001	-	-	-	-	<0.001	-
1,2-Dichlorobenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,3-dichlorobenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
1,4-dichlorobenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Chlorobenzene	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Trihalomethanes								
Dibromochloromethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Chloroform	mg/L	0.001	0.008	0.008	0	0.008	0.008	0
Tribromomethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Bromodichloromethane	mg/L	0.001	<0.001	<0.001	0	<0.001	<0.001	0
Organic Sulfur Compounds								
Carbon disulfide	mg/L	0.001	<0.001	<0.001	0	<0.001	-	-
Major Cations								
Calcium	mg/L	0.5	28	24	15	28	-	-
Calcium (filtered)	mg/L	0.5	-	-	-	-	24	-
Magnesium	mg/L	0.5	5.3	4.5	16	5.3	-	-
Magnesium (filtered)	mg/L	0.5	-	-	-	-	3	-
Ionic Balance								
Electrical Conductivity (Lab)	µS/cm	10	460	440	4	460	-	-
Hardness (filtered)	mgCaCO3/L	3	-	-	-	-	72	-
Hardness as CaCO3	mg/L	1	92	78	16	92	-	-
pH (Lab)	pH Units	0.1	6.8	6.5	5	6.8	6.7	1
EPA VIC - IWRG621								
Chlorinated Hydrocarbons EPAVic	mg/L	0.005	0.008	0.008	0	0.008	-	-
Other Chlorinated Hydrocarbons EPAVic	mg/L	0.005	0.008	0.008	0	0.008	-	-
Inorganics								
Electrical Conductivity (Non Compensated)	µS/cm	1	-	-	-	-	470	-
Chlorinated Hydrocarbons								
Hexachlorobutadiene	mg/L	0.001	-	-	-	-	<0.001	-

***RPDs have only been considered where a concentration is greater than 1 times the EQL.**

****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 30 (1 - 10 x EQL); 30 (10 - 30 x EQL); 30 (> 30 x EQL))**

*****Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory**

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	1200931		1200931	376261	
			Field ID	JBH20_0.4-0.5	20250318QC_01		JBH20_0.4-0.5	20250318QA-01 - [TRIPLICATE]	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	18 Mar 2025	18 Mar 2025	RPD	18 Mar 2025	18 Mar 2025	RPD
	Unit	EQL							
Metals & Metalloids									
Arsenic	mg/kg	2	6.7	5.9	13	6.7	<4	50
Cadmium	mg/kg	0.4	0.8	0.5	46	0.8	0.4	67
Chromium (III+VI)	mg/kg	1	11	9.2	18	11	8	32
Copper	mg/kg	1	73	54	30	73	45	47
Lead	mg/kg	1	620	420	38	620	310	67
Mercury	mg/kg	0.1	1.3	0.6	74	1.3	0.5	89
Nickel	mg/kg	1	13	9.2	34	13	7	60
Zinc	mg/kg	1	610	400	42	610	300	68
TPHs (NEPC 1999)								
C6-C9 Fraction	mg/kg	20	<20	<20	0	<20	-	-
C10-C14 Fraction	mg/kg	20	<20	<20	0	<20	-	-
C15-C28 Fraction	mg/kg	50	270	77	111	270	-	-
C29-C36 Fraction	mg/kg	50	180	140	25	180	-	-
C10-C36 Fraction (Sum of Total)	mg/kg	50	450	217	70	450	-	-
TRHs (NEPC 2013)								
C6-C10	mg/kg	20	<20	<20	0	<20	-	-
C10-C16	mg/kg	50	52	<50	4	52	-	-
C16-C34	mg/kg	100	400	180	76	400	-	-
C34-C40	mg/kg	100	<100	<100	0	<100	-	-
C10-C40 (Sum of total)	mg/kg	50	452	180	86	452	-	-
F1 (C6-C10 minus BTEX)	mg/kg	20	<20	<20	0	<20	-	-
F2 (C10-C16 less Naphthalene)	mg/kg	50	52	<50	4	52	-	-
BTEXN								
Benzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Toluene	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Xylene (o)	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	0	<0.2	-	-
Xylene Total	mg/kg	0.3	<0.3	<0.3	0	<0.3	-	-
Naphthalene_VOC	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
PAH								
PAHs (Sum of positives)	µg/kg	50	-	-	-	-	-	-
Acenaphthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	-	-
Acenaphthylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	-	-
Anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	-	-
Benz(a)anthracene	mg/kg	0.1	0.9	1.5	50	0.9	-	-
Benzo(a)pyrene	mg/kg	0.05	1.3	1.3	0	1.3	-	-
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	2.1	2.2	5	2.1	-	-
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	1.9	1.9	0	1.9	-	-
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	1.6	1.6	0	1.6	-	-
Benzo(b+j)fluoranthene	mg/kg	0.5	0.7	<0.5	33	0.7	-	-
Benzo(b+j+k)fluoranthene	mg/kg	0.2	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	-	-
Benzo(k)fluoranthene	mg/kg	0.5	0.9	1	11	0.9	-	-
Chrysene	mg/kg	0.1	1.5	1.3	14	1.5	-	-
Dibenz(a,h)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	-	-
Fluoranthene	mg/kg	0.1	2	0.9	76	2	-	-
Fluorene	mg/kg	0.1	<0.5	<0.5	0	<0.5	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	0.6	<0.5	18	0.6	-	-
Naphthalene	mg/kg	0.1	<0.5	<0.5	0	<0.5	-	-
Phenanthrene	mg/kg	0.1	<0.5	0.7	33	<0.5	-	-
Pyrene	mg/kg	0.1	2.1	1.2	55	2.1	-	-

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	1200931		1200931	376261	
			Field ID	JBH20_0.4-0.5	20250318QC_01		JBH20_0.4-0.5	20250318QA-01 - [TRIPLICATE]	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	18 Mar 2025	18 Mar 2025	RPD	18 Mar 2025	18 Mar 2025	RPD
	Unit	EQL							
Organochlorine Pesticides									
4,4-DDE	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
a-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
b-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
d-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Aldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Chlordane	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Chlordane (cis)	mg/kg	0.1	-	-	-	-	-	-	
Chlordane (trans)	mg/kg	0.1	-	-	-	-	-	-	
DDT	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Endosulfan I	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Endosulfan II	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Endrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Heptachlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Heptachlor Epoxide	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Methoxychlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-	
Mirex	mg/kg	0.1	-	-	-	-	-	-	
Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Chlorinated Alkanes									
1,1,1,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,1,1-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,1,2,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,1,2-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,1-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,2,3-trichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,2-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,2-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,3-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Bromochloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Carbon tetrachloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Chloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Chloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Dichlorodifluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Dichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Trichlorofluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Chlorinated Alkenes									
Vinyl Chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
1,1-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
3-chloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
4-chlorotoluene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Tetrachloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Trichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Solvents									
Acetone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-	
Polychlorinated Biphenyls									
Arochlor 1016	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1221	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1232	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1242	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1248	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1254	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
Arochlor 1260	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-	

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	1200931		1200931	376261	
			Field ID	JBH20_0.4-0.5	20250318QC_01		JBH20_0.4-0.5	20250318QA-01 - [TRIPLICATE]	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	18 Mar 2025	18 Mar 2025	RPD	18 Mar 2025	18 Mar 2025	RPD
	Unit	EQL							
PFAS									
Perfluorobutanoic acid (PFBA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoropentanoic acid (PFPeA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorohexanoic acid (PFHxA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-Methyl perfluorooctane sulfonamide (NMeFOSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	mg/kg	0.01	<0.01	<0.01	0	<0.01	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	mg/kg	0.01	<0.01	<0.01	0	<0.01	-	-
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorobutanesulfonic acid (PFBS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoropentanesulfonic acid (PFPeS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorooctanesulfonic acid (PFOS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorodecanesulfonic acid (PFDS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	mg/kg	0.01	<0.01	<0.01	0	<0.01	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of PFHxS and PFOS	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of WA DWER PFAS (n=10)*	mg/KG	0.01	<0.01	<0.01	0	<0.01	-	-
Sum of PFAS	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-
Perfluorononanesulfonic acid ion	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
MAH									
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Styrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Total MAH	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Isopropylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Miscellaneous Hydrocarbons									
1,2-dibromoethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Dibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Iodomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chlorinated Benzenes									
1,2-Dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,3-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,4-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Trihalomethanes									
Dibromochloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chloroform	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Tribromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromodichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Organic Sulfur Compounds									
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
EPA VIC - IWRG621									
Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Other Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
PAHs (Vic EPA List)	mg/kg	0.5	10	7.9	23	10	-	-
Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Other Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Asbestos - Eurofins									
Approximate Sample Mass	g		569	465	20	569	-	-
Mass ACM	g		0	0	-	0	-	-
Mass Asbestos in ACM	g		0	0	-	0	-	-
Asbestos from ACM in Soil	% (w/w)		0	0	-	0	-	-
Mass FA	g		0	-	-	0	-	-
Mass Asbestos in FA	g		0	0	-	0	-	-
Mass AF	g		0	0	-	0	-	-
Mass asbestos in AF	g		0	0	-	0	-	-
Mass Asbestos in FA & AF	g		0	0	-	0	-	-
ACM - Comment	Comment		1	1	0	1	-	-
FA- Comment	Comment		1	1	0	1	-	-
AF - Comment	Comment		1	1	0	1	-	-
Organic Fibres - Comment	Comment		1	1	0	1	-	-
Respirable Fibres - Comment	Comment		1	0	200	1	-	-
Synthetic Fibres - Comment	Comment		1	1	0	1	-	-
Asbestos Reported Result	Comment		1	1	0	1	-	-
Asbestos FA & AF in Soil	% (w/w)		0	0	-	0	-	-
Asbestos - Envirolab									
Asbestos ID in Soil	g/kg		-	-	-	-	-	-
Total Asbestos	g/kg		-	-	-	-	-	-
Asbestos (ACM >7mm) Estimation	% (w/w)		-	-	-	-	-	-
Asbestos in soil (<2mm AF/FA) (%w/w)	% (w/w)		-	-	-	-	-	-
Moisture Content									
Moisture Content	%	0.1	-	-	-	-	-	-
Other									
Moisture Content (dried @ 103°C)	%	1	24	7.9	101	24	-	-

**RPDs have only been considered where a concentration is greater than 1 times the EQL.

**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 30 (1 - 10 x EQL); 30 (10 - 30 x EQL); 30 (> 30 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	376261		1200931	376261	
			Field ID	JBH20_0.4-0.5	20250318QA-01		JBH20_0.4-0.5	20250318QA-01	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	18 Mar 2025	18 Mar 2025	RPD	18 Mar 2025	18 Mar 2025	RPD
	Unit	EQL							
Metals & Metalloids									
Arsenic	mg/kg	2	6.7	4	50	6.7	-	-
Cadmium	mg/kg	0.4	0.8	0.5	46	0.8	-	-
Chromium (III+VI)	mg/kg	1	11	10	10	11	-	-
Copper	mg/kg	1	73	49	39	73	-	-
Lead	mg/kg	1	620	350	56	620	-	-
Mercury	mg/kg	0.1	1.3	0.5	89	1.3	-	-
Nickel	mg/kg	1	13	10	26	13	-	-
Zinc	mg/kg	1	610	360	52	610	-	-
TPHs (NEPC 1999)									
C6-C9 Fraction	mg/kg	20	<20	<25	0	<20	-	-
C10-C14 Fraction	mg/kg	20	<20	<50	0	<20	-	-
C15-C28 Fraction	mg/kg	50	270	<100	92	270	-	-
C29-C36 Fraction	mg/kg	50	180	110	48	180	-	-
C10-C36 Fraction (Sum of Total)	mg/kg	50	450	110	121	450	-	-
TRHs (NEPC 2013)									
C6-C10	mg/kg	20	<20	<25	0	<20	-	-
C10-C16	mg/kg	50	52	<50	4	52	-	-
C16-C34	mg/kg	100	400	130	102	400	-	-
C34-C40	mg/kg	100	<100	<100	0	<100	-	-
C10-C40 (Sum of total)	mg/kg	50	452	130	111	452	-	-
F1 (C6-C10 minus BTEX)	mg/kg	20	<20	<25	0	<20	-	-
F2 (C10-C16 less Naphthalene)	mg/kg	50	52	<50	4	52	-	-
BTEXN									
Benzene	mg/kg	0.1	<0.1	<0.2	0	<0.1	-	-
Toluene	mg/kg	0.1	<0.1	<0.5	0	<0.1	-	-
Ethylbenzene	mg/kg	0.1	<0.1	<1	0	<0.1	-	-
Xylene (o)	mg/kg	0.1	<0.1	<1	0	<0.1	-	-
Xylene (m & p)	mg/kg	0.2	<0.2	<2	0	<0.2	-	-
Xylene Total	mg/kg	0.3	<0.3	<1	0	<0.3	-	-
Naphthalene_VOC	mg/kg	0.5	<0.5	<1	0	<0.5	-	-
PAH									
PAHs (Sum of positives)	µg/kg	50	-	16,000	-	-	-	-
Acenaphthene	mg/kg	0.1	<0.5	<0.1	0	<0.5	-	-
Acenaphthylene	mg/kg	0.1	<0.5	0.2	0	<0.5	-	-
Anthracene	mg/kg	0.1	<0.5	0.4	0	<0.5	-	-
Benz(a)anthracene	mg/kg	0.1	0.9	1.2	29	0.9	-	-
Benzo(a)pyrene	mg/kg	0.05	1.3	1.6	21	1.3	-	-
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	2.1	2.2	5	2.1	-	-
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	1.9	2.2	15	1.9	-	-
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	1.6	2.2	32	1.6	-	-
Benzo(b+j)fluoranthene	mg/kg	0.5	0.7	-	-	0.7	-	-
Benzo(b+j+k)fluoranthene	mg/kg	0.2	-	2.1	-	-	-	-
Benzo(g,h,i)perylene	mg/kg	0.1	<0.5	0.7	33	<0.5	-	-
Benzo(k)fluoranthene	mg/kg	0.5	0.9	-	-	0.9	-	-
Chrysene	mg/kg	0.1	1.5	1.2	22	1.5	-	-
Dibenz(a,h)anthracene	mg/kg	0.1	<0.5	0.2	0	<0.5	-	-
Fluoranthene	mg/kg	0.1	2	2.7	30	2	-	-
Fluorene	mg/kg	0.1	<0.5	0.1	0	<0.5	-	-
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	0.6	0.9	40	0.6	-	-
Naphthalene	mg/kg	0.1	<0.5	<0.1	0	<0.5	-	-
Phenanthrene	mg/kg	0.1	<0.5	1.8	113	<0.5	-	-
Pyrene	mg/kg	0.1	2.1	2.7	25	2.1	-	-

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	376261		1200931	376261	
			Field ID	JBH20_0.4-0.5	20250318QA-01		JBH20_0.4-0.5	20250318QA-01	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	18 Mar 2025	18 Mar 2025	RPD	18 Mar 2025	18 Mar 2025	RPD
	Unit	EQL							
Organochlorine Pesticides									
4,4-DDE	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
a-BHC	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
b-BHC	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
d-BHC	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Aldrin	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Dieldrin	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Chlordane	mg/kg	0.1	<0.1	-	-	<0.1	-	-
Chlordane (cis)	mg/kg	0.1	-	<0.1	-	-	-	-
Chlordane (trans)	mg/kg	0.1	-	<0.1	-	-	-	-
DDT	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
DDD	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Endosulfan I	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Endosulfan II	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Endrin	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Endrin aldehyde	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Endrin ketone	mg/kg	0.05	<0.05	-	-	<0.05	-	-
Heptachlor	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Heptachlor Epoxide	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Methoxychlor	mg/kg	0.05	<0.05	<0.1	0	<0.05	-	-
Mirex	mg/kg	0.1	-	<0.1	-	-	-	-
Toxaphene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Chlorinated Alkanes									
1,1,1,2-tetrachloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,1,1-trichloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,1,2-trichloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,1-dichloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,2,3-trichloropropane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,2-dichloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,2-dichloropropane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,3-dichloropropane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Bromochloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Carbon tetrachloride	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Chloroethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Chloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Dichlorodifluoromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Dichloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Trichlorofluoromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Chlorinated Alkenes									
Vinyl Chloride	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,1-dichloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
3-chloropropene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
4-chlorotoluene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Tetrachloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Trichloroethene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Solvents									
Acetone	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Polychlorinated Biphenyls									
Arochlor 1016	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1221	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1232	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1242	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1248	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1254	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Arochlor 1260	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	376261		1200931	376261	
			Field ID	JBH20_0.4-0.5	20250318QA-01		JBH20_0.4-0.5	20250318QA-01	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	18 Mar 2025	18 Mar 2025	RPD	18 Mar 2025	18 Mar 2025	RPD
	Unit	EQL							
PFAS									
Perfluorobutanoic acid (PFBA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluoropentanoic acid (PFPeA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorohexanoic acid (PFHxA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
N-Methyl perfluorooctane sulfonamide (NMeFOSA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	mg/kg	0.01	<0.01	-	-	<0.01	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	mg/kg	0.01	<0.01	-	-	<0.01	-	-
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorobutanesulfonic acid (PFBS)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluoropentanesulfonic acid (PFPeS)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorooctanesulfonic acid (PFOS)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Perfluorodecanesulfonic acid (PFDS)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	mg/kg	0.01	<0.01	-	-	<0.01	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Sum of PFHxS and PFOS	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	mg/kg	0.005	<0.005	-	-	<0.005	-	-
Sum of WA DWER PFAS (n=10)*	mg/KG	0.01	<0.01	-	-	<0.01	-	-
Sum of PFAS	mg/kg	0.05	<0.05	-	-	<0.05	-	-
Perfluorononanesulfonic acid ion	mg/kg	0.005	<0.005	-	-	<0.005	-	-
MAH									
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Styrene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Total MAH	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Bromobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Isopropylbenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Miscellaneous Hydrocarbons									
1,2-dibromoethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Bromomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Dibromomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Iodomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Chlorinated Benzenes									
1,2-Dichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,3-dichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
1,4-dichlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Chlorobenzene	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Trihalomethanes									
Dibromochloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Chloroform	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Tribromomethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Bromodichloromethane	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Organic Sulfur Compounds									
Carbon disulfide	mg/kg	0.5	<0.5	-	-	<0.5	-	-
EPA VIC - IWRG621									
Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	-	-	<0.5	-	-
Other Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	-	-	<0.5	-	-
PAHs (Vic EPA List)	mg/kg	0.5	10	-	-	10	-	-
Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	-	-	<0.1	-	-
Other Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	-	-	<0.1	-	-
Asbestos - Eurofins									
Approximate Sample Mass	g		569	-	-	569	-	-
Mass ACM	g		0	-	-	0	-	-
Mass Asbestos in ACM	g		0	-	-	0	-	-
Asbestos from ACM in Soil	% (w/w)		0	-	-	0	-	-
Mass FA	g		0	-	-	0	-	-
Mass Asbestos in FA	g		0	-	-	0	-	-
Mass AF	g		0	-	-	0	-	-
Mass asbestos in AF	g		0	-	-	0	-	-
Mass Asbestos in FA & AF	g		0	-	-	0	-	-
ACM - Comment	Comment		1	-	-	1	-	-
FA- Comment	Comment		1	-	-	1	-	-
AF - Comment	Comment		1	-	-	1	-	-
Organic Fibres - Comment	Comment		1	-	-	1	-	-
Respirable Fibres - Comment	Comment		1	-	-	1	-	-
Synthetic Fibres - Comment	Comment		1	-	-	1	-	-
Asbestos Reported Result	Comment		1	-	-	1	-	-
Asbestos FA & AF in Soil	% (w/w)		0	-	-	0	-	-
Asbestos - Envirolab									
Asbestos ID in Soil	g/kg		-	0	-	-	-	-
Total Asbestos	g/kg		-	<0.1	-	-	-	-
Asbestos (ACM >7mm) Estimation	% (w/w)		-	<0.01	-	-	-	-
Asbestos in soil (<2mm AF/FA) (%w/w)	% (w/w)		-	<0.001	-	-	0.0022	-
Moisture Content									
Moisture Content	%	0.1	-	10	-	-	-	-
Other									
Moisture Content (dried @ 103°C)	%	1	24	-	-	24	-	-

*RPDs have only been considered where a concentration is greater than 1 times the EQL.

**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier r

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. A

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	1200931		1200931	376261	
			Field ID	JBH32_0.2-0.3	20250320QC_02		JBH32_0.2-0.3	20250320QA_02	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	20 Mar 2025	20 Mar 2025	RPD	20 Mar 2025	20 Mar 2025	RPD
	Unit	EQL							
Metals & Metalloids									
Arsenic	mg/kg	2	6.4	17	91	6.4	14	75
Cadmium	mg/kg	0.4	0.6	0.8	29	0.6	0.6	0
Chromium (III+VI)	mg/kg	1	9.8	10	2	9.8	9	9
Copper	mg/kg	1	44	56	24	44	55	22
Lead	mg/kg	1	640	980	42	640	910	35
Mercury	mg/kg	0.1	0.3	0.3	0	0.3	0.3	0
Nickel	mg/kg	1	<5	<5	0	<5	5	0
Zinc	mg/kg	1	370	460	22	370	430	15
TPHs (NEPC 1999)								
C6-C9 Fraction	mg/kg	20	<20	<20	0	<20	<25	0
C10-C14 Fraction	mg/kg	20	<20	<20	0	<20	<50	0
C15-C28 Fraction	mg/kg	50	64	94	38	64	<100	0
C29-C36 Fraction	mg/kg	50	54	83	42	54	<100	0
C10-C36 Fraction (Sum of Total)	mg/kg	50	118	177	40	118	<50	81
TRHs (NEPC 2013)								
C6-C10	mg/kg	20	<20	<20	0	<20	<25	0
C10-C16	mg/kg	50	<50	<50	0	<50	<50	0
C16-C34	mg/kg	100	100	180	57	100	110	10
C34-C40	mg/kg	100	<100	<100	0	<100	<100	0
C10-C40 (Sum of total)	mg/kg	50	100	180	57	100	110	10
F1 (C6-C10 minus BTEX)	mg/kg	20	<20	<20	0	<20	<25	0
F2 (C10-C16 less Naphthalene)	mg/kg	50	<50	<50	0	<50	<50	0
BTEXN								
Benzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.2	0
Toluene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.5	0
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	0	<0.1	<1	0
Xylene (o)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<1	0
Xylene (m & p)	mg/kg	0.2	<0.2	<0.2	0	<0.2	<2	0
Xylene Total	mg/kg	0.3	<0.3	<0.3	0	<0.3	<1	0
Naphthalene_VOC	mg/kg	0.5	<0.5	<0.5	0	<0.5	<1	0
PAH								
PAHs (Sum of positives)	µg/kg	50	-	-	-	-	19,000	-
Acenaphthene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0
Acenaphthylene	mg/kg	0.1	<0.5	<0.5	0	<0.5	0.2	0
Anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	0.2	0
Benz(a)anthracene	mg/kg	0.1	4.4	0.8	138	4.4	1.1	120
Benzo(a)pyrene	mg/kg	0.05	1.5	1.2	22	1.5	2.0	29
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	2.9	2.1	32	2.9	2.7	7
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	2.7	1.9	35	2.7	2.7	0
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	2.4	1.6	40	2.4	2.7	12
Benzo(b+j)fluoranthene	mg/kg	0.5	1.3	1	26	1.3	-	-
Benzo(b+j+k)fluoranthene	mg/kg	0.2	-	-	-	-	2.6	-
Benzo(g,h,i)perylene	mg/kg	0.1	1.2	1.1	9	1.2	1.2	0
Benzo(k)fluoranthene	mg/kg	0.5	1.9	1.3	37	1.9	-	-
Chrysene	mg/kg	0.1	3.3	2.7	20	3.3	1.2	93
Dibenz(a,h)anthracene	mg/kg	0.1	<0.5	<0.5	0	<0.5	0.2	0
Fluoranthene	mg/kg	0.1	4.5	3.6	22	4.5	3.4	28
Fluorene	mg/kg	0.1	<0.5	<0.5	0	<0.5	0.1	0
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	1.3	1	26	1.3	1.4	7
Naphthalene	mg/kg	0.1	<0.5	<0.5	0	<0.5	<0.1	0
Phenanthrene	mg/kg	0.1	3.2	1.9	51	3.2	1.7	61
Pyrene	mg/kg	0.1	5	3.7	30	5	3.2	44

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	1200931		1200931	376261	
			Field ID	JBH32_0.2-0.3	20250320QC_02		JBH32_0.2-0.3	20250320QA_02	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	20 Mar 2025	20 Mar 2025	RPD	20 Mar 2025	20 Mar 2025	RPD
	Unit	EQL							
Organochlorine Pesticides									
4,4-DDE	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
a-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
b-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
d-BHC	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
g-BHC (Lindane)	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Aldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Aldrin + Dieldrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Chlordane	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Chlordane (cis)	mg/kg	0.1	-	-	-	-	<0.1	-
Chlordane (trans)	mg/kg	0.1	-	-	-	-	<0.1	-
DDT	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
DDT+DDE+DDD	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Endosulfan I	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Endosulfan II	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Endosulfan sulphate	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Endrin	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Endrin aldehyde	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Endrin ketone	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-
Heptachlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Heptachlor Epoxide	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Hexachlorobenzene	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Methoxychlor	mg/kg	0.05	<0.05	<0.05	0	<0.05	<0.1	0
Mirex	mg/kg	0.1	-	-	-	-	<0.1	-
Toxaphene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chlorinated Alkanes								
1,1,1,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,1,1-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,1,2,2-tetrachloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,1,2-trichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,1-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2,3-trichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2-dichloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,2-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,3-dichloropropane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromochloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Carbon tetrachloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chloroethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Dichlorodifluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Dichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Trichlorofluoromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chlorinated Alkenes								
Vinyl Chloride	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,1-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
3-chloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
4-chlorotoluene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Tetrachloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Trichloroethene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Solvents								
Acetone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Polychlorinated Biphenyls								
Arochlor 1016	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1221	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1232	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1242	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1248	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1254	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
Arochlor 1260	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	1200931		1200931	376261	
			Field ID	JBH32_0.2-0.3	20250320QC_02		JBH32_0.2-0.3	20250320QA_02	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	20 Mar 2025	20 Mar 2025	RPD	20 Mar 2025	20 Mar 2025	RPD
	Unit	EQL							
PFAS									
Perfluorobutanoic acid (PFBA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoropentanoic acid (PFPeA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorohexanoic acid (PFHxA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-Methyl perfluorooctane sulfonamide (NMeFOSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	mg/kg	0.01	<0.01	<0.01	0	<0.01	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	mg/kg	0.01	<0.01	<0.01	0	<0.01	-	-
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorobutanesulfonic acid (PFBS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoropentanesulfonic acid (PFPeS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorooctanesulfonic acid (PFOS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Perfluorodecanesulfonic acid (PFDS)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	mg/kg	0.01	<0.01	<0.01	0	<0.01	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of PFHxS and PFOS	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of US EPA PFAS (PFOS + PFOA)*	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
Sum of WA DWER PFAS (n=10)*	mg/KG	0.01	<0.01	<0.01	0	<0.01	-	-
Sum of PFAS	mg/kg	0.05	<0.05	<0.05	0	<0.05	-	-
Perfluorononanesulfonic acid ion	mg/kg	0.005	<0.005	<0.005	0	<0.005	-	-
MAH									
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Styrene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Total MAH	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Isopropylbenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Miscellaneous Hydrocarbons									
1,2-dibromoethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Dibromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Iodomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chlorinated Benzenes									
1,2-Dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,3-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
1,4-dichlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chlorobenzene	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Trihalomethanes									
Dibromochloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Chloroform	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Tribromomethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Bromodichloromethane	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Organic Sulfur Compounds									
Carbon disulfide	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
EPA VIC - IWRG621									
Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
Other Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	<0.5	0	<0.5	-	-
PAHs (Vic EPA List)	mg/kg	0.5	28	18	43	28	-	-
Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Other Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	<0.1	0	<0.1	-	-
Asbestos - Eurofins									
Approximate Sample Mass	g		750	503	39	750	-	-
Mass ACM	g		4.0657	0	200	4.0657	-	-
Mass Asbestos in ACM	g		0.4066	0	200	0.4066	-	-
Asbestos from ACM in Soil	% (w/w)		0.0542	0	200	0.0542	-	-
Mass FA	g		0.0269	0.129	131	0.0269	-	-
Mass Asbestos in FA	g		0.0054	0.0258	131	0.0054	-	-
Mass AF	g		0	0	-	0	-	-
Mass asbestos in AF	g		0	0	-	0	-	-
Mass Asbestos in FA & AF	g		0.0054	0.0258	131	0.0054	-	-
ACM - Comment	Comment		1	1	0	1	-	-
FA- Comment	Comment		1	1	0	1	-	-
AF - Comment	Comment		1	1	0	1	-	-
Organic Fibres - Comment	Comment		1	1	0	1	-	-
Respirable Fibres - Comment	Comment		1	1	0	1	-	-
Synthetic Fibres - Comment	Comment		1	1	0	1	-	-
Asbestos Reported Result	Comment		1	1	0	1	-	-
Asbestos FA & AF in Soil	% (w/w)		0.0007	0.0051	152	0.0007	-	-
Asbestos - Envirolab									
Asbestos ID in Soil	g/kg		-	-	-	-	0	-
Total Asbestos	g/kg		-	-	-	-	<0.1	-
Asbestos (ACM >7mm) Estimation	% (w/w)		-	-	-	-	<0.01	-
Asbestos in soil (<2mm AF/FA) (%w/w)	% (w/w)		-	-	-	-	<0.001	-
Moisture Content									
Moisture Content	%	0.1	-	-	-	-	15	-
Other									
Moisture Content (dried @ 103°C)	%	1	12	10	18	12	-	-

**RPDs have only been considered where a concentration is greater than 1 times the EQL.

**Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier r

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Al

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	376261	
			Field ID	JBH32_0.2-0.3	20250320QA_02	
			Matrix Type	Soil	Soil	
			Date	20 Mar 2025	20 Mar 2025	RPD
	Unit	EQL				
Metals & Metalloids						
Arsenic	mg/kg	2	6.4	-	-	
Cadmium	mg/kg	0.4	0.6	-	-	
Chromium (III+VI)	mg/kg	1	9.8	-	-	
Copper	mg/kg	1	44	-	-	
Lead	mg/kg	1	640	-	-	
Mercury	mg/kg	0.1	0.3	-	-	
Nickel	mg/kg	1	<5	-	-	
Zinc	mg/kg	1	370	-	-	
TPHs (NEPC 1999)						
C6-C9 Fraction	mg/kg	20	<20	-	-	
C10-C14 Fraction	mg/kg	20	<20	-	-	
C15-C28 Fraction	mg/kg	50	64	-	-	
C29-C36 Fraction	mg/kg	50	54	-	-	
C10-C36 Fraction (Sum of Total)	mg/kg	50	118	-	-	
TRHs (NEPC 2013)						
C6-C10	mg/kg	20	<20	-	-	
C10-C16	mg/kg	50	<50	-	-	
C16-C34	mg/kg	100	100	-	-	
C34-C40	mg/kg	100	<100	-	-	
C10-C40 (Sum of total)	mg/kg	50	100	-	-	
F1 (C6-C10 minus BTEX)	mg/kg	20	<20	-	-	
F2 (C10-C16 less Naphthalene)	mg/kg	50	<50	-	-	
BTEXN						
Benzene	mg/kg	0.1	<0.1	-	-	
Toluene	mg/kg	0.1	<0.1	-	-	
Ethylbenzene	mg/kg	0.1	<0.1	-	-	
Xylene (o)	mg/kg	0.1	<0.1	-	-	
Xylene (m & p)	mg/kg	0.2	<0.2	-	-	
Xylene Total	mg/kg	0.3	<0.3	-	-	
Naphthalene_VOC	mg/kg	0.5	<0.5	-	-	
PAH						
PAHs (Sum of positives)	µg/kg	50	-	-	-	
Acenaphthene	mg/kg	0.1	<0.5	-	-	
Acenaphthylene	mg/kg	0.1	<0.5	-	-	
Anthracene	mg/kg	0.1	<0.5	-	-	
Benz(a)anthracene	mg/kg	0.1	4.4	-	-	
Benzo(a)pyrene	mg/kg	0.05	1.5	-	-	
Benzo(a)pyrene TEQ (LOR)	mg/kg	0.5	2.9	-	-	
Benzo(a)pyrene TEQ calc (Half)	mg/kg	0.5	2.7	-	-	
Benzo(a)pyrene TEQ calc (Zero)	mg/kg	0.5	2.4	-	-	
Benzo(b+j)fluoranthene	mg/kg	0.5	1.3	-	-	
Benzo(b+j+k)fluoranthene	mg/kg	0.2	-	-	-	
Benzo(g,h,i)perylene	mg/kg	0.1	1.2	-	-	
Benzo(k)fluoranthene	mg/kg	0.5	1.9	-	-	
Chrysene	mg/kg	0.1	3.3	-	-	
Dibenz(a,h)anthracene	mg/kg	0.1	<0.5	-	-	
Fluoranthene	mg/kg	0.1	4.5	-	-	
Fluorene	mg/kg	0.1	<0.5	-	-	
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	1.3	-	-	
Naphthalene	mg/kg	0.1	<0.5	-	-	
Phenanthrene	mg/kg	0.1	3.2	-	-	
Pyrene	mg/kg	0.1	5	-	-	

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	376261	
			Field ID	JBH32_0.2-0.3	20250320QA_02	
			Matrix Type	Soil	Soil	
			Date	20 Mar 2025	20 Mar 2025	RPD
	Unit	EQL				
Organochlorine Pesticides						
4,4-DDE	mg/kg	0.05	<0.05	-	-	
a-BHC	mg/kg	0.05	<0.05	-	-	
b-BHC	mg/kg	0.05	<0.05	-	-	
d-BHC	mg/kg	0.05	<0.05	-	-	
g-BHC (Lindane)	mg/kg	0.05	<0.05	-	-	
Aldrin	mg/kg	0.05	<0.05	-	-	
Dieldrin	mg/kg	0.05	<0.05	-	-	
Aldrin + Dieldrin	mg/kg	0.05	<0.05	-	-	
Chlordane	mg/kg	0.1	<0.1	-	-	
Chlordane (cis)	mg/kg	0.1	-	-	-	
Chlordane (trans)	mg/kg	0.1	-	-	-	
DDT	mg/kg	0.05	<0.05	-	-	
DDD	mg/kg	0.05	<0.05	-	-	
DDT+DDE+DDD	mg/kg	0.05	<0.05	-	-	
Endosulfan I	mg/kg	0.05	<0.05	-	-	
Endosulfan II	mg/kg	0.05	<0.05	-	-	
Endosulfan sulphate	mg/kg	0.05	<0.05	-	-	
Endrin	mg/kg	0.05	<0.05	-	-	
Endrin aldehyde	mg/kg	0.05	<0.05	-	-	
Endrin ketone	mg/kg	0.05	<0.05	-	-	
Heptachlor	mg/kg	0.05	<0.05	-	-	
Heptachlor Epoxide	mg/kg	0.05	<0.05	-	-	
Hexachlorobenzene	mg/kg	0.05	<0.05	-	-	
Methoxychlor	mg/kg	0.05	<0.05	-	-	
Mirex	mg/kg	0.1	-	-	-	
Toxaphene	mg/kg	0.5	<0.5	-	-	
Chlorinated Alkanes						
1,1,1,2-tetrachloroethane	mg/kg	0.5	<0.5	-	-	
1,1,1-trichloroethane	mg/kg	0.5	<0.5	-	-	
1,1,2,2-tetrachloroethane	mg/kg	0.5	<0.5	-	-	
1,1,2-trichloroethane	mg/kg	0.5	<0.5	-	-	
1,1-dichloroethane	mg/kg	0.5	<0.5	-	-	
1,2,3-trichloropropane	mg/kg	0.5	<0.5	-	-	
1,2-dichloroethane	mg/kg	0.5	<0.5	-	-	
1,2-dichloropropane	mg/kg	0.5	<0.5	-	-	
1,3-dichloropropane	mg/kg	0.5	<0.5	-	-	
Bromochloromethane	mg/kg	0.5	<0.5	-	-	
Carbon tetrachloride	mg/kg	0.5	<0.5	-	-	
Chloroethane	mg/kg	0.5	<0.5	-	-	
Chloromethane	mg/kg	0.5	<0.5	-	-	
Dichlorodifluoromethane	mg/kg	0.5	<0.5	-	-	
Dichloromethane	mg/kg	0.5	<0.5	-	-	
Trichlorofluoromethane	mg/kg	0.5	<0.5	-	-	
Chlorinated Alkenes						
Vinyl Chloride	mg/kg	0.5	<0.5	-	-	
1,1-dichloroethene	mg/kg	0.5	<0.5	-	-	
3-chloropropene	mg/kg	0.5	<0.5	-	-	
4-chlorotoluene	mg/kg	0.5	<0.5	-	-	
cis-1,2-dichloroethene	mg/kg	0.5	<0.5	-	-	
cis-1,3-dichloropropene	mg/kg	0.5	<0.5	-	-	
Tetrachloroethene	mg/kg	0.5	<0.5	-	-	
trans-1,2-dichloroethene	mg/kg	0.5	<0.5	-	-	
trans-1,3-dichloropropene	mg/kg	0.5	<0.5	-	-	
Trichloroethene	mg/kg	0.5	<0.5	-	-	
Solvents						
Acetone	mg/kg	0.5	<0.5	-	-	
Polychlorinated Biphenyls						
Arochlor 1016	mg/kg	0.1	<0.1	-	-	
Arochlor 1221	mg/kg	0.1	<0.1	-	-	
Arochlor 1232	mg/kg	0.1	<0.1	-	-	
Arochlor 1242	mg/kg	0.1	<0.1	-	-	
Arochlor 1248	mg/kg	0.1	<0.1	-	-	
Arochlor 1254	mg/kg	0.1	<0.1	-	-	
Arochlor 1260	mg/kg	0.1	<0.1	-	-	
PCBs (Sum of total)	mg/kg	0.1	<0.1	-	-	

Project Number: 68063 Project Name: Waterloo Redevelopment Precinct , Stockland

Field or Interlab Duplicates

			Lab Report Number	1200931	376261	
			Field ID	JBH32_0.2-0.3	20250320QA_02	
			Matrix Type	Soil	Soil	
			Date	20 Mar 2025	20 Mar 2025	RPD
	Unit	EQL				
PFAS						
Perfluorobutanoic acid (PFBA)	mg/kg	0.005	<0.005	-	-	
Perfluoropentanoic acid (PFPeA)	mg/kg	0.005	<0.005	-	-	
Perfluorohexanoic acid (PFHxA)	mg/kg	0.005	<0.005	-	-	
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.005	<0.005	-	-	
Perfluorooctanoic acid (PFOA)	mg/kg	0.005	<0.005	-	-	
Perfluorononanoic acid (PFNA)	mg/kg	0.005	<0.005	-	-	
Perfluorodecanoic acid (PFDA)	mg/kg	0.005	<0.005	-	-	
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.005	<0.005	-	-	
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.005	<0.005	-	-	
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.005	<0.005	-	-	
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.005	<0.005	-	-	
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.005	<0.005	-	-	
N-Methyl perfluorooctane sulfonamide (NMeFOSA)	mg/kg	0.005	<0.005	-	-	
N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	mg/kg	0.005	<0.005	-	-	
N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	mg/kg	0.005	<0.005	-	-	
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	mg/kg	0.005	<0.005	-	-	
N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	mg/kg	0.01	<0.01	-	-	
N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	mg/kg	0.01	<0.01	-	-	
Perfluoropropanesulfonic acid (PFPrS)	mg/kg	0.005	<0.005	-	-	
Perfluorobutanesulfonic acid (PFBS)	mg/kg	0.005	<0.005	-	-	
Perfluoropentanesulfonic acid (PFPeS)	mg/kg	0.005	<0.005	-	-	
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	0.005	<0.005	-	-	
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.005	<0.005	-	-	
Perfluorooctanesulfonic acid (PFOS)	mg/kg	0.005	<0.005	-	-	
Perfluorodecanesulfonic acid (PFDS)	mg/kg	0.005	<0.005	-	-	
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	mg/kg	0.005	<0.005	-	-	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	mg/kg	0.01	<0.01	-	-	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	mg/kg	0.005	<0.005	-	-	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	mg/kg	0.005	<0.005	-	-	
Sum of PFHxS and PFOS	mg/kg	0.005	<0.005	-	-	
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	mg/kg	0.005	<0.005	-	-	
Sum of US EPA PFAS (PFOS + PFOA)*	mg/kg	0.005	<0.005	-	-	
Sum of WA DWER PFAS (n=10)*	mg/KG	0.01	<0.01	-	-	
Sum of PFAS	mg/kg	0.05	<0.05	-	-	
Perfluorononanesulfonic acid ion	mg/kg	0.005	<0.005	-	-	
MAH						
1,2,4-trimethylbenzene	mg/kg	0.5	<0.5	-	-	
1,3,5-trimethylbenzene	mg/kg	0.5	<0.5	-	-	
Styrene	mg/kg	0.5	<0.5	-	-	
Total MAH	mg/kg	0.5	<0.5	-	-	
Bromobenzene	mg/kg	0.5	<0.5	-	-	
Isopropylbenzene	mg/kg	0.5	<0.5	-	-	
Miscellaneous Hydrocarbons						
1,2-dibromoethane	mg/kg	0.5	<0.5	-	-	
Bromomethane	mg/kg	0.5	<0.5	-	-	
Dibromomethane	mg/kg	0.5	<0.5	-	-	
Iodomethane	mg/kg	0.5	<0.5	-	-	
4-Methyl-2-pentanone	mg/kg	0.5	<0.5	-	-	
Methyl Ethyl Ketone	mg/kg	0.5	<0.5	-	-	
Chlorinated Benzenes						
1,2-Dichlorobenzene	mg/kg	0.5	<0.5	-	-	
1,3-dichlorobenzene	mg/kg	0.5	<0.5	-	-	
1,4-dichlorobenzene	mg/kg	0.5	<0.5	-	-	
Chlorobenzene	mg/kg	0.5	<0.5	-	-	
Trihalomethanes						
Dibromochloromethane	mg/kg	0.5	<0.5	-	-	
Chloroform	mg/kg	0.5	<0.5	-	-	
Tribromomethane	mg/kg	0.5	<0.5	-	-	
Bromodichloromethane	mg/kg	0.5	<0.5	-	-	
Organic Sulfur Compounds						
Carbon disulfide	mg/kg	0.5	<0.5	-	-	
EPA VIC - IWRG621						
Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	-	-	
Other Chlorinated Hydrocarbons EPAVic	mg/kg	0.5	<0.5	-	-	
PAHs (Vic EPA List)	mg/kg	0.5	28	-	-	
Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	-	-	
Other Organochlorine Pesticides EPAVic	mg/kg	0.1	<0.1	-	-	
Asbestos - Eurofins						
Approximate Sample Mass	g		750	-	-	
Mass ACM	g		4.0657	-	-	
Mass Asbestos in ACM	g		0.4066	-	-	
Asbestos from ACM in Soil	% (w/w)		0.0542	-	-	
Mass FA	g		0.0269	-	-	
Mass Asbestos in FA	g		0.0054	-	-	
Mass AF	g		0	-	-	
Mass asbestos in AF	g		0	-	-	
Mass Asbestos in FA & AF	g		0.0054	-	-	
ACM - Comment	Comment		1	-	-	
FA- Comment	Comment		1	-	-	
AF - Comment	Comment		1	-	-	
Organic Fibres - Comment	Comment		1	-	-	
Respirable Fibres - Comment	Comment		1	-	-	
Synthetic Fibres - Comment	Comment		1	-	-	
Asbestos Reported Result	Comment		1	-	-	
Asbestos FA & AF in Soil	% (w/w)		0.0007	-	-	
Asbestos - Envirolab						
Asbestos ID in Soil	g/kg		-	-	-	
Total Asbestos	g/kg		-	-	-	
Asbestos (ACM >7mm) Estimation	% (w/w)		-	-	-	
Asbestos in soil (<2mm AF/FA) (%w/w)	% (w/w)		-	0.0002	-	
Moisture Content						
Moisture Content	%	0.1	-	-	-	
Other						
Moisture Content (dried @ 103°C)	%	1	12	-	-	

***RPDs have only been considered where a concentration is greater than 1 times the EQL.**

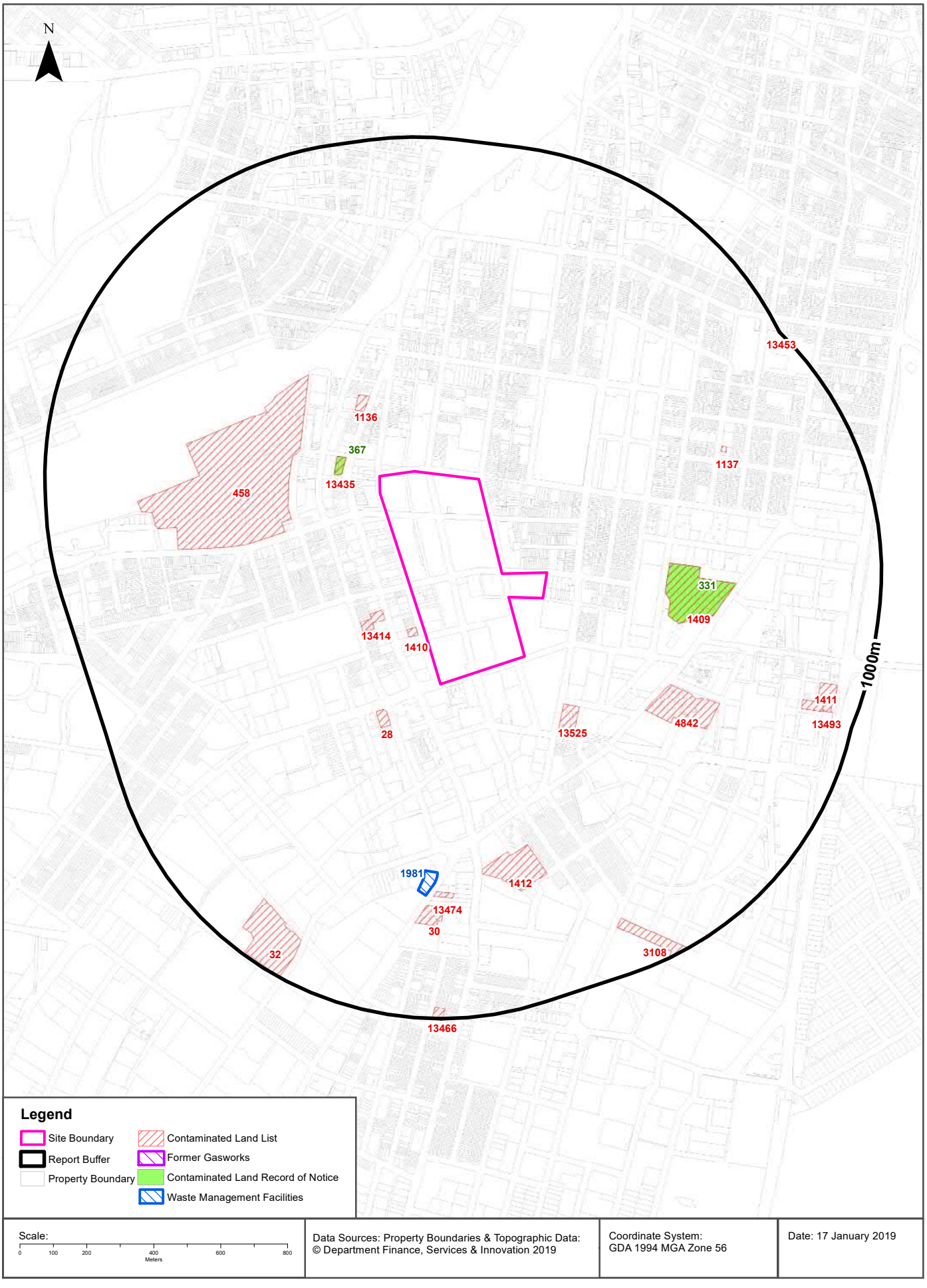
****Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier r**

*****Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. A**

Appendix H Lot Search Extracts (AECOM 2020)

Contaminated Land & Waste Management Facilities

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



Contaminated Land & Waste Management Facilities

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

List of NSW contaminated sites notified to EPA

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

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist (m)	Direction
1410	Proposed Construction Site	2 John Street	Waterloo	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	21m	South West
13414	Alexandria Gardens	146-156 Wyndham Street & 146-156 Botany ROAD	ALEXANDRIA	Unclassified	Regulation under CLM Act not required	Current EPA List	Premise Match	100m	South West
13435	Formerly Gas N Go Alexandria (fully redeveloped into residential apartment as of September 2016)	10-20 Botany ROAD	ALEXANDRIA	Service Station	Under assessment	Current EPA List	Premise Match	110m	North West
28	Caltex Alexandria Service Station	133 Wyndham St, cnr McEvoy Street	Alexandria	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	182m	South West
13525	Iconic (Former Chubb Factory) Waterloo	830-838 Elizabeth STREET	WATERLOO	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	185m	South East
1136	BP Service Station	116 Regent Street	Redfern	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	200m	North West
458	Australian Technology Park	Henderson Road	Eveleigh	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	250m	North West
1409	Lawrence Dry Cleaners	887-893 Bourke Street	Waterloo	Unclassified	Contamination currently regulated under CLM Act	Current EPA List	Premise Match	358m	East
4842	Diversity Waterloo	1-13 Archibald Avenue	Waterloo	Other Industry	Under assessment	Current EPA List	Premise Match	395m	South East
1412	Waverley Woollahra Process Plant	355 Botany Road	Waterloo	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	537m	South
13474	Former Industrial Site (now Value Suites)	16 O'Riordan STREET	ALEXANDRIA	Other Industry	Under assessment	Current EPA List	Premise Match	622m	South
1137	Former Printing Works	101a Marriott Street	Redfern	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	633m	North East
30	Former Mobil Service Station	20 O'Riordan Street	Alexandria	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	665m	South
32	Perry Park	1B Maddox Street	Alexandria	Landfill	Regulation under CLM Act not required	Current EPA List	Premise Match	830m	South West

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist (m)	Direction
13493	22-24 Archibald Avenue	22-24 Archibald AVENUE	WATERLOO	Other Petroleum	Under assessment	Current EPA List	Premise Match	834m	East
3108	Energy Australia/ Ausgrid Zetland Depot	122 - 138 Joynton Avenue	Zetland	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	835m	South East
1411	Shell Coles Express Service Station	867-877 South Dowling Street	Waterloo	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	866m	East
13466	63-85 Victoria St, Beaconsfield	63-85 Victoria Street	BEACONSFIELD	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	966m	South
13453	BP-branded Jasbe Surry Hills	411 Cleveland STREET	Redfern	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	994m	North East

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

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

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land & Waste Management Facilities

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
367	Formerly Gas N Go Alexandria (fully redevloped into residential apartments)	10-20 Botany Road	Alexandria	2 current	3401	Premise Match	110m	North West
331	Lawrence Dry Cleaners	887-893 Bourke Street	Waterloo	8 current and 3 former	3377	Premise Match	358m	East

Contaminated Land Records of Notice Data Source: Environment Protection Authority
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Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

Former Gasworks within the dataset buffer:

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

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

National Waste Management Site Database

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

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist (m)	Direction
1981	Cardinal Group Pty Ltd	Reefway Waste	3-7 O'Riordan Street	Alexandria	Multi-Purpose		Operational	Operational		Premise Match	559m	South

Waste Management Facilities Data Source: Geoscience Australia
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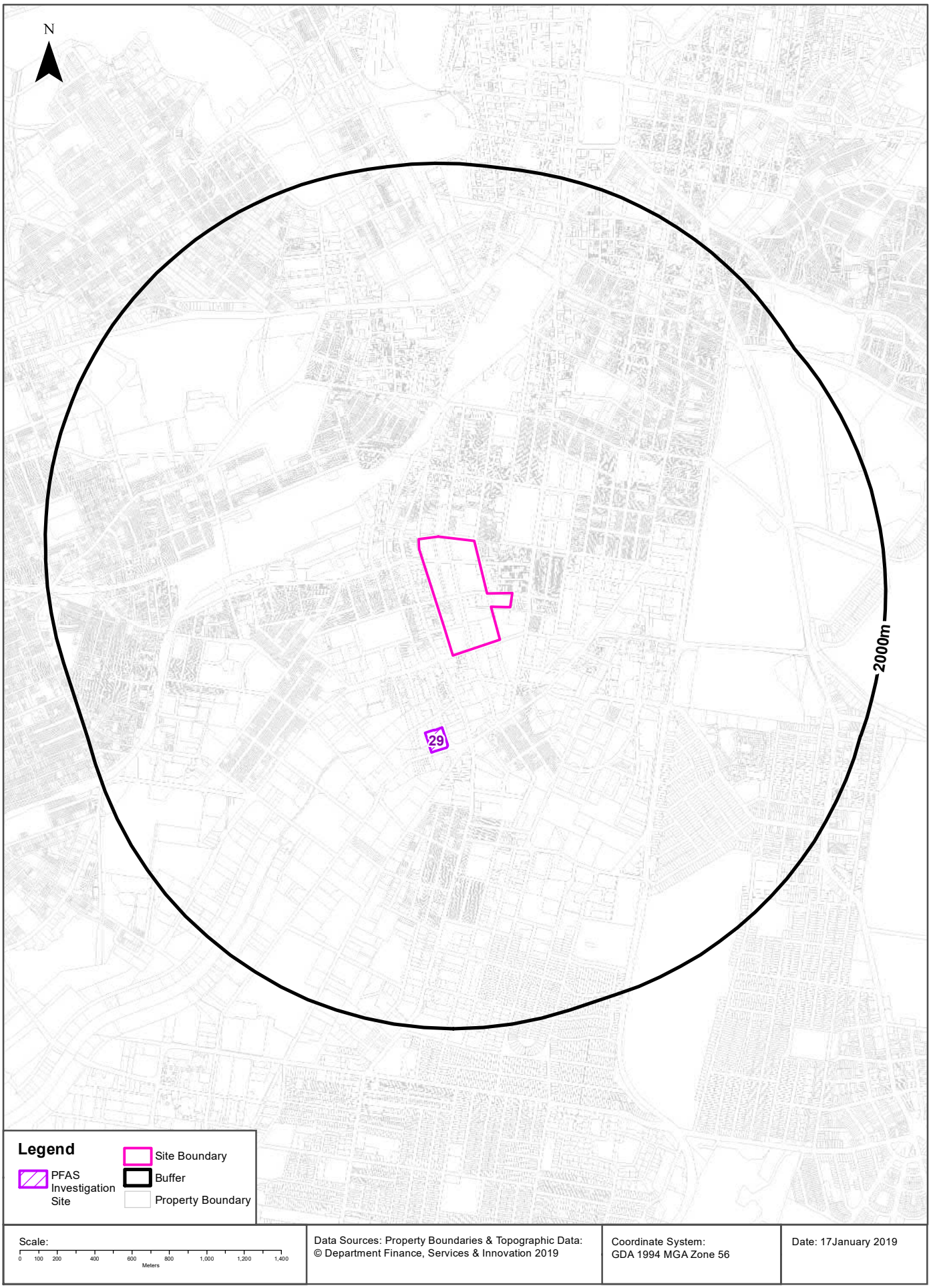
EPA PFAS Investigation Program

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



EPA PFAS Investigation Program

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

EPA PFAS Investigation Program

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

Id	Site	Address	Location Confidence	Distance	Direction
29	Alexandria Fire and Rescue NSW	189 Wyndham Street Alexandria	Premise Match	392m	South

EPA PFAS Investigation Program: Environment Protection Authority
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EPA Other Sites with Contamination Issues

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

EPA Other Sites with Contamination Issues

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

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

Sites within the dataset buffer:

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

EPA Other Sites with Contamination Issues: Environment Protection Authority
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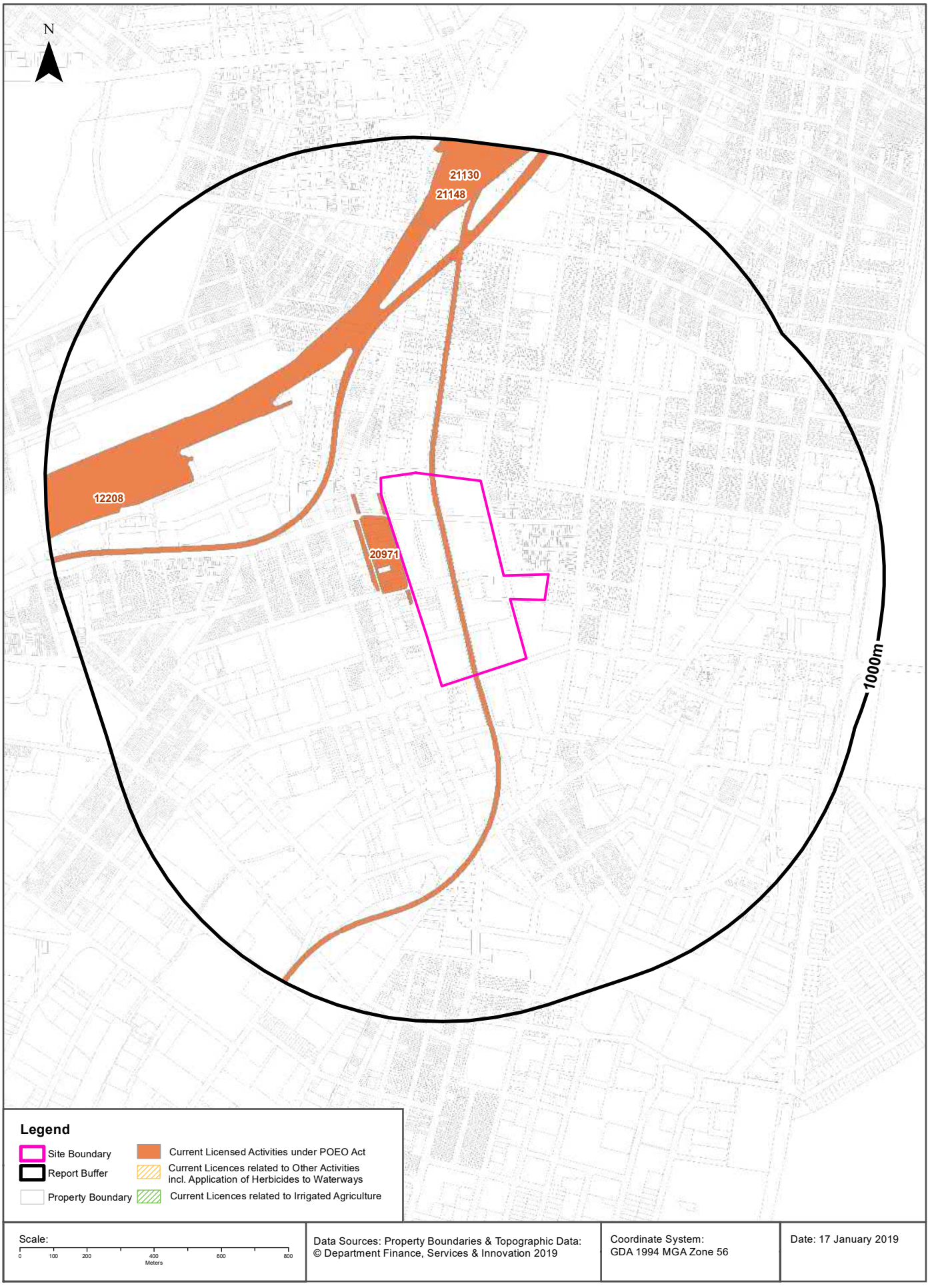
Current EPA Licensed Activities

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



EPA Activities

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

Licensed Activities under the POEO Act 1997

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

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
12208	SYDNEY TRAINS		PO BOX K349, HAYMARKET, NSW 1238		Railway systems activities	Road Match	0m	Onsite
20971	JOHN HOLLAND PTY LTD	Sydney Metro City & Southwest Tunnels and Excavation Works	locations between Chatswood railway station and Sydenham railway station, SYDNEY, NSW 2000	SYDNEY, NSW	Concrete works, Railway systems activities	Network of Features	1m	West
21130	DOWNER EDI WORKS PTY LTD		Parts of Lot 118 DP1078271 and Lot 103 DP1188890, SYDNEY, NSW 2000		Railway systems activities	Premise Match	727m	North
21148	Laing O'Rourke Australia Construction Pty Ltd		CENTRAL RAILWAY STATION - SYDNEY METRO CENTRAL MAIN WORKS, HAYMARKET, NSW 2000		Railway systems activities	Premise Match	727m	North

POEO Licence Data Source: Environment Protection Authority
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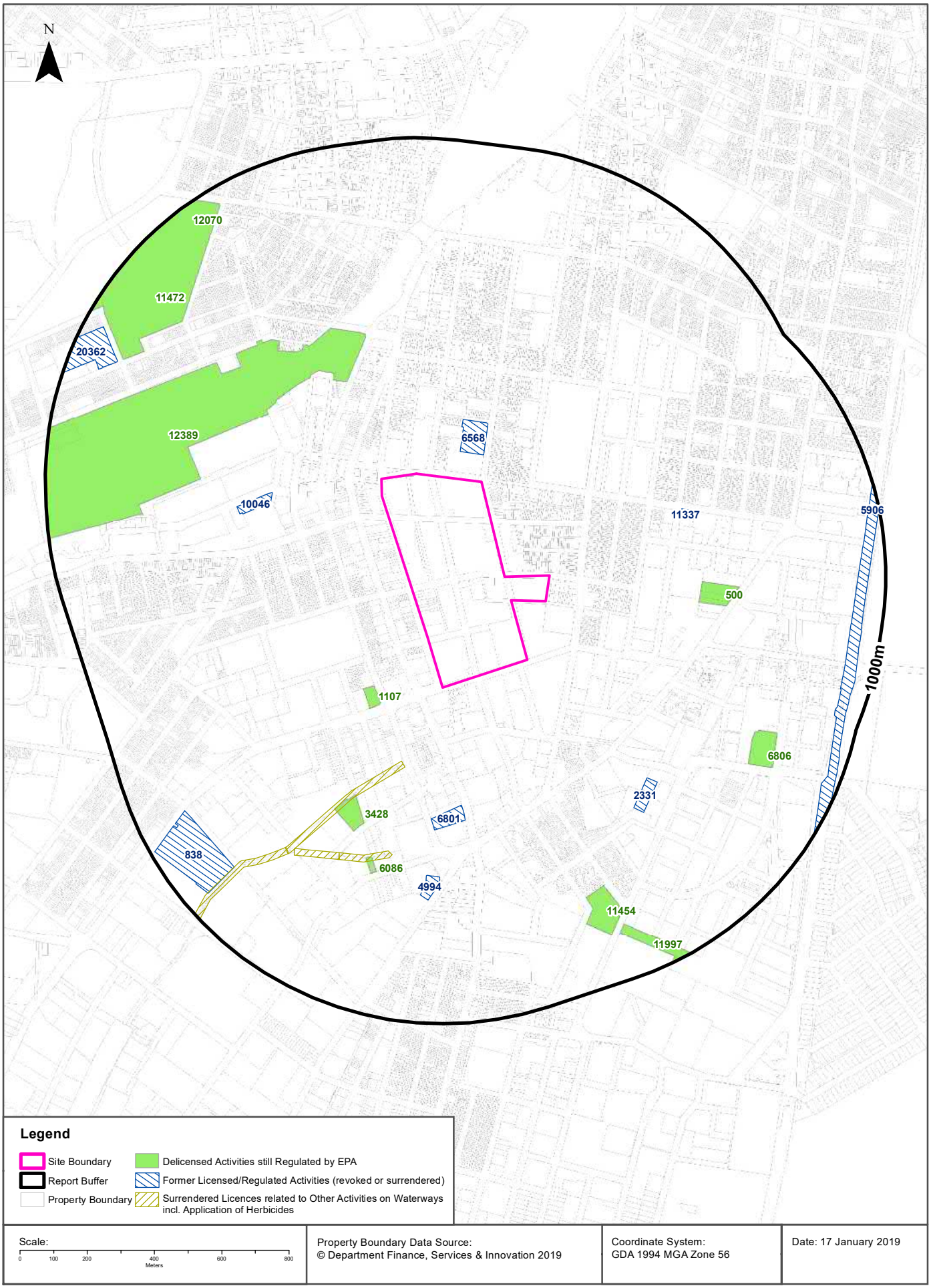
Delicensed & Former Licensed EPA Activities

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



EPA Activities

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
1107	METROMIX PTY. LIMITED	ABLE ALEXANDRIA	131 WYNDHAM STREET	ALEXANDRIA	Concrete works	Premise Match	188m	South West
12389	RAIL CORPORATION NEW SOUTH WALES	Xplorer Service Centre	Henderson Road (off)	EVELEIGH	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	307m	North West
3428	CONCRITE PTY LTD	CONCRITE PTY LIMITED	25 MANDIBLE STREET	ALEXANDRIA	Concrete works	Premise Match	410m	South West
500	LAWRENCE DRY CLEANERS PTY LTD	LAWRENCE DRY CLEANERS	887 BOURKE STREET	WATERLOO	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	451m	East
6086	AUSTRALIAN METAL CO PTY LTD	AUSTRALIAN METAL CO PTY LTD	15 BOURKE ROAD	ALEXANDRIA	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	546m	South
6806	HEIDELBERG GRAPHIC EQUIPMENT LIMITED	HEIDELBERG GRAPHIC EQUIPMENT LIMITED	50 O'DEA AVENUE	WATERLOO	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	708m	South East
11454	DAIMLERCHRYSLER AUSTRALIA/PACIFIC PTY LTD	MERCEDES-BENZ OF SYDNEY	Cnr Joynton & Elizabeth Streets	ZETLAND	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	708m	South East
12070	THE UNIVERSITY OF SYDNEY	The University of Sydney	Camperdown & Darlington Campuses	SYDNEY UNIVERSITY	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	756m	North West
11997	AUSGRID	Energy Australia	122-138 Joyton Avenue	ZETLAND	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	835m	South East
11472	INTEC LTD	INTEC LTD	Room 427, Building J01, Maze Crescent, the University of Sydney	DARLINGTON	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	837m	North West

Delicensed Activities Data Source: Environment Protection Authority
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Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

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

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
6568	SYDNEY SOUTH WEST AREA HEALTH SERVICE	150 PITT ST, REDFERN, NSW 2016	Surrendered	04/08/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	80m	North
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered		Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	250m	-

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Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered		Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	250m	-
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered		Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	250m	-
10046	JOHNSON & JOHNSON RESEARCH PTY LTD	1 CENTRAL AVENUE, EVELEIGH, NSW 1430	Surrendered	25/11/1999	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	326m	West
6801	LEGRAND AUSTRALIA PTY LTD	298 BOTANY ROAD, ALEXANDRIA, NSW 2015	Surrendered	23/03/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	353m	South
11337	DAVID GRAPHICS PTY LIMITED	165 Phillip Street, WATERLOO, NSW 2017	Surrendered	31/01/2001	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	427m	East
2331	EMWEST PRODUCTS PTY LIMITED	JOYNTON AVE, WATERLOO, NSW 2017	Surrendered	24/03/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	499m	South East
4994	CARDINAL GROUP PTY LTD	3-7 O'RIORDAN ST, ALEXANDRIA, NSW 2015	Revoked	02/05/2000	Waste storage - other types of waste; Non-thermal treatment of general waste	Premise Match	559m	South
838	CSR VIRIDIAN LIMITED	8-40 EUSTON ROAD, ALEXANDRIA, NSW 2015	Surrendered	20/06/2001	Glass production (float), Ceramic waste generation	Premise Match	819m	South West
20362	JOHN HOLLAND PTY LTD	University of Sydney Darlington Campus, Corner Codrington and Abercrombie Streets, DARLINGTON	Surrendered	20/01/2014	Land-based extractive activity	Premise Match	860m	North West
5906	CPB CONTRACTORS PTY LIMITED	EASTERN DISTRIBUTOR PROJECT, FROM CAHILL EXPRESSWAY, WOOLLOOMOOLOO TO LINK ROAD,, KENSINGTON	Surrendered	30/03/2000	Road construction	Road Match	908m	East

Former Licensed Activities Data Source: Environment Protection Authority
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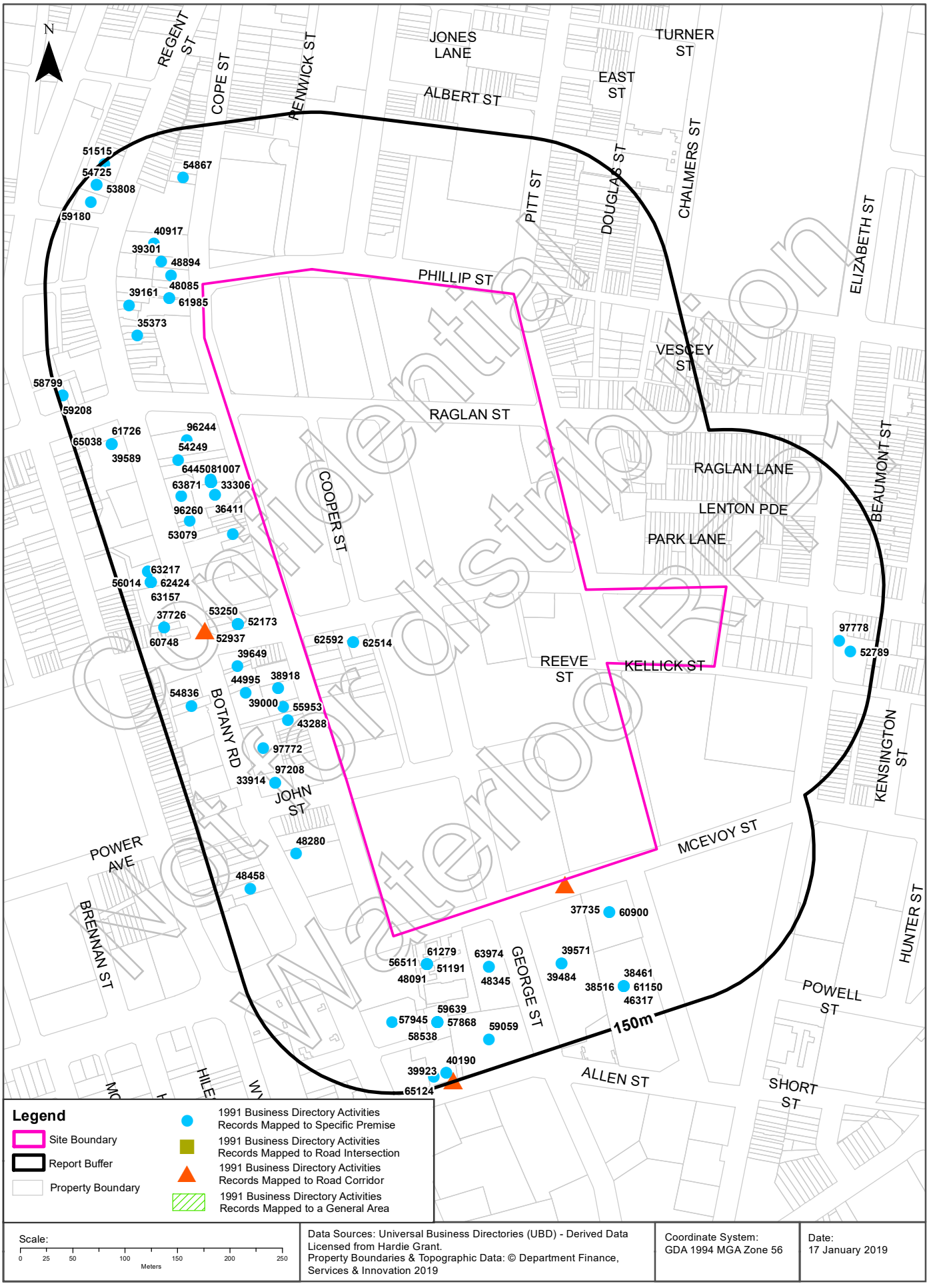
UPSS Sensitive Zones

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1991 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1991 Business to Business Directory Records Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Signs Neon &/or Illuminated	Health Signs, 116 Wellington St Waterloo 2017	62592	Premise Match	0m	Onsite
Signs General	Health Signs, 116 Wellington St Waterloo 2017	62514	Premise Match	0m	Onsite
Importers	Academy Import Export, 82 Cope St., Redfern 2016	48894	Premise Match	31m	North West
Boat, Launch &/or Yacht Equipment	Basham, R. W. Pty. Ltd., 146 Cope St., Waterloo 2017	36205	Premise Match	31m	West
Haberdashery Wholesale	Bowner Robert C. Pty. Ltd., 86 Cope St., Redfern .2016	48085	Premise Match	32m	North West
Sewing Cotton, Silk &/or Thread Mfrs &/or Dists	Sewing Thread Specialist Pty Ltd, 86 Cope St Redfern 2016	61985	Premise Match	32m	North West
Typesetters	Adcraft Graphic Design Pty Ltd, 126 Cope St Waterloo 2017	65098	Premise Match	35m	North West
Chemists Industrial	McLean, A. R. & Co Pty. Ltd., 180 Cope St. Waterloo 2017	39000	Premise Match	35m	South West
Chemical Mfrs &/or Imps &/or Dists	McLean, A. R. & Co. Pty. Ltd, 180 Cope St., Waterloo 2017	38918	Premise Match	35m	South West
Toilet Paper Mfrs &/or Dists	Daines Harry Pty Ltd, 128 Cope St Waterloo 2017	64450	Premise Match	36m	North West
Store &/or Packing Room Equipment Mfrs &/or Dists	Daines Harry Pty Ltd, 128 Cope St Waterloo 2017	63620	Premise Match	36m	North West
Tape Adhesive Mfrs &/or Imps &/or Dists	Daines, Harry Pty Ltd, 128 Cope St Waterloo 2017	63871	Premise Match	36m	North West
Paper Products Disposable Mfrs &/or Dists	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo .2017	56788	Premise Match	36m	North West
Electric Tools Mfrs &/or Dists	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo 2017	42342	Premise Match	36m	North West
Packaging Materials Mfrs &/or Dists	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo. 2017	56359	Premise Match	36m	North West
Abrasive Merchants	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo 2017	33306	Premise Match	36m	North West
Packaging Services	HARRY DAINES PTY LTD, 128 Cope Street, Waterloo 2017	56468	Premise Match	36m	North West
PACKAGING SERVICES.	Harry Daines Pty Ltd.,128 Cope St Waterloo Nsw, New South Wales	81007	Premise Match	36m	North West
Manufacturers Agents	Australian Commercial Co Pty Ltd, 52 McEvoy St., Waterloo 2017	51191	Premise Match	36m	South
Haberdashery Wholesale	Hatbands Pty. Ltd., 52 McEvoy St., Waterloo .2017	48090	Premise Match	36m	South
Haberdashery Wholesale	Hatbands Pty. Ltd., 52 McEvoy St., Waterloo .2017	48091	Premise Match	36m	South
Hat &/or Cap Mfrs Supplies	Hatbands Pty. Ltd., 52 McEvoy St., Waterloo. 2017	48232	Premise Match	36m	South
Plastic Converters	Multapex Pty. Ltd., 52 McEvoy St., Waterloo. 2017	57825	Premise Match	36m	South
Printers Supplies & Services	Multapex Pty. Ltd.52 McEvoy St Waterloo 2017	59444	Premise Match	36m	South
Rope, Cordage &/or Twine Mfrs &/or Dists	Tapex Pty. Ltd., 52 McEvoy St Waterloo. 2017	61279	Premise Match	36m	South
Packaging Services	Tapex Pty. Ltd., 52 McEvoy St., Waterloo. 2017	56511	Premise Match	36m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Office Equipment &/or Supplies Mfrs &/or Imps &/or W/salers	Aztec Office Systems Pty. Ltd., 184 Cope St., Waterloo. 2017	55953	Premise Match	36m	South West
Engine Reconditioners	New Process Engine Reconditioning, 186 Cope St., Waterloo 2017	43288	Premise Match	36m	South West
Printers Lithographic (Offset)	Bragg, Edgar & Sons Pty. Ltd, 130 Cope St., Waterloo. 2017	59050	Premise Match	36m	West
Bookbinders &/or Paper Rulers	Bragg, Edgar & Sons Pty. Ltd., 130 Cope St. Waterloo 2017	36411	Premise Match	36m	West
Recycling Waste Products	Gulf Seaward Computer Security Pty. Ltd., 38 McEvoy St Waterloo 2017	60900	Premise Match	43m	South East
Business Records Destruction	Gulf Seaward Computer Security Pty. Ltd., 38 McEvoy St, Waterloo 2017	37735	Premise Match	43m	South East
Machinery Merchants Secondhand	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo. 2017	96244	Premise Match	45m	North West
Clothing Mfrs &/or W/salers General	Vinh Hung Clothing Manufacturer, 80A Cope St., Redfern 2016	39301	Premise Match	45m	North West
Motor Clutch Specialists	Joseph Bros Pty Ltd, 129 Wellington St, Waterloo 2017	52870	Premise Match	53m	West
Motor Engine Reconditioners	Joseph Bros Pty Ltd, 129 Wellington St, Waterloo 2017	52937	Premise Match	53m	West
Motor Brake Specialists	Joseph Bros Pty Ltd, 129 Wellington St., Waterloo 2017	52279	Premise Match	53m	West
Motor Engineers	Joseph Bros. Pty Ltd, 129 Wellington St, Waterloo 2017	53250	Premise Match	53m	West
Motor Engine Reconditioners	Joseph Bros. Pty. Ltd., 129 Wellington St., Waterloo 2017	96351	Premise Match	53m	West
Motor Brake &/or Spare Parts Mfrs &/or Imps &/or W/salers	Joseph Bros. Pty. Ltd., 129 Wellington St., Waterloo. 2017	52173	Premise Match	53m	West
Motor Brake Lining Mfrs &/or Dists	Joseph Bros. Pty. Ltd., 129 Wellington St., Waterloo. 2017	52195	Premise Match	53m	West
Television Close Circuit Mfrs &/or Imps &/or Dists	Falk Electrosound Group, Unit 1/340 George St Waterloo 2017	63974	Premise Match	57m	South
Hi-Fedelity Equipment Mfrs &/or Dists	Falk Electrosound Group., Unit 1/340 George St., Waterloo. 2017	48345	Premise Match	57m	South
Motor Panel Beaters &/or Spray Painters	Car Builders Pty Ltd, 65 Botany Rd, Waterloo 2017	54249	Premise Match	59m	North West
Cosmetic Mfrs &/or W/Salers	Trimex Pty. Ltd., 213 Botany Rd., Waterloo 2017	40917	Premise Match	60m	North West
Bakers	Vicki's Hot Bread, 33 Botany Rd, Alexandria 2015	35373	Premise Match	64m	North West
Motor Garages & Service Stations	Alexandria Auto Port, 159 Botany Rd., Waterloo 2017	97772	Premise Match	66m	South West
Air Conditioning Industrial, Commercial &/or Domestic Specialists	Carrera Refrigeration & Air Conditioning Pty. Ltd., 161 Botany Rd., Waterloo 2017	33914	Premise Match	66m	South West
Motor Garages & Service Stations	Harxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo 2017	97208	Premise Match	66m	South West
Health Foods Mfrs &/or Dists	Natural Grocer, The, 173 Botany Rd., Waterloo. 2017	48280	Premise Match	66m	South West
Engineers Supplies	Winnick Machines (Rupas Aust.) Pty Ltd, 133 Botany Rd., Waterloo 2017	44995	Premise Match	66m	South West
Motor Engineers	Chris & Con Motor Repairs, 85 Botany Rd, Waterloo 2017	53079	Premise Match	66m	West
Clothing Presser For Trade	Danny Pressing Service, 125 Botany Rd, Waterloo 2017	39649	Premise Match	66m	West
Motor Garages & Service Stations	Marc Petrol Pty. Ltd., 69 Botany Rd., Waterloo 2017	96260	Premise Match	67m	West
Cleanser &/or Cleaning Preparations Mfrs &/or Dists	Soap Collection, The, 23 Botany Rd., Alexandria 2015	39161	Premise Match	71m	North West
Clothing Mfrs &/or W/salers Mens &/or Boys Wear	Farah (Australia) Pty Ltd, 40 McEvoy St, Waterloo 2017	39484	Premise Match	75m	South
Clothing Mfrs &/or W/salers Sportswear	Farah (Australia) Pty Ltd, 40 McEvoy St, Waterloo 2017	39571	Premise Match	75m	South
Fibreglass Products Mfrs &/or Dists	Flylite Pty Ltd, 189 Botany Rd Waterloo 2017	45479	Premise Match	82m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Electric Motor Winding &/or Rewinding Specialists	Butler & Smith Pty Ltd, 10 James St, Waitara 2077	42210	Premise Match	91m	South
Power Tool Repairers	Butler & Smith Pty. Ltd., 10 James St., Waitara 2077	58538	Premise Match	91m	South
Power Tools	Butler & Smith Pty. Ltd., 10 James St., Waterloo. 2017	58550	Premise Match	91m	South
Property Management	L & G Management Pty. Ltd., 10 James St Waterloo 2017	59639	Premise Match	91m	South
Hairdressers &/or Beauty Salon Supplies	Plasticorp Pty. Ltd., 10 James St., Waterloo. 2017	48110	Premise Match	91m	South
Plastic Goods Mfrs &/or Imps &/or Dists	PLASTICCORP PTY. LTD., 10 JAMES ST., WATERLOO. 2017	57945	Premise Match	91m	South
Plastic Fabricators	Plasticorp Pty. Ltd., 10 James St., Waterloo. 2017	57868	Premise Match	91m	South
Hairdressers &/or Beauty Salon Supplies	Sydney Nail Supply Pty. Ltd., 10 James St., Waterloo. 2017	48116	Premise Match	91m	South
Motor Panel Beaters &/or Spray Painters	Town Auto Repairs Pty Ltd, 60 Cope St Redfern 2016	54867	Premise Match	103m	North West
Motor Garages & Service Stations	Waterloo Car Centre Caltex, 762 Elizabeth St., Waterloo 2017	97778	Premise Match	114m	East
TShirt Printers &/or Suppliers	MAMBO GRAPHIC PTY.LTD.,62 BOTANY RD, ALEXANDRIA. 2015	65038	Premise Match	115m	North West
Screen Printers	Mambo Graphics Pty Ltd, 62 Botany Rd Alexandria 2015	61726	Premise Match	115m	North West
Clothing Mfrs &/or W/salers Sportswear	Mambo Graphics Pty Ltd, 62 Botany Rd, Alexandria 2015	39589	Premise Match	115m	North West
Carriers &/or Cartage Contractors	Presto Transport Pty. Ltd., 29 Allen St., Waterloo 2017	38461	Premise Match	115m	South East
Road Transport Services Intrastate	Toukley Transport, 29 Allen St Waterloo 2017	61150	Premise Match	115m	South East
Fork Lift Truck Hirers	Wallace Transport Pty Ltd, 29 Allen St., Waterloo 2017	46317	Premise Match	115m	South East
Carriers &/or Cartage Contractors	Wallace Transport Pty Ltd., 29 Allen St., Waterloo 2017	38516	Premise Match	115m	South East
Hire Services	Kennards Hire, 200 Botany Rd., Alexandria. 2015	48458	Premise Match	118m	South West
Motor Panel Beaters &/or Spray Painters	Summer Motors, 144 Botany Rd Alexandria 2015	54836	Premise Match	119m	South West
Guillotione Blade &/or Shear Mfrs &/or Dists	Dudley Trading Company, 102 Botany Rd., Alexandria .2015	48059	Premise Match	119m	West
StationersWholesale	Stationery Wholesalers (Trading as Stationery Wholesalers), 108 Botany Rd, Alexandria 2015	97214	Premise Match	119m	West
Paper Shredders & Guillotines Mfrs &/or Imps &/or Dists	Stationery Wholesalers, (Trading as Stationery Wholesalers), 108 Botany Rd ., Alexandria .2015	56816	Premise Match	120m	West
Shop &/or Office Fittings Mfrs &/or Dists	Stationery Wholesalers, (Trading as Stationery Wholesalers) 108 Botany Rd Alexandria 2015	62424	Premise Match	120m	West
StationersWholesale	STATIONERY WHOLESALERS, 108 Botany Road Alexandria 2015	63284	Premise Match	120m	West
Stationers Manufacturing	Stationery Wholesalers,(Trading as Stationery Wholesalers) 108 Botany Rd Alexandria 2015	63217	Premise Match	120m	West
Stapling Tacking &/or Wire Stitching Machine Mfrs &/or Dists	Stationery Wholesalers,(Trading as Stationery Wholesalers) 108 Botany Rd Alexandria 2015	63157	Premise Match	120m	West
Office Equipment &/or Supplies Mfrs &/or Imps &/or W/salers	Stationery Wholesalers,(Trading as Stationery Wholesalers), 108 Botany Rd., Alexandria. 2015	56014	Premise Match	120m	West
Furniture Mfrs &/or W/salers Office	Stationery Wholesalers,(Trading as Stationery Wholesalers), 108 Botany Rd., Alexandria. 2015	47256	Premise Match	120m	West
Stationers Commercial	Stationery Wholesalers,(Trading as Stationery Wholescalers) 108 Botany Rd Alexandria 2015	63174	Premise Match	120m	West
Real Estate Agents	Silver & Co, 128 Botany Rd., Alexandria. 2015	60748	Premise Match	121m	West
Business Agents &/or Brokers	Silver & Co., 128 Botany Rd., Alexandria 2015	37726	Premise Match	121m	West
Printers Lithographic (Offset)	Canberra Press, 7 Allen St., Waterloo. 2017	59059	Premise Match	122m	South
Motor Car Hire Services	Waterloo Car Centre Pty Ltd, 762 Elizabeth St, Waterloo 2017	52789	Premise Match	126m	East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Printers Lithographic (Offset)	Johnson, Geoffrey & Associates,. 2 Boundary St., Redfern. 2016	59180	Premise Match	132m	North West
Motor Panel Beaters &/or Spray Painters	Regent Auto Repairs, 156 Regent St, Redfern 2016	54725	Premise Match	138m	North West
Motor Garages & Service Stations	Regent Auto Repairs, 156 Regent St., Redfern 2016	53808	Premise Match	138m	North West
Computer Consultants	Concepts & Solutions Pty. Ltd, 5 Allen St., Waterloo 2017	39923	Premise Match	140m	South
Computer Sales &/or Services	Concepts & Solutions Pty. Ltd, 5 Allen St., Waterloo 2017	40190	Premise Match	140m	South
Typesetters	Jay Tees Typesetting, 3 Allen St Waterloo 2017	65124	Premise Match	140m	South
Printers General	Lindwall & Ward Pty. Ltd., 5 Henderson Rd., Alexandria. 2015	58799	Premise Match	146m	North West
Printers Lithographic (Offset)	Lindwall & Ward Pty. Ltd., 5 Henderson Rd., Alexandria.2015	59208	Premise Match	146m	North West
Medical Equipment &/or Repairs	Medical Industries Australia Pty Ltd, 148 Regent St., Redfern 2016	51515	Premise Match	148m	North West

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1991 Business to Business Directory Records Road or Area Matches

Records from the 1991 UBD Business to Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Motor Garages & Service Stations	Waterloo Service Station, McEvoy St., Waterloo 2017	53985	Road Match	0m
Guillotione Blade &/or Shear Mfrs &/or Dists	Stationery Wholesalers (Trading Stationery Wholesalers), 10 Botany Rd., Alexandria. 2015	48062	Road Match	59m
Printers General	Kelly. R.T. Pty. Ltd., 23 Allen St., Waterloo. 2017	58784	Road Match	147m

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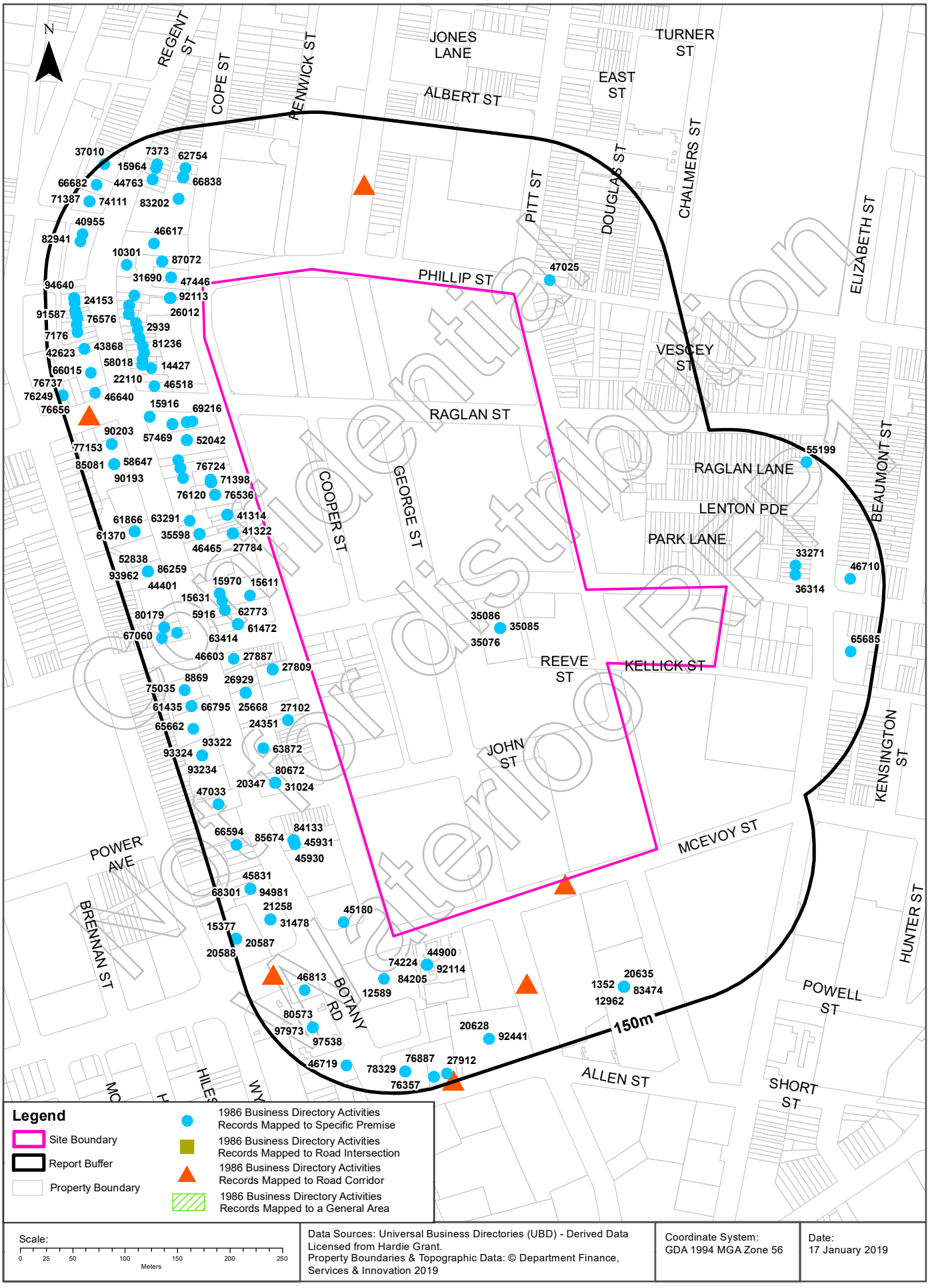
1986 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1986 Business to Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
FOOTWEAR DISTRIBUTORS & W/SALERS.	Gro Shus (Aust) Pty. Ltd., 110 Wellington St., Waterloo.	35074	Premise Match	0m	Onsite
FOOTWEAR DISTRIBUTORS & W/SALERS.	Jane Debster (Sales) Pty. Ltd., 110 Wellington St., Waterloo.	35076	Premise Match	0m	Onsite
FOOTWEAR DISTRIBUTORS & W/SALERS.	Ritchie, W. M (Aust I Pty. Ltd., 110 Wellington St, Waterloo.	35085	Premise Match	0m	Onsite
MANUFACTURERS AGENTS.	Ritchie, W. M. (Aust.,) Pty. Ltd., 110 Wellington St., Waterloo. 2017.	52648	Premise Match	0m	Onsite
FOOTWEAR DISTRIBUTORS & W/SALERS.	Sandler of Boston Pty. Ltd., 110 Wellington St., Waterloo.	35086	Premise Match	0m	Onsite
IMPORTERS.	Academy Import Export, 82 Cope St., Redfern.	47446	Premise Match	30m	North West
EXPORTERS.	Academy Import Export, 82 Cope St., Redfern.	31690	Premise Match	30m	North West
THREAD - SEWING - MFRS. &/OR IMPS. &/OR DISTS.	Anchor Importing Co. Pty. Ltd., 86 Cope St, Redfern.	93197	Premise Match	31m	North West
EGG VENDORS DISTS. &/OR W/SALERS.	Bowmer, Robert C. Pty. Ltd., 86 Cope St, Redfern.	26012	Premise Match	31m	North West
RIBBON MFRS. &/OR DISTS,	Bowmer, Robert C. Pty. Ltd., 86 Cope St., Redfern.	83204	Premise Match	31m	North West
HABERDASHERY – WHOLESALE.	Bowmer, Robert C. Pty. Ltd., 86 Cope St, Redfern.	41512	Premise Match	31m	North West
BUTTON &/OR BUCKLE MFRS. &/OR W/SALERS.	Bowmer, Robert C. Pty. Ltd., 86 Cope St., Redfern.	10957	Premise Match	31m	North West
THREAD - SEWING - MFRS. &/OR IMPS. &/OR DISTS.	Bowmer, Robert C. Pty. Ltd., 86 Cope St., Redfern.	93200	Premise Match	31m	North West
SEWING MACHINE NEEDLES MFRS. &/OR W/SALERS.	Bowmer, Robert C. Pty. Ltd., 88 Cope St., Redfern.	85809	Premise Match	31m	North West
TAPE - TEXTILE MFRS. &/OR W/SALERS.	Downier, Robert C. Pty. Ltd., 86 Cope St., Redfern.	92108	Premise Match	31m	North West
TAPE - TEXTILE MFRS. &/OR W/SALERS.	Sewing Thread Specialists Pty. Lta., 86 Cope St., Redfern,.	92113	Premise Match	31m	North West
EGG VENDORS DISTS. &/OR W/SALERS.	Sewing Thread Specialists Pty. Ltd , 86 Cope St., Redfern.	26017	Premise Match	31m	North West
THREAD - SEWING - MFRS. &/OR IMPS. &/OR DISTS.	Sewing Thread Specialists Pty. Ltd. 86 Cope Street, Redfern.	93195	Premise Match	31m	North West
RIBBON MFRS. &/OR DISTS,	Sewing Thread Specialists Pty. Ltd., 86 Cope St., Redfem.	83213	Premise Match	31m	North West
THREAD - SEWING - MFRS. &/OR IMPS. &/OR DISTS.	Sewing Thread Specialists Pty. Ltd., 86 Cope St., Redfern.	93211	Premise Match	31m	North West
SLIDE FASTENER MFRS. &/OR W/SALERS.	Sewing Thread Specialists Pty. Ltd., 86 Cope St., Redfern.	87018	Premise Match	31m	North West
HABERDASHERY – WHOLESALE.	Sewing Thread Specialists Pty. Ltd., 86 Cope St., Redfern.	41524	Premise Match	31m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEEL MERCHANTS - ALLOY &/OR TOOL STEEL.	Bohler Steels Pty. Ltd., 146 Cope St, Waterloo,.	89118	Premise Match	31m	West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.	Bohler Steels Pty. Ltd., 146 Cope St, Waterloo.	98814	Premise Match	31m	West
GUILLOTINE BLADE/SHEAR MFRS. &/OR DISTS.	Bohler Steels Pty. Ltd., 146 Cope St, Waterloo.	41322	Premise Match	31m	West
MACHINE KNIFE MFRS.	Bohler Steels Pty. Ltd., 146 Cope St., Waterloo.	51923	Premise Match	31m	West
ELECTRODES-WELDER MFRS. &/OR DISTS.	Bohler Steels Pty. Ltd., 146 Cope St., Waterloo.	27784	Premise Match	31m	West
STEEL MERCHANTS - GENERAL.	Bohler Steels Pty. Ltd., 146 Cope St., Waterloo.	89162	Premise Match	31m	West
STEEL IMPORTERS.	Bohler Steels Pty. Ltd., 146 Cope St., Waterloo.	89105	Premise Match	31m	West
GROCERS-WHOLESALE.	N S.W Matzo Co., 136 Cope St., Waterloo.	41306	Premise Match	31m	West
FOOD PROCESSORS &/OR PACKERS.	N.S.W. Matzo Co., 136 Cope St , Waterloo.	34329	Premise Match	31m	West
GROCERS-WHOLESALE.	Solomon, R & Co., 136 Cope St., Waterloo.	41314	Premise Match	31m	West
FOOD PROCESSORS &/OR PACKERS.	Solomon, R. & Co., 136 Cope St , Waterloo	34343	Premise Match	31m	West
CLOTHING MFRS. &/OR W/SALERS.-BABY &/OR CHILDRENS WEAR.	Arnold Swimwear, 164 Cope St., Waterloo.	15611	Premise Match	34m	West
NEWSAGENTS.	Cassidy's Newsagency, 132 Raglan St., Alexandria.	69216	Premise Match	35m	North West
PRINTERS - LITHOGRAPHIC.	Knudsen Printing Pty. Ltd., 126 Cope St., Waterloo,.	76724	Premise Match	35m	North West
ELECTRONIC COMPONENTS MFRS. &/OR DISTS.	Amtron Tyree Pty. Ltd., 176 Cope St., Waterloo.	27809	Premise Match	35m	South West
ELECTRONIC EQUIPMENT MFRS. &/OR DISTS.	Amtron Tyree Pty. Ltd., 176 Cope St., Waterloo.	27887	Premise Match	35m	South West
ELECTRICAL ACCESSORIES MFRS. &/OR W/SALERS.	Amtron Tyree Pty. Ltd., 176 Cope St., Waterloo.	26942	Premise Match	35m	South West
COMPUTER-SOFTWARE.	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo.	19649	Premise Match	36m	North West
ABRASIVE MERCHANTS.	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo.	88	Premise Match	36m	North West
PACKING & PACKAGING MATERIALS MFRS. &/OR SUPPLIERS.	Daines, Harry My. Ltd., 128 Cope St., Waterloo.	71398	Premise Match	36m	North West
TAPE - CELLULOSE INDUSTRIAL.	Daines, Harry Pty. Ltd., 128 Cope St, Waterloo,.	92096	Premise Match	36m	North West
MATTING MFRS. &/OR W/SALERS.	Daines, Harry Pty. Ltd., 128 Cope St, Waterloo.	53177	Premise Match	36m	North West
PLASTIC BAG MFRS. &/OR DISTS.	Daines, Harry Pty. Ltd. 128 Cope St. Waterloo.	74123	Premise Match	36m	North West
TAPE - ADHESIVE - MFRS. &/OR IMPS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Cope St, Waterloo.	92074	Premise Match	36m	North West
CLEANSER &/OR CLEANING PREPARATIONS MFRS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo.	15489	Premise Match	36m	North West
STORE &/OR PACKING ROOM EQUIPMENT MFRS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo.	89623	Premise Match	36m	North West
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo.	26878	Premise Match	36m	North West
MANUFACTURERS AGENTS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo.	52484	Premise Match	36m	South
IMPORTERS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo.	47487	Premise Match	36m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
HABERDASHERY – WHOLESALE.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	41517	Premise Match	36m	South
HAT &/OR CAP MFRS. &/OR W/SALERS.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	44893	Premise Match	36m	South
HAT MFRS. SUPPLIES.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	44900	Premise Match	36m	South
TAPE - TEXTILE MFRS. &/OR W/SALERS.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	92110	Premise Match	36m	South
RIBBON MFRS. &/OR DISTS,	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	83209	Premise Match	36m	South
PLASTIC CONVERTERS.	Multapex Pty. Ltd., 54 McEvoy St., Waterloo.	74224	Premise Match	36m	South
PRINTERS SILK &/OR TEXTILE	Multapex Pty. Ltd.; 54 McEvoy St., Waterloo.	77219	Premise Match	36m	South
TAPE - TYING MFRS. &/OR W/SALERS.	Tapex Pty, Ltd., 54 McEvoy St., Waterloo.	92117	Premise Match	36m	South
PLASTIC FOAM MFRS. &/OR DISTS.	Tapex Pty. Ltd. 54 McEvoy St., Waterloo.	74387	Premise Match	36m	South
PACKAGING &/OR PACKING SPECIALISTS.,.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	71300	Premise Match	36m	South
TAPE - TEXTILE MFRS. &/OR W/SALERS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	92114	Premise Match	36m	South
ROPE, CORDAGE &/OR TWINE MFRS. &/OR DISTS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	83754	Premise Match	36m	South
SAFETY EQUIPMENT MFRS. &/OR DISTS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	84205	Premise Match	36m	South
DISPLAY SPECIALISTS.	F.M.I. Pty. Ltd., 186 Cope St., Waterloo.	24351	Premise Match	36m	South West
ELECTRICAL CONTRACTORS-LICENSED.	F.M.I. Pty. Ltd., 186 Cope St., Waterloo.	27102	Premise Match	36m	South West
PRINTERS - LITHOGRAPHIC.	Bragg, Edgar & Sons Pty. Ltd., 130 Cope St., Waterloo,.	76536	Premise Match	36m	West
PRINTERS - LETTERPRESS.	Bragg, Edgar & Sons Pty. Ltd., 130 Cope St., Waterloo.	76120	Premise Match	36m	West
BOOKBINDERS.	Bragg, Edgar & Sons Pty. Ltd., 130 Cope St., Waterloo.	6798	Premise Match	36m	West
BOOKBINDERS.	Hayles Bookbinding Service, 130 Cope St., Waterloo.	6813	Premise Match	36m	West
HOTELS-LICENSED.	Somerset Hotel, 191 Pitt St., Redfern.	47025	Premise Match	37m	North
CAKE SHOPS &/OR PASTRYCOOKS.	Dooley, K., 134 Raglan St., Alexandria,	11645	Premise Match	40m	North West
BUTCHERS-RETAIL.	Maja Meats, 134A Raglan St., Alexandria.	10250	Premise Match	40m	North West
HAIRDRESSER LADIES &/OR BEAUTY SALONS	Waterloo Hair Care, 134B Raglan St., Alexandria.	43422	Premise Match	40m	North West
HEALTH FOODS MFRS. &/OR DISTS.	Natural Grocer, The, 173 Botany Rd., Waterloo.	45180	Premise Match	42m	South
CARPET &/OR FLOOR COVERING RETAILERS &/OR SPECIALISTS.	Solomons Cambergs, 183 Botany Rd., Waterloo.	12589	Premise Match	42m	South
CLOTHING MFRS. &/OR W/SALERS.-GENERAL.	Jongheng, J. H. B. Bros., 80A Cope St., Redfern.	15754	Premise Match	44m	North West
SMALL GOODS MFRS. &/OR W/SALERS.	Pastoral Smallgoods Co. Pty. Ltd., 80 Cope St., Redfern.	87072	Premise Match	44m	North West
WOODWORKING MACHINERY MFRS. &/OR IMPS. &/OR MERCHANTS.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	99913	Premise Match	45m	North West
SHEET METAL WORKERS MACHINERY MFRS. &/OR MERCHANTS.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo,.	86198	Premise Match	45m	North West
ELECTRIC MOTOR DEALERS &/OR W/SALERS.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	26540	Premise Match	45m	North West
MACHINERY DEALERS-SECONDHAND.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	52042	Premise Match	45m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR CLUTCH SPECIALISTS.	Joseph Bros. Pty, Ltd., 129 Wellington St., Waterloo.	62545	Premise Match	53m	West
MOTOR GARAGES & SERVICE STATIONS.	Joseph Bros. Pty. Ltd., 129 Wellington St, Waterloo.	64921	Premise Match	53m	West
MOTOR CYLINDER REBORES.	Joseph Bros. Pty. Ltd., 129 Wellington St., Waterloo,.	62773	Premise Match	53m	West
MOTOR BRAKE SERVICES.	Joseph Bros. Pty. Ltd., 129 Wellington St., Waterloo,.	61600	Premise Match	53m	West
MOTOR BRAKE LINING MFRS. &/OR DISTS. &/OR SUPPLIERS.	Joseph Bros. Pty. Ltd., 129 Wellington St., Waterloo,.	61472	Premise Match	53m	West
MOTOR ENGINEERS.	Joseph Brothers Pty. Ltd., 129 Wellington St„ Waterloo.	63414	Premise Match	53m	West
MEDICAL PRACTITIONERS.	Jacobs, Peter A., 138 Raglan St., Alexandria.	55570	Premise Match	54m	North West
MEDICAL PRACTITIONERS.	Lowy, A„ 138 Raglan St., Alexandria.	56171	Premise Match	54m	North West
MEDICAL PRACTITIONERS.	Sekel, R., 138 Raglan St., Alexandria,.	57469	Premise Match	54m	North West
CHEMISTS-PHARMACEUTICAL.	Kirby, M. C., 43 Botany Rd., Waterloo.	14427	Premise Match	57m	North West
HOTELS-LICENSED.	Abbotts Hotel, 47 Botany Rd Waterloo.	46518	Premise Match	59m	North West
RESTAURANTS.	Canton Cafe, 35 Botany Rd., Alexandria.	81236	Premise Match	59m	North West
MOTOR PANEL BEATERS &/OR SPRAY P	Car Builders Pty. Ltd , 65 Botany Rd., Waterloo.	66160	Premise Match	59m	North West
FRUITERERS &/OR GREENGROCERS.	Khoury, N. PA., 37 Botany Rd., Waterloo.	36093	Premise Match	59m	North West
HOTELS-LICENSED.	Clifton Hotel, 1 Botany Rd., Alexandria.	46617	Premise Match	60m	North West
SKI - SNOW EQUIPMENT &/OR APPAREL.	Skima Imports Australia Pty. Ltd,. 67 Botany Rd., Waterloo.	86950	Premise Match	60m	North West
SPORTING GOODS MFRS. &/OR IMPS. &/OR W/SALERS.	Skima Imports Australia Pty. Ltd., 67 Botany Rd., Waterloo.	87389	Premise Match	60m	North West
MOTOR GARAGES & SERVICE STATIONS.	Marc Petrol Pty Ltd., 69 Botany Rd., Waterloo.	65041	Premise Match	60m	West
BELT MFRS.-LADIES &/OR GENTS.	Bettys Belts MFG. CO., 117 Botany Rd., Alexandria.	5916	Premise Match	61m	West
PLEATING SPECIALISTS.	Elen pleating Pty. Ltd., 115 Botany Rd.; Alexandria.	74874	Premise Match	61m	West
CLOTHING MFRS. &/OR W/SALERS.-LADIES FROCKS &/OR SUITS.	G.A. Fashions Pty. Ltd., 113 Botany Rd., Waterloo.	15970	Premise Match	61m	West
CLOTHING MFRS. &/OR W/SALERS.-BABY &/OR CHILDRENS WEAR.	G.A. Fashions Pty. Ltd., 113 Botany Rd., Waterloo.	15631	Premise Match	61m	West
PLEATING SPECIALISTS.	Pacific Pleating Pty. Ltd., 117A Botany Rd., Alexandria.	74875	Premise Match	61m	West
POULTRY DEALERS - RETAIL.	Grannys Chicks, 39 Botany Rd., Alexandria,.	75595	Premise Match	62m	North West
BAKERS-BREAD.	Vicki's Hot Bread, 33 Botany Rd., Alexandria.	5171	Premise Match	62m	North West
SHIP CHANDLERS.	Albatross Shipping Supply Pty. Ltd., 89 Botany Rd., Waterloo,.	86252	Premise Match	62m	West
SHIPPING PROVIDORES.	Albatross Shipping Supply Pty. Ltd., 89 Botany Rd., Waterloo.	86398	Premise Match	62m	West
FRUIT, VEGETABLE, &/OR PRODUCE MERCHANTS &/OR W/SALERS.	East Coast Providores Pty. Ltd , 89 Botany Rd., Waterloo.	35598	Premise Match	62m	West
HOTEL &/OR MOTEL EQUIPMENT &/OR SUPPLIES.	East Coast Providores Pty. Ltd., 89 Botany Rd., Waterloo.	46465	Premise Match	62m	West
LOCK MFRS. &/OR DISTS.	Longhurst & Andrew Pty. Ltd., 87 Botany Rd., Waterloo.	51757	Premise Match	62m	West
LOCKSMITHS &/OR KEY CUTTERS.	Longhurst & Andrew Pty. Ltd., 87 Botany Rd., Waterloo.	51814	Premise Match	62m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
ANIMAL &/OR BIRD DEALERS.	Aquatic World, 31 Botany Rd., Alexandria.	2939	Premise Match	63m	North West
MEDICAL PRACTITIONERS.	Grammat, G. A., 41A Botany Rd., Alexandria.	55123	Premise Match	64m	North West
HAIRDRESSER LADIES &/OR BEAUTY SALONS	Sunshine Salon, 29 Botany Rd., Alexandria.	43241	Premise Match	64m	North West
MEDICAL PRACTITIONERS.	Trosman, B., 41A Botany Rd., Alexandria.	58018	Premise Match	64m	North West
DELICATESSENS	Waterloo Deli, 41 Botany Rd., Alexandria.	22110	Premise Match	64m	North West
GROCERS-RETAIL.	Flemings, 19 Botany Rd., Alexandria.	40637	Premise Match	65m	North West
HOBBY &/OR HANDICRAFT SUPPLIES.	Assembly Craft Imports Pty. Ltd., 171 Botany Rd., Alexandria.	45930	Premise Match	65m	South West
HOBBY &/OR HANDICRAFT SUPPLIES.	Assembly Crafts, 171 Botany Rd., Waterloo.	45931	Premise Match	65m	South West
IMPORTERS.	Assembly Crafts, 171 Botany Rd., Waterloo.	47483	Premise Match	65m	South West
SAFE &/OR STRONGROOM. DOOR MFRS: &/OR DISTS	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo,	84120	Premise Match	65m	South West
SAFE &/OR STRONGROOM DOORS REPAIRERS.	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo.	84133	Premise Match	65m	South West
MIRROR MFRS. &/OR DISTS. &/OR SUPPLIERS.	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo.	59749	Premise Match	65m	South West
DOOR CLOSER MFRS. &/OR DISTS.	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo.	24553	Premise Match	65m	South West
SECURITY SERVICES.	O'Brien, W. F. Pty. Ltd., 169 Botany' Rd., Waterloo.	85674	Premise Match	65m	South West
RUBBER STAMP MFRS. &/OR DISTS.	O'Brien, W. F. Pty. Ltd.; 169 Botany Rd., Waterloo.	83998	Premise Match	65m	South West
LOCKSMITHS &/OR KEY CUTTERS.	O'Brien, W. F. Pty. Ltd„ 169 Botiny Rd., Waterloo.	51827	Premise Match	65m	South West
FRUITERERS &/OR GREENGROCERS.	Ruggero, J., 701 Elizabeth St., Waterloo.	36314	Premise Match	66m	East
MOTOR GARAGES & SERVICE STATIONS.	Alexandria Auto Port, 159 Botany Rd., Waterloo.	63872	Premise Match	66m	South West
REFRIGERATOR UNITS &/OR EQUIPMENT MFRS. &/OR DISTS	Carrera 161 Botany Rd. Waterloo	80672	Premise Match	66m	South West
REFRIGERATOR DEALERS &/OR SERVICEMEN.	Carrera Refrigeration & Air Conditioning, 161 Botany Rd., Alexandria.	80752	Premise Match	66m	South West
REFRIGERATION COMMERCIAL.	Carrera Refrigeration & Air Conditioning, 161 Botany Rd., Alexandria.	80661	Premise Match	66m	South West
ENGINEERS – REFRIGERATION.	Carrera Refrigeration & Air Conditioning, 161 Botany Rd., Alexandria.	31024	Premise Match	66m	South West
ENGINEERS-AIR CONDITIONING.	Carrera Refrigeration & Air Conditioning, 161 Botany Rd., Alexandria.	28525	Premise Match	66m	South West
AIR CONDITIONING SALES &/OR SERVICE.	Carrera Refrigeration & Air Conditioning, 161 Botany Rd., Alexandria.	2316	Premise Match	66m	South West
AIR CONDITIONING-INDUSTRIAL &/OR DOMESTIC.	Carrera Refrigeration & Air Conditioning, 161 Botany Rd., Alexandria.	2239	Premise Match	66m	South West
COOL ROOM BUILDERS.	Carrera Refrigeration & Air Conditioning, 161 Botany Rd., Alexandria.	20348	Premise Match	66m	South West
COOL ROOM BUILDERS.	Carrera Refrigeration, 161 Botany Rd., Waterloo.	20347	Premise Match	66m	South West
REFRIGERATION COMMERCIAL.	Carrera Refrigeration, 161 Botany Rd., Waterloo.	80660	Premise Match	66m	South West
MOTOR GARAGES & SERVICE STATIONS.	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo.	64855	Premise Match	66m	South West
WOODWORKING MACHINERY MFRS. &/OR IMPS. &/OR MERCHANTS.	Winnick Machines (Ropes Aust.) Pty. Ltd., 133 Botany Rd.Waterloo.	99923	Premise Match	66m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
DUST COLLECTION &/OR FUME EXTRACTION EQUIPMENT MFRS. &/OR DISTS.	Winnick Machines (Runes Aust.) Pty. Ltd., 133 Botany Rd., Waterloo.	25668	Premise Match	66m	South West
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DISTS.	Winnick Machines (Rupes Aust.) Pty. Ltd., 133 Botany Rd., Waterloo.	26929	Premise Match	66m	South West
ENGINEERS SUPPLIES	Winnick Machines (Rupes Aust.) Pty. Ltd., 133 Botany Rd., Waterloo.	31496	Premise Match	66m	South West
ABRASIVE MERCHANTS.	Winnick Machines (Rupes Aust.) Pty. Ltd., 133 Botany Rd., Waterloo.	100	Premise Match	66m	South West
MOTOR ENGINEERS.	Chris & Con Motor Repairs, 85 Botany Rd., Waterloo.	63291	Premise Match	66m	West
HOTELS-LICENSED.	Cauliflower Hotel, 123 Botany Rd., Waterloo.	46603	Premise Match	67m	West
FISH MERCHANTS-RETAIL.	South Sydney Seafoods, 697 Elizabeth St., Waterloo.	33271	Premise Match	69m	East
NEWSAGENTS.	Boag, D, & I., 27 Botany Rd., Alexandria.	69176	Premise Match	71m	North West
CLOTHING MFRS. &/OR W/SALERS.-LADIES FROCKS &/OR SUITS.	Koudrougeras, G., 27A Botany Rd., Alexandria.	16019	Premise Match	71m	North West
DETERGENTS, DISINFECTANTS, CLEANING AIDS, MFRS. &/OR DISTS.	Soap Collection, The, 23 Botany Rd., Alexandria.	23874	Premise Match	71m	North West
CLEANSER &/OR CLEANING PREPARATIONS MFRS. &/OR DISTS.	Soap Collection, The, 23 Botany Rd., Alexandria.	15529	Premise Match	71m	North West
GROCERS-RETAIL.	7/11 Food Store, 49 Botany Rd., Alexandria.	41129	Premise Match	73m	North West
CLOTHING MFRS. &/OR W/SALERS.-LADIES FROCKS &/OR SUITS.	Bennett, Adam, 49 Botany Rd., Waterloo.	15916	Premise Match	73m	North West
BUTCHERS-RETAIL.	Michaels Meats, 7 Botany Rd., Alexandria.	10301	Premise Match	74m	North West
RIBBON MFRS. &/OR DISTS,	Anchor Importing Co. Pty. Ltd., 66 Cope St., Redfern.	83202	Premise Match	84m	North West
SLIDE FASTENER MFRS. &/OR W/SALERS.	Bowmer, Robert C. Pty. Ltd., 66 Cope St., Redfern.	87013	Premise Match	84m	North West
HOTELS-LICENSED.	Iron Duke Hotel, 220 Botany Rd , Alexandria.	46813	Premise Match	99m	South
MOTOR GARAGES & SERVICE STATIONS.	Town Auto Repairs Pty Ltd., 60 Cope St., Redfern.	65637	Premise Match	103m	North West
MOTOR BODY REPAIRS &/OR CONVERTERS. (M5140)	Town Auto Repairs Pty. Ltd., 60 Cope St., Redfern.	61441	Premise Match	103m	North West
MOTOR PANEL BEATERS &/OR SPRAY P	Town Auto Repairs Pty. Ltd., 60 Cope St., Redfern.	66838	Premise Match	103m	North West
SPRAYERS - INDUSTRIAL.	Town Auto Repairs Pty. Ltd., 60 Cope St., Redfern.	87743	Premise Match	103m	North West
MOTOR BODY BUILDERS.	Town Auto Repairs Pty. Ltd., 60 Cope St., Redfern.	61326	Premise Match	103m	North West
DATA PROCESSING EQUIPMENT MFRS. &/OR DISTS. &/ OR HIRERS.	A.S.I. Advanced Systems Australia Pty. Ltd., 204 Botany Rd., Alexandria.	21258	Premise Match	108m	South West
ENGINEERS SUPPLIES	Tinsley Corp , 204 Botany Rd , Alexandria.	31478	Premise Match	108m	South West
ABRASIVE MFRS. &/OR DISTS.	Tinsley Corp., 204 Botany Rd., Alexandria.	72	Premise Match	108m	South West
GRINDING WHEEL MFRS. &/OR DISTS.	Tinsley Corp., 204 Botany Rd., Alexandria.	40427	Premise Match	108m	South West
SAFETY EQUIPMENT MFRS. &/OR DISTS.	Tinsley Corp., 204 Botany Rd., Alexandria.	84208	Premise Match	108m	South West
HARDWARE MERCHANTS RETAIL.	South Sydney Discount Hardware, 193 Regent St., Redfern.	44763	Premise Match	111m	North West
HARDWARE MERCHANTS RETAIL.	South Sydney Hardware, 193 Regent St., Redfern.	44764	Premise Match	111m	North West

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REAL ESTATE AGENTS.	Philip, George & Co. Pty. Ltd., 130 Botany Rd., Alexandria.	79980	Premise Match	111m	West
MOTOR CYCLE WRECKERS.	Forcyle Engineering Pty. Ltd., 56 Cope St., Redfern.	62754	Premise Match	112m	North West
MOTOR-CYCLE SALES &/OR SERVICE.	Fore* Engineering Pty. Ltd., 56 Cope St., Redfern.	62705	Premise Match	112m	North West
MOTOR PANEL BEATERS &/OR SPRAY P	Alexandria Car Repairs Pty. Ltd., 50 Botany Rd., Alexandria.	66015	Premise Match	113m	North West
HOTELS-LICENSED.	Cricketer's Arms Hotel, 56 Botany Rd., Alexandria.	46640	Premise Match	115m	North West
HAIRDRESSERS-LADIES &/OR BEAUTY SALONS.	Lee, N. M., 42 Botany Rd., Alexandria.	42623	Premise Match	115m	North West
HAIRDRESSERS-MENS.	Lee, N. M., 42 Botany Rd., Alexandria.	43868	Premise Match	115m	North West
PRINTERS SILK &/OR TEXTILE	Phantom Textile Printers Pty. Ltd., 62 Botany Rd, Alexandria.	77153	Premise Match	115m	North West
T-SHIRT - PRINTERS &/OR SUPPLIERS.	Phantom Textile Printers Pty. Ltd., 62 Botany Rd, Alexandria.	90203	Premise Match	115m	North West
TAPE - ADHESIVE - MFRS. &/OR IMPS. &/OR DISTS.	Husky Trading Co., 29 Allen St., Waterloo.	92081	Premise Match	115m	South East
PACKING & PACKAGING MATERIALS MFRS. &/OR SUPPLIERS.	Husky Trading Co., 29 Allen St., Waterloo.	71411	Premise Match	115m	South East
ADHESIVES MFRS. &/OR DISTS.	Husky Trading Co., 29 Allen St., Waterloo.	1352	Premise Match	115m	South East
CARRIERS &/OR CARTAGE CONTRACTORS.	Presto Transport Pty. Ltd., 29 Allen St, Waterloo.	12962	Premise Match	115m	South East
COURIER SERVICES.	Presto Transport Pty. Ltd., 29 Allen St., Waterloo.	20635	Premise Match	115m	South East
CARRIERS &/OR CARTAGE CONTRACTORS.	Wallace Transport, 29 Allen St., Waterloo.	13040	Premise Match	115m	South East
HAULAGE CONTRACTORS.	Wallace Transport, 29 Allen St., Waterloo.	44977	Premise Match	115m	South East
FORK LIFT TRUCKS HIRING SERVICES.	Wallace Transport, 29 Allen St., Waterloo.	35172	Premise Match	115m	South East
ROAD TRANSPORT SERVICES - INTRASTATE.	Wallace Transport, 29 Allen St., Waterloo.	83474	Premise Match	115m	South East
VIDEO RECORDER &/OR CASSETTE SALES &/OR HIRE &/OR SERVICE.	Electronic Enterprises Pty. Ltd., 222 Botany Rd., Alexandria.	97538	Premise Match	116m	South
VIDEO RECORDER MFRS. &/OR IMPS. &/OR DISTS.	Electronic Enterprises Pty. Ltd., 222 Botany Rd., Alexandria.	97973	Premise Match	116m	South
RECORD MFRS. &/OR IMPS. &/OR DISTS.	Record Club of Australia, 222 Botany Rd., Alexandria.	80573	Premise Match	116m	South
HOTELS-LICENSED.	George Hotel, The, 760 Elizabeth St., Waterloo.	46710	Premise Match	118m	East
HIRING SERVICES.	Kennards Hire, 200 Botany Rd , Alexandria.	45831	Premise Match	118m	South West
MOTOR TRUCK HIRERS.	Kennards Hire, 200 Botany Rd., Alexandria.	68301	Premise Match	118m	South West
TRAILER &/OR TRAILER EQUIPMENT MFRS. &/OR DISTS. &[OR HIRERS.	Kennards Hire, 200 Botany Rd., Alexandria.	94981	Premise Match	118m	South West
MOTOR PANEL BEATERS &/OR SPRAY P	New York Car Repairs Pty Ltd., 186 Botany Rd , Alexandria.	66594	Premise Match	118m	South West
CLOTHING MFRS. &/OR W/SALERS.-LADIES FROCKS &/OR SUITS.	Fourtounis, D., 189 Regent St., Redfern,	15964	Premise Match	119m	North West
MOTOR PANEL BEATERS &/OR SPRAY P	Summer Motors, 144 Botany Rd., Alexandria.	66795	Premise Match	119m	South West
MOTOR BRAKE &/OR SPARE . PARTS MFRS. &/OR IMPS. &/OR W/SALERS.	Summer Motors, 144 Botany Rd., Alexandria.	61705	Premise Match	119m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR BODY REPAIRS &/OR CONVERTERS. (M5140)	Summer Motors, 144 Botany Rd., Alexandria.	61435	Premise Match	119m	South West
SCRAP METAL MERCHANTS.	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria.	85081	Premise Match	119m	West
LEAD MERCHANTS &/OR SUPPLIERS.	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria.	51444	Premise Match	119m	West
METAL MERCHANTS.	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria.	58647	Premise Match	119m	West
MARINE EQUIPMENT MFRS. &/OR DISTS.	Basham, R. W. Pty. Ltd., 102 Botany Rd., Alexandria.	52838	Premise Match	119m	West
HARDWARE MERCHANTS-WHOLESALE.	Basham, R. W. Pty. Ltd., 106 Botany Rd., Alexandria.	44832	Premise Match	119m	West
HARDWARE MFRS. &/OR DISTS.	Basham, R. W. Pty. Ltd., 106 Botany Rd., Alexandria.	44401	Premise Match	119m	West
SHIP CHANDLERS.	Basham, R. W. Pty. Ltd., 106 Botany Rd., Alexandria.	86259	Premise Match	119m	West
TOOL MANUFACTURERS.	Basham, R. W. Pty. Ltd., 106 Botany Rd., Alexandria.	93962	Premise Match	119m	West
PUMP MFRS. &/OR DISTS.	Basham, R. W. Pty. Ltd., 106 Botany Rd., Alexandria.	78441	Premise Match	119m	West
PRINTERS SILK &/OR TEXTILE	Phantom Textile Printer 62-74 Botany Road, Alexandria.	77137	Premise Match	119m	West
T-SHIRT PRINTING.	Phantom Textile Printers 62-74 Botany Road, Alexandria.	90193	Premise Match	119m	West
PRINTERS - LITHOGRAPHIC.	Cello Printing, 32 Botany Rd., Alexandria.	76576	Premise Match	120m	North West
BOOKSELLERS-RETAIL.	Redfern Black Rose Anarchist Bookshop, 36 Botany Rd., Alexandria.	7176	Premise Match	120m	North West
MOTOR BODY REPAIRS &/OR CONVERTERS. (M5140)	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	61370	Premise Match	120m	West
MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS.	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	67049	Premise Match	120m	West
MOTOR PANEL BEATERS &/OR SPRAY P	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	66187	Premise Match	120m	West
MOTOR CAR RADIO. SPECIALISTS, .	Chapman, Walter Pty. Ltd„ 86 Botany Rd., Alexandria,.	61866	Premise Match	120m	West
FURNITURE &/OR FURNISHINGS-RETAIL.	Alexandria Discount Carpets Pty. Ltd., 30 Botany Rd., Alexandria.	37059	Premise Match	121m	North West
CARPET &/OR FLOOR COVERING RETAILERS &/OR SPECIALISTS.	Alexandria Discount Carpets Pty. Ltd., 30 Botany Rd., Alexandria.	12480	Premise Match	121m	North West
DISCOUNT HOUSES.	Alexandria Discount Carpets Pty. Ltd., 30 Botany Rd., Alexandria.	24137	Premise Match	121m	North West
SECONDHAND DEALERS.	Bargain Bazaar, 34 Botany Rd., Alexandria.	85360	Premise Match	121m	North West
REAL ESTATE AGENTS.	Bazzi Michael Real Estate Pty. Ltd. 30A Botany Rd., Alexandria.	79153	Premise Match	121m	North West
PLUMBERS, GASFITTERS &/OR DRAINLAYERS.	Veney Bros., 138 Botany Rd., Alexandria.	75035	Premise Match	121m	South West
BUILDING ALTERATIONS &/OR REPAIRS.	Veney Bros., 138 Botany Rd., Alexandria.	8869	Premise Match	121m	South West
BUSINESS AGENTS &/OR BROKERS.	Silver & Co., 128 Botany Rd., Alexandria.	9469	Premise Match	121m	West
REAL ESTATE AGENTS.	Silver & Co., 128 Botany Rd., Alexandria.	80179	Premise Match	121m	West
DISCOUNT HOUSES.	Dollar Savings Store, 26 Botany Rd., Alexandria. .	24153	Premise Match	122m	North West
RESTAURANTS.	Pizzeria, 28 Botany Rd., Alexandria.	82615	Premise Match	122m	North West
TAKE-AWAY FOODS.	Pizzeria, 28 Botany Rd., Alexandria.	91587	Premise Match	122m	North West
BUTCHERS-RETAIL.	Tony's Meats, 24A Botany Rd., Waterloo.	10735	Premise Match	122m	North West
COURIER SERVICES.	Mainway Messengers, 7C Allen St., Waterloo.	20628	Premise Match	122m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TAXI TRUCK OPERATORS.	Mainway Taxi Trucks, 7C Allen St., Waterloo,.	92441	Premise Match	122m	South
GIFT SHOPS.	Dollar Saver Store's, 24 Botany Rd., Alexandria.	39007	Premise Match	123m	North West
BOOT &/OR SHOE REPAIRERS.	Fourtounis, D., 187 Regent St., Redfern.	7373	Premise Match	123m	North West
TOY IMPS. &/OR W/SALERS.	Lumbard, J. J. & Co. Pty, Ltd., 24 Botany Rd., Alexandria.	94640	Premise Match	123m	North West
GIFTS-WHOLESALE.	Lumbard, J. J. & Co. Pty. Ltd., 24 Botany Rd., Alexandria.	39658	Premise Match	123m	North West
RESTAURANTS.	Sun Hong Kong, 8 Botany Rd., Alexandria.	82941	Premise Match	123m	North West
HOTELS-LICENSED.	Star Hotel, 170 Botany Rd , Alexandria.	47033	Premise Match	123m	South West
GROCERS-RETAIL.	Lee's, 4 Botany Rd., Alexandria.	40955	Premise Match	124m	North West
TILE - FLOOR &/OR WALL - DISTS. &/OR MERCHANTS.	Chum Tiles Pty. Ltd., 158 Botany Rd., Alexandria.	93322	Premise Match	124m	South West
TILE - FLOOR &/OR WALL - DISTS. &/OR MERCHANTS.	Grahams Tile Centre, 158 Botany Rd., Alexandria.	93324	Premise Match	124m	South West
TILE FIXERS - FLOOR &/OR WALL.	Grahams Tile Centre, 158 Botany Rd., Alexandria.	93234	Premise Match	124m	South West
MOTOR GARAGES & SERVICE STATIONS.	Valida Garage, 154 Botany Rd., Alexandria.	65662	Premise Match	124m	South West
MOTOR GARAGES & SERVICE STATIONS.	Waterloo Car Centre, Caltex, 762 Elizabeth St., Waterloo.	65685	Premise Match	126m	East
MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS.	Kensington Auto Radiators, 1 Buckland St., Alexandria.	67060	Premise Match	126m	West
PUBLISHERS.	Service Press Pty. Ltd. 201 Botany Rd., Waterloo.	78329	Premise Match	130m	South
PRINTERS - LETTERPRESS.	Service Press Pty. Ltd., 201 Botany Rd., Waterloo.	76357	Premise Match	130m	South
PRINTERS - LITHOGRAPHIC.	Service Press Pty. Ltd., 201 Botany Rd., Waterloo.	76887	Premise Match	130m	South
PRINTERS - LETTERPRESS.	Service Press Pty. Ltd., 211 Botany Rd., Waterloo.	76356	Premise Match	130m	South
HOTELS-LICENSED.	Glenroy Hotel, 242 Botany Rd., Alexandria.	46719	Premise Match	132m	South
ADHESIVES-TAPE MFRS. &/OR DISTS.	Australian Flexible Industries, 158 Regent St., Redfern.	1380	Premise Match	133m	North West
PLASTIC BAG MFRS. &/OR DISTS.	Australian Flexible Industries, 158 Regent St., Redfern.	74111	Premise Match	133m	North West
PACKING & PACKAGING MATERIALS MFRS. &/OR SUPPLIERS.	Australian Flexible Industries, 158 Regent St., Redfern'¦	71387	Premise Match	133m	North West
MOTOR PANEL BEATERS &/OR SPRAY P	Regent Auto Repairs, 156 Regent St., Redfern.	66682	Premise Match	138m	North West
ELECTRONIC EQUIPMENT MFRS. &/OR DISTS.	Centec international Corporation Pty. Ltd., 5 Allen St., Waterloo.	27912	Premise Match	140m	South
FORWARDING AGENTS.	J V. Customs & Forwarding Pty. Ltd., 3 Allen St.,' Waterloo.	35198	Premise Match	140m	South
CUSTOMS AGENTS.	J.V. Customs S. Forwarding Pty. Ltd., 3 Allen St., Waterloo.	20982	Premise Match	140m	South
MEDICAL PRACTITIONERS.	Guyot, J. R., 671 Elizabeth St., Waterloo.	55199	Premise Match	141m	East
HOTEL &/OR MOTEL EQUIPMENT &/OR SUPPLIES.	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria.	46503	Premise Match	145m	South West
GLASSWARE, CRYSTALWARE, IMPS, &/OR MFRS. &/OR W/SALERS.	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria.	39946	Premise Match	145m	South West
CLEANING CLOTH MFRS. &/OR DISTS.	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria.	15377	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS.	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria.	20587	Premise Match	145m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TEXTILE WASTE - MERCHANTS.	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria.	93059	Premise Match	145m	South West
TEXTILE WASTE - MERCHANTS.	Textile-Raw Materials, 216 Wyndham St., Alexandria.	93060	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS.	Textile-Raw Materials, 216 Wyndham St., Alexandria.	98343	Premise Match	145m	South West
SECONDHAND DEALERS.	Textile-Raw Materials, 216 Wyndham St., Alexandria.	85504	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS.	Textile-Raw Materials, 216 Wyndham St., Alexandria.	20588	Premise Match	145m	South West
EXPORTERS.	Textile-Raw Materials, 216 Wyndham St., Alexandria.	31817	Premise Match	145m	South West
PRINTERS - LITHOGRAPHIC.	Graham, G. W. & Co. Pty. Ltd., 5 Henderson Rd., Alexandria,.	76656	Premise Match	146m	North West
PRINTERS - LITHOGRAPHIC.	Lindwall & Ward Printers, 5 Henderson Rd., Alexandria.	76737	Premise Match	146m	North West
PRINTERS - LETTERPRESS.	Lindwall & Ward Printers, 5 Henderson Rd., Alexandria.	76249	Premise Match	146m	North West
FURNITURE DEALERS-SECONDHAND.	Harrys Bazaar, 146 Regent St., Redfern,	37010	Premise Match	148m	North West

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1986 Business to Business Directory Records Road or Area Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
CLOTHING MFRS. &/OR W/SALERS.-LADIES FROCKS &/OR SUITS.	Ashok Clothing Co. Pty. Ltd., McEvoy St., Waterloo.	15914	Road Match	0m
T-SHIRT - PRINTERS &/OR SUPPLIERS.	Ashok Clothing Co. Pty. Ltd., McEvoy St., Waterloo.	90196	Road Match	0m
IMPORTERS.	Vasa Agencies (Aust) Pty. Ltd., 373 George St., Waterloo.	47951	Road Match	0m
KITCHENWARE &/OR HOLLOWARE MFRS. &/OR DISTS.	Vasa Agencies (Aust.) Pty. Ltd., 373 George St., Waterloo.	50598	Road Match	0m
MOTOR GARAGES & SERVICE STATIONS.	Waterloo Service Station, McEvoy St., Waterloo.	65686	Road Match	0m
MOTOR ENGINEERS.	Waterloo Service Ststion, McEvoy St., Waterloo,.	63616	Road Match	0m
BUYING AGENTS &/OR CONFIRMING HOUSES.	Buyers Advisory Service, George St., Redfern.	10980	Road Match	22m
MOTOR GARAGES & SERVICE STATIONS.	Redfern Service Centre, George St., Redfern.	65328	Road Match	22m
BALL &/OR ROLLER BEARINGS MFRS. &/OR IMPS. &/OR DISTS.	Bearing Service Pty. Ltd., McEvoy St., Alexandria.	5224	Road Match	93m
ENGINEERS SUPPLIES	Bearing Service Pty. Ltd., McEvoy St., Alexandria.	31369	Road Match	93m
CLOTHING MFRS. &/OR W/SALERS.-LADIES FROCKS &/OR SUITS.	Hartnell Norman Sales, McEvoy St., Alexandria.	15983	Road Match	93m
CLOTHING MFRS. &/OR W/SALERS.-LADIES FROCKS &/OR SUITS.	Park Lane Fashions Pty. Ltd., McEvoy St., Alexandria.	16057	Road Match	93m
FOOTWEAR-BOOT & SHOE-MFRS.	Koala Shoes Productions Pty. Ltd., Henderson Rd., Alexandria.	34520	Road Match	103m
FOOTWEAR-CHILDRENS & INFANTS-MFRS.	Koala Shoes Productions Pty. Ltd., Henderson Rd., Alexandria.	34543	Road Match	103m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
PRINTERS - LITHOGRAPHIC.	Kelly, R. T, Pty. Ltd., 13 Allen St., Waterloo.	76713	Road Match	147m
PRINTERS - LETTERPRESS.	Kelly, R. T. Pty. Ltd., 13 Allen St. Waterloo.	76234	Road Match	147m

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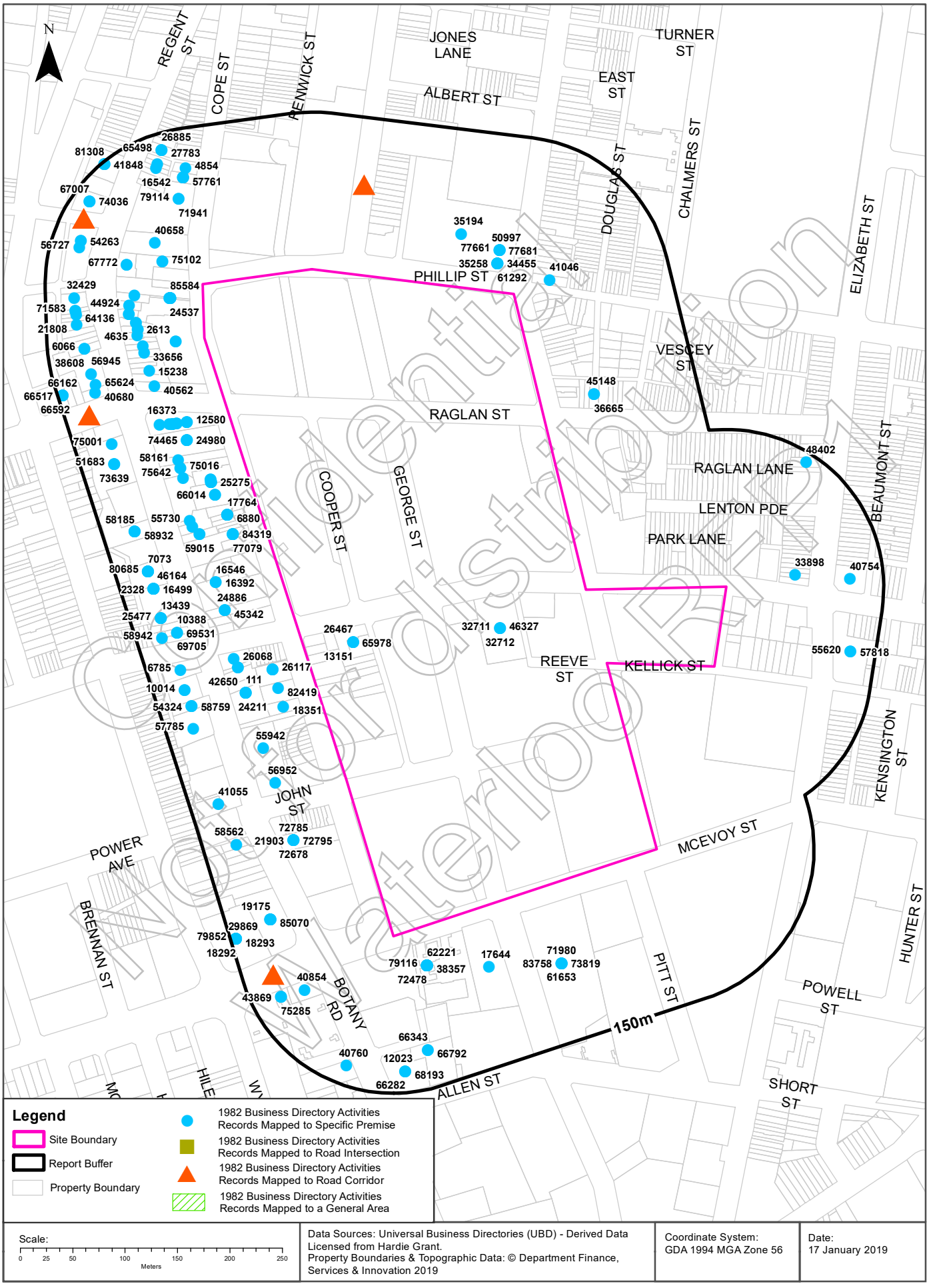
1982 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1982 Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
PRINTERS - LETTERPRESS. (P8420)	Argent Manufacturing Co. Pty. Ltd, 116 Wellington St., Waterloo.2017.	65978	Premise Match	0m	Onsite
CARDBOARD BOX &/OR CARTONMFRS. (C1530)	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo.2017.	13151	Premise Match	0m	Onsite
EMBOSSING SPECIALISTS. (E5280)	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo.2017.	26467	Premise Match	0m	Onsite
FOOTWEAR W/SALERS. &/OR DISTS. (F5650)	Ritchie, W. M. (Aust.) Pty. Ltd., 110 Wellington St., Waterloo,2017.	32711	Premise Match	0m	Onsite
MANUFACTURERS AGENTS, (M0800)	Ritchie, W. M. (Aust.) Pty. Ltd., 110 Wellington St., Waterloo.2017.	46327	Premise Match	0m	Onsite
FOOTWEAR W/SALERS. &/OR DISTS. (F5650)	Ritchie, W. M. (Robin Shoes) Pty. Ltd., 110 Wellington St.,Waterloo. 2017.	32712	Premise Match	0m	Onsite
FURNITURE IMPORTERS. (F7730)	Arredorama international Pty. Ltd., 154 Pitt St, Radfern. 2016.	35152	Premise Match	27m	North
FURNITURE MFRS. &/OR. W/SALERS. - OFFICE. (F8675)	Arredorama International Pty. Ltd., 154 Pitt St, Redfern. 2016.	35258	Premise Match	27m	North
FURNITURE - CONTEMPORARY MFRS, &/W/SALERS. (F7400)	Arredorama International Pty. Ltd., 154 Pitt St, Redfern. 2016.	34455	Premise Match	27m	North
FURNITURE-GENERAL-MFRS.&/OR W/SALERS. (F7675)	Arredorama International Pty. Ltd., 154 Pitt St., Redfern. 2016.	34921	Premise Match	27m	North
OFFICE EQUIPMENT MFRS.&/OR DISTS. (O0400)	Arredorsma International Pty. Ltd., 154 Pitt St, Redfern. 2016.	61292	Premise Match	27m	North
BATHROOM EQUIPMENT MFRS.&/OR DISTS. (B1440)	Euromod Pty. Ltd., 154 P.tt St., Redfern. 2016.	4893	Premise Match	27m	North
EARTH MOVING &/OR ROADMAKING CONTRACTORS.(E0360)	Richards, R. Pty. Ltd., 100 Botany St, Waterloo. 2017.	24475	Premise Match	27m	North West
CARRIERS &/OR CARTAGE CONTRACTORS. (C2115)	Richards, R. Pty. Ltd., 100 Botany St., Waterloo. 2017.	13800	Premise Match	27m	North West
THREAD-SEWING IMPS. &/OR MFRS. &/OR DISTS. (T3S61)	Anchor Importing Co, Pty. Ltd., 86 Botany St., Redfern. 2016.	79999	Premise Match	31m	North West
RIBBON MFRS. &/OR DISTS. (R5285)	Anchor Importing Co. Pty. Ltd., 86 Botany St., Redfern. 2016.	71940	Premise Match	31m	North West
SEWING MACHINE NEEDLES MFRS. &/OR W/SALERS. (S2235)	Bowmer, Robert C. Pty. Ltd., 86 Botany St Redfern. 2016.	74113	Premise Match	31m	North West
HABERDASHERY-WHOLESALE.(H0100)	Bowmer, Robert C. Pty. Ltd., 86 Botany St, Radfern. 2016.	38354	Premise Match	31m	North West
THREAD-SEWING IMPS. &/OR MFRS. &/OR DISTS. (T3S61)	Bowmer, Robert C. Pty. Ltd., 86 Botany St., Redfern. 2016.	80002	Premise Match	31m	North West
ZIP FASTENER MFRS. &/OR DISTS. (Z0150)	Bowmer. Robert C. Pty. Ltd., 86 Botany St., Redfern. 2016.	85584	Premise Match	31m	North West
THREAD-SEWING IMPS. &/OR MFRS. &/OR DISTS. (T3S61)	Sewing Thread Specialists Pty. Ltd., 86 Botany St , Redfern. 2016.	80014	Premise Match	31m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
ZIP FASTENER MFRS. &/OR DISTS. (Z0150)	Sewing Thread Specialists Pty. Ltd., 86 Botany St., Redfern. 2016.	85585	Premise Match	31m	North West
TAPE - TEXTILE MFRS. &/OR W/SALERS. (T0850)	Sewing Thread Specialists Pty. Ltd., 86 Botany St., Redfern. 2016.	79118	Premise Match	31m	North West
RIBBON MFRS. &/OR DISTS. (R5285)	Sewing Thread Specialists Pty. Ltd., 86 Botany St., Redfern. 2016.	71948	Premise Match	31m	North West
HABERDASHERY-WHOLESALE.(H0100)	Sewing Thread Specialists Pty. Ltd., 86 Botany St., Redfern. 2016.	38367	Premise Match	31m	North West
MACHINE KNIFE MFRS. (M0060)	Bohler Steels Pty. Ltd., 146 Cope St, Waterloo. 2017.	45654	Premise Match	31m	West
GUILLOTINE BLADE/SHEAR MFRS.&/OR DISTS. (G8190)	Bohler Steels Pty. Ltd., 146 Cope St, Waterloo. 2017.	38210	Premise Match	31m	West
STEEL MERCHANTS - ALLOY &/OR TOOL STEEL. (S6390)	Bohler Steels Pty. Ltd., 146 Cope St, Waterloo. 2017.	77079	Premise Match	31m	West
STEEL IMPORTERS, (S6315)	Bohler Steels Pty. Ltd., 146 Cope St., Waterloo. 2017.	77065	Premise Match	31m	West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.(W3520)	Bohter Steels Pty. Ltd., 146 Cope St., Waterloo. 2017.	84319	Premise Match	31m	West
FOOD PRODUCTS MFRS. &/OR DISTS. (F5050)	Solomon, R. & Co., 136 Cope St Waterloo. 2017.	32102	Premise Match	31m	West
GROCERS - WHOLESALE. (G8000)	Solomon, R. & Co., 136 Cope St., Waterloo. 2017.	38205	Premise Match	31m	West
MACARONI MFRS. &/OR DISTS.(M0020)	Solomon, R. & Co., 136 Cope St., Waterloo. 2017.	45649	Premise Match	31m	West
BISCUIT MFRS. &/OR DISTS. (B2580)	Solomon, R. & Co., 136 Cope St., Waterloo. 2017.	6880	Premise Match	31m	West
CONDIMENT MFRS. & DISTS. (C7230)	Solomon, R. & Co., 136 Cope St., Waterloo. 2017.	17764	Premise Match	31m	West
FOOD PROCESSORS &/OR PACKERS. (F4925)	Solomon, R. & Co., 136 Cope St., Waterloo. 20171.	32029	Premise Match	31m	West
ELASTIC MFRS, &/OR W/SALERS.(E0930)	Bowmer, Robert C. Pty. Ltd., 86 Botany St, Redfern. 2016.	24531	Premise Match	32m	North West
ELASTIC MFRS, &/OR W/SALERS.(E0930)	Sewing Thread Specialists Pty. Ltd., 86 Botany St., Redfern. 2016.	24537	Premise Match	32m	North West
PRINTERS - LETTERPRESS. (P8420)	Knudsen Printing Pty. Ltd., 126 Cope St., Waterloo. 2017.	66150	Premise Match	35m	North West
PRINTERS - LITHOGRAPHIC (OFFSET). (P8440)	Knudsen Printing Pty. Ltd., 126 Cope St., Waterloo. 2017.	66575	Premise Match	35m	North West
ELECTRONIC COMPONENTS MFRS.&/OR DISTS. (E4587)	Amtron Tyree Pty. Ltd 176 Cope St., Waterloo. 2017.	26068	Premise Match	35m	South West
ELECTRICAL ACCESSORIES MFRS.&/OR W/SALERS. (E3170)	Amtron Tyree Pty. Ltd., 176 Cope St, Waterloo. 2017-	25322	Premise Match	35m	South West
ELECTRONIC EQUIPMENT MFRS.&/OR DISTS. (E4770)	Amtron Tyree Pty. Ltd., 176 Cope St., Waterloo. 2017.	26117	Premise Match	35m	South West
TYPESETTERS - TRADE. (T8500)	Dova Type Shop,The, 180 Cope St, Waterloo. 2017.	82419	Premise Match	35m	South West
TAPE - CELLULOSE - INDUSTRIAL.(T0750)	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo. 2017.	79104	Premise Match	36m	North West
ABRASIVE MERCHANTS &/OR DISTS. (A0245)	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo. 2017.	89	Premise Match	36m	North West
ADHESIVES - TAPE MFRS. &/OR DISTS. (A1230)	Daines, Harry Pty. Ltd., 128 Cope St., Waterloo. 2017.	1252	Premise Match	36m	North West
TAPE-ADHESIVE-MFRS. &/OR IMPS. &/OR DISTS. (T0745)	Daines. Harry Pty. Ltd., 128 Cope St., Waterloo. 2017.	79088	Premise Match	36m	North West
ELECTRIC TOOLS - PORTABLE - MFRS. &/OR DISTS. (E2970)	Dames. Harry Pty. Ltd., 128 Cope St., Waterloo. 2017.	25275	Premise Match	36m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
COURIER SERVICES, (C8615)	Wards International, 184 Cope St., Waterloo. 2017.	18351	Premise Match	36m	South West
BOOKBINDERS. (B4340)	Bragg, Edgar & Sons Pty. Ltd, 130 Cope St., Waterloo. 2017.	7642	Premise Match	36m	West
PRINTERS - LETTERPRESS. (P8420)	Bragg, Edgar & Sons Pty. Ltd., 130 Cope St., Waterloo 2017.	66014	Premise Match	36m	West
PRINTERS - LITHOGRAPHIC (OFFSET). (P8440)	Bragg, Edgar & Sons Pty. Ltd., 130 Cope St., Waterloo. 2017.	66417	Premise Match	36m	West
HOTELS - LICENSED. (H7150)	Somerset Hotel, 191 Pitt St., Redfern. 2016.	41046	Premise Match	37m	North
MANUFACTURERS AGENTS, (M0800)	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo,2017.	46127	Premise Match	37m	South
MARBLE &/OR GRANITE MERCHANTS. (M0920)	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo.2017.	46438	Premise Match	37m	South
IMPORTERS. (I0750)	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo.2017.	41406	Premise Match	37m	South
HAT &/OR CAP MFRS. &/OR W/SALERS. (H2500)	Hat Accessories, 54 McEvoy St., Waterloo. 2017.	39387	Premise Match	37m	South
HAT MFRS. SUPPLIES. (H2550)	Hat Accessories, 54 McEvoy St., Waterloo. 2017.	39394	Premise Match	37m	South
RIBBON MFRS. &/OR DISTS. (R5285)	Hat Bands Pty. Ltd, 54 McEvoy St, Waterloo. 2017.	71946	Premise Match	37m	South
TAPE - TEXTILE MFRS. &/OR W/SALERS. (T0850)	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo. 2017.	79116	Premise Match	37m	South
HAT MFRS. SUPPLIES. (H2550)	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo. 2017.	39395	Premise Match	37m	South
HABERDASHERY-WHOLESALE.(H0100)	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo. 2017.	38357	Premise Match	37m	South
PRINTERS SUPPLIES. (P8660)	Multapex Pty. Ltd., 54 McEvoy St., Waterloo. 2017.	66945	Premise Match	37m	South
PACKAGING &/OR PACKING SPECIALISTS. (P0040)	Tapex Pty, Ltd , 54 McEvoy St Waterloo. 2017.	62221	Premise Match	37m	South
ROPE, CORDAGE &/OR TWINE MFRS. &/OR DISTS, (R6860)	Tapex Pty. Ltd., 54 McEvoy St., Waterloo. 2017.	72478	Premise Match	37m	South
TAPE - TEXTILE MFRS. &/OR W/SALERS. (T0850)	Tapex Pty. Ltd., 54 McEvoy St., Waterloo. 2017.	79119	Premise Match	37m	South
TAPE-TYING MFRS. &/OR W/SALERS. (T0875)	Tapex Pty. Ltd., 54 McEvoy St., Waterloo. 2017.	79122	Premise Match	37m	South
CHEMISTS MFRG.&/OR W/SALERS. (C4095)	Paarca, William & Co. Pty. Ltd., 152 Pitt St, Redfern. 2016.	14643	Premise Match	39m	North
SURGICAL DRESSING MFRS. &/OR DISTS. (S7980)	Pearce, William & Co. Pty. Ltd., 152 Pitt St, Redfern. 2016.	77661	Premise Match	39m	North
SURGICAL INSTRUMENTS MFRS.&/OR SPECIALISTS. (S8025)	Pearce, William & Co. Pty. Ltd., 152 Pitt St., Redfern . 2016.	77681	Premise Match	39m	North
HOSPITAL SUPPLIES &EQUIPMENT MFRS. &/OR DISTS.(H6110)	Pearce, William & Co. Pty. Ltd., 152 Pitt St., Redfern. 2016.	40399	Premise Match	39m	North
MEDICAL SUPPLIES. (M2040)	Pearce, William & Co. Pty. Ltd., 152 Pitt St., Redfern. 2016.	50997	Premise Match	39m	North
CAKE SHOPS &/OR PASTRYCOOKS. (C0465)	Dooley, K., 134 Raglan St., Alexandria. 2015.	12580	Premise Match	40m	North West
BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)	Frans Beauty Salon, 1348 Raglan St., Alexandria. 2015.	5656	Premise Match	40m	North West
BUTCHERS - RETAIL. (B8040)	Maja Meats, 134A Raglan St., Alexandria 2015.	11196	Premise Match	40m	North West
SMALL GOODS MFRS. &/OR W/SALERS. (S3960)	Pastoral Smallgoods Co. Pty. Ltd., 80 Botany St., Redfern. 2016.	75102	Premise Match	43m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CLOTHING - GENERAL MFRS.&/OR W/SALERS. (C5167)	Jongheng Bros., 80A Botany St., Redfern. 2016.	16718	Premise Match	44m	North West
ELECTRIC MOTOR DEALERS &/OR W/SALERS. (E2280)	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo. 2017,	24980	Premise Match	45m	North West
MACHINERY DEALERS-SECONDHAND. (M0140)	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo. 2017.	45756	Premise Match	45m	North West
WOODWORKING MACHINERY MFRS. &/OR IMPS. &/OR MERCHANTS. (W7850)	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo. 2017.	85324	Premise Match	45m	North West
SHEET METAL WORKERS MACHINERY MFRS. &/OR MERCHANTS. (S2610)	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo. 2017.	74465	Premise Match	45m	North West
CLOTHING-BABIES & CHILDRENS WEAR MFRS. &/OR W/SALERS. (C5162)	Bimba Manufacturing Pty. Ltd., 136 Raglan St., Alexandria. 2015.	16373	Premise Match	50m	North West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS. (C5166)	Bimba Manufacturing Pty. Ltd., 136 Raglan St., Alexandria. 2015.	16492	Premise Match	50m	North West
FURNITURE-LOUNGE SUITES MFRS. &/OR W/SALERS. (F7800)	Contribution Furniture Co. Pty. Ltd., 62 Phillip St, Redfern.2016.	35194	Premise Match	51m	North
GIFTS - WHOLESALE. (G3470)	Davis, P. G. & Sons, 67 Raglan St., Waterloo. 2017.	36665	Premise Match	52m	North East
LEATHER GOODS MFRS. &/OR W/SALERS. (L3350)	Davis, P. G. & Sons, 67 Raglan St., Waterloo. 2017.	45148	Premise Match	52m	North East
MEDICAL PRACTITIONERS. (M2020)	Duncombe, Chris, 138 Raglan St., Alexandria. 2015	47936	Premise Match	54m	North West
MEDICAL PRACTITIONERS. (M2020)	Lowy, A., 138 Raglan St., Alexandria. 2015.	49142	Premise Match	54m	North West
MEDICAL PRACTITIONERS. (M2020)	Sekel, R., 138 Raglan St., Alexandria. 2015.	50200	Premise Match	54m	North West
CHEMISTS - PHARMACEUTICAL. (C4110)	O'Mullane, L., 140 Raglan St., Alexandria. 2015.	15474	Premise Match	57m	North West
CONCRETE PRODUCTS MFRS.&/OR DISTS. &/OR W/SALERS.(C6945)	Pioneer Concrete (Alexandria), 338 George St., Waterloo. 2017.	17644	Premise Match	57m	South
HOTELS - LICENSED. (H7150)	Abbotts Hotel, 47 Botany Rd., Waterloo. 2017.	40562	Premise Match	59m	North West
RESTAURANTS. (R5180)	Canton Cafe, 35 Botany Rd., Alexandria. 2015.	70563	Premise Match	59m	North West
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Car Builders Pty. Ltd., 65 Botany Rd., Waterloo. 2017.	58161	Premise Match	59m	North West
FRUITERERS &/OR GREENGROCERS. (F6775)	Khoury, N. M., 37 Botany Rd., Waterloo. 2017.	33656	Premise Match	59m	North West
HOTELS - LICENSED. (H7150)	Clifton Hotel, 1 Botany Rd., Alexandria. 2015.	40658	Premise Match	60m	North West
CHEMISTS - PHARMACEUTICAL. (C4110)	Kirby, M. C., 43 Botany Rd., Waterloo, 2017.	15238	Premise Match	60m	North West
SPORTS GOODS WHOLESALERS.(S4890)	Skima Imports Australia Pty. Ltd., 67 Botany Rd., Waterloo, 2017.	75642	Premise Match	60m	North West
SKI-SNOW EQUIPMENT &/ORAPPAREL. (S3750)	Skima Imports Australia Pty. Ltd., 67 Botany Rd., Waterloo. 2017,	75016	Premise Match	60m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Total Waterloo Service Station, 69 Botany Rd., Waterloo. 2017.	57756	Premise Match	60m	West

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ELECTRIC LIGHT FITTINGS (SHADES. BRACKETS, ETC) MFRS.&/OR DISTS. (E1980)	Fortune Lighting, 117A Botany Rd., Waterloo. 2017.	24809	Premise Match	61m	West
ELECTRIC LIGHT SPECIALISTS&/OR INSTALLERS &/OR DESIGNERS. (E2040)	Fortune Lighting, 117A Botany Rd., Waterloo. 2017.	24886	Premise Match	61m	West
LIGHTING SPECIALISTS. (L4455)	Fortune Lighting, 117A Botany Rd., Waterloo. 2017.	45342	Premise Match	61m	West
CLOTHING-BABIES & CHILDRENS WEAR MFRS. &/OR W/SALERS. (C5162)	G.A. Fashions Pty. Ltd., 107 Botany Rd., Waterloo. 2017.	16392	Premise Match	61m	West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS. (C5166)	G.A. Fashions Pty. Ltd., 107 Botany Rd., Waterloo. 2017.	16546	Premise Match	61m	West
MOTOR SILENCER MFRS. &/OR DISTS. (M7820)	Multifit Stainless Steel Silencers Pty. Ltd., 91 Botany Rd., Waterloo,2017.	59015	Premise Match	62m	West
MOTOR EXHAUST SYSTEMS MFRS. (M6705)	Multifit Stainless Steel Silencers Pty. Ltd., 91 Botany Rd., Waterloo.2017.	55864	Premise Match	62m	West
ANIMAL &/OR BIRD DEALERS.(A5850)	Aquatic World, 31 Botany Rd., Alexandria. 2015.	2613	Premise Match	63m	North West
MEDICAL PRACTITIONERS. (M2020)	Springer, T., 31A Botany Rd., Alexandria. 2015.	50392	Premise Match	63m	North West
DRESS SHOPS & ACCESSORIES.(D7450)	Boutique One, 29 Botany Rd., Alexandria. 2015.	22557	Premise Match	64m	North West
BUTCHERS - RETAIL. (B8040)	Olympia Meats, 29A Botany Rd., Waterloo. 2017.	11335	Premise Match	64m	North West
BAKERS - BREAD. (B0440)	Vicki's Hot Bread, 33 Botany Rd., Alexandria. 2015.	4635	Premise Match	64m	North West
GROCERS - RETAIL. (G7850)	Flemings, 19 Botany Rd., Alexandria 2015.	37550	Premise Match	65m	North West
INSURANCE BROKERS. (I4250)	Nash D. Pilling Insurance Group, 127 Botany Rd., Waterloo. 2017.	42650	Premise Match	65m	South West
ELECTRIC LIGHT GLOBE &/OR ELEMENT MFRS. & DISTS. (E2010)	Nash D. Pilling Insurance Group, 127 Botany Rd., Waterloo. 2017.	24862	Premise Match	65m	South West
SAFE &/OR STRONGROOM DOOR MFRS. &/OR DISTS. (S0105)	O'Brien, W. F. Pty. Ltd , 169 Botany Rd., Waterloo. 2017.	72785	Premise Match	65m	South West
SAFES &/OR STRONGROOM DOORS REPAIRERS. (S0120)	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo. 2017.	72795	Premise Match	65m	South West
SECURITY SERVICES. (S1830)	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo. 2017.	74012	Premise Match	65m	South West
RUBBER STAMP MFRS. &/OR DISTS. (R8120)	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo. 2017.	72678	Premise Match	65m	South West
DOOR CLOSER MFRS. &/OR DISTS. (D5650)	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo. 2017.	21903	Premise Match	65m	South West
FRUITERERS &/OR GREENGROCERS. (F6775)	Ruggero, J., 701 Elizabeth St., Waterloo. 2017.	33898	Premise Match	66m	East
ENGINEERS SUPPLIES. (E8370)	Dunlop-Flexhide Pty. Limited, 53b Botany Rd., Alexandria. 2015.	29438	Premise Match	66m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Alexandria Auto Port, 159 Botany Rd., Waterloo. 2017.	55942	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo. 2017.	56952	Premise Match	66m	South West
ELECTRIC TOOLS - PORTABLE - MFRS. &/OR DISTS. (E2970)	Winnick Machines (Rupes Aust.) Pty.Ltd., 133 Botany Rd., Waterloo.2017.	25314	Premise Match	66m	South West
ENGINEERS SUPPLIES. (E8370)	Winnick Machines (Rupes Aust., Pty.Ltd)., 133 Botany Rd., Waterloo.2017.	29525	Premise Match	66m	South West

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WOODWORKING MACHINERY MFRS. &/OR IMPS. &/OR MERCHANTS. (W7850)	Winnick Machines (Rupes Aust.,Pty.Ltd)., 133 Botany Rd., Waterloo.2017.	85330	Premise Match	66m	South West
ABRASIVE MERCHANTS &/OR DISTS. (A0245)	Winnick Machines(Rupes Aust.)Pty.Ltd., 133 Botany Rd, Waterloo.2017.	111	Premise Match	66m	South West
DUST COLLECTION &/OR FUME EXTRACTION EQUIPMENT MFRS.&/OR DISTS. (D9405)	Winnick Machines(Rupes Aust.)Pty.Ltd., 133 Botany Rd., Waterloo.2017.	24211	Premise Match	66m	South West
MOTOR ENGINEERS. (M6660)	Chris & Con Motor Repairs, 85 Botany Rd., Waterloo. 2017.	55730	Premise Match	66m	West
LOCKSMITHS &/OR KEY CUTTERS. (L6350)	Longhurst & Andrew Pty. Ltd., 87 Botany Rd., Waterloo. 2017.	45566	Premise Match	66m	West
HOTELS - LICENSED. (H7150)	Cauliflower Hotel, 123 Botany Rd., Waterloo. 2017.	40643	Premise Match	67m	West
NEWSAGENTS. (N0800)	Boag, D. & I , 27 Botany Rd., Alexandria, 2015.	60387	Premise Match	71m	North West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS. (C5166)	Koudrougeras, G., 27A Botany Rd., Alexandria. 2015.	16592	Premise Match	71m	North West
LAUNDRIES &/OR LAUNDRETTES.(L1850)	Waterloo Coin Laundry, 23 Botany Rd., Alexandria. 2015.	44924	Premise Match	71m	North West
DIRECTORY PUBLISHERS. (D4000)	Bentleys Advertising Add Sales, 11 Botany Rd., Alexandria. 2015.	21529	Premise Match	74m	North West
PUBLISHERS. (P9240)	Bentleys Advertising Add Sales, 11 Botany Rd., Alexandria. 2015.	67772	Premise Match	74m	North West
OIL SEAL MFRS. &/OR DISTS.(O2200)	Associated Bearing Co. Pty. Ltd., 42 McEvoy St Waterloo. 2017.	61653	Premise Match	75m	South
BEARINGS &/OR BUSH MFRS.&/OR DISTS. (B1980)	Associated Bearing Co. Pty. Ltd., 42 McEvoy St., Waterloo. 2017.	5079	Premise Match	75m	South
NAIL &/OR STAPLE MFRS. (N0100)	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo. 2017.	60261	Premise Match	75m	South
SCREW MFRS. &/OR W/SALERS.(S1680)	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo. 2017.	73819	Premise Match	75m	South
WASHER MFRS. (W0720)	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo. 2017.	83758	Premise Match	75m	South
RIVET MFRS. (R5495)	Cooke, Sidney Fasteners Pty., Ltd., 40 McEvoy St, Waterloo. 2017.	71980	Premise Match	75m	South
RIBBON MFRS. &/OR DISTS. (R5285)	Bowmer, Robert C. Pty. Ltd., 66 Botany St., Redfern. 2016.	71941	Premise Match	84m	North West
TAPE - TEXTILE MFRS. &/OR W/SALERS. (T0850)	Bowmer, Robert C. Pty. Ltd., 66 Botany St., Redfern. 2016.	79114	Premise Match	84m	North West
HOTELS - LICENSED. (H7150)	Iron Duke Hotel, 220 Botany Rd., Alexandria. 2015.	40854	Premise Match	99m	South
MOTOR BODY BUILDERS. (M5020)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern. 2016,	54224	Premise Match	103m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern. 2016.	57761	Premise Match	103m	North West
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern. 2016.	58793	Premise Match	103m	North West
MOTOR BODY REPAIRS &/OR CONVERTERS. (M5140)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern. 2016.	54334	Premise Match	103m	North West
SPRAYERS - INDUSTRIAL. (S5025)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern. 2036.	75835	Premise Match	103m	North West
DATA PROCESSING EQUIPMENT MFRS. &/OR DISTS. &/OR HIRERS.(D1050)	C. R. Contracts Pty. Ltd., (Div. The Computers Resources Co.), 204 Botany Rd., Alexandria. 2015.	19016	Premise Match	108m	South West
DATA PROCESSING EQUIPMENT MAINTENANCE & SERVICE. (D1035)	C.R. Contracts Pty, Ltd., (Div. The Computers Resources Co,), 204 Botany Rd., Alexandria. 2015.	18981	Premise Match	108m	South West
STATIONERY-CONTINUOUS.(S558D)	C.R. Contracts Pty. Ltd., (Div. The Computers Resources Co.), 204 Botany Rd., Alexandria. 2015.	76710	Premise Match	108m	South West

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DATA PROCESSING CONSULTANTS. (D0980)	C.R. Contracts Pty. Ltd., (Div. The Computers Resources Co.), 204 Botany Rd., Alexandria. 201S.	18931	Premise Match	108m	South West
DATA PROCESSING SYSTEMS&/OR EQUIPMENT, (D1110)	C.R. Contracts Pty. Ltd., (Div. The Computers Resources Co.), 204Botany Rd., Alexandria. 2015.	19175	Premise Match	108m	South West
WINE &/OR SPIRIT MERCHANTS - WHOLESALE. (W6000)	Saxonvale Wines Pty. Ltd., 204 Botany Rd., Alexandria. 2015.	85070	Premise Match	108m	South West
AIR CHARTER SERVICES. (A3270)	Wings Australia Pty. Ltd., 210 Botany Rd., Alexandria. 2025.	1793	Premise Match	108m	South West
REAL ESTATE AGENTS. (R2555)	Philip, George & Co. Pty. Ltd., 130 Botany Rd., Alexandria. 2015.	69531	Premise Match	111m	West
REAL ESTATE AGENTS. (R2555)	Silver & Co., 130 Botany Rd., Alexandria. 2015.	69705	Premise Match	111m	West
BUSINESS AGENTS &/OR BROKERS. (B7920)	Silver & Co., 130 Botany Rd., Alexandria. 2015.	10388	Premise Match	111m	West
POULTRY DEALERS - RETAIL.(P7480)	Battler Bob's, 54 Botany Rd., Alexandria. 2015.	65624	Premise Match	112m	North West
BATH &/OR SINK HEATER REPAIRERS. (B1360)	Hot Spring Heaters Pty. Ltd., 56 Botany St, Redfern. 2016.	4854	Premise Match	112m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Harrys Car Repairs, 50 Botany Rd., Alexandria. 2015	56945	Premise Match	113m	North West
PRINTERS - LITHOGRAPHIC (OFFSET). (P8440)	Windsor, A. & Son Pty. Ltd., 4 James St., Waterloo. 2017.	66792	Premise Match	114m	South
PRINTERS - LETTERPRESS. (P8420)	Windsor, A. & Son Pty. Ltd., 4 James St., Waterloo. 2017.	66343	Premise Match	114m	South
SKI-SNOW EQUIPMENT &/ORAPPAREL. (S3750)	Alpine Leisure (Aust.) Pty. Ltd., 62 Botany Rd., Alexandria. 2015.	75001	Premise Match	115m	North West
HOTELS - LICENSED. (H7150)	Cricketer's Arms Hotel, 56 Botany Rd., Alexandria. 2015.	40680	Premise Match	115m	North West
HAIRDRESSERS - GENTS. (H0550)	Lee, N. M., 42 Botany Rd., Alexandria. 2015.	38608	Premise Match	115m	North West
BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)	Lee, N. M., 42 Botany Rd., Alexandria. 2015.	6066	Premise Match	115m	North West
HOTELS - LICENSED. (H7150)	George Hotel, The, 760 Elizabeth St., Waterloo, 2017.	40754	Premise Match	118m	East
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	New York Car Repairs Pty. Ltd., 186 Botany Rd., Alexandria. 2015.	58562	Premise Match	118m	South West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS. (C5166)	Fourtounis, D., 189 Regent St., Redfern. 2016.	16542	Premise Match	119m	North West
MOTOR BRAKE, SPARE PARTS MFRS. &/OR W/SALERS. (M5260)	Summer Motors, 144 Botany Rd., Alexandria. 2015.	54491	Premise Match	119m	South West
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Summer Motors, 144 Botany Rd., Alexandria. 2015.	58759	Premise Match	119m	South West
MOTOR BODY REPAIRS &/OR CONVERTERS. (M5140)	Summer Motors, 144 Botany Rd., Alexandria. 2015.	54324	Premise Match	119m	South West
SCRAP METAL MERCHANTS. (S1605)	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria. 2015.	73639	Premise Match	119m	West
METAL MERCHANTS. (M2360)	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria. 2015.	51683	Premise Match	119m	West
LEAD MERCHANTS &/OR SUPPLIERS. (L2750)	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria. 2015.	45079	Premise Match	119m	West
BOAT, LAUNCH &/OR YACHT ACCESSORIES MFRS. &/OR DISTS. (B3560)	Basham, N.W. Pty. Ltd., 102 Botany Rd., Alexandria. 2015.	7073	Premise Match	119m	West
TOOL MANUFACTURERS. (T5475)	Basham, R. W, Pty. Ltd., 106 Botany Rd., Alexandria. 2015.	80685	Premise Match	119m	West

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MARINE EQUIPMENT MFRS. &/OR DISTS. (M1120)	Basham, R. W. Pty. Ltd., 102 Botany Rd., Alexandria. 2015.	46503	Premise Match	119m	West
MANUFACTURERS AGENTS, (M0800)	Budden Thomas Pty. Ltd., 102 Botany Rd., Alexandria. 2015,	46164	Premise Match	119m	West
HARDWARE MERCHANTS - WHOLESALE. (H2100)	Budden Thomas Pty. Ltd., 102 Botany Rd., Alexandria. 2015.	39322	Premise Match	119m	West
HARDWARE MFRS. &/OR DISTS.(H2000)	Budden Thomas Pty. Ltd., 102 Botany Rd., Alexandria. 2015.	38973	Premise Match	119m	West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS. (C5166)	Chlandro Pty. Ltd., 110 Botany Rd., Alexandria. 2015.	16499	Premise Match	119m	West
BEDSTEAD MFRS. (B2100)	Franlor Living Beds Pty. Ltd., 134 Botany Rd., Alexandria. 2015.	6785	Premise Match	119m	West
JOINERY MANUFACTURERS. (J1050)	Hectors Partition & Carpentry, 110 Botany Rd., Alexandria. 2015.	43962	Premise Match	119m	West
PARTITION MFRS. &/OR DISTS.(P1840)	Hectors Partition & Carpentry, 110 Botany Rd., Alexandria. 2015.	63073	Premise Match	119m	West
COURIER SERVICES, (C8615)	T.N.T. Courier Systems, 110 Botany Rd., Alexandria. 2015.	18344	Premise Match	119m	West
AIR CARGO AGENTS. (A3240)	T.N.T. Courier Systems, 110 Botany Rd., Alexandria. 2016.	1750	Premise Match	119m	West
AIRCRAFT MAINTENANCE SPECIALISTS. (A4560)	Wings Australia Pty. Ltd., 110 Botany Rd., Alexandria. 2015.	2305	Premise Match	119m	West
AIRCRAFT MFRS. &/OR DISTS.(A4590)	Wings Australia Pty. Ltd., 110 Botany Rd., Alexandria. 2015.	2328	Premise Match	119m	West
MOTOR CAR RADIO SPECIALISTS.(M5680)	Chapman, Walter Pty. Ltd., 86 Botany Rd, Alexandria. 2015.	54605	Premise Match	120m	West
MOTOR PANEL BEATERS &/OR SPRAY PAINTERS. (M7360)	Chapman, Walter Pty. Ltd., 86 Botany Rd, Alexandria. 2015.	58185	Premise Match	120m	West
MOTOR RADIATOR MFRS. (M7580)	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria, 2015.	58907	Premise Match	120m	West
MOTOR RADIATOR SPECIALISTS&/OR REPAIRERS. (M7620)	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria. 2015.	58932	Premise Match	120m	West
PICTURE FRAME MFRS. &/OR PICTURE FRAMERS. (P4270)	Papps, P. & T. Picture Framing, 30 Botany Rd., Alexandria. 2015.	64136	Premise Match	121m	North West
DISPOSAL STORES. (D4450)	Redfern Disposals, 34 Botany Rd., Alexandria. 2015.	21808	Premise Match	121m	North West
PLUMBERS, GASFITTERS &/OR DRAINLAYERS. (P6680)	Veney Bros., 138 Botany Rd , Alexandria. 2015.	65262	Premise Match	121m	South West
BUILDING ALTERATIONS &/ORREP	Veney Bros., 138 Botany Rd Alexandria. 2015.	10014	Premise Match	121m	South West
CARPET &/OR FLOOR COVERING PLANNERS &/OR LAYERS. (C1815)	Hermans Carpets, 126 Botany Rd., Alexandria. 2015.	13348	Premise Match	121m	West
CARPET &/OR FLOOR COVERING RETAILERS &/OR SPECIALISTS. (C1830)	Hermans Carpets, 126 Botany Rd., Alexandria. 2015.	13439	Premise Match	121m	West
CARPET CLEANERS &/OR SHAMPOOERS. (C1725)	Hermans Carpets, 126 Botany Rd., Alexandria. 2015.	13218	Premise Match	121m	West
ELECTRICAL CONTRACTORS - LICENSED. (E3360)	Instant Electrics Pty. Ltd., 126 Botany Rd., Alexandria, 2015.	25477	Premise Match	121m	West
RESTAURANTS. (R5180)	Pizzeria, 28 Botany Rd., Alexandria. 2015.	71583	Premise Match	122m	North West
TAKE-AWAY FOODS. (T0235)	Pizzeria, 28 Botany Rd., Alexandria. 2015.	78833	Premise Match	122m	North West
JEWELLERY - COSTUME MFRS.&/OR W/SALERS &/OR IMPS.(J0750)	Mol-Mos Industries Pty. Ltd., 64 McEvoy St, Alexandria.2015.	43869	Premise Match	122m	South
SOUVENIR MFRS. &/OR DISTS.(S4500)	Mol-Mos Industries Pty. Ltd., 64 McEvoy St., Alexandria.2015.	75285	Premise Match	122m	South

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SPORTING TROPHIES. (S4800)	Mol-Mos Industries Pty. Ltd., 64 McEvoy St., Alexandria.2015.	75332	Premise Match	122m	South
MOTOR BODY REPAIRS &/OR CONVERTERS. (M5140)	Chapman, Walter Pty. Ltd., 8b Botany Rd., Alexandria. 2015.	54263	Premise Match	123m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Esso Redfern Service Station, 10 Botany Rd., Redfern. 2016.	56727	Premise Match	123m	North West
BOOT&/OR SHOE REPAIRERS.(B4760)	Fourtounis, D., 187 Regent St., Redfern. 2016,	8169	Premise Match	123m	North West
FOOTWEAR RETAILERS (F5575)	Glass (Personality) Shoes, 22 Botany Rd., Alexandria. 2015.	32429	Premise Match	123m	North West
RESTAURANTS. (R5180)	Sun Hong Kong, 8 Botany Rd., Alexandria. 2015.	71774	Premise Match	123m	North West
HOTELS - LICENSED. (H7150)	Star Hotel. 170 Botany Rd Alexandria. 2015.	41055	Premise Match	123m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Valida Garage, 154 Botany Rd., Alexandria. 2015	57785	Premise Match	124m	South West
MOTOR ELECTRICIANS, (M6580)	Waterloo Car Centre (Caltex), 762 Elizabeth St., Waterloo. 2017.	55620	Premise Match	126m	East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Waterloo Car Centre (Caltex). 762 Elizabeth St. Waterloo. 2017.	57818	Premise Match	126m	East
MOTOR RADIATOR SPECIALISTS&/OR REPAIRERS. (M7620)	Kensington Auto Radiators, 1 Buckland St., Alexandria. 2015.	58942	Premise Match	126m	West
CABINET MAKERS. (C0030)	Invincible Cabinet Works Pty. Ltd., 211 Botany Rd., Waterloo. 2017.	12023	Premise Match	130m	South
RADIO, RADIOGRAM &/OR TELEVISION CABINET MFRS. (R0735)	Invincible Cabinet Works Pty. Ltd., 211 Botany Rd., Waterloo.2017.	68193	Premise Match	130m	South
PRINTERS - LETTERPRESS. (P8420)	Service Press Pty. Ltd., 211 Botany Rd, Waterloo. 2017.	66282	Premise Match	130m	South
HOTELS - LICENSED. (H7150)	Glenroy Hotel, 242 Botany Rd., Alexandria. 2015.	40760	Premise Match	132m	South
SEED MERCHANTS. (S1890)	Farrows Produce, 158 Regent St, Redfern. 2106.	74036	Premise Match	133m	North West
PRODUCE MERCHANTS-WHOLESALE. (P8960)	Farrows Produce, 158 Regent St., Redfern. 2106.	67033	Premise Match	133m	North West
PRODUCE MERCHANTS - GRAIN&/OR SEED - RETAIL. (P8920)	Panos, E. & S, 158 Regent St., Redfern. 2016.	67007	Premise Match	133m	North West
PNEUMATIC TOOLS MFRS. &/OR DISTS. (P6920)	Airspeed Products, 183 Regent St, Redfern. 2016.	65498	Premise Match	134m	North West
ENGINEERS-COMPRESSED AIR. (E6540)	Airspeed Products, 183 Regent St., Redfern. 2016.	26885	Premise Match	134m	North West
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL. (E7140)	Airspeed Products, 183 Regent St., Redfern. 2016.	27783	Premise Match	134m	North West
MEDICAL PRACTITIONERS. (M2020)	Guyot, J. R., 671 Elizabeth St., Waterloo. 2017.	48402	Premise Match	141m	East
TEXTILE WASTE - MERCHANTS.(T3350)	Stanlee Holdings Pty. Ltd., 216 Wyndham St Alexandria. 2015.	79851	Premise Match	145m	South West
CLEANING CLOTH MFRS. &/OR DISTS. (C4890)	Stanlee Holdings Pty. Ltd., 216 Wyndham St, Alexandria. 2015.	16244	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS, (C8510)	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria. 2013.	18292	Premise Match	145m	South West
HOTEL &/OR MOTEL EQUIPMENT SUPPLIES. (H7100)	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria. 2015.	40545	Premise Match	145m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
GLASSWARE, CRYSTALWARE, IMPS. &/OR MFRS. &/OR W/SALERS. (G4540)	Stanlee Holdings Pty. Ltd., 216 Wyndham St., Alexandria. 2015.	36913	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS, (C8510)	Textile-Raw Material , 216 Wyndham St, Alexandria. 2015.	18293	Premise Match	145m	South West
EXPORTERS. (E9270)	Textile-Raw Materials, 216 Wyndham St, Alexandria. 2015.	29869	Premise Match	145m	South West
TEXTILE WASTE - MERCHANTS.(T3350)	Textile-Raw Materials, 216 Wyndham St., Alexandria. 2015.	79852	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS.(W1040)	Textile-Raw Materials, 216 Wyndham St., Alexandria. 2015.	83869	Premise Match	145m	South West
SECONDHAND DEALERS. (S1815)	Textile-Raw Materials, 216 Wyndham St., Alexandria. 2015.	73951	Premise Match	145m	South West
PRINTERS - LITHOGRAPHIC (OFFSET). (P8440)	Graham, G. W. & Co. Pty. Ltd., 5 Henderson Rd., Alexandria.2015.	66517	Premise Match	146m	North West
PRINTERS - LETTERPRESS. (P8420)	Lindwall & Ward Printers, 5 Henderson Rd., Alexandria. 2015.	66162	Premise Match	146m	North West
PRINTERS - LITHOGRAPHIC (OFFSET). (P8440)	Lindwall & Ward Printers. 5 Henderson Rd., Alexandria. 2015.	66592	Premise Match	146m	North West
GIFTS - WHOLESALE. (G3470)	Variety Imports Pty, Ltd., 150 Regent St., Redfern. 2016.	36715	Premise Match	148m	North West
MANCHESTER MFRS. &/OR W/SALERS. (M0600)	Variety Imports Pty. Ltd., 150 Regent St., Redfern. 2016.	46047	Premise Match	148m	North West
IMPORTERS. (I0750)	Variety Imports Pty. Ltd., 150 Regent St., Redfern. 2016.	41848	Premise Match	148m	North West
TOY IMPS. &/OR W/SALERS. (T6225)	Variety Imports Pty. Ltd., 150 Regent St., Redfern. 2016.	81308	Premise Match	148m	North West

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1982 Business Directory Records Road or Area Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Regern Service Centre, George St., Redfern. 2016.	57450	Road Match	22m
BALL &/OR ROLLER BEARINGS MFRS. &/OR IMPS. &/OR DISTS.(B0760)	Bearing Service Pty. Ltd., McEvoy St., Alexandria. 2015.	4689	Road Match	93m
ENGINEERS SUPPLIES. (E8370)	Bearing Service Pty. Ltd., McEvoy St., Alexandria. 2015.	29417	Road Match	93m
MOP WRINGER MFRS. (M4520)	Tomlin, J. W. Pty. Ltd., McEvoy St, Alexandria. 2015.	53595	Road Match	93m
WHEELBARROW MFRS. (W4000)	Tomlin, J. W. Pty. Ltd., McEvoy St, Alexandria. 2015.	84406	Road Match	93m
BUCKET MFRS. &/OR DISTS. (B6900)	Tomlin, J. W. Pty. Ltd., McEvoy St., Alexandria. 2015.	9106	Road Match	93m
GALVANISING &/OR TINNING.(G0200)	Tomlin, J. W. Pty. Ltd., McEvoy St., Alexandria. 2015.	35594	Road Match	93m
HARDWARE MFRS. &/OR DISTS.(H2000)	Tomlin, J. W. Pty. Ltd., McEvoy St., Alexandria. 2015.	38999	Road Match	93m
SHEET METAL WORKERS. (S2595)	Tomlin, J. W. Pty. Ltd., McEvoy St., Alexandria. 2015.	74420	Road Match	93m
FOOTWEAR MFRS. - BOOTS &/OR SHOES. (F5350)	Koala Shoes Productions Pty. Ltd., Henderson Rd.,Alexandria. 2015.	32179	Road Match	103m

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Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
FOOTWEAR MFRS.-CHILDRENS&/OR INFANTS. (F5375)	Koala Shoes Productions Pty. Ltd., Henderson Rd.,Alexandria. 2015.	32200	Road Match	103m
ENGINEERS - DIESEL (E6750)	Diesel Injection (Aust.) Pty, Ltd., 10 Boundary St., Redfern. 2016.	27216	Road Match	113m
DIESEL FUEL INJECTION SPECIALISTS. (D3650)	Diesel Injection (Aust.) Pty. Ltd., 10 Boundary St., Redfern. 2016.	21518	Road Match	113m

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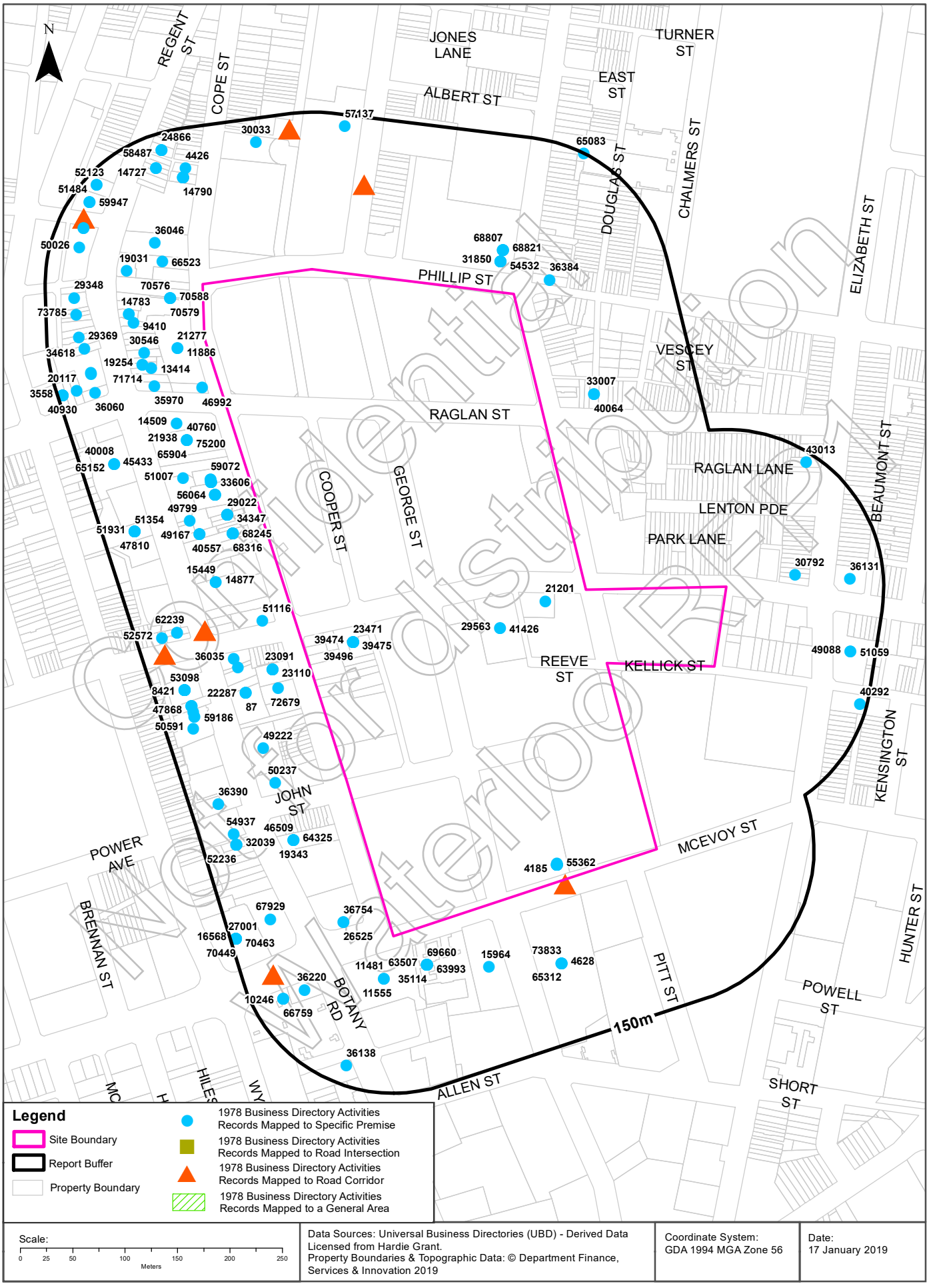
1978 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1978 Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CARDBOARD BOX &/OR CARTON MFRS.	Argent Manufacturing Co. Pty. Ltd, 116 Wellington St, Waterloo.	11302	Premise Match	0m	Onsite
LABELS-ADHESIVE.	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St, Waterloo	39475	Premise Match	0m	Onsite
EMBOSSING SPECIALISTS.	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St, Waterloo.	23471	Premise Match	0m	Onsite
PRINTERS-LETTERPRESS.	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St, Waterloo.	58890	Premise Match	0m	Onsite
LABELS-ADHESIVE.	Johnson & Johnson Pty. Ltd.116 Wellington St. Waterloo, N.S.W.	39474	Premise Match	0m	Onsite
MANUFACTURERS AGENTS.	Ritchie, W. M. (Aust.) Pty. Ltd., 110 Wellington St., Waterloo.	41426	Premise Match	0m	Onsite
FOOTWEAR W/SALERS &/OR DISTS.	Ritchie, W. M. (Aust.) Pty. Ltd., 110 Wellington St., Waterloo.	29563	Premise Match	0m	Onsite
PACKING & PACKAGING MATERIALS MFRS. &/OR SUPPLIERS.	Sarlon Australia Pty. Ltd. 47 McEvoy St, Waterloo.	55362	Premise Match	0m	Onsite
PACKING & PACKAGING MATERIALS MFRS. &/OR SUPPLIERS.	Sarlon Australia Pty. Ltd. 47 McEvoy Street, Waterloo	55339	Premise Match	0m	Onsite
PACKAGING &/OR PACKING SPECIALISTS.	Sarlon Australia Pty. Ltd., 47 McEvoy St, Waterloo.	55271	Premise Match	0m	Onsite
WEAVERS.	Sarlon Australia Pty. Ltd., 47 McEvoy St, Waterloo.	74069	Premise Match	0m	Onsite
FLY SCREEN DOOR &/OR WINDOW MFRS. &/OR DISTS.	Sarlon Australia Pty. Ltd., 47 McEvoy St, Waterloo.	28779	Premise Match	0m	Onsite
BAG &/OR SACK MERCHANTS.	Sarlon Australia Pty. Ltd., 47 McEvoy St, Waterloo.	4185	Premise Match	0m	Onsite
FIBRE GLASS MATERIALS - MATS, ROVINGS, CLOTHS MFRS. &/OR IMPS.	Sarlon Australia, 47 McEvoy St., Waterloo.	27351	Premise Match	0m	Onsite
FIBREGLASS PRODUCTS MFRS. MOULDING, FABRICATING EXTRUSIONS.	Sarlon Australia, 47 McEvoy St., Waterloo.	27406	Premise Match	0m	Onsite
LABELS-ADHESIVE.	Stickfast Labels Pty. Ltd., 116 Wellington St, Waterloo.	39496	Premise Match	0m	Onsite
PLASTIC EXTRUDERS.	Synthetic Yarns Pty. Ltd., 47 McEvoy St., Waterloo.	57562	Premise Match	0m	Onsite
YARN MFRS.	Synthetic Yarns Pty. Ltd., 47 McEvoy St., Waterloo.	75433	Premise Match	0m	Onsite
DYERS &/OR BLEACHERS-TRADE.	Trade & Carpet Dyeing Co. Pty. Ltd., 102 Wellington St., Waterloo.	21201	Premise Match	0m	Onsite
MIXED BUSINESSES.	Raglan-Botany Street Store, 125 Raglan St,, Waterloo.	46992	Premise Match	16m	North West
EARTH BORING &/OR POLE SETTING MACHINE MFRS.	Richards, R. Pty. Ltd., 100 Botany St., Waterloo.	21277	Premise Match	27m	North West
CARRIERS &/OR CARTAGE CONTRACTORS.	Richards, R. Pty. Ltd., 100 Botany St-Waterloo.	11886	Premise Match	27m	North West
FURNITURE MFRS. &/OR W/SALERS. -OFFICE.	Arredorama International Pty. Ltd, 154 Pitt St, Redfern.	32004	Premise Match	29m	North
FURNITURE-CONTEMPORARY MFRS. &/W/SALERS.	Arredorama International Pty. Ltd, 154 Pitt St, Redfern.	31294	Premise Match	29m	North
FURNITURE IMPORTERS.	Arredorama international Pty. Ltd. 154 Pitt street, Redfern, N.S.W.	31850	Premise Match	29m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Arredorama International Pty. Ltd., 154 Pitt St, Redfern	31546	Premise Match	29m	North
OFFICE EQUIPMENT MFRS. &/OR DISTS.	Arredorama International Pty. Ltd., 154 Pitt St, Redfern.	54532	Premise Match	29m	North
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Williamson, Don Pty. Ltd, 174 Botany St, Waterloo.	51116	Premise Match	30m	West
THREAD-SEWING IMPS. &/OR MFRS. &/OR DISTS.	Anchor Importing Co. Pty. Ltd., 86 Botany St., Redfern.	70576	Premise Match	31m	North West
THREAD-SEWING IMPS. &/OR MFRS. &/OR DISTS.	Bowmer, Robert C. Pty. Ltd., 86 Botany St, Redfern	70579	Premise Match	31m	North West
SEWING MACHINE NEEDLES MFRS, &/OR W/SALERS.	Bowmer, Robert C. Pty. Ltd., 86 Botany St, Redfern.	65594	Premise Match	31m	North West
THREAD-SEWING IMPS. &/OR MFRS. &/OR DISTS.	Sewing Thread Specialists Pty. Ltd., 86 Botany St., Redfern.	70588	Premise Match	31m	North West
STEEL MERCHANTS-ALLOY &/OR TOOL STEEL.	Bohler Steels Pty Ltd., 146 Botany St., Waterloo.	68265	Premise Match	31m	West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.	Bohler Steels Pty, Ltd., 146 Botany St., Waterloo.	74413	Premise Match	31m	West
STEEL MERCHANTS-GENERAL.	Bohler Steels Pty. Ltd, 146 Botany St., Waterloo	68316	Premise Match	31m	West
STEEL IMPORTERS.	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo.	68245	Premise Match	31m	West
MACHINE KNIFE MFRS.	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo.	40642	Premise Match	31m	West
GUILLOTINE BLADE/SHEAR MFRS &/ORDISTS.	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo.	34353	Premise Match	31m	West
FILE & TWIST DRILL MFRS. &/OR IMPS. &/OR DISTS.	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo.	27443	Premise Match	31m	West
FORGING MFRS,	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo.	29570	Premise Match	31m	West
LUBRICATING OILS &/OR GREASES.	Solomon, R, & Co., 136 Botany St., Waterloo	40634	Premise Match	31m	West
GROCERS-WHOLESALE.	Solomon, R. & Co., 136 Botany St., Waterloo.	34347	Premise Match	31m	West
BISCUIT MFRS. &/OR DISTS.	Solomon, R. & Co., 136 Botany St., Waterloo.	5882	Premise Match	31m	West
CONDIMENT MFRS. & DISTS.	Solomon. R. & Co., 136 Botany St., Waterloo.	16049	Premise Match	31m	West
FOOD PRODUCTS MFRS.&/OR DISTS.	Solomon. R. & Co., 136 Botany St., Waterloo.	29088	Premise Match	31m	West
FOOD. PROCESSORS &/OR PACKERS.	Solomon. R. &Co., 136 Botany St., Waterloo.	29022	Premise Match	31m	West
PRINTERS-LETTERPRESS.	Knudsen Printing Pty. Ltd., 126 Botany St., Waterloo.	59072	Premise Match	35m	North West
PRINTERS-LITHOGRAPHIC	Knudsen Printing Pty. Ltd., 126 Botany St., Waterloo.	59483	Premise Match	35m	North West
ELECTRICAL ACCESSORIES MFRS. &/OR W/SALERS.	Amphenol Tyree Pty. Ltd., 176 Botany St., Waterloo.	22296	Premise Match	35m	South West
ELECTRONIC COMPONENT PARTS MFRS. &/OR DISTS.	Amphenol Tyree Pty. Ltd., 176 Botany St., Waterloo.	23091	Premise Match	35m	South West
ELECTRONIC COMPONENTS MFRS. &/ORDISTS.	Amphenol Tyree Pty. Ltd., 176 Botany St., Waterloo.	23110	Premise Match	35m	South West
ELECTRONIC EQUIPMENT MFRS. &/OR DISTS.	Amphenol Tyree Pty. Ltd., 176 Botany St., Waterloo.	23125	Premise Match	35m	South West
TYPESETTERS-TRADE.	Dove Type Shop,The, 180 Botany St, Waterloo.	72679	Premise Match	35m	South West
ADHESIVES-TAPE MFRS. &/OR DISTS.	Daines, Harry Pty, Ltd., 128 Botany St., Waterloo.	1152	Premise Match	36m	North West
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DIST	Daines, Harry Pty. Ltd., 128 Botany St., Waterloo.	22256	Premise Match	36m	North West
TOOL IMPS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Botany St., Waterloo.	71190	Premise Match	36m	North West
ABRASIVE MERCHANTS &/OR DISTS.	Daines, Harry Pty. Ltd.. 128 Botany St., Waterloo.	64	Premise Match	36m	North West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.	Daines. Harry Pty. Ltd., 128 Botany St.; Waterloo.	74427	Premise Match	36m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
GRINDING MACHINES-PRECISION MFRS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Botany St., Waterloo.	33606	Premise Match	36m	North West
MANUFACTURERS AGENTS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo,	41138	Premise Match	36m	South
MARBLE &/OR GRANITE MERCHANTS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo.	41549	Premise Match	36m	South
IMPORTERS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St.. Waterloo.	36715	Premise Match	36m	South
HAT MFRS. SUPPLIES.	Hat Accessories, 54 McEvoy St., Waterloo.	35113	Premise Match	36m	South
HAT &/OR CAP MFRS. &/OR W/SALERS.	Hat Accessories. 54 McEvoy St., Waterloo.	35107	Premise Match	36m	South
HAT MFRS. SUPPLIES.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	35114	Premise Match	36m	South
HABERDASHERY-WHOLESALE.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	34460	Premise Match	36m	South
TAPE-TEXTILE MFRS. &/OR W/SALERS.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	69658	Premise Match	36m	South
RIBBON MFRS. &/OR DISTS.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	63507	Premise Match	36m	South
ROPE, CORDAGE &/OR TWINE MFRS. &/OR DISTS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	63993	Premise Match	36m	South
TAPE-TEXTILE MFRS. &/OR W/SALERS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	69660	Premise Match	36m	South
TAPE-TYING MFRS. &/OR W/SALERS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	69666	Premise Match	36m	South
PACKAGING &/OR PACKING SPECIALISTS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	55278	Premise Match	36m	South
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DIST	Bragg, Edgar & Sons Pty. Ltd., 130 Botany St., Waterloo.	22253	Premise Match	36m	West
BOOKBINDERS.	Bragg, Edgar & Sons Pty. Ltd., 130 Botany St.. Waterloo.	6674	Premise Match	36m	West
PRINTERS-LITHOGRAPHIC	Bragg. Edgar & Sons Pty. Ltd., 130 Botany St., Waterloo.	59355	Premise Match	36m	West
PRINTERS-LETTERPRESS.	Bragg. Edgar & Sons Pty. Ltd., 130 Botany St., Waterloo.	58927	Premise Match	36m	West
PAPER RULERS &/OR BINDERS.	Bragg. Edgar & Sons Pty. Ltd.. 130 Botany St.. Waterloo.	56064	Premise Match	36m	West
BOOKBINDERS.	Hayles-Bookbinding Service, 130 Botany St.. Waterloo.	6689	Premise Match	36m	West
HOTELS-LICENSED.	Somerset Hotel, 191 Pitt St., Redfern.	36384	Premise Match	37m	North
SURGICAL INSTRUMENTS MFRS. &/OR SPECIALISTS.	Pearce William And Co. Pty. Ltd. 152 Pitt St. Street, Redfern.	68807	Premise Match	40m	North
SURGICAL DRESSING MFRS. &/OR DISTS.	Pearce, William & Co Pty. Ltd, 152 Pitt St, Redfern.	68803	Premise Match	40m	North
SURGICAL INSTRUMENTS MFRS. &/OR SPECIALISTS.	Pearce, William & Co Pty. Ltd., 152 Pitt St, Redfern.	68821	Premise Match	40m	North
HOSPITAL SUPPLIES & EQUIPMENT MFRS. &/OR DISTS.	Pearce, William & Co. Pty. Ltd., 152 Pitt St, Redfern.	35808	Premise Match	40m	North
MEDICAL SUPPLIES.	Pearce, William & Co. Pty. Ltd., 152 Pitt St, Redfern.	44774	Premise Match	40m	North
CHEMISTS MFRG.&/OR W/SALERS.	Pearce, William & Co. Pty. Ltd., 152 Pitt St, Redfern.	12836	Premise Match	40m	North
ENGINEERS-STRUCTURAL.	Bremick Pty. Ltd., 173 Botany Rd., Waterloo.	26525	Premise Match	42m	South
IMPORTERS.	Bremick Pty. Ltd., 173 Botany Rd., Waterloo.	36754	Premise Match	42m	South
CARPET &/OR FLOOR COVERING PLANNERS &/OR LAYERS.	Camberg Carpets Pty. Ltd., 183 Botany Rd., Waterloo.	11481	Premise Match	42m	South
CARPET&/OR FLOOR COVERING RETAILERS &/OR SPECIALISTS.	Camberg Carpets Pty. Ltd., 183 Botany Rd., Waterloo.	11555	Premise Match	42m	South
SMALL GOODS MFRS.&/OR W/SALERS.	Pastoral Smallgoods Co. Pty. Ltd., 80 Botany St., Redfern.	66523	Premise Match	44m	North West
ELECTRIC MOTOR DEALERS &/OR W/SALERS. .	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	21938	Premise Match	45m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MACHINERY DEALERS-SECONDHAND	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	40760	Premise Match	45m	North West
SHEET METAL WORKERS MACHINERY MFRS.&/OR MERCHANTS.	Skinner. J. Pty. Ltd., 59 Botany Rd., Waterloo.	65904	Premise Match	45m	North West
WOODWORKING MACHINERY MFRS. &/OR IMPS. &/OR MERCHANTS.	Skinner. J. Pty. Ltd., 59 Botany Rd., Waterloo.	75200	Premise Match	45m	North West
CLOTHING - BABIES & CHILDRENS WEAR MFRS. &/OR W/SALERS.	Bimba Sales Pty. Ltd., 136 Raglan St., Waterloo.	14509	Premise Match	50m	North West
LEATHER.GOODS MFRS. &/OR W/SALERS.	Davis, P. G. & Sons, 67 Raglan St., Waterloo	40064	Premise Match	52m	North East
GIFTS-WHOLESALE.	Oavis, P. G. & Sons. 67 Raglan St., Waterloo.	33007	Premise Match	52m	North East
CHEMISTS-PHARMACEUTICAL.	Kirby. M. C., 43 Botany Rd., Waterloo.	13414	Premise Match	57m	North West
CONCRETE PRODUCTS MFRS. &/OR DISTS.	Pioneer Concrete(Alexandria), 338 George St., Waterloo.	15964	Premise Match	57m	South
HOTELS-LICENSED.	Abbotts Hotel, 47 Botany Rd., Waterloo.	35970	Premise Match	59m	North West
FRUITERERS &/OR GREENGROCERS.	Khoury, N. M., 37 Botany Rd., Waterloo.	30546	Premise Match	59m	North West
HOTELS-LICENSED.	Clifton Hotel, 1 Botany Rd., Waterloo.	36046	Premise Match	60m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Service Station, 69 Botany Rd., Waterloo.	51007	Premise Match	60m	West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Sylvia's Knitwear Pty. Ltd., 107 Botany St., Waterloo.	14877	Premise Match	61m	West
CLOTHING - SPORTSWEAR MFRS. &/OR W/SALERS.	Sylvia's Knitwear Pty. Ltd., 107 Botany St., Waterloo.	15449	Premise Match	61m	West
LOCKSMITHS &/OR KEY CUTTERS.	Longhurst & Andrew Pty. Ltd., 87 Botany Rd., Waterloo.	40557	Premise Match	62m	West
MOTOR EXHAUST SYSTEMS MFRS.	Multifit Stainless Steel Silencers (Aust.) Pty. Ltd., 91 Botany Rd., Waterloo.	49167	Premise Match	62m	West
MOTOR SILENCER MFRS.&/OR DISTS.	Multifit Stainless Steel Silencers IAust.1 Pty. Ltd., 91 Botany Rd., Waterloo.	52615	Premise Match	62m	West
TOY DEALERS-RETAIL.	Shuggs Bargain Centre, 41 Botany Rd., Alexandria.	71714	Premise Match	64m	North West
DISPOSAL STORES.	Shuggs Bargain Centre, 41 Botany Rd., Alexandria.	19254	Premise Match	64m	North West
SAFE &/OR STRONGROOM DOOR MFRS. &/OR DISTS.	O'Brien, W, F. Pty. Ltd., 169 Botany Rd., Waterloo.	64325	Premise Match	65m	South West
DOOR CLOSER MFRS. &/OR DISTS.	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo.	19343	Premise Match	65m	South West
MIRROR MFRS. &/OR DISTS.	O'Brien, W. F. Pty. Ltd., 169 Botany Rd., Waterloo.	46509	Premise Match	65m	South West
LOCKSMITHS &/OR KEY CUTTERS.	O'Brien, W. F. Pty. Ltd., 169 Botany Rd.. Waterloo.	40562	Premise Match	65m	South West
INSURANCE BROKERS.	President Insurance Brokers Pty. Ltd., 127 Botany Rd., Waterloo.	37994	Premise Match	65m	South West
FRUITERERS &/OR GREENGROCERS.	Ruggero. J., 701 Elizabeth St., Waterloo	30792	Premise Match	66m	East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Alexandria Auto Port. 159 Botany Rd.. Waterloo.	49222	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo.	50237	Premise Match	66m	South West
ENGINEERS-STRUCTURAL.	Winnick Machines (Rupes Aust.) Pty. Ltd., 133 Botany Rd., Waterloo.	26617	Premise Match	66m	South West
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DIST	Winnick Machines (Rupes Aust.)Pty. Ltd.. 133 Botany Rd., Waterloo.	22287	Premise Match	66m	South West
ABRASIVE MERCHANTS &/OR DISTS.	Winnick Machines Rupes Aust Pty. Ltd., 133 Botany Rd., Waterloo.	87	Premise Match	66m	South West
WOODWORKING MACHINERY MFRS. &/OR IMPS. &/OR MERCHANTS.	Winnick Machines Rupes Aust. Pty. Ltd., 133 Botany Rd., Waterloo.	75206	Premise Match	66m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Chris & Con, 85 Botany Rd., Waterloo.	49799	Premise Match	66m	West
BUTCHERS-RETAIL.	Keffalinos, R., 29A Botany Rd., Waterloo.	9410	Premise Match	67m	North West
HOTELS-LICENSED.	Cauliflower Hotel, 123 Botany Rd., Waterloo.	36035	Premise Match	67m	West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Koudrougeras, G., 27a Botany Rd., Alexandria.	14783	Premise Match	71m	North West
NEWSAGENTS-GENERAL.	Osborne Newsagency. 27 Botany Rd., Alexandria.	54052	Premise Match	71m	North West
DIRECTORY PUBLISHERS.	Bentleys Advertising Add Sales, 11 Botany Rd., Alexandria.	19031	Premise Match	73m	North West
BEARINGS &/OR BUSH MFRS. &/OR DISTS.	Associated Bearing Co. Pty. Ltd., 42 McEvoy St., Waterloo.	4628	Premise Match	75m	South
SCFREW MFRS. &/OR W/SALERS	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	65312	Premise Match	75m	South
RIVET MFRS.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo.	63537	Premise Match	75m	South
NAIL &/OR STAPLE MFRS.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo.	53701	Premise Match	75m	South
WASHER MFRS.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo.	73833	Premise Match	75m	South
HOTELS-LICENSED.	Iron Duke Hotel, 220 Botany Rd., Alexandria.	36220	Premise Match	99m	South
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Leon Fashions. 58 Botany St., Redfern.	14790	Premise Match	103m	North West
SPRAYERS-INDUSTRIAL.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern,	67168	Premise Match	103m	North West
MOTOR PANEL BEATERS	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	52427	Premise Match	103m	North West
MOTOR BODY BUILDERS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	47765	Premise Match	103m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	51017	Premise Match	103m	North West
MOTOR BODY REPAIRS &/OR CONVERTERS.	Town Auto Repairs Pty. Ltd., 60 Botany St.. Redfern.	47875	Premise Match	103m	North West
MOTOR PAINTERS.	Town Auto Repairs Pty. Ltd-60 Botany St., Redfern.	51732	Premise Match	103m	North West
STATIONERY-CONTINUOUS.	Computer Resources Ca, 204 Botany Rd., Alexandria.	67929	Premise Match	108m	South West
REAL ESTATE AGENTS &/OR VALUERS.	Silver & Co., 130 Botany Rd., Alexandria.	62239	Premise Match	111m	West
BUSINESS AGENTS &/OR BROKERS.	Silver & Co., 130 Botany Rd., Alexandria.	8771	Premise Match	111m	West
BATH &/OR SINK HEATER REPAIRERS.	Hot Spring Heaters Pty. Ltd., 56 Botany St., Redfern.	4426	Premise Match	112m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Harrys Car Repairs. 50 Botany Rd., Alexandria.	50233	Premise Match	113m	North West
CHEMISTS-PHARMACEUTICAL.	Murphy. L.P., 52 Botany Rd., Alexandria.	13589	Premise Match	113m	North West
HOTELS-LICENSED.	Cricketer's Arms Hotel, 56 Botany Rd., Alexandria.	36060	Premise Match	115m	North West
HAIRDRESSERS-GENTS.	Lee. N. M., 42 Botany Rd., Alexandria.	34618	Premise Match	115m	North West
HOTELS-LICENSED.	George Hotel. The, 760 Elizabeth St., Waterloo.	36131	Premise Match	118m	East
UPHOLSTERERS.	Lee, A. P. & Sons, 186 Botany Rd., Alexandria.	73112	Premise Match	118m	South West
FURNITURE REPAIRERS &/OR REMODELLERS.	Lee. A. P. & Sons, 186 Botany Rd., Alexandria.	32250	Premise Match	118m	South West
FURNITURE MFRS. &/OR W/SALERS. -OFFICE.	Lee. A. P. & Sons. 186 Botany Rd., Alexandria.	32039	Premise Match	118m	South West
MOTOR PAINTERS.	New York Car Repairs Pty. Ltd., 186 Botany Rd., Alexandria.	51579	Premise Match	118m	South West
MOTOR PANEL BEATERS	New York Car Repairs Pty. Ltd., 186 Botany Rd., Alexandria.	52236	Premise Match	118m	South West
OPTICAL SUPPLIES MFRS. &/OR W/SALERS.	Sun-Art Pty. Ltd.. 184 Botany St., Waterloo.	54937	Premise Match	118m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
BOOT &/OR SHOE REPAIRERS.	Fourtounis, O., 189 Regent St., Redfern.	7091	Premise Match	119m	North West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Fourtounis. D., 189 Regent St., Redfern.	14727	Premise Match	119m	North West
FOOTWEAR RETAILERS.	Ida Shoe Store. 38 Botany Rd., Alexandria.	29369	Premise Match	119m	North West
DUPLICATING &/OR TYPING SPECIALISTS.	E.L.S.A., 148 Botany Rd., Alexandria	21077	Premise Match	119m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Precision Motor Engineering Co., 144 Botany Rd., Alexandria.	50681	Premise Match	119m	South West
PRINTERS-LETTERPRESS.	Ray Printing Co. Pty. Ltd., 150 Botany Rd., Alexandria.	59186	Premise Match	119m	South West
PRINTERS-LITHOGRAPHIC	Ray Printing Co. Pty. Ltd., 150 Botany Rd., Alexandria.	59605	Premise Match	119m	South West
MOTOR PAINTERS.	Summer Motors, 144 Botany Rd- Alexandria.	51702	Premise Match	119m	South West
MOTOR BRAKE, SPARE PARTS MFRS. & /OR W/SALERS.	Summer Motors, 144 Botany Rd., Alexandria.	48016	Premise Match	119m	South West
MOTOR BODY REPAIRS &/OR CONVERTERS.	Summer Motors. 144 Botany Rd., Alexandria.	47868	Premise Match	119m	South West
MOTOR PANEL BEATERS	Summer Motors. 144 Botany Rd., Alexandria.	52392	Premise Match	119m	South West
SCRAP METAL MERCHANTS.	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria.	65152	Premise Match	119m	West
METAL MERCHANTS.	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria.	45433	Premise Match	119m	West
LEAD MERCHANTS &OR SUPPLIERS.	Alexandria Scrap Metal, 6 Henderson Rd., Alexandria.	40008	Premise Match	119m	West
MOTOR PAINTERS.	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria	51354	Premise Match	120m	West
MOTOR PANEL BEATERS	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	51931	Premise Match	120m	West
MOTOR RADIATOR MFRS.	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	52541	Premise Match	120m	West
MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS.	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	52561	Premise Match	120m	West
MOTOR BODY REPAIRS &/OR CONVERTERS.	Chapman. Walter Pty. Ltd., 86 Botany Rd., Alexandria.	47810	Premise Match	120m	West
MOTOR CAR RADIO SPECIALISTS.	Chapman. Walter Pty. Ltd., 86 Botany Rd., Alexandria.	48097	Premise Match	120m	West
WALLPAPER MERCHANTS.	Wallpaper Spot, 30 Botany Rd., Alexandria.	73785	Premise Match	121m	North West
SPORTING TROPHIES.	Mol-Mos Industries Pty. Ltd, 64 McEvoy St, Alexandria.	66759	Premise Match	121m	South
BUTTON &/OR BUCKLE MFRS. &/OR W/SALERS.	Mol-Mos Industries Pty. Ltd, 64 McEvoy St, Alexandria.	10246	Premise Match	121m	South
JEWELLERS-COSTUME MFRS. &/OR W/SALERS &/OR IMPS.	Mol-Mos Industries Pty. Ltd., 64 McEvoy St, Alexandria.	38569	Premise Match	121m	South
MOTOR TOWING SERVICES	A. & A. Towing Services Pty. Ltd., 142 Botany Rd., Alexandria.	53098	Premise Match	121m	South West
FURNITURE-BEDROOM-MFRS. . &/OR W/SALERS.	Lock Lee & Co., 138 Botany Rd., Alexandria	31212	Premise Match	121m	South West
FURNITURE MFRS. &/OR W/SALERS. -OFFICE.	Lock Lee & Co., 138 Botany Rd., Alexandria.	32040	Premise Match	121m	South West
EASTERN GOODS MERCHANTS.	Lock Lee & Co., 138 Botany Rd., Alexandria.	21476	Premise Match	121m	South West
FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Lock Lee & Co., 138 Botany Rd., Alexandria.	31634	Premise Match	121m	South West
FURNITURE-OCCASIONAL-MFRS. &/OR W/SALERS.	Lock Lee & Co., 138 Botany Rd., Alexandria.	32091	Premise Match	121m	South West
FURNITURE &/OR CABINET MAKERS HARDWARE MFRS.	Lock Lee &Co., 138 Botany Rd., Alexandria.	31232	Premise Match	121m	South West
BUILDING ALTERATIONS &/OR ' REPAIRS.	Veney Bros., 138 Botany Rd., Alexandria.	8421	Premise Match	121m	South West
PLUMBERS, GASFITTERS &/OR DRAINLAYERS.	Veney Bros., 138 Botany Rd., Alexandria.	58254	Premise Match	121m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicentre Redfern, 10 Botany Rd., Redfern.	50026	Premise Match	123m	North West
FOOTWEAR RETAILERS.	Glass (Personality) Shoes, 22 Botany Rd., Alexandria.	29348	Premise Match	123m	North West
HOTELS-LICENSED.	Star Hotel, 170 Botany Rd., Alexandria.	36390	Premise Match	123m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Nicolosi, W., 154 Botany Rd., Alexandria.	50591	Premise Match	124m	South West
DEPARTMENTAL STORES.	Brandons, 2 Botany Rd., Alexandria.	18633	Premise Match	125m	North West
TRAVEL GOODS-RETAILERS.	Brandons, 2 Botany Rd., Alexandria.	72555	Premise Match	125m	North West
MOTOR ELECTRICIANS	Waterloo Car Centre, 762 Elizabeth St., Waterloo.	49088	Premise Match	126m	East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Waterloo Car Centre. 762 Elizabeth St., Waterloo.	51059	Premise Match	126m	East
MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS.	Kensington Auto Radiators, 1 Buckland St., Alexandria.	52572	Premise Match	126m	West
FRUIT JUICE EXTRACT MFRS. &/OR MERCHANTS.	Orange Spot Pty. Ltd., 77 Botany St., Redfern.	30033	Premise Match	127m	North West
DRESS SHOPS & ACCESSORIES.	Get Smart Stores, 3 Henderson Rd., Alexandria.	20117	Premise Match	131m	North West
HOTELS-LICENSED.	Glenroy Hotel, 242 Botany Rd., Alexandria.	36138	Premise Match	132m	South
PRODUCE MERCHANTS-WHOLESALE.	Farrows Produce, 158 Regent St., Redfern	59947	Premise Match	133m	North West
SEED MERCHANTS.	Farrows Produce, 158 Regent St., Redfern.	65485	Premise Match	133m	North West
PRODUCE MERCHANTS-GRAIN &/OR SEED-RETAIL.	Farrows Products, 158 Regent St., Redfern.	59906	Premise Match	133m	North West
PNEUMATIC TOOLS MFRS. &/OR DISTS.	Airspeed Products, 183 Regent St., Redfern.	58487	Premise Match	134m	North West
ENGINEERS- GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Airspeed Products, 183 Regent St., Redfern.	24866	Premise Match	134m	North West
ENGINEERS-COMPRESSED AIR.	Airspeed Products, 183 Regent St., Redfern.	23931	Premise Match	134m	North West
MOTOR PAINTERS.	K. N.P. Smash Repairs, 154 Regent St, Redfern.	51484	Premise Match	138m	North West
MOTOR PANEL BEATERS	K.N.P. Smash Repairs, 154 Regent St, Redfern.	52123	Premise Match	138m	North West
PIE MAKERS.	Scotts Provisions (Bakery) Pty. Ltd., 172 George St., Redfern.	57137	Premise Match	139m	North
MEDICAL PRACTITIONERS.	Guyot, J. R.. 671 Elizabeth St., Waterloo	43013	Premise Match	141m	East
LIBRARIES-PUBLIC.	Waterloo Public Library, Town Hall. 770 Elizabeth St., Waterloo.	40292	Premise Match	144m	East
HOTEL &/OR MOTEL EQUIPMENT SUPPLIES.	Stanlee, 216 Wyndham St., Alexandria.	35955	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS.	Stanlee, 216 Wyndham St., Alexandria.	16567	Premise Match	145m	South West
TEXTILE WASTE-MERCHANTS.	Stanlee, 216 Wyndham St., Alexandria.	70461	Premise Match	145m	South West
CLEANING CLOTH MFRS.	Stanlee. 216 Wyndham St., Alexandria.	14381	Premise Match	145m	South West
TEXTILE WASTE-MERCHANTS.	Textile Raw Materials Pty. Ltd. 216 Wyndham St., Alexandria.	70449	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS.	Textile-Raw Materials, 216 Wyndham St, Alexandria	16568	Premise Match	145m	South West
EXPORTERS.	Textile-Raw Materials, 216 Wyndham St, Alexandria.	27001	Premise Match	145m	South West
TEXTILE WASTE-MERCHANTS.	Textile-Raw Materials, 216 Wyndham St, Alexandria.	70463	Premise Match	145m	South West
SECOND-HAND DEALERS.	Textile-Raw Materials, 216 Wyndham St, Alexandria.	65439	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS.	Textile-Raw Materials, 216 Wyndham St, Alexandria.	73922	Premise Match	145m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MACHINERY VALUATORS.	Binskin, A. W. & Co., 5 Henderson Rd., Alexandria.	40930	Premise Match	146m	North West
AUCTIONEERS-GENERAL.	Binskin, A. W. & Co., 5 Henderson Rd.. Alexandria.	3558	Premise Match	146m	North West
PRINTERS-LITHOGRAPHIC	Graham. G. W. & Co. Pty. Ltd., 5 Henderson Rd., Alexandria.	59448	Premise Match	146m	North West
PRINTERS-LITHOGRAPHIC	Lindwall & Ward Pty. Ltd., 5 Henderson Rd., Alexandria.	59509	Premise Match	146m	North West
PRINTERS-LETTERPRESS.	Lindwall & Ward Pty. Ltd., 5 Henderson Rd., Alexandria.	59095	Premise Match	146m	North West
SCHOOLS-KINDERGARTEN, DAY NURSERY.	Sydney Day Nursery, The, 143 Pitt St., Redfern.	65083	Premise Match	149m	North

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1978 Business Directory Records Road or Area Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
COURIER SERVICES.	All Purpose Messengers Pty. Ltd., McEvoy St, Waterloo.	16580	Road Match	0m
MESSENGER SERVICES.	All Purpose Messengers Pty. Ltd., McEvoy St, Waterloo.	45382	Road Match	0m
PARCEL DELIVERY SPECIALISTS.	All Purpose Messengers Pty. Ltd., McEvoy St, Waterloo.	56126	Road Match	0m
GLASS MERCHANTS.	Vetro Glass Co. Pty. Ltd., McEvoy St., Waterloo.	33139	Road Match	0m
GLAZIERS.	Vetro Glass Co. Pty. Ltd., McEvoy St., Waterloo.	33243	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Redfern Service Centre, George St., Redfern.	50727	Road Match	22m
DATA PROCESSING EQUIPMENT	Standard Telephones & Cables Pty. Ltd. Service Botany Road, Alexandria	17142	Road Match	59m
GROCERS-RETAIL:	Woolworths, Botany Rd., Waterloo.	34302	Road Match	59m
ENGINEERS-STRUCTURAL.	Bearing Service Pty. Ltd., McEvoy St., Alexandria,	26516	Road Match	93m
BALL &/OR ROLLER BEARINGS MFRS. &/OR IMPS. &/OR DISTS.	Bearing Service Pty. Ltd., McEvoy St., Alexandria.	4346	Road Match	93m
BUTTON &/OR BUCKLE MFRS. &/OR W/SALERS.	Tomlin, J. W. Pty. Ltd, McEvoy St, Alexandria.	10253	Road Match	93m
SHEET METAL WORKERS.	Tomlin, J. W. Pty. Ltd, McEvoy St, Alexandria.	65863	Road Match	93m
HARDWARE MFRS.	Tomlin, J. W. Pty. Ltd., McEvoy St, Alexandria	35036	Road Match	93m
GALVANISING &/OR TINNING.	Tomlin, J. W. Pty. Ltd., McEvoy St, Alexandria.	32335	Road Match	93m
WHEEL BARROW MFRS.	Tomlin, J. W. Pty. Ltd., McEvoy St, Alexandria.	74499	Road Match	93m
PRINTERS MACHINERY MFRS. &/ORDISTS.	Web Dynamics Pty, Ltd., 76 Buckland St, Alexandria.	59791	Road Match	108m
LABELLING MACHINES &/OR EQUIPMENT - IMPS. &/OR DISTS.	Web Dynamics Pty. Ltd, 78 Buckland St, Alexandria.	39467	Road Match	108m
MACHINERY MFRS	Web Dynamics Pty. Ltd, 78 Buckland St, Alexandria.	40834	Road Match	108m
PAPER CONVERTING MACHINE MFRS.	Web Dynamics Pty. Ltd. 78 Buckland Street, Alexandria. NSW.	55962	Road Match	108m
LAMINATING MACHINERY MFRS. &/OR DISTS.	Web Dynamics Pty. Ltd., 78 Buckland St, Alexandria.	39586	Road Match	108m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
CARDBOARD BOX &/OR CARTON MFRS.	Hansen Julius. V. Pty. Ltd., Boundary St., Redfem.	11321	Road Match	113m
COTTON WASTE MFRS. &/OR MERCHANTS.	Hansen, Julius, V. Pty. Ltd., Boundary St., Redfern.	16563	Road Match	113m
TEXTILE WASTE-MERCHANTS.	Hansen, Julius, V. Pty. Ltd., Boundary St., Redfern.	70459	Road Match	113m
WASTE PRODUCT MERCHANTS.	Hansen. Julius, V. Pty. Ltd., Boundary St., Redfern.	73919	Road Match	113m
CLEANING CLOTH MFRS.	Hansen. Julius. V. Pty. Ltd., Boundary St., Redfern.	14375	Road Match	113m
CLOTHING - SPORTSWEAR MFRS. &/OR W/SALERS.	Poly-Ginn. Renwick St., Redfern.	15422	Road Match	117m

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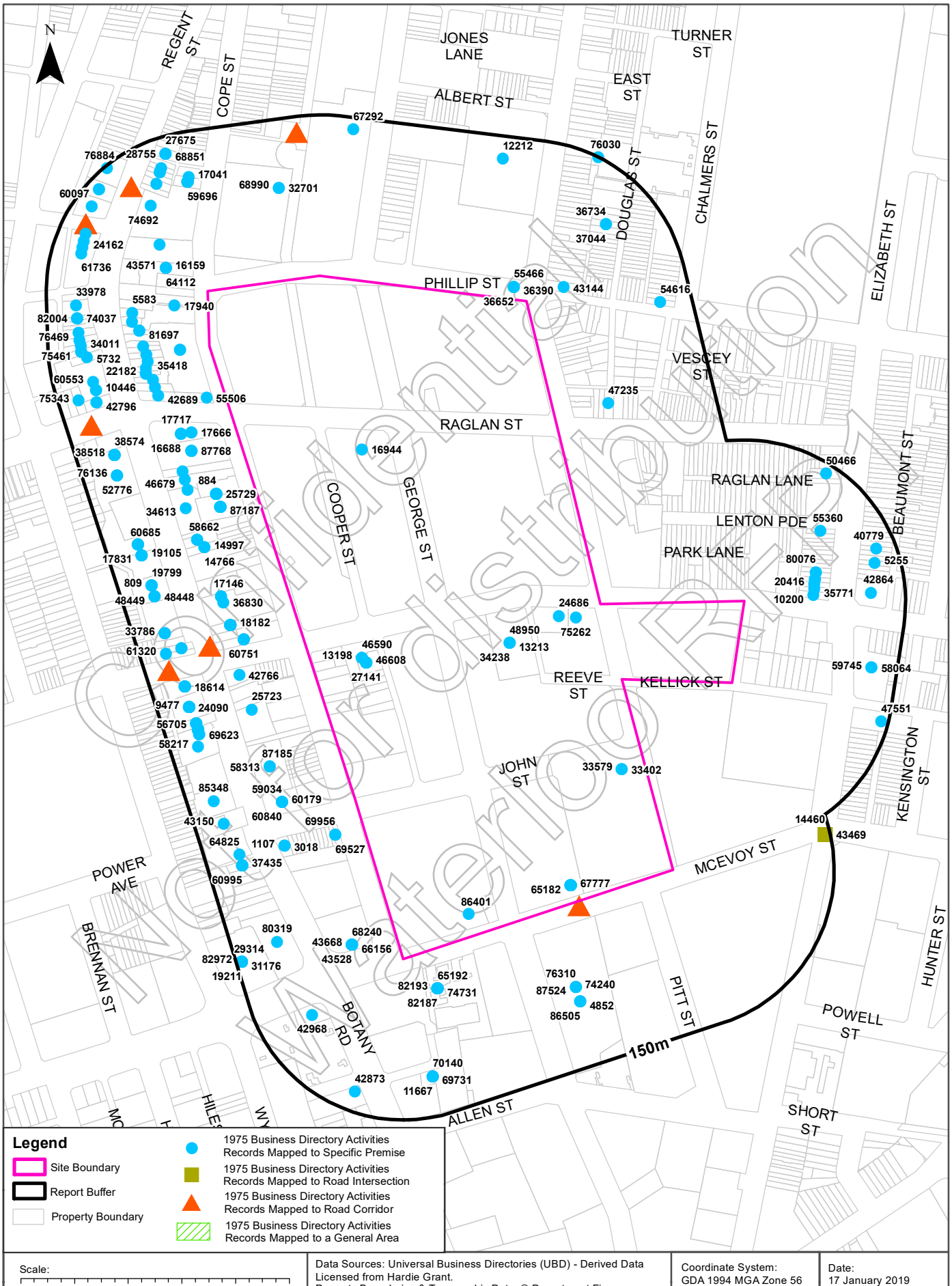
1975 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1975 Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CARDBOARD BOX &/OR CARTON MFRS.	Argent Manufacturing Co. Pty. Ltd, 110 Wellington St, Waterloo.	13213	Premise Match	0m	Onsite
EMBOSSING SPECIALISTS.	Argent Manufacturing Co. Pty. Ltd, 116 Wellington St, Waterloo.	27141	Premise Match	0m	Onsite
PRINTERS-LETTERPRESS.	Argent Manufacturing Co. Pty. Ltd, 116 Wellington St, Waterloo.	69302	Premise Match	0m	Onsite
LABELS-ADHESIVE	Argent Manufacturing Co. Pty. Ltd. 116-120 Wellington St. Cnr. Botany St. Waterloo	46590	Premise Match	0m	Onsite
CARDBOARD BOX &/OR CARTON MFRS.	Argent Manufacturing Co. Pty. Ltd. 116-120 Wellington St., Cnr. of Botany St., Waterloo,	13198	Premise Match	0m	Onsite
LABELS-ADHESIVE	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St, Waterloo	46596	Premise Match	0m	Onsite
SANDWICH &/OR LUNCHEON SHOPS.	Bill s Sandwich Bar, 100 Wellington St., Waterloo.	75262	Premise Match	0m	Onsite
FOOD PROCESSORS &/OR PACKERS.	Cottees General Foods Ltd., 248 Pitt St., Waterloo.	33579	Premise Match	0m	Onsite
FOOD-FROZEN-MFRS &/OR IMPS &/OR DISTS.	Cottees General Foods Ltd., 248 Pitt St., Waterloo.	33402	Premise Match	0m	Onsite
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Diamond George Mfrg. Pty. Ltd., 106 Raglan St., Waterloo.	16944	Premise Match	0m	Onsite
WALLPAPER MERCHANTS.	Garrett Max Consolidated, 63 McEvoy St, Waterloo.	86401	Premise Match	0m	Onsite
FOOTWEAR W/SALERS &/OR DISTS.	Ritchie, W. M. (Aust.) Pty. Ltd., 110 Wellington St., Waterloo.	34238	Premise Match	0m	Onsite
MANUFACTURERS AGENTS.	Ritchie. W. M. (Aust.) Pty. Ltd., 110 Wellington St., Waterloo	48950	Premise Match	0m	Onsite
PACKING & PACKAGING MATERIALS.	Salon 47 McEvoy St. Waterloo	65252	Premise Match	0m	Onsite
WEAVERS.,PLASTIC.	Sarlon 47 McEvoy St.,Waterloo.	86723	Premise Match	0m	Onsite
PACKING & PACKAGING MATERIALS MFRS. &/OR SUPPLIERS.	Sarlon Australia, 47 McEvoy St, Waterloo.	65270	Premise Match	0m	Onsite
WEAVERS.	Sarlon Australia, 47 McEvoy St, Waterloo.	86720	Premise Match	0m	Onsite
FLY SCREEN DOOR &/OR WINDOW MFRS. &/OR DISTS.	Sarlon Australia, 47 McEvoy St, Waterloo.	33325	Premise Match	0m	Onsite
BAG &/OR SACK MERCHANTS.	Sarlon Australia, 47 McEvoy St, Waterloo.	4039	Premise Match	0m	Onsite
PACKAGING &/OR PACKING SPECIALISTS	Sarlon Australia, 47 McEvoy St. Waterloo	65182	Premise Match	0m	Onsite
FIBREGLASS PRODUCTS MFRS. - MOULDING, FABRICATING EXTRUSIONS.	Sarlon Australia, 47 McEvoy St., Waterloo.	31596	Premise Match	0m	Onsite
FIBRE GLASS MATERIALS - MATS, ROVINGS, CLOTHS MFRS. &/OR IMPS.	Sarlon Australia. 47 McEvoy St., Waterloo.	31549	Premise Match	0m	Onsite
LABELS-ADHESIVE	Stickfast La bale Pty. Ltd., 116 Wellington St. Waterloo	46608	Premise Match	0m	Onsite
LABELS-ADHESIVE	Stickfast Labels Pty. Ltd. 116-120 Wellington St. Waterloo	46593	Premise Match	0m	Onsite
PLASTIC EXTRUDERS.	Synthetic Yarns Pty. Ltd- 47 McEvoy St., Waterloo.	67777	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
YARN MFRS.	Synthetic Yarns Pty. Ltd. 47 McEvoy St. Waterloo.	88066	Premise Match	0m	Onsite
DYERS &/OR BLEACHERS-TRADE	Trade & Carpet Dyeing Co. Pty. Ltd., 102 Wellington St., Waterloo.	24686	Premise Match	0m	Onsite
FURNITURE-CONTEMPORARY MFRS. &/W/SALERS.	Arredorama international Pty. Ltd., 154 Pitt St-, Redfern.	36390	Premise Match	11m	North
FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Arredorama International Pty. Ltd., 154 Pitt St., Redfern.	36652	Premise Match	11m	North
MIXED BUSINESSES.	Pitt-Phillip Street Store. 154 Pitt St., Waterloo.	55466	Premise Match	11m	North
MIXED BUSINESSES.	Saglan-Botany Street Store, 125 Raglan St., Waterloo.	55506	Premise Match	17m	North West
EARTH MOVING CONTRACTORS.	Richards, R. Pty. Ltd., 100 Botany St., Waterloo.	24768	Premise Match	27m	North West
CARRIERS &/OR CARTAGE CONTRACTORS	Richards. R. Pty. Ltd., 100 Botany St., Waterloo	13766	Premise Match	27m	North West
PRINTERS-LETTERPRESS.	M. H. Printing Pty. Ltd., 25 John St., Waterloo.	69527	Premise Match	27m	South West
PRINTERS-LITHOGRAPHIC (OFFSET).	M. H. Printing Pty. Ltd., 25 John St., Waterloo.	69956	Premise Match	27m	South West
CLOTHING-UNDERWEAR MFRS &/OR W/SALERS	Joy Textiles Pty. Ltd., 86 Botany St., Redfern.	17940	Premise Match	31m	North West
GRINDING MACHINES-PRECISION MFRS. &/OR DISTS.	Daines, Hairy Pty. Ltd, 128 Botany St, Waterloo.	39082	Premise Match	36m	North West
ADHESIVES-TAPE MFRS. &/OR DISTS.	Daines, Harry Pty. Ltd,. 128 Botany St., Waterloo.	884	Premise Match	36m	North West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Botany St. Waterloo.	87197	Premise Match	36m	North West
ABRASIVE MERCHANTS &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Botany St., Waterloo	63	Premise Match	36m	North West
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DIST	Daines, Harry Pty. Ltd., 128 Botany St., Waterloo	25729	Premise Match	36m	North West
ABRASIVE MERCHANTS &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Botany St., Waterloo.	64	Premise Match	36m	North West
TOOL IMPS. &/OR DISTS.	Daines, Harry Pty. Ltd., 128 Botany St., Waterloo.	83777	Premise Match	36m	North West
ELECTRICAL TAPES.	Daines. Harry Pty. Ltd., 128 Botany St., Waterloo.	26708	Premise Match	36m	North West
MANUFACTURERS AGENTS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo	48581	Premise Match	36m	South
MARBLE &/OR GRANITE MERCHANTS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo.	49098	Premise Match	36m	South
IMPORTERS.	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo.	43477	Premise Match	36m	South
HAT MFRS. SUPPLIES.	Hat Accessories, 54 McEvoy St, Waterloo.	41519	Premise Match	36m	South
RIBBON MFRS. &/OR DISTS.	Hat Bands Pty, Ltd., 54 McEvoy St., Waterloo.	74210	Premise Match	36m	South
HAT MFRS. SUPPLIES.	Hat Bands Pty. Ltd., 54 McEvoy St. Waterloo	41520	Premise Match	36m	South
HABERDASHERY-W/SALE	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	40255	Premise Match	36m	South
TAPE., TEXTILE MFRS. &/OR W/SALERS.	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo.	82187	Premise Match	36m	South
TAPE., TEXTILE MFRS. &/OR W/SALERS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	82188	Premise Match	36m	South
TAPE., TYING MFRS. &/OR W/SALERS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	82193	Premise Match	36m	South
ROPE, CORDAGE &/OR TWINE MFRS. &/OR DISTS.	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	74731	Premise Match	36m	South
PACKAGING &/OR PACKING SPECIALISTS	Tapex Pty. Ltd., 54 McEvoy St., Waterloo.	65192	Premise Match	36m	South
BOOKBINDERS.	Bragg, Edgar & Sons Pty. Ltd., 130 Botany St., Waterioo.	7143	Premise Match	36m	West
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DIST	Bragg, Edgar & Sons Pty. Ltd., 130 Botany St., Waterloo	25726	Premise Match	36m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
IMPORTERS.	Bragg, Edger& Sons Pty. Ltd., 130 Botany St., Waterloo.	43526	Premise Match	36m	West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.	Bragg. Edgar & Sons Pty. Ltd. 130 Botany St., Waterloo.	87187	Premise Match	36m	West
PAPER RULERS &/OR BINDERS.	Bragg. Edgar & Sons Pty. Ltd., 130 Botany St., Waterloo.	66049	Premise Match	36m	West
PRINTERS-LETTERPRESS.	Bragg. Edgar & Sons Pty. Ltd., 130 Botany St., Waterloo.	69342	Premise Match	36m	West
BOOKBINDERS.	Hayles Bookbinding Service, 130 Botany St., Waterloo.	7157	Premise Match	36m	West
HOTELS-LICENCED	Somerset Hotel, 191 Pitt St., Redfern.	43144	Premise Match	37m	North
CLOTHING-SHIRT & PYJAMA MFRS.&/OR W/SALERS	Luigi & Anthony Pty. Ltd. Cnr. 134 Raglan & Botany Rd., Waterloo.	17666	Premise Match	40m	North West
CLOTHING MFRS.&/OR W/SALERS-SPORTSWEAR	Luigi and Anthony Pty. Ltd. 1st Floor Cnr. 134 Raglan St.,	17717	Premise Match	40m	North West
IMPORTERS.	Bremick Pty. Ltd., 173 Botany Rd., Waterloo.	43528	Premise Match	42m	South
ENGINEER'S SUPPLIES	Bremick Pty. Ltd., 173 Botany Rd„ Waterloo	30623	Premise Match	42m	South
PLASTIC GOODS IMP &/OR DISTS.	Garratt Max Consolidated, 83 McEvoy St, Waterloo.	67845	Premise Match	42m	South
PLASTIC MFRS. MATERIAL SUPPLIES.	Garrett Max Consolidated, 83 McEvoy St, Waterloo.	68018	Premise Match	42m	South
PLASTIC MFRS.-SHEETING.	Garrett Max Consolidated, 83 McEvoy St, Waterloo.	68240	Premise Match	42m	South
IMPORTERS.	Garrett Max Consolidated, 83 McEvoy St, Waterloo.	43668	Premise Match	42m	South
PARTITIONS-OFFICE &/OR FACTORY MFRS.	Industrial Laminators Pty. Ltd., 83 McEvoy St., Waterloo.	66156	Premise Match	42m	South
NOVELTY GOODS MFRS. &/OR IMPS. &/OR W/SALERS.	Cleary, B. T 80a Botany St., Redfern	64112	Premise Match	44m	North West
IMPORTERS.	Cleary, B. T. 80a Botany St. Redfern	43571	Premise Match	44m	North West
CHINA CROCKERY, CRYSTAL, CUTLERY, EARTHENWARE, GLASSWARE DEALERS.	Cleary, B. T., 80a Botany St., Redfern.	16159	Premise Match	44m	North West
ELECTRIC MOTOR DEALERS &/OR W/SALERS.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	25379	Premise Match	45m	North West
MACHINERY DEALERS-SECONDHAND.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	48105	Premise Match	45m	North West
SHEET METAL WORKERS MACHINERY MFRS. &/OR MERCHANTS.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	77006	Premise Match	45m	North West
WOODWORKING MACHINERY MFRS. &/OR IMPS. &/OR MERCHANTS.	Skinner, J. Pty. Ltd., 59 Botany Rd., Waterloo.	87768	Premise Match	45m	North West
CLOTHING - BABIES & CHILDREN S WEAR MFRS. &/OR W/SALERS.	Bimba Sales Pty. Ltd. 136 Raglan St., Waterloo.	16688	Premise Match	50m	North West
CLOTHING-SPORTSWEAR LADIES MFRS.&/OR W/SALERS	Luigi & Anthony, Taormina Sportswear Pty. Ltd., 136 Raglan St, Waterloo.	17820	Premise Match	50m	North West
CLOTHING - GENERAL MFRS. &/OR W/SALERS.	Maxi Fashions, 136 Raglan St., Waterloo.	17238	Premise Match	50m	North West
LEATHER GOODS MFRS. &/OR W/SALERS.	Davis, P. G. & Sons, 67 Raglan St., Waterloo.	47235	Premise Match	52m	North East
MOTOR PANEL BEATERS.	Dyna Motors Pty. Ltd., 129 Wellington St., Waterloo.	60751	Premise Match	53m	West
MOTOR GARAGES &/OR ENGINEERS.	Dyna Motors Pty. Ltd., 129 Wellington St., Waterloo.	58779	Premise Match	53m	West
MOTOR PAINTERS.	Dyna Motors Pty. Ltd., 129 Wellington St., Waterloo.	60094	Premise Match	53m	West
HOTELS-LICENCED	Abbott'sHotel, 47 Botany Rd., Waterloo.	42689	Premise Match	59m	North West
CAFES, TEA ROOMS &/OR COFFEE LOUNGES.	Canton Cafe, 35 Botany Rd., Waterloo	11868	Premise Match	59m	North West
MOTOR PAINTERS.	Continental Body Repairs Pty. Ltd., 65 Botany Rd., Waterloo.	60057	Premise Match	59m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
FRUITERERS &/OR GREENGROCERS.	Khoury, N. M., 37 Botany Rd. Waterloo.	35418	Premise Match	59m	North West
LAMINATED MATERIALS &/OR PRODUCTS MFRS.	Industrial Laminators Pty. Ltd., 67 Botany Rd., Waterloo	46679	Premise Match	60m	North West
CHEMISTS-PHARMACEUTICAL	Kirby, M. C., 43 Botany Rd., Waterloo.	15493	Premise Match	60m	North West
BUTCHERS-RETAIL	Micky's Butchery. 45 Botany Rd., Waterloo	10828	Premise Match	60m	North West
MOTOR GARAGES &/OR ENGINEERS.	Total Service Station, 69 Botany Rd., Waterloo.	59688	Premise Match	60m	West
FURNITURE-HOUSEHOLD RETAIL	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo.	36830	Premise Match	61m	West
FOOD PRODUCTS MFRS. &/OR DISTS.	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	33635	Premise Match	61m	West
CANNERS &/OR CANNED FOOD SPECIALISTS.	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	12945	Premise Match	61m	West
COCONUT OIL &/OR MEAL MFRS.	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	18182	Premise Match	61m	West
OIL EDIBLE MFRS. &/OR MERCHANTS	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	64640	Premise Match	61m	West
MARGARINE MFRS. &/OR DISTS.	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	49116	Premise Match	61m	West
MEAT CANNERS.	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	49465	Premise Match	61m	West
MEAT MEAL MFRS.	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	49524	Premise Match	61m	West
TALLOW MERCHANTS &/OR REFINERS.	Barnes, James Pty. Ltd., 117 Botany St., Waterloo.	82070	Premise Match	61m	West
OIL- LINSEED MFRS.	Barns, James Pty. Ltd. 117 Botany St. Waterloo	64710	Premise Match	61m	West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Sylvia's Knitwear Pty. Ltd., 107 Botany St., Waterloo.	17146	Premise Match	61m	West
CLOTHING-SPORTSWEAR LADIES MFRS.&/OR W/SALERS	Sylvia's Knitwear Pty. Ltd., 107 Botany St., Waterloo.	17875	Premise Match	61m	West
HOTELS-LICENCED	Clifton Hotel, 1 Botany Rd., Waterloo.	42777	Premise Match	62m	North West
MILK, FRUIT JUICE BARS &/OR CONFECTIONERS.	Milk Bar, 33 Botany Rd, Waterloo.	53620	Premise Match	62m	North West
FISHMERCHANTS-RETAIL	Stans Fish Shop, 39 Botany Rd., Waterloo.	32618	Premise Match	62m	North West
CHEMISTS MFRG. &/OR W/SALERS.	Bioglan Laboratories (Aust) Pty. Ltd., 89 Botany Rd., Waterloo	14766	Premise Match	62m	West
CHEMISTS-PHARMACEUTICAL	Bioglan Laboratories (Aust) Pty. Ltd., 89 Botany Rd., Waterloo.	14997	Premise Match	62m	West
BUTCHERS-RETAIL	Clancy, J., 703 Elizabeth St., Waterloo.	10200	Premise Match	64m	East
BUTCHERS-RETAIL	Olympia Meat Butchery, 29A Botany Rd., Waterloo	10922	Premise Match	64m	North West
TAILORS., LADIES &/OR GENTS.	Pavlou, G. 29 Botany Rd., Waterloo.	81697	Premise Match	64m	North West
TOY DEALERS., RETAIL	Shugg’s Bargain Centre, 41 Botany Rd., Alexandria.	84394	Premise Match	64m	North West
DISPOSAL STORES.	Shugg's Bargain Centre, 41 Botany Rd., Alexandria.	22182	Premise Match	64m	North West
FRUITERERS &/OR GREENGROCERS.	Ruggero, J., 701 Elizabeth St., Waterloo.	35771	Premise Match	66m	East
MOTOR GARAGES &/OR ENGINEERS.	Alexandria Auto Port,‘143 Botany Rd., Waterloo.	58313	Premise Match	66m	South West
ELECTRIC TOOLS-PORTABLE-MFRS. &/OR DIST	Black & Decker (A/asia) Pty. Ltd, 133 Botany Rd, Waterloo.	25723	Premise Match	66m	South West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DISTS.	Bohler Steels Pty. Ltd, 149 Botany St, Waterloo.	87185	Premise Match	66m	South West
MOTOR PAINTERS.	Hawxwell & Jones Pty. Ltd 165 Botany Rd., Waterloo.	60179	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS.	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo.	59034	Premise Match	66m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR PANEL BEATERS.	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo.	60840	Premise Match	66m	South West
FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Kafka, P, E. Exclusive Furniture Pty. Ltd. 161 Botany Rd, Waterloo.	36735	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS.	Chris & Son. 87 Botany Rd., Waterloo.	58662	Premise Match	66m	West
LOCKSMITHS &/OR KEY CUTTERS.	Longhurst & Andrew Pty. Ltd., 87 Botany Rd., Waterloo.	47890	Premise Match	66m	West
DELICATESSENS	Paul, M., 699 Elizabeth St., Waterloo.	20416	Premise Match	67m	East
HOTELS-LICENCED	Cauliflower Hotel, 123 Botany Rd., Waterloo.	42766	Premise Match	67m	West
FRUIT JUICE EXTRACT MFRS. &/OR MERCHANTS.	Orange Spot Pty. Ltd., 77 Botany St., Redfern.	34613	Premise Match	67m	West
FISHMERCHANTS-RETAIL	South Sydney Seafood, 697 Elizabeth St., Waterloo.	32608	Premise Match	69m	East
TAKE., AWAY FOODS.	South Sydney Seafood. 697 Elizabeth St., Waterloo.	82033	Premise Match	69m	East
BEAUTY SALONS &/OR LADIES HAIRDRESSERS.	Ludwig's Coiffure, 25A Botany Rd., Alexandria.	5583	Premise Match	71m	North West
CLOTHING - KNITTED GOODS MFRS. &/OR W/SALER&	Perotex Pty. Ltd., 27a Botany Rd., Redfern.	17373	Premise Match	71m	North West
NEWSAGENTS-GENERAL	Mazoudlers, 695 Elizabeth St., Waterloo.	63697	Premise Match	72m	East
STATIONERS., RETAIL	Mazoudlers, 695 Elizabeth St., Waterloo.	80076	Premise Match	72m	East
SCREW MFRS. &/OR W/SALERS	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	76310	Premise Match	75m	South
RIGGERS.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo.	74240	Premise Match	75m	South
WIRE MFRS.	Western Barbed Wire & Nail Div., 40 McEvoy St., Waterloo.	87524	Premise Match	75m	South
ADVERTISING CONTRACTORS - DIRECT MAIL	Madden House, 167 Botany Rd., Waterloo.	1107	Premise Match	76m	South West
ARTISTS - COMMERCIAL & INDUSTRIAL	Madden House. 167 Botany Rd., Waterloo.	3018	Premise Match	76m	South West
POULTRY DEALERS-WHOLESALE.	Sanford, G. K, Pty. Ltd., 146 Renwick St., Redfern.	68990	Premise Match	86m	North West
FISHMERCHANTS-W/SALE	Sanford. G. K. Pty. Ltd., 146 Renwick St., Redfern,	32701	Premise Match	86m	North West
BEARINGS &/OR BUSH MFRS. &/OR DISTS.	Associated Bearing Co. Pty. Ltd., 42 McEvoy St., Waterloo.	4852	Premise Match	90m	South
NAIL &/OR STAPLE MFRS.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo.	63285	Premise Match	90m	South
WASHER MFRS.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St:, Waterloo.	86505	Premise Match	90m	South
ROOM HEATERS., ELECTRIC., MFRS. &/OR DISTS.	Nettlefold Sales, T.S., 199 Regent St., Redfern.	74692	Premise Match	95m	North West
MIXED BUSINESSES.	NicoGous. N. & M., 675 Elizabeth St., Waterloo.	55360	Premise Match	96m	East
HOTELS-LICENCED	Iron Duke Hotel, 220 Botany Rd., Alexandria.	42968	Premise Match	100m	South
FURNITURE-KITCHEN UNITS &/OR CABINET MFRS. &/OR W/SALERS	Julia, 44 Douglas St., Redfern.	37044	Premise Match	103m	North
FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Julia, 44 Douglas St., Redfern.	36734	Premise Match	103m	North
SMALL GOODS MFRS. &/OR W/SALERS.	Pastoral Smallgoods Co. Pty. Ltd., 60 Botany St., Redfern.	77866	Premise Match	103m	North West
SPRAYERS., INDUSTRIAL	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	79391	Premise Match	103m	North West
MOTOR GARAGES &/OR ENGINEERS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	59696	Premise Match	103m	North West
MOTOR PAINTERS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	60484	Premise Match	103m	North West
MOTOR PANEL BEATERS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	61180	Premise Match	103m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR BODY BUILDERS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	56586	Premise Match	103m	North West
MOTOR BODY REPAIRS &/OR CONVERTERS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	56711	Premise Match	103m	North West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Leon Fashions, 58 Botany St., Redfern.	17041	Premise Match	107m	North West
STATIONERY., CONTINUOUS.	Datacard Australia Pty. Ltd, 204 Botany Rd, Alexandria.	80319	Premise Match	108m	South West
JEWELLERS &/OR WATCHMAKERS-RETAIL	Broadbent, G., 193 Regent St., Redfern.	45849	Premise Match	111m	North West
BUSINESS AGENTS &/OR BROKERS.	Silver & Co., 130 Botany Rd., Alexandria.	9895	Premise Match	111m	West
REAL ESTATE AGENTS &/OR VALUERS.	Silver & Co., 130 Botany Rd., Alexandria.	72961	Premise Match	111m	West
MOTOR PANEL BEATERS.	Alexandria Car Replacement Parts, 50 Botany Rd., Redfern.	60553	Premise Match	113m	North West
BUTCHERS-RETAIL	Grannall. T. E., 54 Botany Rd., Alexandria.	10446	Premise Match	113m	North West
CHEMISTS-PHARMACEUTICAL	Korr's Pharmacy, 52 Botany Rd., Alexandria.	15498	Premise Match	113m	North West
RADIO, RADIOGRAM &/OR TELEVISION CABINET MFRS.	Invincible Cabinet Works Pty. Ltd., 4 James St., Waterloo	71444	Premise Match	113m	South
CABINETMAKERS.	Invincible Cabinet Works Pty. Ltd., 4 James St., Waterloo.	11667	Premise Match	113m	South
PRINTERS-LITHOGRAPHIC (OFFSET).	Windsor, A. & Son Pty. Ltd., 4 James St., Waterloo	70140	Premise Match	113m	South
PRINTERS-LETTERPRESS.	Windsor, A. & Son Pty. Ltd., 4 James St., Waterloo.	69731	Premise Match	113m	South
BEAUTY SALONS &/OR LADIES HAIRDRESSERS.	Noriee Salon, 42 Botany Rd., Alexandria.	5732	Premise Match	114m	North West
BUILDERS SUPPLIERS.	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria	9402	Premise Match	115m	North West
GLASS BEVELLERS &/OR CUTTERS.	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria.	38407	Premise Match	115m	North West
GLASS BRICK MFRS. &/OR DISTS.	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria.	38409	Premise Match	115m	North West
GLASS MERCHANTS.	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria.	38518	Premise Match	115m	North West
GLASSWARE, CRYSTALWARE, IMPS &/OR MFRS. &/OR W/SALERS.	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria.	38574	Premise Match	115m	North West
GLAZIERS.	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria.	38638	Premise Match	115m	North West
SHOP & OR/OFFICE FITTERS	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria.	77473	Premise Match	115m	North West
MIRROR MFRS. &/OR DISTS.	Vetro Class Co. Pty. Ltd., 62 Botany Rd., Alexandria.	54332	Premise Match	115m	North West
HOTELS-LICENCED	Cricketer's Arms Hotel, 56 Botany Rd., Alexandria.	42796	Premise Match	116m	North West
BATH &/OR SINK HEATER REPAIRERS.	Hot Spring Heaters Pty. Ltd., 56 Botany St., Redfern.	4619	Premise Match	116m	North West
HOTELS-LICENCED	George Hotel, The, 760 Elizabeth St., Waterloo.	42864	Premise Match	118m	East
UPHOLSTERERS.	Lee, A. P & Sons 186 Botany Rd, Alexandria	85778	Premise Match	118m	South West
FURNITURE MFRS. &/OR W/SALERS. - OFFICE	Lee, A. P & Sons, 186 Botany Rd., Alexandria.	37185	Premise Match	118m	South West
FURNITURE REPAIRERS &/OR REMODELLERS.	Lee, A. P. & Sons, 186 Botany Rd., Alexandria.	37435	Premise Match	118m	South West
MOTOR PAINTERS.	New York Car Repairs Pty. Ltd., 186 Botany Rd., Alexandria.	60316	Premise Match	118m	South West
MOTOR PANEL BEATERS.	New York Car Repairs Pty. Ltd., 186 Botany Rd., Alexandria.	60995	Premise Match	118m	South West
OPTICAL SUPPLIES MFRS. &/OR W/SALERS.	Sun-Art Pty. Ltd., 184 Botany St., Waterloo.	64825	Premise Match	118m	South West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Fourtounis, D., 189 Regent St., Redfern.	16981	Premise Match	119m	North West
FOOTWEAR RETAILERS.	Ida Shoe Store, 38 Botany Rd., Alexandria.	34011	Premise Match	119m	North West

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BOOT &/OR SHOE REPAIRERS.	Regent St. Shoe Repairs, 189 Regent St., Redfern.	7811	Premise Match	119m	North West
TAKE., AWAY FOODS.	Sandwich Bar, The, 40 Botany Rd., Alexandria.	82027	Premise Match	119m	North West
SANDWICH &/OR LUNCHEON SHOPS.	Sandwich Bar, The, 40 Botany Rd., Alexandria.	75461	Premise Match	119m	North West
GUILLOTINE BLADE/SHEAR MFRS. &/ORDISTS.	Bohler Steels Pty. Ltd., 146 Botany St, Waterloo.	40070	Premise Match	119m	South West
MACHINE KNIFE MFRS.	Bohler Steele Pty. Ltd, 146 Botany St, Waterloo.	47975	Premise Match	119m	South West
STEEL IMPORTERS.	Bohler Steele Pty. Ltd., 146 Botany St, Waterloo.	80691	Premise Match	119m	South West
STEEL MERCHANTS	Bohler Steele Pty. Ltd., 146 Botany St, Waterloo.	80763	Premise Match	119m	South West
FILE & TWIST DRILL MFRS. &/OR WPS. &/OR DISTS.	Bohler Steels Pty Ltd., 148 Botany St, Waterloo.	31638	Premise Match	119m	South West
FORGING MFRS.	Bohler Steels Pty. Ltd, 146 Botany St, Waterloo.	34247	Premise Match	119m	South West
STEEL MERCHANTS., ALLOY &/OR TOOL STEEL	Bohler Steels Pty. Ltd., 146 Botany St, Waterloo.	80719	Premise Match	119m	South West
STEEL MERCHANTS., ALLOY &/OR TOOL STEEL	Bohler Steels Pty. Ltd.146 Botany St., Waterloo	80711	Premise Match	119m	South West
DUPLICATING &/OR TYPING SPECIALISTS.	E.L.S.A., 148 Botany Rd., Alexandria.	24532	Premise Match	119m	South West
SANDWICH &/OR LUNCHEON SHOPS.	Freshly Cut Sandwiches, 146 Botany Rd., Alexandria.	75330	Premise Match	119m	South West
MOTOR GARAGES &/OR ENGINEERS.	Precision Motor Engineering Co., 144 Botany Rd., Alexandria.	59410	Premise Match	119m	South West
PRINTERS-LITHOGRAPHIC (OFFSET).	Ray Printing Co. Pty. Ltd., 150 Botany Rd., Alexandria.	70049	Premise Match	119m	South West
PRINTERS-LETTERPRESS.	Ray Printing Co. Pty. Ltd., 150 Botany Rd., Alexandria.	69623	Premise Match	119m	South West
MOTOR PAINTERS.	Summer Motors, 144 Botany Rd., Alexandria.	60454	Premise Match	119m	South West
MOTOR PANEL BEATERS.	Summer Motors, 144 Botany Rd., Alexandria.	61148	Premise Match	119m	South West
MOTOR BODY REPAIRS &/OR CONVERTERS.	Summer Motors. 144 Botany Rd., Alexandria.	56705	Premise Match	119m	South West
MOTOR BRAKE, SPARE PARTS MFRS. &/OR W/SALERS.	Summer Motors. 144 Botany Rd., Alexandria.	56861	Premise Match	119m	South West
METAL MERCHANTS.	Landow Bros., 6 Henderson Rd., Alexandria.	52776	Premise Match	119m	West
LEAD MERCHANTS &/OR SUPPLIERS.	Landow Bros., 6 Henderson Rd., Alexandria.	47165	Premise Match	119m	West
SCRAP METAL MERCHANTS.	Landow Bros., 6 Henderson Rd., Alexandria.	76136	Premise Match	119m	West
FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Lock Lee Furniture Co., 134 Botany Rd, Alexandria.	36746	Premise Match	119m	West
GROCERS-WHOLESALE	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo.	40064	Premise Match	119m	West
FOOD PRODUCTS MFRS. &/OR DISTS.	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo.	33677	Premise Match	119m	West
CONDIMENT MFRS. & DISTS.	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo.	18614	Premise Match	119m	West
BISCUIT MFRS. &/OR DISTS.	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo.	6292	Premise Match	119m	West
MACARONI MFRS. &/OR DISTS.	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo.	47967	Premise Match	119m	West
FOOD PROCESSORS &/OR PACKERS.	Solomon. R. & Co. Pty. Ltd., 136 Botany St., Waterloo.	33617	Premise Match	119m	West
DATA PROCESSING EQUIPMENT MFRS. &/OR DISTS. . &/OR HIRERS.	Spicers Business Machines ,102-108 Botany Rd., Alexandria.	19799	Premise Match	119m	West
DUPLICATING MACHINE MFRS. &/OR IMPS. &/OR DISTS.	Spicers Business Machines, 102 Botany Rd, Alexandria,	24480	Premise Match	119m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
DATA PROCESSING EQUIPMENT MFRS. &/OR DISTS. . &/OR HIRERS.	Spicers Business Machines, 102 Botany Rd, Alexandria.	19837	Premise Match	119m	West
ADDRESSING MACHINES MFRS. &/OR DISTS.	Spicers Business Machines, 102 Botany Rd., Alexandria.	809	Premise Match	119m	West
MERCERS-MENS &/OR BOYS OUTFITTERS.	Hustler Outfitter, 36 Botany Rd., Alexandria.	52192	Premise Match	120m	North West
MOTOR CAR RADIO SPECIALISTS.	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	56947	Premise Match	120m	West
MOTOR RADIATOR MFR	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	61295	Premise Match	120m	West
MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria.	61311	Premise Match	120m	West
MOTOR PANEL BEATERS.	Chapman. Walter Pty. Ltd-, 86 Botany Rd., Alexandria.	60685	Premise Match	120m	West
MOTOR BODY REPAIRS &/OR CONVERTERS.	Chapman. Walter Pty. Ltd., 86 Botany Rd., Alexandria.	56629	Premise Match	120m	West
MANCHESTER MFRS. &/OR W/SALERS. .	Donhill Textiles Pty. Ltd., 108 Botany Pd., Alexandria	48448	Premise Match	120m	West
WAREHOUSEMEN.	Dorma Donhill Pty. Ltd., 108 Botany Rd. Alexandria.	86467	Premise Match	120m	West
MANCHESTER MFRS. &/OR W/SALERS. .	Dorma Donhill Pty. Ltd., 108 Botany Rd., Alexandria.	48449	Premise Match	120m	West
CHEMISTS MFRG. &/OR W/SALERS.	Modern Trend Pty. Ltd., 90 Botany Rd., Alexandria.	14842	Premise Match	120m	West
CLOTHING - FROCKS & SUITS MFRS. &/OR W/SALERS.	Modern Trend Pty. Ltd., 90 Botany Rd., Alexandria.	17067	Premise Match	120m	West
CLOTHING-SPORTSWEAR LADIES MFRS.&/OR W/SALERS	Modern Trend Pty. Ltd., 90 Botany Rd., Alexandria.	17831	Premise Match	120m	West
COSMETIC MFRS. &/OR W/SALERS.	Modern Trend Pty. Ltd.,90 Botany Rd., Alexandria.	19105	Premise Match	120m	West
MIXED BUSINESSES.	Chalmers-Phillip St. Mixed, 291 Chalmers St., Redfern.	54616	Premise Match	121m	North East
SECOND., HAND DEALERS.	St. Vincent De Paul Society, 34 Botany Rd., Alexandria.	76469	Premise Match	121m	North West
MOTOR TOWING SERVICES.	A.& A. Towing Services Pty. Ltd., 142 Botany Rd., Alexandria.	62635	Premise Match	121m	South West
DRY CLEANERS, PRESSERS&/OR DYERS.	Johnson's Dry Cleaners, 138 Botany Rd., Alexandria.	24090	Premise Match	121m	South West
EASTERN GOODS MERCHANTS.	Lock & Co., 138 Botany Rd., Alexandria.	25021	Premise Match	121m	South West
FURNITURE-GENERAL-MFRS. &/OR W/SALERS.	Lock Lee & Co., 138 Botany Rd, Alexandria.	36747	Premise Match	121m	South West
FURNITURE-OCCASIONAL-MFRS &/OR W/SALERS.	Lock Lee & Co., 138 Botany Rd., Alexandria	37254	Premise Match	121m	South West
FURNITURE-BEDROOM-MFRS. &/OR W/SALERS.	Lock Lee & Co., 138 Botany Rd., Alexandria.	36313	Premise Match	121m	South West
FURNITURE MFRS. &/OR W/SALERS. - OFFICE	Lock Lee & Co., 138 Botany Rd., Alexandria.	37186	Premise Match	121m	South West
FURNITURE &/OR CABINET MAKERS HARDWARE MFRS	Lock Lee & Co., 138 Botany Rd., Alexandria.	36337	Premise Match	121m	South West
BUILDING ALTERATIONS &/OR REPAIRS.	Veney Bros., 138 Botany Rd., Alexandria	9477	Premise Match	121m	South West
PLUMBERS, GASFITTERS &/OR DRAINLAYERS.	Veney Bros., 138 Botany Rd., Alexandria.	68606	Premise Match	121m	South West
PRINTERS-LETTERPRESS.	Knudsen Printing Pty. Ltd., 126 Botany St., Waterloo.	69492	Premise Match	121m	West
PRINTERS-LITHOGRAPHIC (OFFSET).	Knudsen Printing Pty. Ltd., 126 Botany St., Waterloo.	69925	Premise Match	121m	West
FOOTWEAR MFRS.-BOOTS &/OR SHOES.	Verka Shoe Co., 126 Botany St., Waterloo.	33786	Premise Match	121m	West
RESTAURANTS.	Peter’s Restaurant, 28 Botany Rd., Alexandria.	74037	Premise Match	122m	North West
TAKE., AWAY FOODS.	Peter's Restaurant, 28 Botany Rd., Alexandria.	82004	Premise Match	122m	North West
MILK, FRUIT JUICE BARS &/OR CONFECTIONERS.	Peter's Restaurant, 28 Botany Rd., Alexandria.	53738	Premise Match	122m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicentre Redfern, 10 Botany Rd., Redfern.	61736	Premise Match	123m	North West
FOOTWEAR RETAILERS.	Glass (Personality) Shoes, 22 Botany Rd., Alexandria.	33978	Premise Match	123m	North West
GIFT SHOPS.	Nicholas & Co., 187 Regent St., Redfern.	38245	Premise Match	123m	North West
NEWSAGENTS-GENERAL	Osborne Newsagency, 8 Botany Rd., Alexandria.	63754	Premise Match	123m	North West
HOTELS-LICENCED	Star Hotel, 170 Botany Rd., Alexandria,	43150	Premise Match	123m	South West
DRY CLEANERS, PRESSERS&/OR DYERS.	Lawrence, 6 Botany Rd., Alexandria.	24162	Premise Match	124m	North West
MOTOR ENGINEERS.	Nicolosi, W., 154 Botany Rd., Alexandria.	58217	Premise Match	124m	South West
TRAVEL GOODS., RETAILERS.	Brandon's, 2 Botany Rd., Alexandria	85199	Premise Match	125m	North West
BEAUTY SALONS &/OR LADIES HAIRDRESSERS.	Fl-Fi Hairdressing Salon, 746 Elizabeth St., Waterloo.	5255	Premise Match	126m	East
MOTOR GARAGES &/OR ENGINEERS.	Waterloo Car Centre, 762 Elizabeth St. Waterloo.	59745	Premise Match	126m	East
MOTOR ELECTRICIANS.	Waterloo Car Centre, 762 Elizabeth St., Waterloo.	58064	Premise Match	126m	East
TWO., WAY RADIO INSTALLATION & SERVICE	Dovers Pty. Ltd., 160 Botany St, Waterloo.	85348	Premise Match	126m	South West
MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS	Kensington Auto Radiators. 1 Buckland St., Alexandria.	61320	Premise Match	126m	West
CAFES, TEA ROOMS &/OR COFFEE LOUNGES.	Rachel Foster Hospital & Cafeteria, 150 Pitt St., Redfern.	12212	Premise Match	128m	North
SANDWICH &/OR LUNCHEON SHOPS.	Hamburger Lunch, 3 Henderson Rd., Alexandria.	75343	Premise Match	131m	North West
HAIRDRESSERS-GENTS.	Notaras, E., 740 Elizabeth St., Waterloo	40779	Premise Match	132m	East
HOTELS-LICENCED	Glenroy Hotel, 242 Botany Rd., Alexandria.	42873	Premise Match	132m	South
PRODUCE MERCHANTS., GRAIN &/OR SEED., RETAIL	farrows Products, 158 Regent St., Redfern.	70368	Premise Match	133m	North West
ENGINEERS-COMPRESSED AIR	Airspeed Products, 183 Regent St. Redfern	27675	Premise Match	134m	North West
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Airspeed Products, 183 Regent St., Redfern.	28755	Premise Match	134m	North West
PNEUMATIC TOOLS MFRS. &/OR DISTS,.	Airspeed Products, 183 Regent St., Redfern.	68851	Premise Match	134m	North West
MOTOR PANEL BEATERS.	Eagle Body Works, 154 Regent St., Redfern.	60754	Premise Match	138m	North West
MOTOR PAINTERS.	Eagle Body Works. 154 Regent St., Redfern.	60097	Premise Match	138m	North West
PIE MAKERS.	Scotts Provisions (Bakery) Pty. Ltd, 172 George St., Redfern.	67292	Premise Match	139m	North
MEDICAL PRACTITIONERS.	Guyot, J. R., 671 Elizabeth St., Waterloo.	50466	Premise Match	141m	East
LIBRARIES-PUBLIC.	Waterloo Public Library, Town Hall, 770 Elizabeth St., Waterloo.	47551	Premise Match	144m	East
IMPORTERS.	Armen, G. (Overseas Trading) Pty. Ltd., 28 McEvoy St., Waterloo.	43469	Road Intersection	145m	South East
CHEMICAL MFRS. &/OR DISTS. &/OR IMPS	C. & K. Industrial Traders Pty. Ltd., 28 McEvoy St., Waterloo.	14460	Road Intersection	145m	South East
BOTTLE FILLING MACHINERY MFRS. &/OR DEALERS.	Ace Mfrg. Co, Pty. Ltd., 216 Wyndham St., Alexandria.	7920	Premise Match	145m	South West
CHEMICAL MACHINERY MFRS. &/OR IMPS. &/OR DISTS.	Ace Mfrg. Co. Pty. Ltd., 216 Wyndham St,, Alexandria.	14372	Premise Match	145m	South West
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Premier Machine Tool & Die Pty, Ltd, 216 Wyndham St.,Alexandria	29314	Premise Match	145m	South West
BOTTLE FILLING MACHINERY MFRS. &/OR DEALERS.	Premier Machine Tool & Die Pty. Ltd., 216 Wyndham St., Alexandria.	7925	Premise Match	145m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MACHINERY MFRS.	Premier Machine Tool & Die Pty. Ltd., 216 Wyndham St., Alexandria.	48166	Premise Match	145m	South West
TEXTILE WASTE., MERCHANTS	Stanlee, 216 Wyndham St., Alexandria.	82970	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS.	Stanlee, 216 Wyndham St., Alexandria.	19211	Premise Match	145m	South West
HOTEL &/OR MOTEL EQUIPMENT SUPPLIES.	Stanlee, 216 Wyndham St., Alexandria.	42674	Premise Match	145m	South West
CLEANING CLOTH MFRS.	Stanley, 216 Wyndham St., Alexandria	16536	Premise Match	145m	South West
TEXTILE WASTE., MERCHANTS	Textile Raw Materials Pty. Ltd. 216 Wyndham St., Alexandria.	82954	Premise Match	145m	South West
TEXTILE WASTE., MERCHANTS	Textile., Raw Materials Pty. Ltd, 218 Wyndham SI, Alexandria.	82972	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS.	Textile., Raw Materials Pty. Ltd., 216 Wyndham St, Alexandria.	86548	Premise Match	145m	South West
SECOND., HAND DEALERS.	Textile., Raw Materials Pty. Ltd., 216 Wyndham St, Alexandria.	76487	Premise Match	145m	South West
COTTON WASTE MFRS. &/OR MERCHANTS.	Textile-Raw Materials Pty. Ltd, 216 Wyndham St, Alexandria.	19212	Premise Match	145m	South West
EXPORTERS.	Textile-Raw Materials Pty. Ltd, 216 Wyndham St, Alexandria.	31176	Premise Match	145m	South West
SHEET METAL WORKERS.	Mackie. Ern Pty. Ltd., 150 Regent St., Redfern.	76884	Premise Match	148m	North West
SCHOOLS., KINDERGARTEN, DAY NURSERY.	Sydney Day Nursery, The, 143 Pitt St., Redfern.	76030	Premise Match	149m	North

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1975 Business Directory Records Road or Area Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
BALL &/OR ROLLER BEARINGS MFRS./IMPS. &/OR DISTS.	Bearing Service Pty. Ltd., McEvoy St., Alexandria.	4225	Road Match	0m
ENGINEER'S SUPPLIES	Bearing Service Pty. Ltd., McEvoy St., Alexandria.	30613	Road Match	0m
HARDWARE MFRS.	Tomlin, J. W. Pty. Ltd, McEvoy St, Alexandria.	41427	Road Match	0m
WHEELBARROW MFRS.	Tomlin, J. W. Pty. Ltd, McEvoy St, Alexandria.	87268	Road Match	0m
SHEET METAL WORKERS.	Tomlin, J. W. Pty. Ltd, McEvoy St. Alexandria.	76952	Road Match	0m
GALVANISING &/OR TINNING.	Tomlin, J. W. Pty. Ltd., McEvoy St, Alexandria.	37552	Road Match	0m
BUTTON &/OR BUCKLE MFRS. &/OR W/SALERS.	Tomlin. J. W. Pty. Ltd, McEvoy St, Alexandria.	11607	Road Match	0m
GLASS MERCHANTS.	Vetro Glass Co. Pty. Ltd., McEvoy St . Waterloo.	38519	Road Match	0m
GLAZIERS.	Vetro Glass Co. Pty. Ltd., McEvoy St., Waterloo.	38639	Road Match	0m
CARPET &/OR FLOOR COVERING PLANNERS &/OR LAYERS.	Camberg Carpets, Botany Rd., Waterloo	13397	Road Match	59m
CARPET &/OR FLOOR COVERING RETAILERS &/OR SPECIALISTS.	Camberg Carpets, Botany Rd., Waterloo.	13477	Road Match	59m
MOTOR PAINTERS.	Chapman, Walter Pty. Ltd., Botany Rd., Alexandria.	60039	Road Match	59m
CLOTHING MFRS.&/OR W/SALERS-SPORTSWEAR	Luigi and Anthony Pty. Ltd. Botany Rd., Waterloo.	17718	Road Match	59m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
GROCERS-RETAIL	Woolworths, Botany Rd., Waterloo.	40010	Road Match	59m
ELECTRICAL CONTRACTORS-LICENSED.	Radio Services Pty. Ltd, 6 Regent St, Redfern.	25915	Road Match	92m
PNEUMATIC TOOLS MFRS. &/OR DISTS,.	Allbrand Power Tool Services Pty. Ltd., go Henderson Rd., Alexandria.	68852	Road Match	103m
ASSAYERS &/OR ANALYSTS.	Griffith-Aims Pty. Ltd., Henderson Pd., Alexandria.	3139	Road Match	103m
PRINTERS MACHINERY MFRS. &/OR DISTS.	Web Dynamics Pty. Ltd, 72 Buckland St, Alexandria.	70245	Road Match	108m
MACHINERY MFRS.	Web Dynamics Pty. Ltd., 72 Buckland St, Alexandria.	48184	Road Match	108m
CLEANING CLOTH MFRS.	Hansen, Julius, V. Pty. Ltd., Boundary St., Redfern.	16529	Road Match	113m
COTTON WASTE MFRS. &/OR MERCHANTS.	Hansen, Julius, V. Pty. Ltd., Boundary St., Redfern.	19206	Road Match	113m
WASTE PRODUCT MERCHANTS.	Hansen, Julius, V. Pty. Ltd., Boundary St., Redfern.	86545	Road Match	113m
CARDBOARD BOX &/OR CARTON MFRS.	Hansen, Julius. V. Pty. Ltd., Boundary St., Redfern	13234	Road Match	113m
TEXTILE WASTE., MERCHANTS	Hansen, Julius. V. Pty. Ltd., Boundary St., Redfern.	82965	Road Match	113m
SEED MERCHANTS.	Maloney, M. Produce Pty. Ltd., Boundary St., Redfern	76544	Road Match	113m
PRODUCE MERCHANTS., W/SALE.	Maloney, M. Produce Pty. Ltd., Boundary St., Redfern.	70442	Road Match	113m
CLOTHING-SPORTSWEAR LADIES MFRS.&/OR W/SALERS	Poly-Ginn, Renwick St., Redfern.	17845	Road Match	117m
FOOTWEAR MFRS.-BOOTS &/OR SHOES.	Selby Shoes (Aust.) Ltd., 49 Renwick St., Redfern.	33781	Road Match	117m

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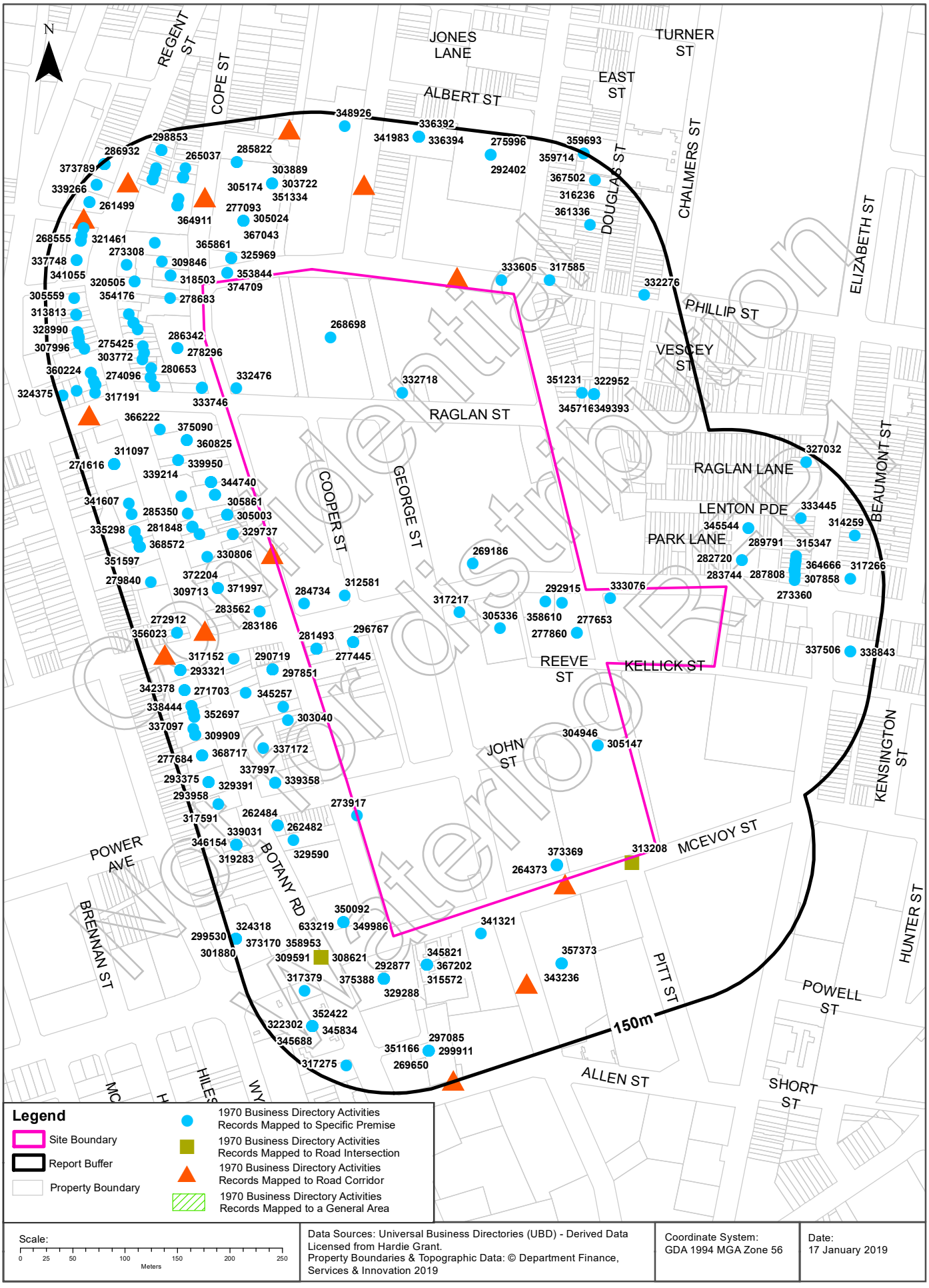
Waterloo RF

1970 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1970 Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
EMBOSSED SEALS & LABELS	ARGENT MANUFACTURING CO PTY LTD, 116 Wellington St., WATERLOO-P.O.BOX 10-WATERLOO, 2017	296764	Premise Match	0m	Onsite
PRINTERS-LETTERPRESS (P806)	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	351894	Premise Match	0m	Onsite
EMBOSSING SPECIALISTS (E412)	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo.	296767	Premise Match	0m	Onsite
CARDBOARD BOX & CARTON MANUFACTURERS (C111)	Argent Manufacturing CoPty. Ltd., 116 Wellington St., Waterloo	277445	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS (B580)	Aristotais, P. Antoniois, 212 George St., Waterloo	268698	Premise Match	0m	Onsite
SANDWICH/LUNCHEON SHOPS (S065)	Bill's Sandwich Bar, 100 Wellington St., Waterloo	358610	Premise Match	0m	Onsite
FOOD PROCESSORS/PACKERS (F430)	Cahills Quick Freezers Ltd., 248 Pitt St., Waterloo	304946	Premise Match	0m	Onsite
FOODS-FROZEN-SPECIALISTS (F439)	Cahills Quick Freezers Ltd., 248 Pitt St., Waterloo	305147	Premise Match	0m	Onsite
CARPET & FLOOR COVERING PLANNERS & LAYERS (C132)	Carpet Cleaners Pty. Ltd., 230-234 Pitt St., Waterloo	277653	Premise Match	0m	Onsite
CARPET CLEANERS & SHAMPOOERS (C120)	Carpet Cleaners Pty. Ltd., 230-234 Pitt St., Waterloo	277860	Premise Match	0m	Onsite
MIXED BUSINESSES (M408)	Dermir,H., 123 Raglan St., Waterloo	332476	Premise Match	0m	Onsite
HOTELS-LICENSED (H690)	Duke of Wellington Hotel, 291 George St., Waterloo	317217	Premise Match	0m	Onsite
MIXED BUSINESSES (M408)	Glassby,E., 105 Raglan St., Waterloo	332718	Premise Match	0m	Onsite
GROCERS-RETAIL (G655)	Hudson M., 117 Wellington St., Waterloo	312581	Premise Match	0m	Onsite
BUTCHERS-RETAIL (B860)	Lambert, J., 27 John St., Waterloo	273917	Premise Match	0m	Onsite
MIXED BUSINESSES (M408)	Laris,D., 249 Pitt St., Waterloo	333076	Premise Match	0m	Onsite
MANCHESTER MANUFACTURERS/WHOLESALERS (M080)	McDonald Montgomery & Co., 120 Wellington St., Waterloo, 2017	324524	Premise Match	0m	Onsite
HOSPITAL EQUIPMENT IMPORTS.&/OR DISTRIBUTORS (H590)	McDonald Montgomery & Co., 120 Wellington St., Waterloo, 2017	316751	Premise Match	0m	Onsite
HOSPITAL EQUIPMENT MFRS. &/OR SUPPLIERS (H600)	McDonald Montgomery & Co., 120 Wellington St., Waterloo, 2017	316810	Premise Match	0m	Onsite
CAFE EQUIPMENT & SUPPLIES (C027)	McDonald Montgomery & Co., 120 Wellington St., Waterloo, 2017	275264	Premise Match	0m	Onsite
CHINA, CROCKERY, CRYSTAL,CUTLERY, EARTHENWARE, GLASSWARE & SILVERWARE DEALERS (C307	McDonald Montgomery & Co., 120 Wellington St., Waterloo, 2017	281493	Premise Match	0m	Onsite
CUTLERY IMPS.&/OR W'SALERS (C789)	McDonald Montgomery & Co., 120 Wellington St., Waterloo, 2017	286715	Premise Match	0m	Onsite
CHINA, & CROCKERY MFRS., IMPS.&/OR WHOLESALERS (C304)	McDonald Montgomery & Co., 120 Wellington.St., Waterloo, 2017	281364	Premise Match	0m	Onsite
HOTEL/MOTEL EQUIPMENT/SUPPLIES(H680)	McDonald, Montgomery & Co., 120 Wellington St., Waterloo, 2017	317023	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
LINEN MFRS.,IMPORTERS &/OR WHOLESALERS (L520)	McDonald, Montgomery & Co., 120 Wellington St., Waterloo, 2017	323438	Premise Match	0m	Onsite
FOOTWEAR MFRS.-BOOTS/SHOES (F460)	Packard Shoes Pty. Ltd., 110 Wellington St., Waterloo	305336	Premise Match	0m	Onsite
BAG & SACK MANUFACTURERS (B040)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Alexandria.	264373	Premise Match	0m	Onsite
PACKING MATERIALS (P010)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Alexandria.	345916	Premise Match	0m	Onsite
PACKAGING/PACKING SPEC. (P 004)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Waterloo	345806	Premise Match	0m	Onsite
PLASTIC GOODS MFRS. (P564)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Waterloo	349735	Premise Match	0m	Onsite
WEAVERS (W125)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Waterloo	373369	Premise Match	0m	Onsite
FIBREGLASS MATERIALS-MATS,WOOLS, CHOPPED STRAND MATS,ROVINGS, CLOTHS, ETC.-MFRS.&/OR IMPORTERS (F116)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Waterloo	302413	Premise Match	0m	Onsite
FIBREGLASS PRODUCTS MFRS. (MOULDING,FABRICATING,EXTRUSIONS,CONVERTING,Etc.) (F117)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Waterloo	302480	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS (B580)	Shoemaker de Paris, 107 Wellington St, Waterloo	269186	Premise Match	0m	Onsite
LABELS-ADHESIVE (L015)	Stickfast Labels Pty. Ltd., 116 Wellington St., Waterloo, 2017. 8	322281	Premise Match	0m	Onsite
YARN MANUFACTURERS (Y020)	Synthetic Yarns Pty. Ltd., 47 McEvoy St., Waterloo	375636	Premise Match	0m	Onsite
PLASTIC EXTRUDERS (P554)	Synthetic Yarns Pty. Ltd., 47 McEvoy St., Waterloo	349509	Premise Match	0m	Onsite
DYERS/BLEACHERS-TRADE (D830)	Trade & Carpet Dyeing Co. Pty. Ltd., 102-104 WellingtonSt., Waterloo,	292915	Premise Match	0m	Onsite
MOTEL EQUIPMENT &/OR SUPPLIES(M441)	United Linen & Crocery Pty. Ltd., 120 Wellington St., Waterloo.	334376	Premise Match	0m	Onsite
CLUBS & SPORTING BODIES (C487)	Waterloo-Alexandria Businessmen's Club Ltd(The), Cnr 217 Botany & Wellington Sts., Waterloo	284734	Premise Match	0m	Onsite
GROCERS-WHOLESALE (G660)	Group Buyers & Distributors Pty. Ltd.,Cnr. McEvoy & Pitt St.	313208	Road Intersection	5m	South East
WINE/SPIRIT MERCHANTS-WHOLESALE (W265)	Paris & Co. Pty. Ltd., 125 Botany St., Redfern	374709	Premise Match	7m	North West
PUMP MANUFACTURERS &/OR DISTRIBUTORS (P906)	Vibroflex Pty. Ltd., 125 Botany St., Redfern	353844	Premise Match	7m	North West
MIXED BUSINESSES (M408)	Pitt-Phillip Street Store, 154 Pitt St., Waterloo	333605	Premise Match	11m	North
MIXED BUSINESSES (M408)	Raglan-Botany Street Store, 125 Raglan St., Waterloo	333657	Premise Match	16m	North West
MIXED BUSINESSES (M408)	Ryan,E. C., 112 Botany St., Waterloo	333746	Premise Match	17m	North West
MEAT CANNERS (M180)	Barnes,J. Pty. Ltd., 117-123 Botany St., Waterloo	325906	Premise Match	21m	North West
MEAT EXTRACT MFRS. (M192)	Barnes,J. Pty. Ltd., 117-123 Botany St., Waterloo	325969	Premise Match	21m	North West
OILS-LINSEED-MFRS. (O 190)	Barnes,J. Pty. Ltd., 117-123 Botany St., Waterloo	345146	Premise Match	21m	North West
STOCK FOODS MANUFACTURERS&/OR DISTRIBUTORS (S757)	Barnes,James Pty. Ltd., 117-123 Botany St., Waterloo	365861	Premise Match	21m	North West
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	McEvoy Street Auto Port,cnr. McEvoy & George Sts.	341321	Premise Match	24m	South
CRANES.-MOBILE-PROPRIETORS &/OR HIRERS (C737)	Richards, R Pty. Ltd., 100 Botany St., Alexandria	286342	Premise Match	27m	North West
CARRIERS & CARTAGE CONTRACTORS (C150)	Richards, R Pty. Ltd., 100 Botany St., Waterloo	278296	Premise Match	27m	North West
EARTH-MOVING CONTRACTORS (E010)	Richards,R.Pty. Ltd., 100 Botany St., Waterloo	293188	Premise Match	27m	North West
CLOTHING MFRS. &/OR W'SALERS-KNITTED GOODS (C443)	Vie Knit Pty. Ltd., 49 Wellington St., Waterloo	282720	Premise Match	29m	East

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CLOTHING MFRS. &/OR W'SALERS-SPORTSWEAR (C473)	Vie-Knit Pty. Ltd., 49 Wellington St., Waterloo	283744	Premise Match	29m	East
CLOTHING MFRS. &/OR W'SALERS-SPORTSWEAR (C473)	Arkabe Pty. Ltd., 168-170 Botany St, Waterloo	283562	Premise Match	29m	West
CLOTHING MFRS. &/OR W'SALERS-LADIES' SKIRTS (C453)	Arkabe Pty. Ltd., 168-170 Botany St., Waterloo	283186	Premise Match	29m	West
CASTOR DISTRIBUTORS	BRENTWARE PTY LTD, 86 BOTANY ST., WATERLOO, 2017	278683	Premise Match	31m	North West
MANCHESTER MANUFACTURERS/WHOLESALERS (M080)	Ling,William Sydney Pty. Ltd., 82 Botany St., Waterloo	324522	Premise Match	31m	North West
IMPORTERS (I200)	Ling,William Sydney Pty. Ltd., 82 Botany St., Waterloo	318503	Premise Match	31m	North West
METAL EXTRUSION TOOLING	BOHLER STEELS PTY LTD, 146 BOTANY St., WATERLOO, 2017, P.O. BOX 57, WATERLOO	329737	Premise Match	31m	West
MACHINE KNIFE MFRS. (M010)	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo	323937	Premise Match	31m	West
FORGINGS MANUFACTURERS (F507)	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo	305861	Premise Match	31m	West
STEEL MERCHANTS-GENERAL (S694)	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo, 2017.	365558	Premise Match	31m	West
BISCUIT MFRS. &/OR DISTS. (B355)	Solomon, R& Co. Pty. Ltd., 136 Botany St., Waterloo	267019	Premise Match	31m	West
CONDIMENT MFRS. &/OR DISTS.(C611)	Solomon, R& Co. Pty. Ltd., 136-144 Botany St., Waterloo	285347	Premise Match	31m	West
MACARONI MANUFACTURERS (M005)	Solomon,R. & Co. Pty. Ltd., 136-144 Botany St., Waterloo	323934	Premise Match	31m	West
GROCERS-WHOLESALE (G660)	Solomon,R. & Co. Pty. Ltd., 136-144 Botany St., Waterloo	313232	Premise Match	31m	West
FOOD PRODUCTS MFRS. &/OR DISTS.(F432)	Solomon,R.& Co. Pty. Ltd., 136-144 Botany St., Waterloo	305089	Premise Match	31m	West
FOOD PROCESSORS/PACKERS (F430)	Solomon,R.& Co. Pty. Ltd., 136-144 Botany St., Waterloo	305003	Premise Match	31m	West
PLAN PRINTERS (P528)	S.D.S. PRINTING PTY. LTD, 176 BOTANY St., WATERLOO, 2017	349221	Premise Match	35m	South West
PLAN PRINTERS (P528)	S.D.S. Printing Pty. Ltd., 176 Botany St., Waterloo.	349222	Premise Match	35m	South West
ENGINEERS-CONSULTING (E550)	S.D.S.Printing Pty. Ltd., 176 Botany St., Waterloo	297851	Premise Match	35m	South West
DRAUGHTSMEN (D541)	S.D.S.Printing Pty. Ltd., 176 Botany St., Waterloo	290717	Premise Match	35m	South West
DRAWING OFFICE SUPPLIES (D543)	S.D.S.Printing Pty. Ltd., 176 Botany St., Waterloo	290750	Premise Match	35m	South West
BLUE PRINTERS (B442)	S.D.SPrinting Pty. Ltd., 176 Botany St., Waterloo	267384	Premise Match	35m	South West
DRAUGHTSMEN (D541)	Sydney Drafting & Service Pty. Ltd., 176 Botany St., Waterloo	290719	Premise Match	35m	South West
ENGINEERS-CONSULTING (E550)	Sydney Drafting Service Pty. Ltd., 176 Botany St., Waterloo	297864	Premise Match	35m	South West
PRINTERS' MACHINERY MFRS./DISTRIBUTORS (P814)	ALEX COWAN MACHINERY 128 BOTANY St., WATERLOO, 2017	351733	Premise Match	36m	North West
PRINTERS' FURNISHERS (P790)	ALEX COWAN MACHINERY, 128 BOTANY St., WATERLOO, 2017	351653	Premise Match	36m	North West
PRINTERS' FURNISHERS (P790)	Cowan Alex Machinery, 128 Botany St.	351658	Premise Match	36m	North West
PRINTERS' MACHINERY MFRS./DISTRIBUTORS (P814)	Cowan Alex Machinery, 128 Botany St.	351749	Premise Match	36m	North West
PRINTERS' INK MFRS./IMPORT. (P802)	Cowan Alex Machinery, 128 Botany St., Waterloo, 2017.	351680	Premise Match	36m	North West
PRINTERS' SUPPLIES (P836)	Cowan, Alex Machinery, 128 Botany St., Waterloo, 2017.	351802	Premise Match	36m	North West
OFFICE EQUIPMENT MFRS./ DISTRIBUTORS (O 030)	Spicers Business Machines, Office Equipment Division, 128 Botany St., Waterloo, 2017	344740	Premise Match	36m	North West
DATA PROCESSING EQUIPMENT MFRS.	Spicers Business Machines, Office Equipment Division, 128 Botany St., Waterloo, 2017	287039	Premise Match	36m	North West
ADDRESSING MACHINE IMPS &/OR DEALERS (A110)	Spicers Business Machines, Office Equipment Division, 128 BotanySt., Waterloo, 2017	259678	Premise Match	36m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
IMPORTERS (I200)	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo	318053	Premise Match	36m	South
MANUFACTURERS' AGENTS (M112)	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo	324636	Premise Match	36m	South
MARBLE/GRANITE MERCH. (M120)	Australian Commercial Co. Pty. Ltd., 54 McEvoy St., Waterloo	325459	Premise Match	36m	South
HAT MFRS.' SUPPLIES (H290)	Hat Accessories, 54 McEvoy St., Waterloo	315590	Premise Match	36m	South
HAT & CAP MANUFACTURERS &/OR WHOLESALERS (H270)	Hat Accessories, 54 McEvoy St., Waterloo	315572	Premise Match	36m	South
HAT BAND MANUFACTURERS (H275)	Hat Accessories, 54 McEvoy St., Waterloo	315587	Premise Match	36m	South
HAT BAND MANUFACTURERS (H275)	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo	315588	Premise Match	36m	South
TAPE-TEXTILE-MFRS./W'SALERS(T070)	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo	367202	Premise Match	36m	South
RIBBON MANUFACTURERS (R330)	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo	357335	Premise Match	36m	South
HABERDASHERY-WHOLESALE (H020)	Hatbands Pty. Ltd., 54 McEvoy St., Waterloo	313524	Premise Match	36m	South
TAPE-TYING-MFRS./W'SALERS (T075)	Tapex Pty. Ltd., 54 McEvoy St., Waterloo	367217	Premise Match	36m	South
PACKAGING/PACKING SPEC. (P 004)	Tapex Pty. Ltd., 54 McEvoy St., Waterloo	345821	Premise Match	36m	South
TAPE-TEXTILE-MFRS./W'SALERS(T070)	Tapex Pty. Ltd.54 McEvoy St,Waterloo	367209	Premise Match	36m	South
FINANCIERS/FINANCE AGENTS (F180)	Russell Plan Pty. Ltd.(The), 186 Botany St., Waterloo	303040	Premise Match	36m	South West
OPTICAL SUPPLIES-MFRG. &/OR WHOLESALE (O 260)	Sun-Art Pty. Ltd., 184 Botany St., Waterloo.	345257	Premise Match	36m	South West
BOOKBINDERS (B527)	Bragg, E& Sons Pty. Ltd., 130-134 Botany St., Waterloo	268165	Premise Match	36m	West
PAPER RULERS/BINDERS (P147)	Bragg,E. & Sons Pty. Ltd., 130-134 Botany St., Waterloo	347159	Premise Match	36m	West
PRINTERS-LETTERPRESS (P806)	Bragg,Edgar & Sons Pty. Ltd., 130-134 Botany St., Waterloo	351944	Premise Match	36m	West
BOOKBINDERS (B527)	Hayles Bookbinding Service, 130-134 Botany St., Waterloo	268190	Premise Match	36m	West
HOTELS-LICENSED (H690)	Somerset Hotel, 191 Pitt St., Redfern	317585	Premise Match	37m	North
POULTRY DEALERS-RETAIL (P692)	Downes Butchery, 71 Raglan St, Waterloo & Branch	351231	Premise Match	41m	North East
PLASTIC MFRS.' MATERIALS SUPPLIERS(P588)	Bryce Robert & Co. Ltd., 183 Botany Rd., Waterloo	349965	Premise Match	42m	South
AGRICULTURAL CHEMICALS-IMPS.&/OR DISTS. (A200)	Bryce, Robert & Co Ltd., 183 Botany Rd., Waterloo	260478	Premise Match	42m	South
CHEMICAL-HEAVY-SUPPLIERS (C262)	Bryce, Robert & Co Ltd., 183 Botany Rd., Waterloo	279582	Premise Match	42m	South
COSMETIC MFRS.' SUPPLIES (C695)	Bryce, Robert & Co Ltd., 183 Botany Rd., Waterloo	286051	Premise Match	42m	South
CHEMICAL IMPORTERS &/OR DISTRIBUTORS (C265)	Bryce, Robert & Co Ltd., 183 Botany Rd., Waterloo.	279195	Premise Match	42m	South
DYE & BLEACH MANUFACTURERS,IMPORTS.&/OR DISTS.(D820)	Bryce, Robert & Co. Ltd, 183 Botany Rd, Waterloo	292877	Premise Match	42m	South
IMPORTERS (I200)	Bryce,R. & Co. Ltd., 183 Botany Rd., Waterloo	318133	Premise Match	42m	South
PAINT-DRY COLOURS/PIGMENT-MFRS/DIST	Bryce,R. & Co. Ltd., 183 Botany Rd., Waterloo	346489	Premise Match	42m	South
PAINT,SOLVENT/THINNER MFRS./WHOLESALERS (P052)	Bryce,R. & Co. Ltd., 183 Botany Rd., Waterloo	346060	Premise Match	42m	South
DRY CLEANING MACHINERY & SUPPLIES-MFRS.&/OR DISTS. (D720)	Bryce,R.& Co.Ltd., 183 Botany Rd., Waterloo	292586	Premise Match	42m	South
ELECTRIC MOTORS-DEALERS &/OR WHOLESALERS (E210)	Bryce,R.& Co.Ltd., 183 Botany Rd., Waterloo	294194	Premise Match	42m	South
LAUNDRY MACHINERY & EQUIPMENT MFRS. &/OR DISTS. (L260)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	322677	Premise Match	42m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
LAUNDRY SUPPLIES (L273)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	322701	Premise Match	42m	South
MERCHANTS-GENERAL (M240)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	329288	Premise Match	42m	South
MANUFACTURERS' AGENTS (M112)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	324724	Premise Match	42m	South
MACHINE TOOL MFRS./IMPORTERS/DISTRIBUTORS (M020)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	323977	Premise Match	42m	South
PAINT,VARNISH/COLOUR MFRS/SUPPLIES (P056)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	346430	Premise Match	42m	South
RESIN PRODUCERS &/OR DISTRIBUTORS (R305)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	356789	Premise Match	42m	South
SHELLAC IMPORTERS &/OR WHOLESALERS (S239)	Bryce,Robert & Co. Ltd., 183 Botany Rd., Waterloo	360830	Premise Match	42m	South
TEXTILE MFRS/ SUPPLIERS (T260)	Bryce,Robert & Co.Ltd., 183 Botany Rd., Waterloo	368353	Premise Match	42m	South
TANNERS' SUPPLIERS (T055)	Bryce,Robert & Co.Ltd., 183 Botany Rd., Waterloo	367119	Premise Match	42m	South
WOOLLEN MILLS' SUNDRIES/SUPPUES(W535)	Bryce,Robert & Co.Ltd., 183 Botany Rd., Waterloo	375388	Premise Match	42m	South
FILTRATION SUPPLIERS (F175)	Bryce,Robert & Co.Ltd., 183 Botany Rd., Waterloo	302793	Premise Match	42m	South
ELECTROPLATERS' SUPPLIES (E380)	Bryce,Robert & Co.Ltd., 183 Botany Rd., Waterloo	296685	Premise Match	42m	South
FOUNDRY SUPPLIES-GENERAL,FACINGS, ETC. (F555)	Bryce,Robert & Co.Ltd., 183 Botany Rd., Waterloo	306180	Premise Match	42m	South
PLASTIC MFRS.-SHEETING (P582)	GARRETT MAX & CO PTY. LTD, 83-85 McEVOY St., WATERLOO, 2017	350092	Premise Match	42m	South
IMPORTERS (I200)	Garrett,M. & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	318318	Premise Match	42m	South
WALLPAPER MERCHANTS (W035)	Garrett,Max & Co. Pty. Ltd., 83 McEvoy St, Waterloo.	372911	Premise Match	42m	South
PLASTIC MFRS.-SHEETING (P582)	Garrett,Max & Co. Pty. Ltd., 83 McEvoy St., Waterloo.	350093	Premise Match	42m	South
PLASTIC MFRS.' MATERIALS SUPPLIERS(P588)	Garrett,Max & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	349986	Premise Match	42m	South
PLASTIC GOODS IMPORTERS & DISTRIBUTORS (P560)	Garrett,Max Distributors Pty. Ltd., 83 McEvoy St., Waterloo	349587	Premise Match	42m	South
PLYWOOD MFRS./MERCHTS. &/OR DISTS.	Max Garrett & co. Pty. Ltd. McEvoy & Botany Sts., Waterloo, Newcastle	633219	Premise Match	42m	South
WELDING EQUIPMENT & SUPPLIES MFRS.&/OR DISTS (W155)	Weldex Pty. Ltd., 183 Botany Rd, Waterloo.	374162	Premise Match	42m	South
ELECTRODES (WELDERS')-MANUFACTURERS (E340)	Weldex Pty. Ltd., 183 Botany Rd., Waterloo	296302	Premise Match	42m	South
FURNITURE-OCCASIONAL-MFRS.&/OR WHOLESALERS (F765)	Seymour,F.& Sons Pty. Ltd., 80 Botany St., Waterloo	309846	Premise Match	44m	North West
MACHINERY DEALERS-SECOND-HAND (M030)	Skinner,J. pty. Ltd., 59-63 Botany Rd., Waterloo	324099	Premise Match	45m	North West
SHEET METAL WORKERS MACHINERY-MFRS. &/OR MERCHANTS (S234)	Skinner,J. Pty. Ltd., 59-63 Botany Rd., Waterloo	360825	Premise Match	45m	North West
WOODWORKING MACHINERY DEALERS-SECOND-HAND (W440)	Skinner,J.Pty. Ltd., 59-63 Botany Rd., Waterloo	375090	Premise Match	45m	North West
ELECTRIC MOTORS-DEALERS &/OR WHOLESALERS (E210)	Skinner,J.Pty. Ltd., 59-63 Botany Rd., Waterloo	294248	Premise Match	45m	North West
PLASTIC CONVERTERS (P550)	Cello Pack Pty. Ltd., 67 Raglan St., Waterloo	349393	Premise Match	52m	North East
PACKAGING/PACKING SPEC. (P004)	Cello-Pack Pty. Ltd., 67 Raglan St., Waterloo	345716	Premise Match	52m	North East
CELLULOSE BAG & WRAPPER MFRS. &/OR SUPPLIERS (C198)	Cello-Pack Pty. Ltd., 67 Raglan St., Waterloo	278887	Premise Match	52m	North East
LEATHER GOODS MFRS. &/OR WHOLESALERS (L400)	Davis, P. G. & Son, 67 Raglan St., Waterloo	322952	Premise Match	52m	North East
CANNERS & CANNED FOOD SPECIALISTS (C066)	Barnes, James Pty. Ltd., 117 Botany St., Waterloo	277093	Premise Match	55m	North West
COCONUT OIL & MEAL MFRS. (C512)	Barnes, James, 117 Botany St., Waterloo	284821	Premise Match	55m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TALLOW MERCHANTS &/OR REFINERS (T040)	Barnes,James Pty. Ltd., 115 Botany St., Waterloo	367043	Premise Match	55m	North West
OILS-EDIBLE-MERCHANTS (O 170)	Barnes,James Pty. Ltd., 117 Botany St., Waterloo	345085	Premise Match	55m	North West
FOOD PRODUCTS MFRS. &/OR DISTS.(F432)	Barnes,James Pty. Ltd., 117 Botany St., Waterloo	305024	Premise Match	55m	North West
MARGARINE MANUFACTURERS&/OR DISTRIBUTORS (M124)	Barnes,James Pty. Ltd., 117 Botany St., Waterloo	325478	Premise Match	55m	North West
CHEMISTS-PHARMACEUTICAL (C286)	Kirby, MC., 43 Botany Rd., Waterloo	280653	Premise Match	57m	North West
HOTELS-LICENSED (H690)	Abbott Hotel, 47 Botany Rd., Waterloo	317063	Premise Match	59m	North West
CAFES, COFFEE LOUNGES, Etc. (C030)	Canton Cafe, 35 Botany Rd., Waterloo	275425	Premise Match	59m	North West
MOTOR PANEL BEATERS (M680)	Continental Body Repairs Pty. Ltd., 65 Botany Rd., Waterloo	339950	Premise Match	59m	North West
MOTOR PAINTERS (M672)	Continental Body Repairs Pty. Ltd., 65 Botany Rd., Waterloo	339214	Premise Match	59m	North West
FRUITERERS/GREENGROCERS (F640)	Khoury,N.M., 37 Botany Rd., Waterloo	307325	Premise Match	59m	North West
DISPLAY FITTINGS-MFRS.&/OR SUPPLIERS (D350)	Peters & Bryant, 14-16 Lenton Pde., Waterloo	289791	Premise Match	60m	East
ORNAMENTAL METAL WORKERS(O 310)	Peters & Bryant, 14-16 Lenton Pde., Waterloo	345544	Premise Match	60m	East
HOTELS-LICENSED (H690)	Clifton Hotel, 1 Botany Rd., Waterloo	317167	Premise Match	60m	North West
BUTCHERS-RETAIL (B860)	Greenfield, Jand Son, 45 Botany Rd., Waterloo	273705	Premise Match	60m	North West
BUTCHERS-RETAIL (B860)	Mickey's Butchery, 45 Botany Rd., Waterloo	274096	Premise Match	60m	North West
UPHOLSTERERS-MFRG.(U060)	Artwood Furniture Pty. Ltd., 107 Botany Rd., .Waterloo	372204	Premise Match	61m	West
UPHOLSTERERS (U050)	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	371997	Premise Match	61m	West
FURNITURE-LOUNGE SUITES-MFRS.&/OR W'SALERS (F755)	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	309713	Premise Match	61m	West
FURNITURE-HOUSEHOLD-RETAILERS RETAILERS (F740)	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	309357	Premise Match	61m	West
MILK,FRUIT JUICE BARS/CONFECTIONERS (M336)	Lang,K. & P., 101 Botany Rd., Waterloo	330806	Premise Match	61m	West
FISH MERCHANTS-RETAIL (F245)	Stans Fish Shop, 39 Botany Rd., Waterloo	303772	Premise Match	62m	North West
CHEMISTS-MANUFACTURING &/OR WHOLESALE (C284)	Sigma Pharmaceuticals Pty. Ltd., 89 Botany Rd., Waterloo	279947	Premise Match	62m	West
RADIO &/OR TELEVISION SALES & SERVICEMEN (R090)	Commodore T.V. Service Pty. Ltd., 31 Botany Rd.WATERLOO	354231	Premise Match	63m	North West
BUTCHERS-RETAIL (B860)	Clancy, Jim, 703 Elizabeth St., Waterloo	273360	Premise Match	65m	East
RADIO &/OR TELEVISION SALES & SERVICEMEN (R090)	Baker,Davies & Co., 13 Botany Rd.WATERLOO	354176	Premise Match	65m	North West
INTER-COMMUNICATING SYSTEMS MFRS./INSTALLERS (I610)	British Automatic Teleric Pty. Ltd., 13 BotanyRd., Redfern	320505	Premise Match	65m	North West
MERCHANTS-GENERAL (M240)	Penny,W. A. Pty. Ltd., 169 Botany Rd., Waterloo	329590	Premise Match	65m	South West
FRUITERERS/GREENGROCERS (F640)	Ruggero,J., 701 Elizabeth St., Waterloo	307858	Premise Match	66m	East
MOTOR GARAGES & ENGINEERS(M6S6)	Alexandria Auto Port, 143-159 Botany Rd.WATERLOO	337172	Premise Match	66m	South West
ELECTRIC TOOLS (PORTABLE) MFRS.&/OR DISTS.(E275)	Black & Decker (A/asia) Pty. Ltd., 133 Botany Rd., Waterloo.	294558	Premise Match	66m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Hawxwell & Jones Pty. Ltd., 165 Botany Rd.WATERLOO	337997	Premise Match	66m	South West
MOTOR PAINTERS (M672)	Hawxwell and Jones Ply. Ltd., 165 Botany Rd., Waterloo	339358	Premise Match	66m	South West
MOTOR PANEL BEATERS (M680)	Hawxwell and Jones Pty. Ltd., 165 Botany Rd., Waterloo	340109	Premise Match	66m	South West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS (F730)	Kafka,Paul Exclusive Furniture Pty. Ltd., 161 Botany Rd., Waterloo	309248	Premise Match	66m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CONFECTIONERS-RETAIL (C620)	Abood, J., 81 Botany Rd., Waterloo	285350	Premise Match	66m	West
WINDOW CLEANERS (W230)	Austral Window & General Cleaning Co., 87 Botany Rd., Waterloo, 2017	374298	Premise Match	66m	West
CLEANERS-GENERAL (C380)	Austral Window & General Cleaning Co., 87 Botany Rd.,Waterloo, 2017	281816	Premise Match	66m	West
CLEANERS-INDUSTRIAL (C383)	Austral Window & General Cleaning Co., 87 Botany Rd.,Waterloo, 2017	281848	Premise Match	66m	West
FOOTWEAR MFRS.-SANDALS (F480)	Verka Shot Co, 87 Botany Rd, Waterloo	305416	Premise Match	66m	West
FOOTWEAR MFRS.-SANDALS (F480)	Verka Shot Co, 87 Botany Rd, Waterloo	305417	Premise Match	66m	West
DELICATESSENS (D080)	Pauli,M., 699 Elizabeth St., Waterloo	287808	Premise Match	67m	East
DELICATESSENS (D080)	Popular (The), 699 Elizabeth St., Waterloo	287836	Premise Match	67m	East
DELICATESSENS (D080)	Popular (The), 699 Elizabeth St., Waterloo	287837	Premise Match	67m	East
BUTCHERS-RETAIL (B860)	Barrett Bros., 29a Botany Rd., Waterloo	273163	Premise Match	67m	North West
STORE & PACKING ROOM EQUIPMENT MANUFACTURERS&/OR DISTRIBUTORS (S778)	Marfleet & Weight (Sales) Pty. Ltd, 55B Botany Rd, Alexandria, 2015	366222	Premise Match	67m	North West
BUTCHERS-RETAIL (B860)	Olympia Meat Butchery, 29a Botany Rd., Waterloo	274241	Premise Match	67m	North West
TAILORS-LADIES'/GENT'S (T015)	Pavlou,G., 29 Botany Rd., Waterloo	366846	Premise Match	67m	North West
HOTELS-LICENSED (H690)	Cauliflower Hotel, 123 Botany Rd., Waterloo	317152	Premise Match	67m	West
MOTOR GARAGES & ENGINEERS(M6S6)	Total Service Station, 69-83 Botany Rd.WATERLOO	338763	Premise Match	67m	West
FISH MERCHANTS-RETAIL (F245)	South Sydney Seafoods, 697 Elizabeth St, Waterloo	303758	Premise Match	69m	East
STATIONERS-RETAIL (S516)	Mazoudiers, 695 Elizabeth St., Waterloo	364666	Premise Match	71m	East
NEWSAGENTS (N100)	Mazoudiers, 695 Elizabeth St., Waterloo	343689	Premise Match	71m	East
GROCERS-RETAIL (G655)	Prince's Grocery, 27 Botany Rd., Waterloo	312909	Premise Match	71m	North West
FURNISHINGS-SOFT-RETAIL (F690)	Standard Furniture Co. Pty. Ltd.,Botany Rd.& McEvoy St., Waterloo	308621	Road Intersection	72m	South
FURNITURE-HOUSEHOLD-RETAILERS RETAILERS (F740)	Standard Furniture Co. Pty. Ltd.,Cnr. Botany Rd.& McEvoy St., Waterloo	309591	Road Intersection	72m	South
SANDWICH/LUNCHEON SHOPS (S065)	T. & S. (Gibson) Canteen, 62 McEvoy St., Alexandria	358953	Road Intersection	72m	South
HARDWARE DEALERS/IRONMONGERS (H230)	Upward,E. & E., 693 Elizabeth St. WATERLOO	315347	Premise Match	73m	East
BUTCHERS-RETAIL (B860)	Caldwell, LJ., 7 Botany Rd., Waterloo	273308	Premise Match	74m	North West
SCREWS-METAL THREAD-WOODSET & SELF TAPPING MFRS.	COOKE SIDNEY FASTENERS PTY. LTD. 40-46 McEVOY St., WATERLOO, 2017	360088	Premise Match	75m	South
NAIL/STAPLE MFRS. (N010)	COOKE SIDNEY FASTENERS PTY. LTD. 40-46 McEVOY St., WATERLOO, 2017	343236	Premise Match	75m	South
NAIL/STAPLE MFRS. (N010)	Cooke,Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	343237	Premise Match	75m	South
RIVET MANUFACTURERS (R350)	Cooke,Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	357373	Premise Match	75m	South
WASHER MANUFACTURERS (W050)	Cooke,Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	373019	Premise Match	75m	South
SCREW MFRS. &/OR DISTS. (S173)	Cooke,Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo.	360048	Premise Match	75m	South
ARTISTS-COMMERCIAL (A525)	Madden Art Production, 167 Botany Rd., Waterloo	262482	Premise Match	76m	South West
PRINTERS' CONSULTANTS,BROKERS & DESIGNERS	MERRITT MADDEN PTY. LIMITED, 167 BOTANY RD., WATERLOO, 2017	351619	Premise Match	76m	South West
ARTISTS-COMMERCIAL (A525)	Merritt, Madden Pty. Ltd., 167 Botany Rd., Waterloo	262484	Premise Match	76m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
ADVERTISING AGENTS-DIRECT MAIL(A125)	Merritt, Madden Pty. Ltd., 167 Botany Rd., Waterloo	259806	Premise Match	76m	South West
ADVERTISING CONTRACTORS-GENERAL (A157)	Merritt, Madden Pty. Ltd., 167 Botany Rd., Waterloo	260113	Premise Match	76m	South West
STATIONERY-LOOSE LEAF SYSTEMS & EQUIPMENT MFRS. &/OR DISTRIBUTORS (S522)	Cumberland Stationery Co. (The), 68 Botany St., Redfern'	364991	Premise Match	78m	North West
STATIONERS-WHOLESALE (S519)	Cumberland Stationery Co. (The), 68-70 Botany St. Redfern	364911	Premise Match	78m	North West
PLASTIC GOODS MFRS. (P564)	Cumberland Stationery Co. (The), 68-70 Botany St., Redfern	349659	Premise Match	78m	North West
PHOTO ALBUMS/ACCESSORIES MFRS.(P252)	Cumberland Stationery Co. (The), 68-70 Botany St., Redfern	347677	Premise Match	78m	North West
LEATHER GOODS MFRS. &/OR WHOLESALERS (L400)	Cumberland Stationery Co. (The), 68-70 Botany St., Redfern	322951	Premise Match	78m	North West
ENVELOPE MANUFACTURERS (E810)	Cumberland Stationery Co.(The), 68 Botany St., Redfern	301384	Premise Match	78m	North West
CHAIR MANUFACTURERS (C239)	Hare & Murray Pty. Ltd., 66 Botany St, Redfern	279106	Premise Match	84m	North West
POULTRY DEALERS-W'SALE (P696)	Sanford,G. K. Pty. Ltd., 146 Renwick St., Redfern	351334	Premise Match	86m	North West
FISH MERCHANTS-RETAIL (F245)	Sanford,G.K., 146 Renwick St., Redfern	303722	Premise Match	86m	North West
FISH MERCHANTS-W'SALE (F250)	Sanford,G.K.Pty. Ltd., 146 Renwick St., Redfern	303889	Premise Match	86m	North West
FOODS-FROZEN-SPECIALISTS (F439)	Sanford,G.K.Pty. Ltd., 146 Renwick St., Redfern	305174	Premise Match	86m	North West
MIXED BUSINESSES (M408)	Nicolious,N. & M., 673-675 Elizabeth St., Waterloo	333445	Premise Match	96m	East
SHOP/OFFICE FITTERS (S276)	Graham & Pinder, 44 Douglass St., Redfern	361336	Premise Match	98m	North
HOTELS-LICENSED (H690)	Iron Duke Hotel, 220 Botany Rd., Alexandria	317379	Premise Match	100m	South
MOTOR PANEL BEATERS (M680)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfem	340492	Premise Match	103m	North West
MOTOR PAINTERS (M672)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern	339701	Premise Match	103m	North West
MOTOR BODY REPAIRS/CONVERTERS(M496)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern	335424	Premise Match	103m	North West
MOTOR GARAGES & ENGINEERS(M6S6)	Town Auto Repairs, 60 Botany St. REDFERN	338784	Premise Match	103m	North West
MOTOR BODY BUILDERS (M488)	Town Auto Repairs, 60 Botany St., Redfern	335231	Premise Match	103m	North West
SPRAYERS-INDUSTRIAL (S461)	Town Auto Repairs, 60 Botany St., Redfern	363811	Premise Match	103m	North West
JEWELLERS/WATCHMAKERS-RETAIL(J060)	Broadbent, George, 193 Regent St, Redfern	320971	Premise Match	111m	North West
COPPERSMITHS (C668)	Dunbar, P., 95 Botany St., Redfem	285822	Premise Match	111m	North West
MARINE PLUMBERS (M136)	Dunbar,P., 95 Botany St., Redfern	325592	Premise Match	111m	North West
PHOTOGRAPHERS-PORTRAIT (P284)	Hollywood Portraits, 193 Regent St., Redfern	348073	Premise Match	111m	North West
BATTERY SALES & SERVICE (B230)	Hy-Beam Electric Pty. Ltd., 95 Botany St., Redfern	265362	Premise Match	111m	North West
ELECTRICAL SUPPLIES/ APPLIANCES RETAILERS (E325)	Watson,P.J.Pty. Ltd., 193 Regent St. Redfcrn	295961	Premise Match	111m	North West
BUSINESS AGENTS &/OR BROKERS(B852)	Silver & Co., 130 Botany Rd., Alexandria	272912	Premise Match	111m	West
REAL ESTATE AGENTS/VALUERS(R205)	Sliver & Co, 130 Botany Rd.ALEXANDRIA	356023	Premise Match	111m	West
BATH & SINK HEATER REPAIRS (B125)	Mathias & Co., 56 Botany St., Redfern.	265037	Premise Match	112m	North West
BUTCHERS-RETAIL (B860)	Phillips, AF., 54 Botany Rd., Alexandria	274330	Premise Match	112m	North West
BUTCHERS-RETAIL (B860)	Phillis, AF., 54 Botany Rd., Alexandria	274332	Premise Match	112m	North West
MOTOR PANEL BEATERS (M680)	Alexandria Car Replacement Parts, 50 Botany Rd., Redfern	339788	Premise Match	113m	North West
PAINTERS-SPRAY (P096)	Dana Pty. Ltd., 50 Botany Rd., Alexandria	346778	Premise Match	113m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CHEMISTS-PHARMACEUTICAL (C286)	Karrs' Pharmacy, 52 Botany Rd., Alexandria	280613	Premise Match	113m	North West
SECOND-HAND DEALERS (S179)	Parsieglo,K. H., 50 Botany Rd., Alexandria	360224	Premise Match	113m	North West
HOTELS-LICENSED (H690)	Cricketers' Arms Hotel, 56-58 Botany Rd., Alexandria	317191	Premise Match	115m	North West
POULTRY DEALERS-RETAIL (P692)	Hayward,W., 191 Regent St., Redfern2114	351243	Premise Match	115m	North West
BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260)	Norlee Salon, 42 Botany Rd., Redfern	266420	Premise Match	115m	North West
ELECTRIC FURNACE MFRS.&/OR DISTRIBUTORS (E130)	Gibbons Furnace (Aust.) Pty. Ltd., 4 James St., Waterloo	293658	Premise Match	115m	South
ENGINEERS-FURNACE/COMBUSTION (E605)	Gibbons Furnace (Aust.) Pty. Ltd., 4 James St., Waterloo	298776	Premise Match	115m	South
HEAT TREATMENT EQUIPMENT MANUFACTURERS (H380)	Gibbons Furnace (Aust.) Pty. Ltd., 4 James St., Waterloo	316145	Premise Match	115m	South
POTTERY MFRS/ SUPPLIES (P676)	Gibbons Furnace (Aust.) Pty. Ltd., 4 James St., Waterloo	351166	Premise Match	115m	South
HOT WATER SYSTEMS-FUEL &LIQUID-MFRS. &/OR DISTS. (H650)	Huril, Norman J& Co(Vic.) Pty. Ltd., 4 James St., Waterloo	316898	Premise Match	115m	South
BRICK, PIPE & TILE MFRS.' MACHINERY (B718)	Huril, Norman J& Co(Vic.) Pty. Ltd., 4 James St., Waterloo	269650	Premise Match	115m	South
BRICKLAYERS & BRICKLAYING CONTRACTORS (B724)	Huril, Norman J& Co(Vic.) Pty. Ltd., 4 James St., Waterloo	269672	Premise Match	115m	South
GAS BURNERS-INDUSTRIAL-MFRS./DISTS.(G086)	Huril, Norman J.Co.(Vic.) Pty. Ltd., 4 James St., Waterloo	310415	Premise Match	115m	South
ENGINEERS-FURNACE/COMBUSTION (E605)	Huril,Norman J.& Co.(Vic.) Pty. Ltd., 4 James St., Waterloo	298781	Premise Match	115m	South
ENGINEERS-GAS WORKS	Huril,Norman J.& Co.(Vic.) Pty. Ltd., 4 James St., Waterloo	297085	Premise Match	115m	South
ENGINEERS-HOT WATER,VENTILATING (E640)	Huril,Norman J.& Co.(yic.) Pty. Ltd., 4 James St., Waterloo.	299911	Premise Match	115m	South
PACKAGING/PACKING SPEC. (P 004)	Alexander Industries Pty. Ltd, 222 Botany Rd, Alexandria	345688	Premise Match	116m	South
PACKING MACHINERY MFRS./DISTRIBUTORS (P008)	Alexander Industries Pty. Ltd., 222 Botany Rd., Alexandria	345847	Premise Match	116m	South
CARDBOARD BOX & CARTON MANUFACTURERS (C111)	Alexander Industries Pty. Ltd., 222 Botany Rd., Alexandria	277442	Premise Match	116m	South
PACKAGING/PACKING SPEC. (P 004)	Alexander Olson Pty. Ltd, 222 Botany Rd, Alexandria	345689	Premise Match	116m	South
LABELS-GENERAL (L020)	Modem Packages Pty. Ltd., 222-244 Botany Rd., Alex	322302	Premise Match	116m	South
PACKAGING/PACKING SPEC. (P 004)	Modern Packager Pty. Ltd., 222-244 Botany Rd., Alexandria	345783	Premise Match	116m	South
PAPER CONTAINER MFRS. (P124)	Modern Packages Pty. Ltd., 222 Botany Rd., Alexandria	347002	Premise Match	116m	South
PRINTERS-LETTERPRESS (P806)	Modern Packages Pty. Ltd., 222 Botany Rd., Alexandria	352221	Premise Match	116m	South
PRINTERS-LITHOGRAPHIC (OFFSET)(P810)	Modern Packages Pty. Ltd., 222-224 Botany Rd., Alex	352637	Premise Match	116m	South
PLASTIC FABRICATORS Cr VACUUM FORMERS (P556)	Viewpacks Pty. Ltd., 222 Botany Rd., Alexandria.	349570	Premise Match	116m	South
PACKAGING/PACKING SPEC. (P 004)	Vlewpacks Pty. Ltd., 222 Botany Rd., Alexandria	345832	Premise Match	116m	South
PACKAGING/PACKING SPEC. (P 004)	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	345834	Premise Match	116m	South
PRINTERS-LITHOGRAPHIC (OFFSET)(P810)	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	352768	Premise Match	116m	South
PRINTERS-LETTERPRESS (P806)	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	352422	Premise Match	116m	South
CARDBOARD BOX & CARTON MANUFACTURERS (C111)	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	277509	Premise Match	116m	South
MERCHANTS-GENERAL (M240)	Hong Kong Mercantile Pty. Ltd., 82 Botany Rd., Redfern	329455	Premise Match	117m	West
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Waterloo Auto Port (Neptune), 74-82 Botany Rd.ALEXANDRIA	341607	Premise Match	117m	West

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HARDWARE DEALERS/IRONMONGERS (H230)	Crown Lubricants Pty. Ltd, 186 Botany Rd.ALEXANDRIA	314992	Premise Match	118m	South West
INSECTICIDE MFRS. (I340)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	319283	Premise Match	118m	South West
MOTOR OIL/GREASE MFRS. (M664)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	339031	Premise Match	118m	South West
DISINFECTANT MFRS.&/OR DISTS.(D340)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	289688	Premise Match	118m	South West
PAINT,VARNISH,OILS/COLOUR MERCHANTS (P074)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	346154	Premise Match	118m	South West
PAINTERS' SUPPLIES/REQUISITES(P100)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	346531	Premise Match	118m	South West
PACKAGING/PACKING SPEC. (P 004)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	345727	Premise Match	118m	South West
OILS-LUBRICATING-MERCHANTS(O 200)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	345157	Premise Match	118m	South West
SOAP MFRS.-LIQUID (S383)	Crown Lubricants Pty. Ltd., 186 Botany Rd., Alexandria	362034	Premise Match	118m	South West
HOTELS-LICENSED (H690)	George Hotel (The), 760 Elizabeth St., Waterloo	317266	Premise Match	119m	East
FRUITERERS/GREENGROCERS (F640)	Choy,J., 40 Botany Rd., Alexandria	306839	Premise Match	119m	North West
FOOTWEAR RETAILERS (F495)	Ida Shoe Store, 38 Botany Rd., Alexandria	305599	Premise Match	119m	North West
FOOTWEAR RETAILERS (F495)	Ida Shoe Store, 38 Botany Rd., Alexandria	305600	Premise Match	119m	North West
FOOTWEAR RETAILERS (F495)	Regent Street Shoe Repairs, 189 Regent St., Redfern	305703	Premise Match	119m	North West
FRUITERERS/GREENGROCERS (F640)	Sue Sun, 40 Botany Rd., Alexandria	307996	Premise Match	119m	North West
STEEL IMPORTERS (S679)	Bohler Steels Pty. Ltd., 146 Botany Rd., Waterloo.	365434	Premise Match	119m	South West
STEEL MERCHANTS-ALLOY/TOOLSTEEL (S685)	Bohler Steels Pty. Ltd., 146 Botany Rd., Waterloo.	365494	Premise Match	119m	South West
SANDWICH/LUNCHEON SHOPS (S065)	Freshly-Cut Sandwiches, 146 Botany Rd., Alexandria	358702	Premise Match	119m	South West
SANDWICH/LUNCHEON SHOPS (S065)	Freshly-Cut Sandwiches, 146 Botany Rd., Alexandria	358703	Premise Match	119m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Precision Motor Engineering Co., 144 Botany Rd.ALEXANDRIA	338444	Premise Match	119m	South West
PRINTERS-LETTERPRESS (P806)	Ray Printing Co., 150 Botany Rd., Alexandria	352302	Premise Match	119m	South West
PRINTERS-LITHOGRAPHIC (OFFSET)(P810)	Ray Printing Co., 150 Botany Rd., Alexandria	352697	Premise Match	119m	South West
MOTOR TRIMMERS (M748)	Summer Motors, 144 Botany Rd., Alexandria	342696	Premise Match	119m	South West
MOTOR PANEL BEATERS (M680)	Summer Motors, 144 Botany Rd., Alexandria	340452	Premise Match	119m	South West
MOTOR BODY REPAIRS/CONVERTERS(M496)	Summer Motors, 144 Botany Rd., Alexandria	335411	Premise Match	119m	South West
BUILDERS' SUPPLIERS (B814)	Brentware (N.S.W.) Pty. Ltd., 86-92 Botany Rd., Waterloo	271250	Premise Match	119m	West
METAL MERCHANTS (M260)	Landow Bros., 6 Henderson Rd., Alexandria	329791	Premise Match	119m	West
LEAD MERCHANTS/SUPPLIER5 (L340)	Landow Bros., 6 Henderson Rd., Alexandria	322877	Premise Match	119m	West
UPHOLSTERERS (U050)	Lock Lee & Co., 134-136 Botany Rd., Alexandria	372074	Premise Match	119m	West
FURNITURE/CABINET MAKERS'HARDWARE MFRS. (F693)	Lock Lee & Co., 136 Botany Rd., Alexandria	308929	Premise Match	119m	West
FURNITURE-BEDROOM-MFRS.&/OR WHOLESALERS (F700)	Lock,Lee & Co., 136 Botany Rd., Alexandria	309001	Premise Match	119m	West
FURNITURE-OCCASIONAL-MFRS.&/OR WHOLESALERS (F765)	Lock,Lee & Co., 136 Botany Rd., Alexandria	309830	Premise Match	119m	West
FURNITURE-OFFICE-MFRS. &/OR WHOLESALERS (F770)	Lock,Lee & Co., 136 Botany Rd., Alexandria	309911	Premise Match	119m	West

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EASTERN GOODS MERCHANTS (E035)	Lock,Lee & Co., 136 Botany Rd., Alexandria	293321	Premise Match	119m	West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS (F730)	Lock,Lee St Co., 136 Botany Rd., Alexandria	309258	Premise Match	119m	West
SCRAP METAL MERCHANTS (S161)	Undow Bros., 6 Henderson Rd., Alexandria	359909	Premise Match	119m	West
SHOP/OFFICE FITTERS (S276)	Vetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	361415	Premise Match	119m	West
GLAZIERS (G320)	Vetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	311392	Premise Match	119m	West
GLASS BEVELLERS/CUTTERS (G210)	Vetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	311097	Premise Match	119m	West
GLASS MERCHANTS (G260)	Vetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	311244	Premise Match	119m	West
GLASSWARE & CRYSTALWARE IMPORTS.&/OR W'SALERS (G300)	Vetro Glass Co. Pty. Ltd., 62-74 Botany Rd., Alexandria	311309	Premise Match	119m	West
GLASSWARE/CRYSTALWARE MFRS.(G310)	Vetro Glass Co. Pty. Ltd., 62-74 Botany Rd., Alexandria	311316	Premise Match	119m	West
BUILDERS' SUPPLIERS (B814)	Vetro Glass Co. Pty. Ltd., 62-74 Botany Rd., Alexandria	271616	Premise Match	119m	West
MIRROR MANUFACTURERS (M400)	Vetro Glass Co. Pty. Ltd., 627-74 Botany Rd., Alexandria	331853	Premise Match	119m	West
GLASS BRICK MFRS. &/OR DISTS.(G220)	Vetro Glass'Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	311102	Premise Match	119m	West
FOOTWEAR RETAILERS (F495)	Ada Shoe Store, 36 Botany Rd., Alexandria	305437	Premise Match	120m	North West
MERCERS-MEN'S & BOYS' OUTFITTERS(M232)	Lang's Mercery, 36 Botany Rd., Alexandria	328990	Premise Match	120m	North West
PRINTERS-LETTERPRESS (P806)	Berk Printing (Sales) Pty. Ltd., 94 Botany Rd., Alexandria.	351926	Premise Match	120m	West
PRICE TICKETING SYSTEM MFRS.(P778)	Berk Printing Co. Pty. Ltd., 94 Botany Rd. Alexandria	351597	Premise Match	120m	West
TICKET/TAG MFRS.(T330)	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	368572	Premise Match	120m	West
LABELS-GENERAL (L020)	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	322287	Premise Match	120m	West
BOOKBINDERS (B527)	Berk Printing Co., 94 Botany Rd., Alexandria	268160	Premise Match	120m	West
MOTOR PANEL BEATERS (M680)	Chapman Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	339925	Premise Match	120m	West
MOTOR RADIATOR MFRS. (M696)	Chapman,Walter Pty. Ltd., 86 Botany Rd., Alexandria	340654	Premise Match	120m	West
MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS (M700)	Chapman,Walter Pty. Ltd., 86 Botany Rd., Alexandria	340675	Premise Match	120m	West
MOTOR CAR RADIO SPECS. (M544)	Chapman,Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	335696	Premise Match	120m	West
MOTOR BODY REPAIRS/CONVERTERS(M496)	Chapman,Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	335298	Premise Match	120m	West
MOTOR PAINTERS (M672)	Chapman. Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	339191	Premise Match	120m	West
CHEMISTS-MANUFACTURING &/OR WHOLESALE (C284)	Ethnor Pty. Ltd., 108 Botany Rd., Alexandria	279840	Premise Match	120m	West
CASTOR & WHEEL MFRS. &/OR DISTS (C180)	Ford, CAPty. Ltd., 86 Botany Rd., Waterloo	278677	Premise Match	120m	West
MIXED BUSINESSES (M408)	Chalmers-PHillp St. Mixed, 291 Chalmers St., Redfern	332276	Premise Match	121m	North East
HAIRDRESSERS' SUPPLIES (H090)	Dean,Wal & Sons Pty. Ltd., 30 Botany Rd., Alexandria	314601	Premise Match	121m	North West
HAIRDRESSERS (GENT.'S) (H070)	Dean,Wal & Sons Pty. Ltd., 30 Botany Rd., Alexandria	313813	Premise Match	121m	North West
MOTOR TOWING SERVICES (M744)	A. & A. Towing Services Pty. Ltd., 142 Botany Rd., Alex	342378	Premise Match	121m	South West
BUILDERS & CONTRACTORS (B800)	Gabney Constructions Pty. Ltd., 142 Botany Rd., Alexandria	270120	Premise Match	121m	South West
HOUSE MAINTENANCE SPECS. (H720)	Veney, G. C. & Sons, 138-142 Botany Rd., Alexandria	317905	Premise Match	121m	South West
PLUMBERS,GASFITTERS/DRAIN LAYERS(P608)	Veney, G. C. & Sons, 138-142 Botany Rd.ALEXANDRIA	350823	Premise Match	121m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
BUILDING ALTERATIONS & REPAIRS (B816)	Veney, GC & Sons, 138-142 Botany Rd., Alexandria	271703	Premise Match	121m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Esso Service Station, 10 Botany Rd.ALEXANDRIA	337748	Premise Match	122m	North West
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Esso Servicenter, 10 Botany Rd.REDFERN	341055	Premise Match	122m	North West
NEWSAGENTS (N100)	Dalys, 8 Botany Rd., Alexandria	343473	Premise Match	123m	North West
FOOTWEAR RETAILERS (F495)	Glass' Personality Shoes, 22-26 Botany Rd., Alexandria	305559	Premise Match	123m	North West
BOOKSELLERS--RETAIL (B555)	Wills, AD4 JA., 8 Botany Rd., Alexandria	268555	Premise Match	123m	North West
HOTELS-LICENSED (H690)	Star Hotel, 170 Botany Rd., Alexandria	317591	Premise Match	123m	South West
JEWELLERS-COSTUME-RETAIL (J040)	Brandons, 6 Botany Rd., Alexandria	321461	Premise Match	124m	North West
FURNITURE-OFFICE-MFRS. &/OR WHOLESALERS (F770)	Lee, A.P.& Sons, 156 Botany Rd., Alexandria	309909	Premise Match	124m	South West
FURNITURE REPAIRERS/REMODELLERS (F790)	Lee, A.P.& Sons, 156 Botany Rd., Alexandria	308904	Premise Match	124m	South West
UPHOLSTERERS (U050)	Lee, A.P.& Sons, 156 Botany Rd., Alexandria	372073	Premise Match	124m	South West
MOTOR ENGINEERS (M626)	Nicolosi,W., 154 Botany Rd., Alexandria	337097	Premise Match	124m	South West
LINOLEUMS-MANUFACTURERS &/OR WHOLESALERS (L550)	Project Floor Coverings Pty. Ltd., 158 Botany Rd,Alexandria	323716	Premise Match	124m	South West
CARPET & FLOOR COVERING PLANNERS & LAYERS (C132)	Project Floor Coverings Pty. Ltd., 158 Botany Rd., Alexandria	277684	Premise Match	124m	South West
FLOOR LAYERS (F310)	Project Floor Coverings Pty. Ltd., 158 Botany Rd., Alexandria	304082	Premise Match	124m	South West
TILE MFRS.&/OR DISTS.-FLOOR &WALL (T355)	Project Floor Coverings Pty. Ltd., 158 Botany Rd., Alexandria	368717	Premise Match	124m	South West
FLOOR COVERING-INDUSTRIAL SPECIALISTS (F307)	Project Floor Coverings Pty. Ltd., 158 Botany Rd., Alexandria.,	304054	Premise Match	124m	South West
CARPET & FLOOR COVERING RETAILERS &/OR SPECIALISTS (C135)	Project Floor Coverings Pty. Ltd., 158 Botany Rd.,Alexandria	277804	Premise Match	124m	South West
TRAVEL GOODS RETAILERS (T655)	Brandons, 2-4 Botany Rd., Alexandria	371239	Premise Match	125m	North West
PAWNBROKERS/MONEYLENDERS(P208)	Brandons, 2-4 Botany Rd., Alexandria	347454	Premise Match	125m	North West
MOTOR GARAGES & ENGINEERS(M6S6)	Caltex Service Station, 762 Elizabeth St. WATERLOO	337506	Premise Match	126m	East
MOTOR GARAGES & ENGINEERS(M6S6)	Waterloo Car Centre, 762 Elizabeth St. & Wellington St. WATERLOO	338843	Premise Match	126m	East
MERCHANTS-GENERAL (M240)	Falk Stadelmann & Co. Ltd., 160-168 Botany Rd. Alexandria	329391	Premise Match	126m	South West
FLUORESCENT LIGHTING SPEC. (F370)	Falks Australia Pty. Ltd., 160 Botany Rd., Alexandria	304626	Premise Match	126m	South West
ELECTRIC CABLE,FLEX & WIRE MFRS.&/OR DISTS.(E055)	Falks Australia Pty. Ltd., 160 Botany Rd., Alexandria	293375	Premise Match	126m	South West
ELECTRIC LIGHT FITTINGS (SHADES,STANDARD BRACKETS,ETC)MFRS.&/OR DISTS.(E165)	Falks Australia Pty. Ltd., 160 Botany Rd., Alexandria	293831	Premise Match	126m	South West
ELECTRIC LIGHT GLOBE & ELEMENT MFRS.&/OR DISTS. (E170)	Falks Australia Pty. Ltd., 160 Botany Rd., Alexandria	293902	Premise Match	126m	South West
ELECTRIC LIGHTING SPECIALISTS-INSTALLERS &/OR DESIGNERS(E180)	Falks Australia Pty. Ltd., 160 Botany Rd., Alexandria	293958	Premise Match	126m	South West
ELECTRICAL SUPPLIES/ APPLIANCES-WHOLESALE (E330)	Falks Australia Pty. Ltd., 160 Botany Rd., Alexandria	296009	Premise Match	126m	South West
ELECTRIC SWITCH & CONTROL GEAR MFRS.&/OR DISTS.(E260)	Falks Australia Pty. Ltd., 160 Botany Rd., Alexandria	294402	Premise Match	126m	South West
DRY CLEANERS,PRESSERS/DYERS (D710)	McDermotts, 134 Pitt St., Redfern	292402	Premise Match	128m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CAFES, COFFEE LOUNGES, Etc. (C030)	Rachel Forster Hospital Cafetaria, Albert St., Redfern	275996	Premise Match	129m	North
SANDWICH/LUNCHEON SHOPS (S065)	Hamburger Lunch, 3a Henderson Rd., Alexandria	358718	Premise Match	131m	North West
HAIRDRESSERS (GENT.'S) (H070)	Notaras,E., 740 Elizabeth St., Waterloo	314259	Premise Match	132m	East
HOTELS-LICENSED (H690)	Glenroy Hotel, 242 Botany Rd., Alexandria	317275	Premise Match	132m	South
HIRE CAR SERVICES (H430)	Redfern Hire Service, 34 Douglas St., Redfern	316236	Premise Match	133m	North
TAXIS (T120)	Staples,H.W., 34 Douglas St., Redfern	367502	Premise Match	133m	North
ANIMAL & BIRD FOOD SUPPLIES (A375)	Clarke, E. & Sons, 158 Regent St, Redfern (Bird Seed)	261499	Premise Match	133m	North West
PRODUCE MERCHANTS-GRAIN & SEED-RETAIL (P854)	Clarke, E. & SONs, 158 Regent St., Redfern	352969	Premise Match	133m	North West
FUEL MERCHANTS-COAL/COKE,WOOD (F650)	Clarke, E.& Sons, 158 Regent St., Redfern	308260	Premise Match	133m	North West
ENGINEERS-COMPRESSED AIR (E540)	Airspeed Products, 183 Regent St., Redfern	297653	Premise Match	134m	North West
ENGINEERS-GENERAL &/OR MFRG.&/OR MECHANICAL (E615)	Airspeed Products, 183 Regent St., Redfern	298853	Premise Match	134m	North West
PNEUMATIC TOOL MFRS. (P636)	Airspeed Products, 183 Regent St., Redfern	351003	Premise Match	134m	North West
MOTOR CAR/TRUCK IMPORTERS/DISTRIBUTORS (M524)	Peugeot Sales & Service, 153 George St., Redfern	336392	Premise Match	138m	North
MOTOR GARAGES & ENGINEERS(M6S6)	Renault (AuSt.) Pty. Ltd., 153 George St. REDFERN	338500	Premise Match	138m	North
MOTOR SPARE PARTS DEALERS-RETAIL (M728)	Renault (Aust.) Pty. Ltd., 153 George St., Redfem.	341983	Premise Match	138m	North
MOTOR CARBURETTOR/TUNING SPECIALISTS (M564)	Renault (Aust.) Pty. Ltd., 153 George St., Redfern	336458	Premise Match	138m	North
MOTOR CAR & TRUCK MFRS./DISTS.(M526)	Renault (Aust.) Pty. Ltd., 153 George St., Redfern	335662	Premise Match	138m	North
TRACTOR IMPORTS.&/OR MFRS.&/OR DISTS.(T550)	Renault (Aust.) Pty. Ltd., 153 George St., Redfern	370500	Premise Match	138m	North
MOTOR CAR/TRUCK IMPORTERS/DISTRIBUTORS (M524)	Renault (Aust.) Pty. Ltd., 153 George St., Redfern.	336394	Premise Match	138m	North
MOTOR CAR/TRUCK DEALERS-NEW/USED (M520)	Renault (Aust.) Pty. Ltd., 153 Goerge St., Redfern,&Branches.	336229	Premise Match	138m	North
MOTOR SPARE PARTS DEALERS-RETAIL (M728)	RENAULT (AUSTRALIA) PTY. LIMITED, 153 GEORGE St., REDFERN, 2016	341984	Premise Match	138m	North
MOTOR PANEL BEATERS (M680)	Eagle Body Works, 154 Regent St., Redfern	340009	Premise Match	138m	North West
MOTOR PAINTERS (M672)	Eagle Body Works, 154 Regent St., Refdern	339266	Premise Match	138m	North West
PIE MAKERS (P368)	Scotts Provisions (Bakery Pty. Ltd.), 172 George St., Redfern	348926	Premise Match	139m	North
MEDICAL PRACTITIONERS (M216)	Guyot,R., 671 Elizabeth St., Waterloo	327032	Premise Match	141m	East
BOTTLE FILLING MACHINERY MFRS&/OR DEALERS (B600)	Ace Manufacturing Co. Pty. Ltd., 216 Wyndham St., Alex.	269352	Premise Match	145m	South West
CHEMICAL MFRS.' MACHINERY-MANUFACTURERS (C272)	Ace Manufacturing Co. Pty. Ltd., 216 Wyndham St., Alex.	279522	Premise Match	145m	South West
CHINA, CROCKERY, CRYSTAL,CUTLERY, EARTHENWARE, GLASSWARE & SILVERWARE DEALERS (C307)	Crown Lynn Potteries (Aust.) Pty. Ltd., C/- Service Transport Co. Pty. Ltd., 216 Wyndham St., Alexandria	281428	Premise Match	145m	South West
MACHINERY MFRS. (M035)	Premier Machine Tool & Die Co. Pty. Ltd., 216 WyndhamSt., Alexandria	324318	Premise Match	145m	South West
BOTTLE FILLING MACHINERY MFRS&/OR DEALERS (B600)	Premier Machine Tool & Die Pty. Ltd., 216 Wyndham St., Alexandria	269359	Premise Match	145m	South West
ENGINEERS-GENERAL &/OR MFRG.&/OR MECHANICAL (E615)	Premier Machine Tool & Die Pty. Ltd., 216 Wyndham St., Alexandria	299530	Premise Match	145m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
COTTON WASTE MERCHANTS (C713)	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	286095	Premise Match	145m	South West
CLEANING CLOTH MFRS. (C389)	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	281887	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS (T285)	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	368411	Premise Match	145m	South West
SECOND-HAND DEALERS (S179)	Textile Raw Materials Pty. Ltd., 216 Wyndham St., Alexandria	360265	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS (W070)	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alex	373170	Premise Match	145m	South West
COTTON WASTE MERCHANTS (C713)	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alex.	286096	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS (T285)	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alexandria.	368412	Premise Match	145m	South West
EXPORTERS (E835)	Textile-Raw Materials Pty. Ltd., 216 Wyodham St Alexandria	301880	Premise Match	145m	South West
MACHINERY VALUATORS (M055)	Binskin, A. W. & Co., 5-7 Henderson Rd., Alexandria	324375	Premise Match	146m	North West
CAFE EQUIPMENT & SUPPLIES (C027)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	275259	Premise Match	148m	North West
ABATTOIRS' MACHINERY SUPPLIES-MANUFACTURERS (A010)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	258341	Premise Match	148m	North West
FOOD PROCESSING MACH. MFRS./DEALERS (F425)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	304918	Premise Match	148m	North West
DAIRY UTENSILS-MANUFACTURERS &/OR DISTRIBUTORS (D050)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	286932	Premise Match	148m	North West
TRUCKS & TROLLEYS-INDUSTRIAL -IMPORTS.&/OR MFRS.(T680)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	371366	Premise Match	148m	North West
WELDERS-ELECTRIC &/OR OXY (W145)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	373789	Premise Match	148m	North West
BAKERS' & PASTRYCOOKS' MACHINERY MFRS., IMP&/OR DISTS (B070)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	264455	Premise Match	148m	North West
BAKERS' & PASTRYCOOKS' SUPPLIES (B075)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	264496	Premise Match	148m	North West
BUTCHERS' SUPPLIES (B864)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	273017	Premise Match	148m	North West
TINSMITHS (T425)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	369160	Premise Match	148m	North West
SHEET METAL WORKERS (S230)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	360671	Premise Match	148m	North West
HOTEL/MOTEL EQUIPMENT/SUPPLIES(H680)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	317019	Premise Match	148m	North West
WIREWORKERS-GENERAL (W365)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	374938	Premise Match	148m	North West
STORE & PACKING ROOM EQUIPMENT MANUFACTURERS&/OR DISTRIBUTORS (S778)	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	366221	Premise Match	148m	North West
SCHOOLS-KINDERGARTEN/DAY NURSERY (S149)	Redfern Day Nursery, 143 Pitt St., Redfern	359693	Premise Match	149m	North
SCHOOLS-KINDERGARTEN/DAY NURSERY (S149)	Sydney Day Nursery (The), 143 Pitt St., Redfern	359714	Premise Match	149m	North

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1970 Business Directory Records Road or Area Matches

Records from the 1970 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
IMPORTERS (I200)	British Automatic Teleric Pty. Ltd.,BotanySt., Redfent	318123	Road Match	0m
SMALLGOODS MANUFACTURERS &/OR WHOLESALERS (S371)	Dandy Bacon & Smallgoods,Phillip St., Redfern.	361955	Road Match	0m
SMALLGOODS MANUFACTURERS &/OR WHOLESALERS (S371)	Dandy Bacon & Smallgoods,Phillip St., Redfern.	361956	Road Match	0m
MOTOR GARAGES & ENGINEERS(M6S6)	McEvoy Street Auto Port,McEvoy St. WATERLOO	338231	Road Match	0m
CONCRETE PRODUCTS MFRS. (C593)	Mineralite (Aust.) Pty. Ltd., 417 George St., Waterloo	285255	Road Match	0m
SMALLGOODS MANUFACTURERS &/OR WHOLESALERS (S371)	N.S.W. Bacon Products Pty. Ltd., Phillip St., Redfern, 2016.	361974	Road Match	0m
ENGINEERS-PRODUCTION (E710)	Roberts Engineering Co., 11 McEvoy St., Waterloo	300569	Road Match	0m
ENGINEERS-REPETITION (E735)	Roberts Engineering Co., 11 McEvoy St., Waterloo	300880	Road Match	0m
INDENTORS/INDENT AGENTS (I230)	British Automatic Teleric Pty. Ltd,BotanySt,Redfern	318942	Road Match	14m
TELECOMMUNICATIONS (T135)	British Automatic Teleric Pty. Ltd.,Botany St., Redfern	367543	Road Match	14m
ENGINEERS-COMMUNICATION (E537)	British Automatic Teleric Pty. Ltd.,BotanySt., Redfern	297644	Road Match	14m
EXPORTERS (E835)	British Automatic Teleric Pty. Ltd.,BotanySt., Redfern	301514	Road Match	14m
INTER-COMMUNICATING SYSTEMS EQUIPMENT DISTRIBUTORS (I600)	British Automatic Teleric Pty. Ltd.,BotanySt., Redfern	320492	Road Match	14m
RADIO TELEATION SPECIALISTS (R055)	British Automatic Teleric Pty. Ltd.,BotanySt., Redfern	354638	Road Match	14m
TELES (T150)	British Automatic Teleric Pty. Ltd.,BotanySt., Redfern	367594	Road Match	14m
FRUIT JUICE EXTRACT MFRS./MERCHANTS IF630l	Orange Spot Pty. Ltd.(The),Botany St., Redfern	306340	Road Match	14m
SCAFFOLDING-MFRS.,HIRERS & ERECTORS (S116)	F.D.T. Pty. Ltd.,George St., Redfern	359369	Road Match	22m
ENGINEERS-FABRICATING (E580)	F.D.T.Pty. Ltd.,George St., Redfern	298492	Road Match	22m
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Smith,C. Service Station,George StREDFERN	341469	Road Match	22m
CARDBOARD BOX & CARTON MANUFACTURERS (C111)	Curtis Packaging Pty. Ltd., Botany Rd., Alexandria	277461	Road Match	59m
PACKAGING/PACKING SPEC. (P 004)	Curtis Packaging Pty. Ltd.,Botany Rd.,Alexandria	345728	Road Match	59m
TYRE DEALERS,RETREADERS & VULCANIZERS (T773)	Uniroyal Tyre Service,Botany Rd.,Alexandria	371770	Road Match	59m
IMPORTERS (I200)	Mar ben Trading Pty. Ltd.,Regent St., Redfern	318535	Road Match	92m
EXPORTERS (E835)	Marben Trading Pty. Ltd Regent St Redfern	301743	Road Match	92m
MERCHANTS-GENERAL (M240)	Marben Trading Pty. Ltd.,Regent St., Redfern	329530	Road Match	92m
CONCRETE-PRE-MIXED SUPPLIERS (C596)	Alex Mixed Concrete Pty. Ltd., Henderson Rd., Alexandria	285305	Road Match	103m
WELDING EQUIPMENT & SUPPLIES MFRS.&/OR DISTS (W155)	Abel Arc Holdings Pty. Ltd.,Buckland St,Alexandria.	374084	Road Match	108m
WELDING MACHINE MFRS. (W160)	Abel Arc Holdings Pty. Ltd.,Buckland St,Alexandria.	374179	Road Match	108m
SPRAYING EQUIPMENT MFRS. &/OR DISTRIBUTORS (S464)	Abel Arc Industries Pty. Limited,Buckland St,Alexandria	363817	Road Match	108m
ENGINEERS-ELECTRICAL (E570)	Abel Arc Industries Pty. Ltd.,Buckland St., Alexandria	298083	Road Match	108m
PRODUCE MERCH.-W'SALE (P858)	Maloney,M. Produce Pty. Ltd,Boundary St,Redfern	352879	Road Match	113m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
SEED MERCHANTS (S182)	Maloney,M. Produce Pty. Ltd.,Boundary St., Redfern	360322	Road Match	113m
RADIO &/OR T.V. COMPONENT PARTS DEALERS (R060)	Arcadian Manufacturing Co. Pty. Ltd., Renwick St., Rdfrn	353983	Road Match	117m
CARRIERS & CARTAGE CONTRACTORS (C150)	Golden Transport Pty. Ltd., Allen St., Waterloo, 2017	278082	Road Match	147m
ROAD TRANSPORT SERVICES-INTERSTATE (R380)	Golden Transport Pty. Ltd., Allen St., Waterloo, 2017	357459	Road Match	147m
ROAD TRANSPORT SERVICES-N.S.W.(R385)	Golden Transport Pty. Ltd., Allen St., Waterloo, 2017	357599	Road Match	147m

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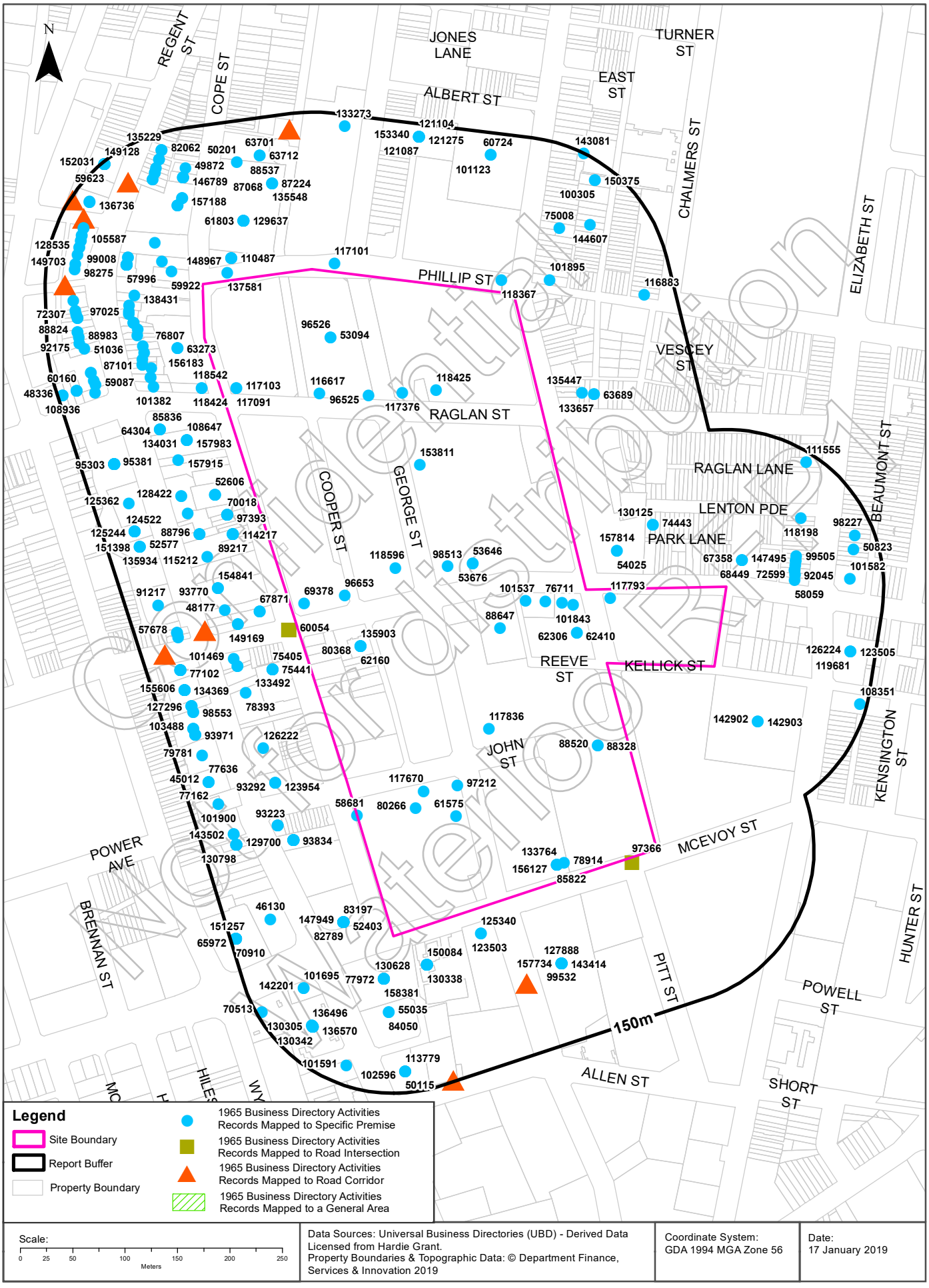
1965 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1965 Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Cardboard Box & Carton Mfrs.	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	62160	Premise Match	0m	Onsite
Embossed Seals & Labels	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	80365	Premise Match	0m	Onsite
Embossing Specialists	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	80368	Premise Match	0m	Onsite
Printers - Letterpress	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	135903	Premise Match	0m	Onsite
Cardboard Box & Carton Mfrs.	Argent Mfrg. Co. Pty. Ltd., 116 Wellington St. Waterloo	62164	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS	Aristotals, P. Antonio's, 212 George St., Waterloo	53094	Premise Match	0m	Onsite
Mixed Businesses	Austin, D., 42 Cooper St., Waterloo, & Branch	116617	Premise Match	0m	Onsite
Sandwich & Luncheon Shops	Bill's Sandwich Bar., 100 Wellington St., Waterloo	141843	Premise Match	0m	Onsite
Electrical Contractors - Licensed Firms	Budge, James Pty. Ltd., 45 McEvoy St., Alexandria	78914	Premise Match	0m	Onsite
Food Processors/Packers	Cahills Quick Freezers Ltd., 248 Pitt St., Waterloo	88328	Premise Match	0m	Onsite
Food - Frozen - Specialists	Cahllis Quick Freezers Ltd., 248 Pitt St., Waterloo	88520	Premise Match	0m	Onsite
Carpet & Floor Covering Planners & Layers	Carpet Cleaners Pty. Ltd., 230-234 Pitt St., Waterloo	62410	Premise Match	0m	Onsite
Carpet Cleaners & Shampooers	Carpet Cleaners Pty. Ltd., 230-234 Pitt St., Waterloo	62306	Premise Match	0m	Onsite
Transport Receiving Depot	Central Tablelands Depot, 255 George St., Redfern	153811	Premise Match	0m	Onsite
Mixed Businesses	Demir, H., 123 Raglan St., Waterloo	117091	Premise Match	0m	Onsite
Mixed Businesses	Dermir, H., 123 Raglan St., Waterloo	117103	Premise Match	0m	Onsite
Hotels - Licensed	Duke of Wellington Hotel, 108 Wellington St., Waterloo	101537	Premise Match	0m	Onsite
Grocers - Retail	George Street Two-Twelve Shop , 212 George St., Waterloo	96526	Premise Match	0m	Onsite
Grocers - Retail	George-Raglan Street Corner., 236 George St., Waterloo	96525	Premise Match	0m	Onsite
Mixed Businesses	Glassby, E., 105 Raglan St., Waterloo	117376	Premise Match	0m	Onsite
Grocers - Retail	Hudson M. , 117 Wellington St., Waterloo	96653	Premise Match	0m	Onsite
Mixed Businesses	John St. "Fifty-Three", 53 John St., Waterloo	117670	Premise Match	0m	Onsite
Butchers - Retail	Lambert, J. , 27 John at., Waterloo	58681	Premise Match	0m	Onsite
Mixed Businesses	Laris, D., 249 Pitt St., Waterloo	117793	Premise Match	0m	Onsite
Mixed Businesses	Lillis, E., 337 George St., Waterloo	117836	Premise Match	0m	Onsite
Footwear Mfrs. - Boots/Shoes	Packard Shoes Pty. Ltd., 110 Wellington St., Waterloo	88647	Premise Match	0m	Onsite
Mixed Businesses	Raglan-Mary Street Store, 101 Raglan St., Waterloo	118425	Premise Match	0m	Onsite
Hotels - Licensed	Rose of Denmark Hotel, Wellington St., Waterloo	101843	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Cake Shops & Pastrycooks	Sally's Cakes , 318 Geprge St., Redfern	61575	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS	Sam, L. , 107 Wellington St., Waterloo	53646	Premise Match	0m	Onsite
Fibreglass Materials - Mats, Wools, Chopped Strand Mats, Rovings, Cloths, Etc. - Mfrs. &/or Importers	Sarlon Industries Pty. Ltd., 47 McEvoy St., Alexandria	85822	Premise Match	0m	Onsite
Fibreglass Products Mfrs. (Moulding, Fabricating, Extrusions, Converting, Etc.)	Sarlon Industries Pty. Ltd., 47 McEvoy St., Alexandria	85897	Premise Match	0m	Onsite
Plastic Goods Manufacturers	Sarlon Industries Pty. Ltd., 47 McEvoy St., Alexandria	133961	Premise Match	0m	Onsite
Packaging/Packing Specialist	Sarlon industries Pty. Ltd., 47 McEvoy St., Alexandria	130329	Premise Match	0m	Onsite
Mixed Businesses	Sciberras, J. & G., 270 George St., Waterloo	118596	Premise Match	0m	Onsite
Hairdressers (Gent.'s)/Tobacconists	Sharpe, E. , 285 George St., Waterloo	98513	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS	Shoemaker de Paris., 107 Wellington St., Waterloo	53676	Premise Match	0m	Onsite
Weavers	Sudan Industries Pty. Ltd., 47 McEvoy St., Alexandria	156127	Premise Match	0m	Onsite
Yarn Mfrs.	Synthetic Yarns Pty. Ltd., 47 McEvoy St., Waterloo	158570	Premise Match	0m	Onsite
Plastic Extruders	Synthetic Yarns Pty. Ltd., 47 McEvoy St., Waterloo	133764	Premise Match	0m	Onsite
Grocers - Retail	Thomas, R." , 69 John St., Waterloo	97212	Premise Match	0m	Onsite
Dyers/Bleachers - Trade	Trade & Carpet Dyeing Co. Pty. Ltd., 102-104 Wellington St., Waterloo	76711	Premise Match	0m	Onsite
Electroplaters	Waratah Electroplating Co. Pty. Ltd., 51 John St., Waterloo	80266	Premise Match	0m	Onsite
Clubs & Sporting Bodies	Waterloo-Alexandria Businessmen's Club Ltd. (The), Cnr. 217 Botany & Wellington Sts., Waterloo	69378	Premise Match	0m	Onsite
Grocers - Wholesale	Group Buyers & Distributors Pty. Ltd., Cnr. McEvoy & Pitt Sts., Waterloo	97366	Road Intersection	5m	South East
Pump Manufacturers &/or Distributors	Vibroflex Pty. Ltd., 125 Botany St., Redfern	137581	Premise Match	7m	North West
Mixed Businesses	De Pasquale, J., 200 George St., Waterloo	117101	Premise Match	8m	North
Hospital Equipment Mfrs. &/or Suppliers	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	100796	Road Intersection	8m	West
Hotel Equipment/Supplies	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	101372	Road Intersection	8m	West
Linen Mfrs., Importers &/or Wholesalers	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	107987	Road Intersection	8m	West
Manchester Manufacturers/Wholesalers	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	109091	Road Intersection	8m	West
Hospital Equipment Imports. &/or Distributors	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	100734	Road Intersection	8m	West
China, Crockery, Crystal, Cutlery, Erthenware, Glassware & Silverware Dealers	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	66080	Road Intersection	8m	West
Café Equipment & Supplies	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	60054	Road Intersection	8m	West
China, & Crockery Mfrs., Imps. &/or Wholesalers	United Linen & Crockery Pty. Ltd., 120 Wellington St., Waterloo	65919	Road Intersection	8m	West
Mixed Businesses	Pitt-Phillip Street Store, 154 Pitt St., Waterloo	118367	Premise Match	11m	North
Mixed Businesses	Raglan-Botany Street Store, 125 Raglan St., Waterloo	118424	Premise Match	17m	North West
Mixed Businesses	Ryan, E. C. , 112 Botany St., Waterloo	118542	Premise Match	17m	North West
Oils - Linseed - Mfrs.	Barnes J. Pty. Ltd., 117-123 Botany St., Waterloo	129688	Premise Match	21m	North West
Meat Canners	Barnes, J. Pty. Ltd., 117-123 Botany St., Waterloo	110487	Premise Match	21m	North West
Meat Extract Mfrs.	Barnes, J. Pty. Ltd., 117-123 Botany St., Waterloo	110581	Premise Match	21m	North West
STOCK FOODS MANUFACTURERS &/OR DISTRIBUTORS	Barnes, James Pty. Ltd., 117-123 Botany St., Waterloo	148967	Premise Match	21m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Motor Garages & Engineers	McEvoy St. Auto Port, Cnr. McEvoy & George St. Waterloo	123503	Premise Match	24m	South
Motor Service Stations - Petrol, Oil, Etc.	McEvoy Street Auto Port, Cnr. McEvoy & George Sts. City of Sydney	125340	Premise Match	24m	South
Weighbridges	Richards, R. Pty. Ltd., 100 Botany St., Waterloo	156183	Premise Match	27m	North West
Carriers & Cartage Contractors	Richards, R. Pty. Ltd., 100 Botany St., Waterloo	63273	Premise Match	27m	North West
Earth-Moving Contractors	Richards, R. Pty. Ltd., 100 Botany St., Waterloo	76807	Premise Match	27m	North West
Clothing Mfrs. &/or W'salers - Knitted Goods	Vie Knit Pty. Ltd., 49 Wellington St., Waterloo	67358	Premise Match	29m	East
Clothing Mfrs. &/or W'salers - Ladies' Dresses & Gowns	Vie Knit Pty. Ltd., 49 Wellington St., Waterloo	67783	Premise Match	29m	East
Clothing Mfrs. &/or W'salers - Sportswear	Vie-Knit Pty. Ltd., 49 Wellington St., Waterloo	68449	Premise Match	29m	East
Clothing Mfrs. &/or W'salers - Ladies' Skirts	Arkabe Pty. Ltd., 168-170 Botany St., Waterloo	67871	Premise Match	29m	West
Clothing Mfrs. &/or W'salers - Sportswear	Arkabe Pty. Ltd., 168-170 Botany St., Waterloo	68262	Premise Match	29m	West
Printers - Letterpress	Nosek, Z. & Co. Pty. Ltd., 170 Botany St., Waterloo	136216	Premise Match	29m	West
STEEL IMPORTERS	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo	148329	Premise Match	31m	West
STEEL MERCHANTS—ALLOY/TOOL STEEL	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo	148377	Premise Match	31m	West
STEEL MERCHANTS—GENERAL	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo	148441	Premise Match	31m	West
Machine Knife Manufacturers	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo	108488	Premise Match	31m	West
Forgings Manufacturers	Bohler Steels Pty. Ltd., 146 Botany St., Waterloo	89217	Premise Match	31m	West
Metal Extrusion Tooling	Bohler Sttels Pty. Ltd., 146 Botany St., Waterloo	114217	Premise Match	31m	West
Biscuit Mfrs. &/or Dists.	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo	51557	Premise Match	31m	West
Condiment Mfrs. &/or Dists.	Solomon, R. & Co. Pty. Ltd., 136-144 Botany St., Waterloo	70018	Premise Match	31m	West
Food Processors/Packers	Solomon, R. & Co. Pty. Ltd., 136-144 Botany St., Waterloo	88387	Premise Match	31m	West
Food Products Mfrs.	Solomon, R. & Co. Pty. Ltd., 136-144 Botany St., Waterloo	88474	Premise Match	31m	West
Macaroni Manufacturers	Solomon, R. & Co. Pty. Ltd., 136-144 Botany St., Waterloo	108485	Premise Match	31m	West
Grocers - Wholesale	Solomon, R. & Co. Pty. Ltd., 136-144 Botany St., Waterloo	97393	Premise Match	31m	West
Cabinetmakers	Invincible Cabinet Pty. Ltd. (Plant 2)., 82 Botany St., Waterloo	59922	Premise Match	32m	North West
Drawing Office Supplies	S.D.S Printing Pty. Ltd., 176 Botany St., Waterloo	75441	Premise Match	35m	South West
Blue Printers	S.D.S. Printing Pty. Ltd., 176 Botany St., Waterloo	51953	Premise Match	35m	South West
Plan Printers	S.D.S. Printing Pty. Ltd., 176 Botany St., Waterloo	133492	Premise Match	35m	South West
Draughtsmen	Sydney Drafting & Service Pty. Ltd., 176 Botany St, Waterloo	75405	Premise Match	35m	South West
Engineers - Consulting	Sydney Drafting Service Pty. Ltd., 176 Botany St., Waterloo	81178	Premise Match	35m	South West
Box & Case Merchants &/or Mfrs.	White Case Co. , 245-247 Pitt St., Waterloo	54025	Premise Match	36m	East
Wood Wool	White Case Ltd.Co. , 245-247 Pitt St., Waterloo	157814	Premise Match	36m	East
Hat Manufacturers' Supplies	Hat Accessories, 54 McEvoy St., Waterloo	99745	Premise Match	36m	South
Hat & Cap Manufacturers &/or Wholesalers	Hat Accessories, 54 McEvoy St., Waterloo	99721	Premise Match	36m	South
Hat Band Manufacturers	Hat Accessories, 54 McEvoy St., Waterloo	99739	Premise Match	36m	South
Hat Band Manufacturers	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo	99740	Premise Match	36m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TAPE—TEXTILE—MFRS./W'SALERS	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo	150077	Premise Match	36m	South
Ribbon Manufacturers	Hat Bands Pty. Ltd., 54 McEvoy St., Waterloo	140666	Premise Match	36m	South
Haberdashery - Wholesale	Hatbands Pty. Ltd., 54 McEvoy St., Waterloo	97650	Premise Match	36m	South
Plastic Fabricators & Vacuum Formers	Plastic Associates, 54 McEvoy St., Waterloo	133807	Premise Match	36m	South
Packaging/Packing Specialist	Tapex Pty. Ltd., 54 McEvoy St., Waterloo	130338	Premise Match	36m	South
TAPE—TEXTILE—MFRS./W'SALERS	Tapex Pty. Ltd., 54 McEvoy St., Waterloo	150084	Premise Match	36m	South
TAPE—TYPING—MFRS./W \SALERS	Tapex Pty. Ltd., 54 McEvoy St., Waterloo	150091	Premise Match	36m	South
Paper Rulers/Binders	Bragg, E. & Sons Pty. Ltd., 130-134 Botany St., Waterloo	131693	Premise Match	36m	West
BOOKBINDERS	Bragg, E. & Sons Pty. Ltd., 130-134 Botany St., Waterloo	52582	Premise Match	36m	West
Printers - Letterpress	Bragg, Edgar & Sons Pty. Ltd., 130-134 Botany St., Waterloo	135958	Premise Match	36m	West
BOOKBINDERS	Hayles Bookbinding Service, 130-134 Botany St., Waterloo	52606	Premise Match	36m	West
Hotels - Licensed	Somerset Hotel, 191 Pitt St., Redfern	101895	Premise Match	37m	North
Poultry Dealers - Retail	Downes Butchery., 71 Raglan St., Waterloo & Branch	135447	Premise Match	41m	North East
Paint - Dry Colours/Pigment - Manufacturers/Distributors	Bryce, R. & Co. Ltd., 183 Botany Rd., Waterloo	130415	Premise Match	42m	South
Paint, Solvent/Thinner Manufacturers	Bryce, R. & Co. Ltd., 183 Botany Rd., Waterloo	130628	Premise Match	42m	South
Importers	Bryce, R. & Co. Ltd., 183 Botany Rd., Waterloo	102384	Premise Match	42m	South
Bentonite Distributors	Bryce, R. & Co. Ltd., 183 Botany Rd., Waterloo	51504	Premise Match	42m	South
Dry Cleaning Machinery & Supplies - Mfrs. &/or Dists.	Bryce, R. & Co. Ltd., 183 Botany Rd., Waterloo	76394	Premise Match	42m	South
Electric Motors - Dealers &/or Wholesalers	Bryce, R. & Co. Ltd., 183 Botany Rd., Waterloo	77972	Premise Match	42m	South
Agricultural Chemicals - Importers &/or Dists.	Bryce, Robert & Co. Ltd., 183 Botany Rd., Waterloo	45307	Premise Match	42m	South
Chemical Importers &/or Distributors	Bryce, Robert & Co. Ltd., 183 Botany Rd., Waterloo	63981	Premise Match	42m	South
WOOLLEN MILLS SUNDRIES & SUPPLIES.	Bryce, Robert & Co. Ltd., 183 Botany Rd., Waterloo	158381	Premise Match	42m	South
Plastic Goods Importers & Distributors	Garrett, M. & Co. Pty. Ltd., 83 McEvoy St., Waterloo	133832	Premise Match	42m	South
Importers	Garrett, M. & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	102544	Premise Match	42m	South
Plastic Manufacturers - Sheeting	Garrett, Max & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	134173	Premise Match	42m	South
Plastic Manufacturers Materials Suppliers	Garrett, Max & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	134238	Premise Match	42m	South
STEAM GENERATOR MFRS.	Presha Engineering (N.S.W) Pty. Ltd., 171 Botany Rd., Waterloo	147935	Premise Match	42m	South
Boiler Inspectors	Presha Engineering (N.S.W,) Pty. Ltd., 171 Botany Rd., Waterloo	52279	Premise Match	42m	South
Boiler Repairers/Servicemen	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	52291	Premise Match	42m	South
Engineers - Hot Water, Heating/Ventilating	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	83197	Premise Match	42m	South
Engineers - Steam	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	84210	Premise Match	42m	South
Engineers General &/or Mfrg. &/or Mechanical	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	82789	Premise Match	42m	South
STEAM PLANT EQUIPMENT MFRS. &/OR DISTS.	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	147949	Premise Match	42m	South
STEAM PLANT INSTALLATION SPECIALISTS	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	147963	Premise Match	42m	South
STEEL FABRICATORS	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	148236	Premise Match	42m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEAM GENERATOR IMPORTERS	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	147931	Premise Match	42m	South
BOILERMAKERS	Presha Engineering (N.S.W.) Pty. Ltd., 171 Botany Waterloo	52403	Premise Match	42m	South
Engineers - Consulting	Presha Engineering Co. (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	81156	Premise Match	42m	South
Furnishing - Soft - Retail	Standard Furniture Co. Pty. Ltd., Botany Rd. & McEvoy St., Waterloo	92800	Premise Match	42m	South
Furniture - Household - Retailers	Standard Furniture Co. Pty. Ltd., Cnr. Botany Rd. & McEvoy St., Waterloo	93644	Premise Match	42m	South
Motor Service Stations - Petrol, Oil, Etc.	Super Service Station, 181 Botany Rd. Waterloo	126223	Premise Match	42m	South
Welding Equipment & Supplies Mfrs. &/or Dists.	Weldex Pty. Ltd., 183 Botany Rd., Waterloo	157016	Premise Match	42m	South
Furniture - Occasional - Mfrs. &/or Wholesalers	Seymour, F. & Sons Pty. Ltd., 80 Botany St., Waterloo	93909	Premise Match	44m	North West
Woodworking Machinery Dealers - Second-Hand	Skinner, J. Pty Ltd., 59-63 Botany Rd., Waterloo	157983	Premise Match	45m	North West
Sheet Metal Workers Machinery - Mfrs. &/or Merchants	Skinner, J. Pty. Ltd., 59-63 Botany Rd., Waterloo	144115	Premise Match	45m	North West
Machinery Dealers - Secondhand	Skinner, J. Pty. Ltd., 59-63 Botany Rd., Waterloo	108647	Premise Match	45m	North West
Electric Motors - Dealers &/or Wholesalers	Skinner, J. Pty. Ltd., 59-63 Botany Rd., Waterloo	78025	Premise Match	45m	North West
Plastic Converters	Cello Pack Pty. Ltd., 67 Raglan St., Waterloo	133657	Premise Match	52m	North East
Cellulose Bag & Wrapper Mfrs. &/or Suppliers	Cello-Pack Pty. Ltd., 67 Raglan St., Waterloo	63689	Premise Match	52m	North East
OPTICAL SUPPLIES - MFRG &/OR WHOLESALE	Sun-Art Pty. Ltd., 129 Wellington St., Waterloo	129785	Premise Match	53m	West
SUNGLASSES—MFRS.	Sun-Art Pty. Ltd., 129 Wellington St., Waterloo	149169	Premise Match	53m	West
TALLOW MERCHANTS &/OR REFINERS	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	149915	Premise Match	55m	North West
Oils-Edible -Merchants	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	129637	Premise Match	55m	North West
Canners & Canned Food Specialists	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	61803	Premise Match	55m	North West
Coconut Oil & Meal Mfrs.	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	69474	Premise Match	55m	North West
Food Products Mfrs.	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	88401	Premise Match	55m	North West
Margarine Manufacturers &/or Distributors	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	110160	Premise Match	55m	North West
Meat Exporters	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	110516	Premise Match	55m	North West
Chemists - Pharmaceutical	Kirby, M. C., 43 Botany Rd., Waterloo	65221	Premise Match	57m	North West
Cafes, Tea Rooms, Coffee Lounges, Etc.	Angelo's Cafe & Milk Bar , 35 Botany Rd., Waterloo	60086	Premise Match	59m	North West
Cafes, Tea Rooms, Coffee Lounges, Etc.	Canton Café, 37 Botany Rd., Waterloo	60193	Premise Match	59m	North West
Woodworkers/Turners	Wadds, M. J. , 65 Botany Rd., Waterloo	157915	Premise Match	59m	North West
ORNAMENTAL METAL WORKERS	Peters & Bryant, 14-16 Lenton Pde., Waterloo	130125	Premise Match	60m	East
Display Fittings - Mfrs. &/or Suppliers	Peters & Bryant, 14-16 Lenton Pde., Waterloo	74443	Premise Match	60m	East
Hotels - Licensed	Abbotts Hotel, 47 Botany Rd., Waterloo	101382	Premise Match	60m	North West
Hotels - Licensed	Clifton Hotel, 1 Botany Rd., Waterloo	101485	Premise Match	60m	North West
Butchers - Retail	Greenfield, J. and Son., 45 Botany Rd., Waterloo	58403	Premise Match	60m	North West
Butchers - Retail	Mickey's leathery., 45 Botany Rd., Waterloo	58858	Premise Match	60m	North West
Furniture - Lounge Suites - Mfrs. &/or W'Salers	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	93770	Premise Match	61m	West
Upholsterers	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	154841	Premise Match	61m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Upholsterers - Mfrg.	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	155001	Premise Match	61m	West
Milk, Fruit Juice Bars/Confectioners	Lang, K. & P., 101 Botany Rd., Waterloo	115212	Premise Match	61m	West
Associations & Societies	South Sydney Homing Pigeon Soc.., 117 Botany Rd., Waterloo	48177	Premise Match	61m	West
Fruiterers & Greengrocers	Khoury, N. M. , 39 Botany Rd., Waterloo	91519	Premise Match	62m	North West
Footwear Mfrs. - Sandals	"Verka" Shoe Co., 87 Botany Rd., Waterloo	88796	Premise Match	62m	West
Footwear Mfrs. - Boots/Shoes	"Verka" Shoe Co., 87 Botany Rd., Waterloo	88674	Premise Match	62m	West
Paint, Varnish, Oils/Colour Merchants	Lincoln & Grimshaw Pty. Ltd., 89-91 Botany Rd , Waterloo	130931	Premise Match	62m	West
Radio &/Or Television Sakes & Servicemen	Commodore T.V. Service Pty. Ltd., 31 Botany Rd. Waterloo	138432	Premise Match	63m	North West
Fruiterers & Greengrocers	"Thirty-Three" Fruit Store (The) , 33 Botany Rd., Waterloo	92246	Premise Match	64m	North West
Grocers - Retail	Shugg's Self-Service., 41 Botany Rd., Waterloo	97129	Premise Match	64m	North West
Fish Merchants - Retail	Stan's Fish Shop, 41 Botany Rd., Waterloo	87101	Premise Match	64m	North West
Butchers - Retail	Clancy, Jim., 703 Elizabeth St., Waterloo	58059	Premise Match	65m	East
Radio &/Or Television Sakes & Servicemen	Baker, Davies & Co. , 13 Botany Rd. Waterloo	138431	Premise Match	65m	North West
Furniture - General - Mfrs. &/or Wholesalers	Berta Chrome Furniture Pty. Ltd., 167-171 Botany Rd., Waterloo	93210	Premise Match	65m	South West
Furniture - Garden & Ornamental - Mfrs. &/or Wholesalers	Betta Chrome Furniture Ltd., 167-171 Botany Rd., Waterloo	93161	Premise Match	65m	South West
Furniture - Contemporary - Mfrs. &/or Wholesalers	Betta Chrome Furniture Ltd., 167-171 Botany Rd., Wtloo	92971	Premise Match	65m	South West
Furniture - Bedroom - Mfrs. &/or Wholesalers	Betta Chrome Furniture Pty. Ltd., 167-171 BoCany Rd., Waterloo	92829	Premise Match	65m	South West
Furniture - Fold/Canvas - Mfrs. Wholesalers	Betta Chrome Furniture Pty. Ltd., 167-171 Botany Rd., Waterloo	93102	Premise Match	65m	South West
Furniture - Office - Mfrs. &/or Wholesalers	Betta Chrome Furniture Pty. Ltd., 167-171 Botany Rd., Waterloo	93925	Premise Match	65m	South West
Furniture - Occasional - Mfrs. &/or Wholesalers	Betta Chrome Furniture Pty. Ltd., 167-171 Botany Rd., Waterloo	93865	Premise Match	65m	South West
Furniture & Furnishings	Betta Chrome Furniture Pty. Ltd., 167-171 Botany Rd., Waterloo	93121	Premise Match	65m	South West
Upholsterers	Betta Chrome Furniture Pty. Ltd., 167-171 Botany Rd., Waterloo	154852	Premise Match	65m	South West
Furniture Repairers/Remodellers	Betta Chrome Furniture Pty. Ltd., 167-171 Botany Road, Waterloo	94233	Premise Match	65m	South West
Furniture - Nursery - Mfrs. &/or Wholesalers	Dixie Cot Company Pty. td.., 167-171 Botany Ref., Waterloo	93834	Premise Match	65m	South West
Furniture - General - Mfrs. &/or Wholesalers	Dixon Cot Company Pty. Ltd., 167-171 Botany Rd., Waterloo	93239	Premise Match	65m	South West
Fruiterers & Greengrocers	Ruggero, J., 701 Elizabeth St., Waterloo	92045	Premise Match	66m	East
Motor Service Stations - Petrol, Oil, Etc.	Alexandria Auto Fort, 143-159 Botany Rd. Waterloo	126222	Premise Match	66m	South West
Electric Tools (Portable) Mfrs. &/or Dists.	Black & Decker (A/asia) Pty. Ltd., 133 Botany Rd., Waterloo	78393	Premise Match	66m	South West
Motor Garages & Engineers	Hawxwell & Janes Pty. Ltd., 165 Botany Rd. Waterloo	123501	Premise Match	66m	South West
Motor Painters	Hawxwell and Jones Pty. Ltd., 165 Botany Rd., Waterloo	123954	Premise Match	66m	South West
Furniture - General - Mfrs. &/or Wholesalers	Kafka, P. E. , 161 Botany Rd., Waterloo	93292	Premise Match	66m	South West
Confectioners - Retail	Abood, J., 81 Botany Rd., Waterloo	70104	Premise Match	66m	West
Electrical Supplies/Appliances Retailers	Baker-Davis & Co. Pty. Ltd., 125 Botany St., Waterloo	79300	Premise Match	66m	West
Wool Brokers	Douglas, J. K. Futures Trading Pty. Ltd., 125 Botany St., Waterloo	158000	Premise Match	66m	West
DELICATESSENS	"Popular" (The), 699 Elizabeth St., Waterloo	72599	Premise Match	67m	East

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DELICATESSENS	Paull, M., 699 Elizabeth St., Waterloo	72567	Premise Match	67m	East
Fibreglass Products Mfrs. (Moulding, Fabricating, Extrusions, Converting, Etc.)	Australian Fibre Plastic Industries Pty. Ltd., 55 Botany Rd., Waterloo	85836	Premise Match	67m	North West
Chemical Mfrs.' Machinery - Manufacturers	Australian Fibre Plastic Industries Pty. Ltd., 55 Botany Rd., Waterloo	64304	Premise Match	67m	North West
Acid Tank Mfrs.	Australian Fibre Plastic Industries Pty. Ltd., 55 Botany Rd., Waterloo	44409	Premise Match	67m	North West
Plastic Manufacturers &/or Moulders	Australian Fibre Plastic Industries Pty. Ltd., 55 Botany Rd., Waterloo	134031	Premise Match	67m	North West
Butchers - Retail	Barrett Bros.., 29a Botany Rd., Waterloo	57864	Premise Match	67m	North West
Cake Shops & Pastrycooks	Nice Cakes., 29a Botany Rd., Waterloo	61290	Premise Match	67m	North West
Cake Shops & Pastrycooks	Nice Cakes., 29a Botany Rd., Waterloo	61451	Premise Match	67m	North West
Butchers - Retail	Young, S. H. , 29a Botany Rd., Waterloo & Branch	59592	Premise Match	67m	North West
Schools/Colleges - Private/Public	St. Carmel Girls' & Infants' Convent School., Kellick St., Waterloo	142902	Premise Match	67m	South East
Schools/Colleges - Private/Public	St. Carmel Patrician Bros' Boys' School., Elizabeth St. Waterloo	142903	Premise Match	67m	South East
Hotels - Licensed	Cauliflower Hotel, 123 Botany Rd., Waterloo	101469	Premise Match	67m	West
Newsagents	Richards, R. & J., 75 Botany Rd., Waterloo	128422	Premise Match	67m	West
Motor Garages & Engineers	Total Service Station, 69-83 Botany Rd. Waterloo	123504	Premise Match	67m	West
Fish Merchants - Retail	South Sydney Seafoods, 697 Elizabeth St., Waterloo	87092	Premise Match	69m	East
STATIONERS—RETAIL	Gray, H. & M. (Cards) , 695 Elizabeth St., Waterloo	147495	Premise Match	71m	East
Newsagents	Gray, H. & M., 695 Elizabeth St., Waterloo	128184	Premise Match	71m	East
Dry Cleaners, Pressers/Dyers	Anthony, George, 23 Botany Rd., Waterloo	76065	Premise Match	71m	North West
Grocers - Retail	Prince's Grocery., 27 Botany Rd., Waterloo	97025	Premise Match	71m	North West
Hairdressers (Gent.'s)/Tobacconists	Waterloo Barber., 25 Botany Rd., Waterloo	98637	Premise Match	71m	North West
Hardware Dealers &/or Iron Mongers	Upward, E. & F., 693 Elizabeth St. Waterloo	99505	Premise Match	73m	East
Builders & Contractors - (M.M.B.A.)	Lysaght, J. (Aust.) Pty. Ltd., 189 Botany Rd, Waterloo	55035	Premise Match	73m	South
Engineers - Repitition	Nettlefolds Pty. Ltd., 189 Botany Rd., Waterloo	84050	Premise Match	73m	South
Welders - Electric &/or Oxy	Barnes, Moore & Ltd.Co. , 7 Botany St., Redfern	156260	Premise Match	74m	North West
Sheet Metal Workers	Barnes, Moore and Co. , 7 Botany St., Redfern	143845	Premise Match	74m	North West
Hospital Equipment Mfrs. &/or Suppliers	Barnes, Moore and Co.., 7 Botany St., Redfern	100745	Premise Match	74m	North West
Engineers - Hot Water, Heating/Ventilating	Brown, R. & Co. Pty. Ltd., 7 Botany St., Redfern	83124	Premise Match	74m	North West
Butchers - Retail	Caldwell, L. J. , 7 Botany Rd., Waterloo	57996	Premise Match	74m	North West
BOOT & SHOE REPAIRERS	Fourtounis, D., 11 Botany Rd., Waterloo	53278	Premise Match	74m	North West
Butchers - Retail	Jackson, Allan., 7 Botany Rd., Waterloo	58584	Premise Match	74m	North West
Milk, Fruit Juice Bars/Confectioners	Quayle, B., 9 Botany Rd., Waterloo	115504	Premise Match	74m	North West
Dress Fabric Retailers	Redfern Bargain Store, 5a Botany Pd., Waterloo	75617	Premise Match	74m	North West
Seed Merchants	Redfern Produce & Seed Merchants Pty. Ltd., 9-11 Botany St., Redfern	143602	Premise Match	74m	North West
Plumbers, Gasfitters/Drainlayers	Brown, R. & Co. Pty. Ltd., 7 Botany St., Redfern	134822	Premise Match	75m	North West
Drapers - Retail	Redfern Bargain Store, 5a Botany Rd., Waterloo	75261	Premise Match	75m	North West
Fruiterers & Greengrocers	Vincem Fruit Palace., 5 Botany Rd., Waterloo	92331	Premise Match	75m	North West

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Nail/Staple Mfrs.	Australian Wire Mills Pty. Ltd., 40 McEvoy St., Waterloo	127888	Premise Match	75m	South
Wireworkers - General	Cooke, Sidney Fasteners Pty, Ltd., 40 McEvoy St., Waterloo	157734	Premise Match	75m	South
Screw - Wood - Mfrs.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St.,	143420	Premise Match	75m	South
Screws - Metal Thread - Mfrs. &/or Dist.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	143392	Premise Match	75m	South
Rivet Manufacturers	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	140698	Premise Match	75m	South
Nail/Staple Mfrs.	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	127890	Premise Match	75m	South
Washer Manufacturers	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	155804	Premise Match	75m	South
Hardware Manufacturers	Cooke, Sidney Fasteners Pty. Ltd., 40 McEvoy St., Waterloo	99532	Premise Match	75m	South
Milk, Fruit Juice Bars/Confectioners	Kia-Ora Industries Ltd., 40-44 McEvoy St., Alexandria	115187	Premise Match	75m	South
Screws - Metal Thread - Wood - Set & Self Tapping Mfrs.	Sidney Cooke Fasteners Pty. Ltd., 40-46 McEvoy St., Waterloo	143414	Premise Match	75m	South
Nail/Staple Mfrs.	Sydney Cooke Fasteners Pty. Ltd., 40-46 McEvoy St., Waterloo	127894	Premise Match	75m	South
Drapers - Retail	Doyle, A., 175 Pitt St., Redfern	75008	Premise Match	76m	North
Furniture - Tubular Steel - Mfrs. &/or W'Salers	Bette Chrome Furniture Pty. Ltd., 167 Botany Rd., Waterloo	94252	Premise Match	76m	South West
Furniture - General - Mfrs. &/or Wholesalers	Chief Wholesalers Pty, Ltd., 1 John St., Waterloo	93223	Premise Match	76m	South West
Furniture - Tubular Steel - Mfrs. &/or W'Salers	Chief Wholesalers Pty. Ltd., 1 John St., Waterloo	94254	Premise Match	76m	South West
STATIONERS-WHOLESALE	Cumberland Stationery Co. (The) , 68-70 Botany St., Redfern	147820	Premise Match	78m	North West
Photo Albums/Accessories Manufacturers	Cumberland Stationery Co. (The), 68-70 Botany St., Redfern	132150	Premise Match	78m	North West
Leather Goods Mfrs. &/or Wholesalers	Cumberland Stationery Co. (The), 68-70 Botany St., Redfern	107486	Premise Match	78m	North West
Plastic Goods Manufacturers	Cumberland Stationery Co. (The), 66-70 Botany St., Redfern	133886	Premise Match	84m	North West
Chair Manufacturers	Hare & Murray Pty. Ltd., 66 Botany St., Redfern	63881	Premise Match	84m	North West
Window Frame Mfrs.	Hire & Murray Pty. Ltd., 66 Botany St., Redfern	157188	Premise Match	84m	North West
Poultry Dealers - W'Sale	Sanford, G. K. Pty. Ltd., 146 Renwick St., Redfern	135548	Premise Match	86m	North West
Fish Merchants - W'sale	Sanford, G. K. Pty. Ltd., 146 Renwick St., Redfern	87224	Premise Match	86m	North West
Food - Frozen - Specialists	Sanford, G. K. Pty. Ltd., 146 Renwick St., Redfern	88537	Premise Match	86m	North West
Fish Merchants - Retail	Sanford, G. K., 146 Renwick St., Redfern	87068	Premise Match	86m	North West
Mixed Businesses	Niccolous, N, & M., 673-675 Elizabeth St., Waterloo	118198	Premise Match	96m	East
SHOP/OFFICE FITTERS	Graham & Pinder, 44 Douglass St., Redfern	144607	Premise Match	98m	North
Hotels - Licensed	Iron Duke Hotel, 220 Botany Rd., Alexandria	101695	Premise Match	99m	South
Sandwich & Luncheon Shops	T. & S. (Gibson) Canteen., 62 McEvoy St., Alexandria	142201	Premise Match	99m	South
Motor Painters	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern	124309	Premise Match	103m	North West
Motor Panel Beaters	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern	125081	Premise Match	103m	North West
Motor Body Repairs/Converters	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern	120245	Premise Match	103m	North West
Motor Garages & Engineers	Town Auto Repairs, 60 Botany St. Redfern	123288	Premise Match	103m	North West
Motor Body Builders	Town Auto Repairs, 60 Botany St., Redfern	120033	Premise Match	103m	North West
SPRAYERS ---INDUSTRIAL	Town Auto Repairs. , 60 Botany St., Redfern	146789	Premise Match	103m	North West
Amusements	Alexandria Table Tennis Club., 206 Botany Rd., Alexandria	46130	Premise Match	108m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Jewellers/Watchmakers - Retail	Broadbent, George, 193 Regent St., Redfern	105889	Premise Match	111m	North West
Battery Service Stations	Hy-Beam Electric Pty. Ltd., 95 Botany St., Redfern	50201	Premise Match	111m	North West
Electrical Supplies/Appliances Retailers	Watson, R. J. Pty. Ltd., 193 Regent St. Redfern	79717	Premise Match	111m	North West
Real Estate Agents/Valuers	Silver & Co. , 130 Botany Rd. Alexandria	138882	Premise Match	111m	West
Insurance Agents	Silver & Co., 130 Botany Rd., Alexandria	104537	Premise Match	111m	West
Business Agents &/or Brokers	Sliver & Co. , 130 Botany Rd., Alexandria	57678	Premise Match	111m	West
Cafes, Tea Rooms, Coffee Lounges, Etc.	Time To Eat (& Sandwiches) , 132 Botany Rd., Alexandria	60877	Premise Match	111m	West
Bath & Sink Heater Repairs	Mathias & Co. , 56 Botany St., Redfern	49872	Premise Match	112m	North West
Butchers - Retail	Phillips, A. F. , 54 Botany Rd., Alexandria	59087	Premise Match	112m	North West
Second - Hand Dealers	Bargain King (The) (Clothing)., 50 Botany Rd., Alexandria	143436	Premise Match	113m	North West
Chemists - Pharmaceutical	Korrs' Pharmacy, 52 Botany Rd., Alexandria	65225	Premise Match	113m	North West
Real Estate Agents/Valuers	Parsieglo, K. H. , 50 Botany Rd. Alexandria	138881	Premise Match	113m	North West
Cellulose Box Mfrs.	Best Pack Pty. Ltd., 138 Renwick St., Redfern	63701	Premise Match	114m	North West
Cellulose Packaging Specs.	Best Pack Pty. Ltd., 138 Renwick St., Redfern	63712	Premise Match	114m	North West
Beauty Salons &/or Ladies Hairdressers	"Norlee" Salon., 42 Botany Rd., Alexandria	51036	Premise Match	115m	North West
Hotels - Licensed	Cricketers' Arms Hotel, 56-58 Botany Rd., Alexandria	101506	Premise Match	115m	North West
Poultry Dealers - Retail	Haywood, W. , 191 Regent St., Redfern	135460	Premise Match	115m	North West
DANCING TEACHERS & STUDIOS	Haywood's (Miss) School of Dancing, 191 Regent St., Redfern	71717	Premise Match	115m	North West
Paper Container Manufacturers	Modern Packages Pty. Ltd., 222 Botany Rd., Alexandria	131514	Premise Match	116m	South
Printers - Letterpress	Modern Packages Pty. Ltd., 222 Botany Rd., Alexandria	136193	Premise Match	116m	South
Labels - General	Modern Packages Pty. Ltd., 222-244 Botany Rd., Alex	106887	Premise Match	116m	South
Packaging/Packing Specialist	Modern Packages Pty. Ltd., 222-244 Botany Rd., Alexandria	130305	Premise Match	116m	South
Printers - Lithographic	Modern, Packages Pty. Ltd., 222-224 Botany Rd., Alex	136496	Premise Match	116m	South
Packaging/Packing Specialist	View Packs Pty. Ltd., 222 Botany Rd., Alexandria	130342	Premise Match	116m	South
Plastic Fabricators & Vacuum Formers	Viewpacks Pty. Ltd., 222 Botany Rd., Alexandria	133818	Premise Match	116m	South
Packaging/Packing Specialist	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	130344	Premise Match	116m	South
Cardboard Box & Carton Mfrs.	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alex.	62225	Premise Match	116m	South
Printers - Lithographic	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	136570	Premise Match	116m	South
Printers - Letterpress	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	136380	Premise Match	116m	South
Motor Service Stations - Petrol, Oil, Etc.	Waterloo Auto Port (Neptune), 74-82 Botany Rd. Alexandria	125362	Premise Match	117m	West
Hotels - Licensed	George Hotel (The), 760 Elizabeth St., Waterloo	101582	Premise Match	118m	East
Financiers/Finance Agents	A. & P. Products Pty. Ltd., 186 Botany St., Waterloo	86190	Premise Match	118m	South West
Hardware Dealers/Ironmakers	Crown Lubricants & Manufacturing Co. , 186-190 Botany Rd. Alexandria	99007	Premise Match	118m	South West
SOAP MFRS.—LIQUID	Crown Lubricants & Manufacturing Co. , 186-190 Botany Rd., Alexandria	145275	Premise Match	118m	South West
Painter' Supplies/Requisites	Crown Lubricants & Manufacturing Co., 186.190 Botany Rd., Alexandria	131371	Premise Match	118m	South West
Paint, Varnish, Oils/Colour Merchants	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	130798	Premise Match	118m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Packaging/Packing Specialist	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	130271	Premise Match	118m	South West
Motor Oil/Grease Mfrs.	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	123636	Premise Match	118m	South West
Disinfectant Mfrs. &/or Dists.	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	74333	Premise Match	118m	South West
Oils - Lubricating - Merchants	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd.,Alexandria	129700	Premise Match	118m	South West
Second - Hand Dealers	Kin Lock, S.H.., 184 Botany Rd., Alexandria	143502	Premise Match	118m	South West
Feather Duster Mfrs. &/or Dist.	Kin-Lock, S. H., 184 Botany Rd., Alexandria	85579	Premise Match	118m	South West
Footwear Retailers	"Ida" Shoe Store, 38 Botany Rd., Alexandria	88983	Premise Match	119m	North West
Gift Shops	Remm's Gifts., 189 Regent St., Redfern	95037	Premise Match	119m	North West
Fruiterers & Greengrocers	Sue Sun., 40 Botany Rd., Alexandria	92175	Premise Match	119m	North West
Sandwich & Luncheon Shops	Freshly-Cut Sandwiches., 146 Botany Rd., Alexandria	141954	Premise Match	119m	South West
Motor Garages & Engineers	Precision Motor Engineering Co., 144 Botany Rd. Alexandria	122086	Premise Match	119m	South West
Hairdressers (Gent.'s)/Tobacconists	Style Cutting Barber., 148 Botany Rd., Alexandria	98553	Premise Match	119m	South West
Motor Body Repairs/Converters	Summer Motors, 144 Botany Rd., Alexandria	120234	Premise Match	119m	South West
Motor Panel Beaters	Summer Motors, 144 Botany Rd., Alexandria	125043	Premise Match	119m	South West
Motor Painters	Summer Motors, 144 Botany Rd., Alexandria	124274	Premise Match	119m	South West
Motor Trimmers	Summer Motors, 144 Botany Rd., Alexandria	127296	Premise Match	119m	South West
Metal Merchants	Landow Bros., 6 Henderson Rd., Alexandria	114268	Premise Match	119m	West
Lead Merchants/Suppliers	Landow Bros., 6 Henderson Rd., Alexandria	107390	Premise Match	119m	West
Scrap Metal Merchants	Landow Bros.., 6 Henderson Rd., Alexandria	143236	Premise Match	119m	West
Furniture/Cabinet Makers' Hardware Mfrs.	Lock Lee & Co. , 136 Botany Rd., Alexandria	92896	Premise Match	119m	West
Upholsterers	Lock Lee & Co., 134-136 Botany Rd., Alexandria	154925	Premise Match	119m	West
Furniture - Bedroom - Mfrs. &/or Wholesalers	Lock, Lee & Co. , 136 Botany Rd., Alexandria	92851	Premise Match	119m	West
Furniture - Office - Mfrs. &/or Wholesalers	Lock, Lee & Co. , 136 Botany Rd., Alexandria	93975	Premise Match	119m	West
Furniture - Occasional - Mfrs. &/or Wholesalers	Lock, Lee & Co. , 136 Botany Rd., Alexandria	93890	Premise Match	119m	West
Furniture - General - Mfrs. &/or Wholesalers	Lock, Lee & Co. , 136 Botany Rd., Alexandria	93302	Premise Match	119m	West
Eastern Goods Merchants	Lock, Lee & Co., 136 Botany Rd., Alexandria	77102	Premise Match	119m	West
Mirror Manufacturers	Vetro Glass Ca. Pty. Ltd., 627-74 Botany Rd., Alexandria	116434	Premise Match	119m	West
Glass Merchants	Vetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	95303	Premise Match	119m	West
Glass Bevellers/Cutters	Vetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	95155	Premise Match	119m	West
Glaziers	Vetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	95451	Premise Match	119m	West
Glassware & Crystalware Imports. &/or W'Salers	Vetro Glass Co. Pty. Ltd., 62-74 Botany Rd., Alexandria	95372	Premise Match	119m	West
Glassware/Crystalware Mfrs.	Vetro Glass Co. Pty. Ltd., 62-74 Botany Rd., Alexandria	95381	Premise Match	119m	West
Builders' Suppliers	Vetro Glass Co. Pty. Ltd., 62-74 Botany Rd., Alexandria	56388	Premise Match	119m	West
SHOP/OFFICE FITTERS	Vetro Glass Co. Pty. Ltd/., 62-72 Botany Rd., Alexandria	144684	Premise Match	119m	West
Glass Brikc Mfrs. &/or Dists.	Yetro Glass Co. Pty. Ltd., 62-72 Botany Rd., Alexandria	95160	Premise Match	119m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Footwear Retailers	Ada Shoe Store, 36 Botany Rd., Alexandria	88824	Premise Match	120m	North West
Hardware Dealers/Ironmakers	Carr, G. H., 32 Botany Rd. Alexandria	99006	Premise Match	120m	North West
Paint, Varnish, Oils/Colour Merchants	Carr, G. H., 32 Botany Rd., Alexandria	130770	Premise Match	120m	North West
Mercers - Men's & Boys' Outfitters	Lang's Mercery, 36 Botany Rd., Alexandria	113338	Premise Match	120m	North West
Price Ticketing System Manufacturers	Berk Printing Co, Pty. Ltd., 94 Botany Rd., Alexandria	135790	Premise Match	120m	West
BOOKBINDERS	Berk Printing Co. , 94 Botany Rd., Alexandria	52577	Premise Match	120m	West
TICKET/TAG MFRS.	Berk Printing Co. Pty, Ltd., 94 Botany Rd. Alexandria	151398	Premise Match	120m	West
Printers - Letterpress	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	135934	Premise Match	120m	West
Labels - General	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	106877	Premise Match	120m	West
Motor Panel Beaters	Chapman Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	124522	Premise Match	120m	West
Motor Radiator Mfrs.	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria	125244	Premise Match	120m	West
Motor Radiator Specialists &/or Repairers	Chapman, Walter Pty. Ltd., 86 Botany Rd., Alexandria	125262	Premise Match	120m	West
Motor Painters	Chapman, Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	123788	Premise Match	120m	West
Motor Car Radio Specs.	Chapman, Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	121185	Premise Match	120m	West
Motor Body Repairs/Converters	Chapman, Walter Pty. Ltd., 86-88 Botany Rd., Alexandria	120113	Premise Match	120m	West
Fruiterers & Greengrocers	Fanshu, D. , 118 Botany Rd., Alexandria	91217	Premise Match	120m	West
Mixed Businesses	Chalmers-Phillip St. Mixed, 291 Chalmers St., Redfern	116883	Premise Match	121m	North East
Hairdressers (Gent.'s)/Tobacconists	Dean of Hairdressing (The) , 30 Botany Rd., Alexandria	97934	Premise Match	121m	North West
Electrical Supplies/Appliances Retailers	Morrow, E. A. & Co. , 138 Botany Rd., Alexandria	79575	Premise Match	121m	South West
Plywood Manufacturers/Merchants	Perforplate Cc.., 138 Botany Rd., Alexandria	135190	Premise Match	121m	South West
Acoustic Materials Mfrs.	Perforplate Co. , 138-142 Botany Rd., Alexandria	44448	Premise Match	121m	South West
Walking Stick Importers &/or Distributors	Perforplate Co., 138 Botany Rd.. Alexandria	155578	Premise Match	121m	South West
Wallboard Mfrs.	Perforplate Co., 138-142 Botany Rd., Alexandria	155606	Premise Match	121m	South West
Building Alterations & Repairs	Veney, G. C & Sons. , 138-142 Botany Rd., Alexandria	56462	Premise Match	121m	South West
Plumbers, Gasfitters/Drainlayers	Veney, G. C. & Sons, 138-142 Botany Rd.	134369	Premise Match	121m	South West
House Maintenance Specs.	Veney, G. C. & Sons, 138-142 Botany Rd., Alexandria	102172	Premise Match	121m	South West
DELICATESSENS	Ideal Food Store (The), 28 Botany Rd., Alexandria	72307	Premise Match	122m	North West
Hardware Dealers/Ironmakers	Katz, J. , 12 Botany Rd. Alexandria	99008	Premise Match	122m	North West
Footwear Retailers	Glass' Personality Shoes, 22-26 Botany Rd., Alexandria	88952	Premise Match	123m	North West
Hairdressers (Gent.'s)/Tobacconists	McLeod, F. , 18 Botany Rd., Alexandria	98275	Premise Match	123m	North West
TAILORS-LADIES'/GENT.'S	Pavlou, G. , 16 Botany Rd., Alexandria	149703	Premise Match	123m	North West
Second - Hand Dealers	Ten Botany Road (Clothing)., 10 Botany Rd., Alexandria	143559	Premise Match	123m	North West
STATIONERS—RETAIL	Walsh & Hoskin , 8 Botany Rd., Alexandria	147766	Premise Match	123m	North West
BOOKSELLERS---RETAIL	Walsh & Hoskin, 8 Botany Rd., Alexandria	52953	Premise Match	123m	North West
Newsagents	Walsh & Hoskin, 8 Botany Rd., Redfern	128535	Premise Match	123m	North West
Hotels - Licensed	Star Hotel, 170 Botany Rd., Alexandria	101900	Premise Match	123m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Jewellers - Costume - Retail	Brandons, 6 Botany Rd., Alexandria	105587	Premise Match	124m	North West
Frock & Coat Salons	Glover's Frocks, 6 Botany Rd., Alexandria	89923	Premise Match	124m	North West
Insecticide Mfrs.	Crown Lubricants Mfrg. Co., 154 Botany Rd., Alexandria	103488	Premise Match	124m	South West
Electrical Supplies/Appliances - Wholesale	Falk Stadelmann & Co, Ltd., 158 Botany Rd., Alexandria	79781	Premise Match	124m	South West
Furniture - Office - Mfrs. &/or Wholesalers	Lee, A. P. & Sons , 156 Botany Rd., Alexandria	93971	Premise Match	124m	South West
Furniture Repairers/Remodellers	Lee, A. P. & Sons , 156 Botany Rd., Alexandria	94217	Premise Match	124m	South West
Vacuum Cleaner Sales/Service	Lee, A. P. & Sons, 156 Botany Rd., Alexandria	155117	Premise Match	124m	South West
Financiers/Finance Agents	Therussell Plan Pty. Ltd., 156 Botany St., Waterloo	86437	Premise Match	124m	South West
Bag & Sack Merchants	Vesely, I. Pty. Ltd., 154 Botany Rd., Alexandria & Branch	49144	Premise Match	124m	South West
Jute /Jute Goods Merchants	Vesely, I. Pty. Ltd., 154 Botany Rd., Alexandria & Branch	106702	Premise Match	124m	South West
Travel Goods Retailers	Brandons, 2-4 Botany Rd., Alexandria	154036	Premise Match	125m	North West
Pawnbrokers/Moneylenders	Brandons, 2-4 Botany Rd., Alexandria	131957	Premise Match	125m	North West
Beauty Salons &/or Ladies Hairdressers	La Belie Beauty Salon., 746 Elizabeth St., Waterloo	50823	Premise Match	126m	East
Motor Garages & Engineers	Waterloo Car Centre, 762 Elizabeth St. & Wellington St. Waterloo	123505	Premise Match	126m	East
Motor Accessories - Dealers	Waterloo Car Centre, 762 Elizabeth St. & Wellington St., Waterloo	119681	Premise Match	126m	East
Motor Service Stations - Petrol, Oil, Etc.	Waterloo Car Centre, Cnr. Wellington & Elizabeth Sts. Waterloo	126224	Premise Match	126m	East
Cake Shops & Pastrycooks	McAllum, H. M., 185 Regent St., Redfern	61375	Premise Match	126m	North West
Cake Shops & Pastrycooks	Val Cakes., 185 Regent St., Redfern	61647	Premise Match	126m	North West
Electric Light Fittings (Shades, Standard Brackets, Etc.) Mfrs. &/or Dists.	Falk Stadelman & Co. Ltd., 160-168 Botany Rd., Alexandria	77636	Premise Match	126m	South West
Electric Cable, Flex & Wire Mfrs. &/or Dists.	Falk Stadelmann & Co. Ltd., 160-168 Botany Rd., Alexandria	77162	Premise Match	126m	South West
Merchants/Importers	Falk Stadelmann & Co. Ltd., 160-168 Botany Rd.. Alexandria	113723	Premise Match	126m	South West
Advertising Display Spec.	Ranee, Mary., 168 Botany Rd., Waterloo	45012	Premise Match	126m	South West
Cafes, Tea Rooms, Coffee Lounges, Etc.	Rachel Forster Cafeteria., 134 Pitt St., Redfern	60724	Premise Match	128m	North
Hospitals - Public	Rachel Forster Hospital, 150 Pitt St., Redfern	101123	Premise Match	128m	North
Battery Manufacturers	Goodrich, B. F. Australia Pty. Ltd., 201-211 Botany Rd., Waterloo	50115	Premise Match	130m	South
Tyre & Tube Manufacturers &/or Distributors	Goodrich, B. F. Australia Pty. Ltd., 201-211 Botany Rd., Waterloo	154615	Premise Match	130m	South
Importers	Harvie, F. (Holdings) Pty. Ltd., 201-211 Botany Rd., Waterloo	102596	Premise Match	130m	South
Manchester Manufacturers/Wholesalers	Harvie, F. (Holdings) Pty. Ltd., Rear 201-211 Botany Rd., Waterloo	109054	Premise Match	130m	South
Merchants/Importers	Harvie, F. (Holdings) Pty. Ltd., Rear 201-211 Botany Rd., Waterloo	113779	Premise Match	130m	South
Cafes, Tea Rooms, Coffee Lounges, Etc.	Brennan, Mrs. M. , 3a Henderson Rd., Alexandria	60160	Premise Match	131m	North West
Sandwich & Luncheon Shops	Hamburger Lunch., 3a Henderson Rd., Alexandria	141967	Premise Match	131m	North West
BOOT & SHOE REPAIRERS	Heels While-U-Wait, 3 Henderson Rd., Alexandria	53345	Premise Match	131m	North West
Hairdressers (Gent.'s)/Tobacconists	Lepouris Bros. , 740 Elizabeth St., Waterloo	98227	Premise Match	132m	East
Hotels - Licensed	Glenroy Hotel, 242 Botany Rd., Alexandria	101591	Premise Match	132m	South
Hire Car Services	Redfern Hire Service, 34 Douglas St., Redfern	100305	Premise Match	133m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TAXIS	Staples, H. W. , 34 Douglas St., Redfern	150375	Premise Match	133m	North
Animal & Bird Food Supplies	Clarke, E. & Sans., 158 Regent St., Redfern (Bird Seed)	46244	Premise Match	133m	North West
Fuel Merchants - Coal/Coke, Wood	Clarke, E. & Sons , 158 Regent St., Redfern	92434	Premise Match	133m	North West
Produce Merchants - Grain & Seed - Retail	Clarke, E. & Sons., 158 Regent St., Redfern	136736	Premise Match	133m	North West
Pneumatic Tool Mfrs.	Airspeed Products., 183 Regent St., Redfern	135229	Premise Match	134m	North West
Engineers - Compressed	Airspeed Products., 183 Regent St., Redfern	80934	Premise Match	134m	North West
Engineers General &/or Mfrg. &/or Mechanical	Airspeed Products., 183 Regent St., Redfern	82062	Premise Match	134m	North West
Motor Car & Truck Mfrs./Dists.	Renault (Aust.) Pty. Ltd., 153 George St., Redfern	121104	Premise Match	138m	North
Motor Carburettor/Tuning Specialists	Renault (Aust.) Pty. Ltd., 153 George St., Redfern	121275	Premise Match	138m	North
Tractor Imports. &/or Mfrs. &/or Dists.	Renault (Aust.) Pty. Ltd., 153 George St., Redfern	153340	Premise Match	138m	North
Motor Spare Parts Dealers - Retail	Renault (Australia) Pty. Limited, 153 George St., Redfern	126613	Premise Match	138m	North
Motor Spare Parts Mfrs. &/or Wholesalers	Renault (Australia) Pty. Limited, 153-167 George St., Redfern	126812	Premise Match	138m	North
Motor Garages & Engineers	Renault (Australia) Pty. Ltd., 153 George St. Redfern	123283	Premise Match	138m	North
Motor Car/Truck Importers/Distributors	Renault (Australia) Pty. Ltd., 153 George St., Redfern	121087	Premise Match	138m	North
Motor Car/Truck Dealers - New/Used	Renault (Australia) Pty. Ltd., 153 George St., Redfern & Branches	120897	Premise Match	138m	North
Pie Makers	Scotts Provisions (Bakery Pty. Ltd.)., 172 George St., Redfern	133273	Premise Match	139m	North
Medical Practitioners	Guyot, R., 671 Elizabeth St., Waterloo	111555	Premise Match	141m	East
Local Bodies	Waterloo Town Hall, 770 Elizabeth St., Waterloo	108351	Premise Match	144m	East
Waste Product Merchants	Cleaning Waste Pty. Ltd., 216 Wyndham St., Alexandria	155941	Premise Match	145m	South West
China, Crockery, Crystal, Cutlery, Erthenware, Glassware & Silverware Dealers	Crown Lynn Potteries (Aust.) Pty. Ltd., C/- Service Transport Co. Pty. Ltd., 216 Wyndham St., Alexandria	65972	Premise Match	145m	South West
Glassware/Crystalware Mfrs.	Crown Lynn Potteries (Australia) Pty. Ltd. Service Transport Co. Pty. Ltd., 216 Wyndham St., Alexandria	95378	Premise Match	145m	South West
China, & Crockery Mfrs., Imps. &/or Wholesalers	Crown Lynn Potteries (Australia) Pty. Ltd., C/- Service Transport Co. Pty. Ltd., 216 Wyndham St., Alexandria	65866	Premise Match	145m	South West
Furnishings - Soft - Mfrs./Wholesalers	Hollywood Textiles Pty. Ltd., 216 Wyndham St., Alexandria	92613	Premise Match	145m	South West
TEXTILE MERCHANTS	Hollywood Textiles Pty. Ltd., 216 Wyndham St., Alexandria	151142	Premise Match	145m	South West
Waste Product Merchants	Howletts Trading Pty. Ltd., 216 Wyndham St., Alexandria	155952	Premise Match	145m	South West
Cotton Waste Merchants	Howletts Trading Pty. Ltd., 216 Wyndham St., Alexandria	70910	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS	Howlett's Trading Pty. Ltd., 216 Wyndham St., Alexandria	151246	Premise Match	145m	South West
Cleaning Cloth Mfrs.	Howletts Trading Pty. Ltd., 216-220 Wyndham St., Alexandria	66454	Premise Match	145m	South West
Manufacturers' Agents	Spiller, W. S. & Son, 216 Wyndham St., Alexandria	109991	Premise Match	145m	South West
Cleaning Cloth Mfrs.	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	66459	Premise Match	145m	South West
Cotton Waste Merchants	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	70916	Premise Match	145m	South West
Cotton Waste Mfrs.	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	70893	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	151254	Premise Match	145m	South West
Waste Product Merchants	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	155958	Premise Match	145m	South West
Coopers & VAT Makers	Still, W. M. & Co., 64-68 McEvoy St., Alexandria	70513	Premise Match	145m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
Waste Product Merchants	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alex	155960	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alex	151257	Premise Match	145m	South West
Exporters	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alexandria	85243	Premise Match	145m	South West
TEXTILE DYERS	Wyndham Textile Industries Pty. Ltd., 216 Wyndham St., Alexandria	150825	Premise Match	145m	South West
Dyers/Bleachers - Trade	Wyndham Textile Industries Pty. Ltd., 216-220 Wyndham St., Alexandria	76712	Premise Match	145m	South West
Auctioners - General	Binskin, A. W. & Co. , 5-7 Henderson St., Alexandria	48336	Premise Match	146m	North West
Machinery Valuators	Binskin, A. W. & Co., 5-7 Henderson Rd., Alexandria	108936	Premise Match	146m	North West
Bakers' & Pastrycooks' Machinery Mfrs. Imp. &/or Dists.	Mackie, Em Pty. Ltd., 150 Regent St. Redfern	49333	Premise Match	148m	North West
Bakers' & Pastrycooks' Supplies	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	49377	Premise Match	148m	North West
Butchers' Supplies	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	59623	Premise Match	148m	North West
Café Equipment & Supplies	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	60037	Premise Match	148m	North West
DAIRY UTENSILS - MANUFACTURERS &/OR DISTRIBUTORS	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	71663	Premise Match	148m	North West
Hotel Equipment/Supplies	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	101345	Premise Match	148m	North West
TINSMITHS	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	152031	Premise Match	148m	North West
Trucks & Trolleys - Industrial - Imports. &/or Mfrs.	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	154164	Premise Match	148m	North West
Sheet Metal Workers	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	143985	Premise Match	148m	North West
Welders - Electric &/or Oxy	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	156625	Premise Match	148m	North West
Wireworkers - General	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	157752	Premise Match	148m	North West
STORE & PACKING ROOM EQUIPMENT MANUFACTURERS &/OR DISTRIBUTORS	Mackie, Ern. Pty. Ltd., 150 Regent St., Redfern	149128	Premise Match	148m	North West
Schools - Kindergarten/Day Nursery	Redfern Day Nursery., 143 Pitt St., Redfern	143081	Premise Match	149m	North

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1965 Business Directory Records Road or Area Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Electric Light Fittings (Shades, Standard Brackets, Etc.) Mfrs. &/or Dists.	Luminaires Pty. Ltd., 417 George St., Waterloo	77661	Road Match	0m
Hardware Manufacturers	Mcllwraith Industries Pty. Ltd., Botany Rd., Waterloo	99554	Road Match	59m
Brick Mfrs.	Waterloo Fire Brick Co. , Botany Rd., Waterloo	54181	Road Match	59m
Welders - Electric &/or Oxy	Federal tvlotore Service Station., 2 Regent St., Redfern	156457	Road Match	92m
Welding Arc Set Mfrs.	Abel Arc industries Pty. Ltd., Dockland St., Alexandria	156946	Road Match	108m
Electrical Contractors - Licensed Firms	Wood & Mathers Pty. Ltd., Chapel Lane, Alexandria	79099	Road Match	112m
Engineers - Electrical	Wood & Mathers Pty. Ltd., Chapel Lane, Alexandria	81616	Road Match	112m

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Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
Produce Merch. - W'Sale	Maloney, M. Produce Pty. Ltd., Boundary St., Redfern	136928	Road Match	113m
Seed Merchants	Maloney, M. Produce Pty. Ltd., Boundary St., Redfern	143592	Road Match	113m
Radio &/or T.V. Component Parts Dealers	Arcadian Manufacturing Co. Pty. Ltd., Renwick St., Rdfrn	137726	Road Match	117m
Boiler Inspectors	Connie, A. , William Lane, Redfern	52261	Road Match	145m
Exporters	Mar, A. & Co., William Lane, Redfern	85113	Road Match	145m
Fish Merchants - W'sale	Mar, A. & Co., William Lane, Redfern	87213	Road Match	145m
Importers	Mar, A. & Co., William Lane, Redfern	102760	Road Match	145m
Paper Bag Manufacturers	Blackwood, E C. (N,S.W.) Pty. Ltd., Allen St., Waterloo	131453	Road Match	147m
Paper - Wrapping - Merchants	Blackwood, E. C. (N.S.W.) Pty. Ltd., Allen St., Waterloo	131749	Road Match	147m
Paper Merchants	Blackwood, E. C. (N.S.W.) Pty. Ltd., Allen St., Waterloo	131610	Road Match	147m
Paper Bag Supplies	Blackwood, E. C. Pty. Ltd., Allen St., Waterloo	131476	Road Match	147m
Paper Bag Manufacturers	Carrier Bag Co & Wrappings Ltd., Allen St., Waterloo	131455	Road Match	147m
Cellulose Adhesive Tape Imps. &/or Dists.	Carrier Bag Co. & Wrappings Ltd., Allen St., Waterloo	63666	Road Match	147m
Cellulose Bag & Wrapper Mfrs. &/or Suppliers	Carrier Bag Co. & Wrappings Ltd., Allen St., Waterloo	63688	Road Match	147m
Paper Merchants	Carrier Bag Co. & Wrappings Ltd., Allen St., Waterloo	131617	Road Match	147m
Rope, Cordage/Twine Merchants	Carrier Bag Co. & Wrappings Ltd., Allen St., Waterloo	141285	Road Match	147m
Paper Converters	Carrier Bag Co. & Wrappings, Allen St., Waterloo	131529	Road Match	147m
Road Transport Services - Interstate	Pacific Intermountain Express (Aust.) Pty. Ltd., Allen St., Waterloo	140879	Road Match	147m
Carriers & Cartage Contractors	Pacific Intermountain Express (Aust.) Pty. Ltd., Allen St., Waterloo	63238	Road Match	147m
Haulage Contractors	Pacific Intermountain Express (Aust.) Pty. Ltd., Allen St., Waterloo	99809	Road Match	147m

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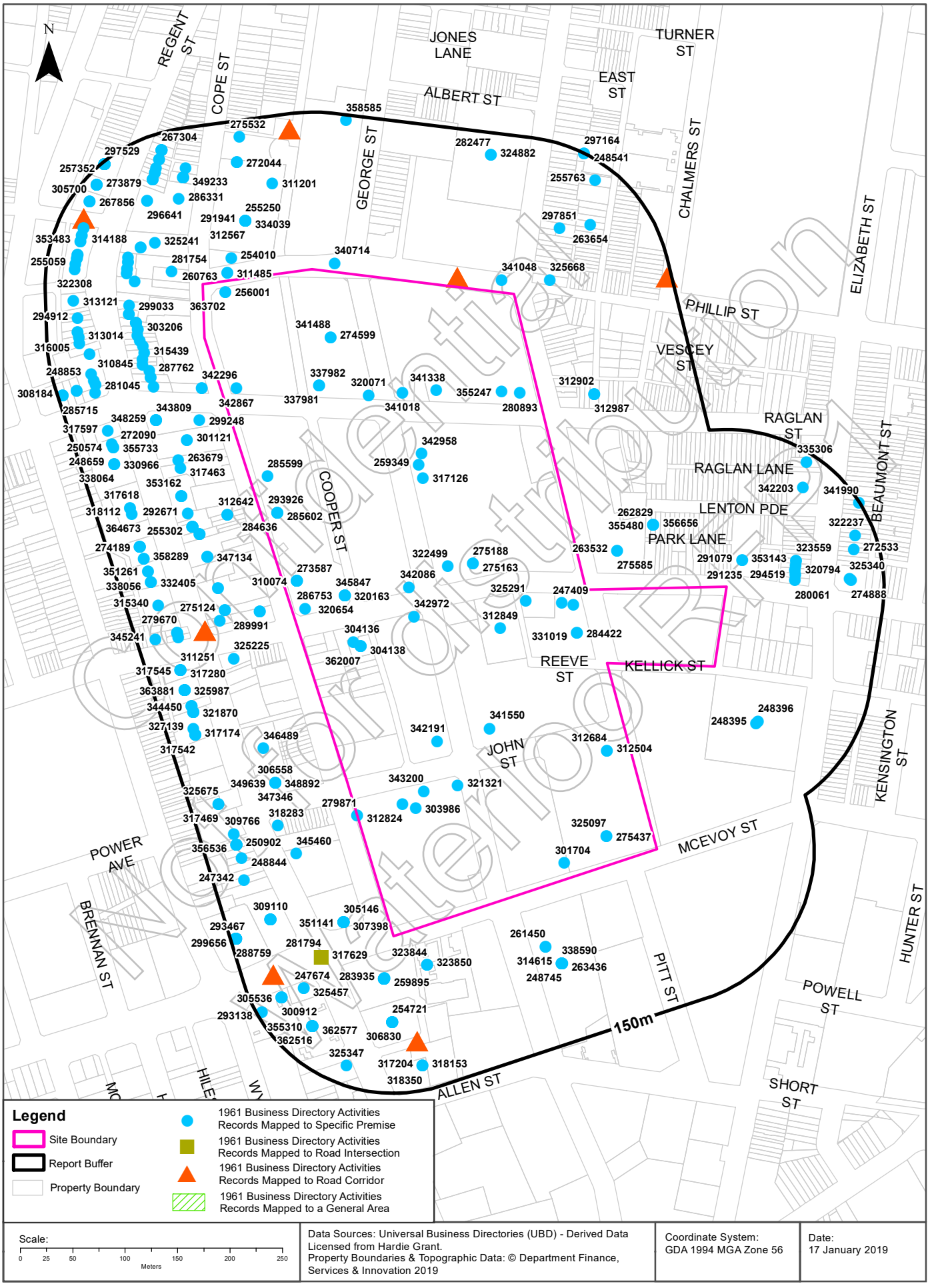
1961 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1961 Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MIXED BUSINESSES	Abdullah, T., 123 Raglan St., Waterloo	342867	Premise Match	0m	Onsite
GROCERS-RETAIL	Antonla, A., 236 George St., Waterloo	320071	Premise Match	0m	Onsite
CARDBOARD BOX & CARTON MANUFACTURERS	Argent Manufacturing Co Pty Ltd 116 Wellington St., Waterloo P.O. Box 10-Waterloo	283961	Premise Match	0m	Onsite
EMBOSSED SEALS & LABELS	Argent Manufacturing Co Pty Ltd 116 Wellington St., Waterloo-P.O. Box 10-Waterloo	304136	Premise Match	0m	Onsite
EMBOSSING SPECIALISTS	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	304138	Premise Match	0m	Onsite
CARDBOARD BOX & CARTON MANUFACTURERS	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	283962	Premise Match	0m	Onsite
PRINTERS-LETTERPRESS	Argent Manufacturing Co. Pty. Ltd., 116 Wellington St., Waterloo	362007	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS	Aristotals, P. Antoniols, 212 George St., Waterloo	274599	Premise Match	0m	Onsite
MIXED BUSINESSES	Attard, Joe, 249 Pitt St., Waterloo	342958	Premise Match	0m	Onsite
CHEMICAL MFRS.' MACHINERY-MANUFACTURERS	Australian Fibre Plaster Industries Pty. Ltd., 213 Botany St., Waterloo	286753	Premise Match	0m	Onsite
ACID TANK MANUFACTURERS	Australian Fibre Plastic Industries Pty Ltd Factory: 213 Botany St., Waterloo	266025	Premise Match	0m	Onsite
FIBREGLASS PRODUCTS-MFRS. (MOULDING, FABRICATING, EXTRUSIONS, CONVERTERS, Etc.)	Australian Fibre Plastic Industries Pty Ltd Factory: 213 Botany St., Waterloo G.P.O. Box 1181	310074	Premise Match	0m	Onsite
FIBREGLASS PRODUCTS-MFRS. (MOULDING, FABRICATING, EXTRUSIONS, CONVERTERS, Etc.)	Australian Fibre Plastic Industries Pty. Ltd., 213 Botany St., Waterloo	310075	Premise Match	0m	Onsite
ACID TANK MANUFACTURERS	Australian Fibre Plastic Industries Pty. Ltd., 213 Botany St., Waterloo	266026	Premise Match	0m	Onsite
PLASTIC MFRS.' MATERIALS SUPPLIERS	Australian Fibre Plastic Industries Pty. Ltd., 213 Botany St., Waterloo	359512	Premise Match	0m	Onsite
BOAT, LAUNCH & YACHT BUILDERS & REPAIRERS	Australian Fibre Plastic Industries, 213 Botany St., Waterloo	273587	Premise Match	0m	Onsite
HOTELS—LICENSED	Australian Hotel, 217 Botany St., Waterloo	325155	Premise Match	0m	Onsite
MIXED BUSINESSES	Baker, E. & N., 278 George St., Waterloo	342972	Premise Match	0m	Onsite
BUTCHERS-RETAIL	Barnley, R. T. Pty. Ltd., 27 John St., Waterloo	279871	Premise Match	0m	Onsite
LEATHER GOODS MFRS. &/OR WHOLESALERS	Bentleigh Leather Bag Co., 230 Pitt St., Waterloo	331019	Premise Match	0m	Onsite
SANDWICH/LUNCHEON SHOPS	Bill's Sandwich Bar, 100 Wellington St., Waterloo	247409	Premise Match	0m	Onsite
GROCERS-RETAIL	Booth, E. & L., 117 Wellington St., Waterloo	320163	Premise Match	0m	Onsite
MIXED BUSINESSES	Buckton, J. & I., 53 John St., Waterloo	343200	Premise Match	0m	Onsite
ELECTRICAL CONTRACTORS-LICENSED	Budge, James Pty. Ltd., 45 McEvoy St., Alexandria, Waterloo	301704	Premise Match	0m	Onsite
CUSTOMS-AGENTS	Burns, J. A., 187 Botany St., Waterloo	293926	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
SHIPPING & FORWARDING AGENTS	Burns, J. A., 187 Botany St., Waterloo	249665	Premise Match	0m	Onsite
FOOD PROCESSORS/PACKERS	Cahills Quick Freezers Ltd., 248 Pitt St., Waterloo	312504	Premise Match	0m	Onsite
FOODS-FROZEN-SPECIALISTS	Cahills Quick Freezers Ltd., 248 Pitt St., Waterloo	312684	Premise Match	0m	Onsite
CARRIERS & CARTAGE CONTRACTORS-MASTER	Campbell, A. E., 181 Botany Rd., Waterloo	285599	Premise Match	0m	Onsite
FOOTWEAR MFRS.-BOOTS/SHOES	Capitol Shoe Manufacturing Co. Pty. Ltd., 49 John St., Waterloo	312824	Premise Match	0m	Onsite
CARPET CLEANERS & SHAMPOOERS	Carpet Cleaners Pty. Ltd., 230-234 Pitt St., Waterloo	284422	Premise Match	0m	Onsite
CARRIERS & CARTAGE CONTRACTORS	Cavanough, H., 187 Botany St., Redfern	284636	Premise Match	0m	Onsite
CARRIERS & CARTAGE CONTRACTORS-MASTER	Cavanough, H., 187 Botany St., Redfern	285602	Premise Match	0m	Onsite
TRANSPORT RECEIVING DEPOT	Central Tablelands Depot, George St., Redfern	259349	Premise Match	0m	Onsite
TELEVISION SET MANUFACTURERS/DISTRIBUTORS	Classic Radio & Television Pty. Ltd., 125 Botany St., Wtloo	256001	Premise Match	0m	Onsite
RADIO &/OR RADIOGRAM MFRS.	Classic Radio & Television Pty. Ltd., 125 Botany St., Wtloo	363702	Premise Match	0m	Onsite
HOTELS—LICENSED	Duke of Wellington Hotel, 108 Wellington St., Waterloo	325291	Premise Match	0m	Onsite
METAL BUYERS	Feneck J 32-40 Cooper St., Waterloo	337981	Premise Match	0m	Onsite
DEMOLITION CONTRACTORS	Feneck J 40 Cooper St., Waterloo	295457	Premise Match	0m	Onsite
METAL BUYERS	Feneck, J., 32-40 Cooper St., Waterloo	337982	Premise Match	0m	Onsite
MIXED BUSINESS	Glassby, E., 105 Raglan St., Waterloo	341018	Premise Match	0m	Onsite
FOOTWEAR MFRS.-BOOTS/SHOES	Goldberg Bros. Pty. Ltd., 110 Wellington St., Waterloo	312849	Premise Match	0m	Onsite
GROCERS-RETAIL	Hudson M., 117 Wellington St., Waterloo	320654	Premise Match	0m	Onsite
MIXED BUSINESS	Jeabbour, B., 101 Raglan St., Waterloo	341338	Premise Match	0m	Onsite
OYSTER MERCHANTS	King Bros., 77 Raglan St., Redfern	355247	Premise Match	0m	Onsite
MIXED BUSINESS	Lake, L. A., 212 George St., Waterloo	341488	Premise Match	0m	Onsite
BUTCHERS-RETAIL	Lambert, J., 27 John St., Waterloo	280630	Premise Match	0m	Onsite
MIXED BUSINESS	Lillis, E., 337 George St., Waterloo	341550	Premise Match	0m	Onsite
BOTTLE MERCHANTS & EXCHANGES	McCarthy, J. & Co. Pty. Ltd., 37 McEvoy St., Alexandria	275437	Premise Match	0m	Onsite
HOTEL EQUIPMENT/SUPPLIES	McCarthy, J. Hotelware Pty. Ltd., 37 McEvoy St., Alexandria	325097	Premise Match	0m	Onsite
FURNITURE REMOVALISTS/STORAGE	Monaghans, Sydney Pty. Ltd., 259 George St., Waterloo	317126	Premise Match	0m	Onsite
ENGINEERS-GENERAL/MFRG./MECHANICAL	Murphy, J. G. Pty. Ltd., 117 Welington St., Waterloo	306818	Premise Match	0m	Onsite
CARAVAN BUILDERS	Murphy, J. G. Pty. Ltd., 117 Wellington St., Waterloo	283753	Premise Match	0m	Onsite
MOTOR CYCLE SIDECAR MFRS.	Murphy, J. G. Pty. Ltd., 117 Wellington St., Waterloo	345847	Premise Match	0m	Onsite
TRUCKS & TROLLEYS-INDUSTRIAL-IMPORTS. &/OR MFRS.	Murphy, J. G. Pty. Ltd., 117 Wellington St., Waterloo	259714	Premise Match	0m	Onsite
BUTCHERS-RETAIL	O'Sullivan Bros., 73 Raglan St., Waterloo	280893	Premise Match	0m	Onsite
MIXED BUSINESS	Peters, U., 276 George St., Waterloo	342086	Premise Match	0m	Onsite
MIXED BUSINESS	Redman, W. D., 308 George St., Waterloo	342191	Premise Match	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
HOTELS—LICENSED	Rose of Denmark Hotel, Wellington St., Waterloo	325619	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS	Sam, L., 107 Wellington St., Waterloo	275163	Premise Match	0m	Onsite
HAIRDRESSERS (GENT.'S) /TOBACCONISTS	Sharpe, E., 285 George St., Waterloo	322499	Premise Match	0m	Onsite
BOOT & SHOE REPAIRERS	Shoemaker de Paris, 107 Wellington St., Waterloo	275188	Premise Match	0m	Onsite
GROCERS-RETAIL	Thomas, R., 69 John St., Waterloo	321321	Premise Match	0m	Onsite
ELECTROPLATERS	Waratah Electroplating Co., 51 John St., Waterloo	303986	Premise Match	0m	Onsite
VALVES/COCKS, Etc. MFRS.	Eureka Valve Sales Pty. Ltd., 125 Botany St., Redfern	260763	Premise Match	7m	North West
FLEXIBLE SHAFTING & TUBING MFRS. &/OR DISTS.	Vibroflex Pty. Ltd., 125 Botany St., Redfern	311485	Premise Match	7m	North West
MIXED BUSINESS	De Pasquale, J., 200 George St., Waterloo	340714	Premise Match	8m	North
MIXED BUSINESS	Gouveros, A., 154 Pitt St., Redfern	341048	Premise Match	11m	North
MIXED BUSINESS	Hannna, M., 125 Raglan St., Waterloo	341125	Premise Match	17m	North West
MIXED BUSINESS	Ryan, E. C., 112 Botany St., Waterloo	342296	Premise Match	17m	North West
STOCK FOODS MANUFACTURERS &/OR DISTRIBUTORS	Banes, James Pty. Ltd., 117-123 Botany St., Waterloo	254010	Premise Match	21m	North West
CLOTHING MFRS. &/OR W'SALERS-UNDERWEAR	Vie-Knit Pty. Ltd., 49 Wellington St., Waterloo	291079	Premise Match	29m	East
CLOTHING MFRS. &/OR WHOLESALERS-SPORTSWEAR	Vie-Knit Pty. Ltd., 49 Wellington St., Waterloo	291235	Premise Match	29m	East
DRY CLEANERS, PRESSERS / DYERS	Riley's, 130 Raglan St., Waterloo	299248	Premise Match	29m	North West
CLOTHING MFRS. &/OR W'SALERS-LADIES' SKIRTS	Arkabe, 168 Botany St., Waterloo	290439	Premise Match	29m	West
CLOTHING MFRS. &/OR W'SALERS-LADIES' DRESSES & GOWNS	Arkabe, 168 Botany St., Waterloo	289991	Premise Match	29m	West
ADVERTISING DISPLAY SPEC.	Rapee, Mary, 168 Botany St., Waterloo	266544	Premise Match	29m	West
BISCUIT MFRS. &/OR DISTS	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo	273107	Premise Match	31m	West
FOOD PRODUCTS MFRS.	Solomon, R. & Co. Pty. Ltd., 136 Botany St., Waterloo	312642	Premise Match	31m	West
CABINETMAKERS	Invincible Cabinet Pty. Ltd. (Plant 2), 82 Botany St., Waterloo	281754	Premise Match	32m	North West
BOX & CASE MERCHANTS &/OR MANUFACTURERS	White Case Co., 245-247 Pitt St., Waterloo	275585	Premise Match	36m	East
WOOD WOOL MFRS.	White Case Co., 245-247 Pitt St., Waterloo	263532	Premise Match	36m	East
HAT MFRS.' SUPPLIES	Hat Accessories, 54 McEvoy St., Waterloo	323850	Premise Match	36m	South
HAT BAND MANUFACTURERS	Hatbands Pty. Ltd., 15-21 McEvoy St., Waterloo	323844	Premise Match	36m	South
HABERDASHERY-WHOLESALE	Hatbands Pty. Ltd., 54 McEvoy St., Waterloo	321709	Premise Match	36m	South
HOTELS—LICENSED	Somerset Hotel, 191 Pitt St., Redfern	325668	Premise Match	37m	North
CARBON PAPER DIST. & SPEC.	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Wtloo	283931	Premise Match	41m	South
TYPEWRITER RIBBON MFRS.	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Wtloo	259895	Premise Match	41m	South
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Betta Chrome Furniture Pty. Ltd., 167-171 Botany Rd., Waterloo	317434	Premise Match	42m	South
MANUFACTURERS' AGENTS	Columbia Writing Products Pty Ltd 183 Botany Rd., Waterloo	333169	Premise Match	42m	South
CARBON PAPER DIST. & SPEC.	Columbia Writing Products Pty Ltd 183 Botany Rd., Waterloo	283930	Premise Match	42m	South

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TYPEWRITER RIBBON MFRS.	Columbia Writing Products Pty Ltd 183 Botany Rd., Waterloo	259894	Premise Match	42m	South
TYPEWRITER SUPPLIES	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	259913	Premise Match	42m	South
STATIONERS-WHOLESALE	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	253121	Premise Match	42m	South
PENCIL MFRS./DISTRIBUTORS	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	357301	Premise Match	42m	South
CARBON PAPER MFRS.	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	283945	Premise Match	42m	South
MANUFACTURERS' AGENTS	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	333170	Premise Match	42m	South
PLASTIC GOODS IMPORTERS &/OR DISTRIBUTORS	Garratt, Max & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	359180	Premise Match	42m	South
IMPORTERS	Garrett, M. & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	326344	Premise Match	42m	South
PLASTIC MFRS.—SHEETING	Garrett, Max & Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	359578	Premise Match	42m	South
PLASTIC MFRS.' MATERIALS SUPPLIERS	Garrett, Max St Co. Pty. Ltd., 83-85 McEvoy St., Waterloo	359531	Premise Match	42m	South
TYPEWRITER RIBBON MFRS.	Horton, G. H. & Co. Ltd., 183 Botany Rd., Waterloo	259897	Premise Match	42m	South
CARBON PAPER MFRS.	Horton, G. H. & Co. Ltd., 183 Botany Rd., Waterloo	283947	Premise Match	42m	South
CARBON PAPER DIST. & SPEC.	Horton, G. H. & Co. Ltd., 183 Botany Rd., Waterloo	283935	Premise Match	42m	South
ELECTRICAL CONTRACTORS-LICENSED	Horton, G. H. & Co. Ltd., 183 Botany Rd., Waterloo	302092	Premise Match	42m	South
PIANOLA ROLL MFRS./DIST.	Horton, G. H. and Co. Ltd., 183 Botany Rd., Waterloo	358262	Premise Match	42m	South
PLASTIC GOODS IMPORTERS &/OR DISTRIBUTORS	Max Garrett & Co Pty Ltd 83-85 McEvoy St., Waterloo	359191	Premise Match	42m	South
STEAM PLANT EQUIPMENT MFRS. &/OR DISTS.	Presha Engineering Co. (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	253277	Premise Match	42m	South
ENGINEERS-CONSULTING	Presha Engineering Co. (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	305146	Premise Match	42m	South
ENGINEERS-HOT WATER, HEATING/VENTILATING	Presha Engineering Limited, 171 Botany Rd.	307398	Premise Match	42m	South
ENGINEERS-PRECISION	Presha Engineering Limited, 171 Botany Rd., Waterloo	307865	Premise Match	42m	South
ENGINEERS-STEAM	Presha Engineering Limited, 171 Botany Rd., Waterloo	308439	Premise Match	42m	South
BOILERMAKERS	Presha Engineering Limited, 171 Botany Rd., Waterloo	273996	Premise Match	42m	South
ENGINEERS-GENERAL/MFRG./MECHANICAL	Presna Engineering Limited, 171 Botany Rd., Waterloo	306937	Premise Match	42m	South
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Super Service Station, 173 Botany Rd. WATERLOO	351141	Premise Match	42m	South
TYRE/TUBE DEALERS	Super Service Station, 173 Botany Rd., Waterloo	260333	Premise Match	42m	South
MACHINERY DEALERS—SECOND-HAND	Skinner, J. Pty. Ltd., 59-63 Botany Rd., Waterloo	332436	Premise Match	45m	North West
ELECTRIC MOTORS-DEALERS &/OR WHOLESALERS	Skinner, J. Pty. Ltd., 59-63 Botany Rd., Waterloo	301121	Premise Match	45m	North West
FOOTWEAR MFRS.-BOOTS/SHOES	Parisienne Shoes Pty. Ltd., 67 Raglan St., Waterloo	312902	Premise Match	52m	North East
FOOTWEAR MFRS.-CHILDREN'S/INFANTS'	Parisienne Shoes Pty. Ltd., 67 Raglan St., Waterloo	312964	Premise Match	52m	North East
FOOTWEAR MFRS.-SANDALS	Parisienne Shoes Pty. Ltd., 67 Raglan St., Waterloo	312987	Premise Match	52m	North East
FOOD PRODUCTS MFRS.	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	312567	Premise Match	54m	North West
MARGARINE MANUFACTURERS &/OR DISTRIBUTORS	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	334039	Premise Match	54m	North West
MEAT CANNERS	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	334320	Premise Match	54m	North West
MEAT EXPORTERS	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	334341	Premise Match	54m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
COCONUT OIL & MEAL MFRS.	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	291941	Premise Match	54m	North West
CANNERS & CANNED FOOD SPECIALISTS	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	283542	Premise Match	54m	North West
OILS—EDIBLE—MERCHANTS	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	354643	Premise Match	54m	North West
OILS—LINSEED—MFRS.	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	354711	Premise Match	54m	North West
TALLOW MERCHANTS &/OR REFINERS	Barnes, James Pty. Ltd., 115 Botany St., Waterloo	255250	Premise Match	54m	North West
NAIL/STAPLE MFRS.	Cooke Sidney (United Nail) Pty Ltd Cnr. McEvoy & George Sts., Waterloo	352935	Premise Match	55m	South
WASHING MACHINE DISTRIBUTORS-WHOLESALE	Sidney Cooke (United Nail) Pty. Ltd., McEvoy & George Sts., Waterloo	261450	Premise Match	55m	South
SANDWICH/LUNCHEON SHOPS	Flanagan, V., 35a Botany Rd., Waterloo	247481	Premise Match	59m	North West
FRUITERERS/GREENGROCERS	Gazy's, 37 Botany Rd., Waterloo	315439	Premise Match	59m	North West
WOODWORKERS/TURNERS	Wadds, F. P., 65 Botany Rd., Waterloo	263679	Premise Match	59m	North West
WINDOW FITTINGS MFRS.	Peters & Bryant, 14-16 Lenton Pde., Waterloo	262829	Premise Match	60m	East
PAINT—PLASTIC—MFRS.	Plastone Paint Co., 14-16 Lenton Pde., Waterloo	356656	Premise Match	60m	East
PAINT, ENAMEL, VARNISH/STAIN MANUFACTURERS	Plastone Paint Co., 14-16 Lenton Pde., Waterloo	355480	Premise Match	60m	East
PAINT, KALSOMINE & WATER PAINT MFRS.	Plastone Paint Co., 14-16 Lenton Pde., Waterloo	355511	Premise Match	60m	East
HOTELS—LICENSED	Abbotts Hotel, 47 Botany Rd., Waterloo	325134	Premise Match	60m	North West
HOTELS—LICENSED	Clifton Hotel, 1 Botany Rd., Waterloo	325241	Premise Match	60m	North West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Comfytex Pty. Ltd., 67 Botany Rd., Waterloo	317463	Premise Match	60m	North West
BUTCHERS-RETAIL	Greenfield, J. and Son, 45 Botany Rd., Waterloo	280383	Premise Match	60m	North West
CHEMISTS-PHARMACEUTICAL	Kirby. M. C., 43 Botany Rd., Waterloo	287762	Premise Match	60m	North West
BUTCHERS-RETAIL	Mickey's Butchery, 45 Botany Rd., Waterloo	280779	Premise Match	60m	North West
MILK, FRUIT JUICE BARS/CONFECTIONERS	Beauty Milk Bar, 33a Botany Rd., Waterloo	338851	Premise Match	61m	North West
SANDWICH/LUNCHEON SHOPS	"Sandwiches to Order," 117a Botany Rd., Waterloo	247377	Premise Match	61m	West
UPHOLSTERERS	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	260406	Premise Match	61m	West
FURNITURE-LOUNGE SUITES-MFRS. &/OR W'SALERS	Artwood Furniture Pty. Ltd., 107 Botany Rd., Waterloo	317996	Premise Match	61m	West
CATERERS	Feneck, J, 101a Botany Rd, Waterloo	285985	Premise Match	61m	West
MOTOR GARAGES & ENGINEERS	Feneck, J., 101 Botany Rd. WATERLOO	347134	Premise Match	61m	West
MILK, FRUIT JUICE BARS/CONFECTIONERS	Lang, K. & P., 101 Botany Rd., Waterloo	339253	Premise Match	61m	West
BOOT & SHOE REPAIRERS	Quick Service Shoe Repairs, 117 Botany Rd., Waterloo	275124	Premise Match	61m	West
ASSOCIATIONS & SOCIETIES	South Sydney Homing Pigeon Soc, 117 Botany Rd., Wtloo	269594	Premise Match	61m	West
FISH MERCHANTS-RETAIL	"Crete" Seafoods (The), 39 Botany Rd., Waterloo	310845	Premise Match	62m	North West
PAINT, VARNISH, OILS/COLOUR MERCHANTS	Lincoln & Grimshaw Pty. Ltd., 89-91 Botany Rd., Waterloo	355690	Premise Match	62m	West
PRINTERS-LETTERPRESS	Lincoln & Grimshaw Pty. Ltd., 89-91 Botany Rd., Waterloo	362265	Premise Match	62m	West
PAPER VARNISHERS	Lincoln & Grimshaw, 89-91 Botany Rd., Waterloo	356946	Premise Match	62m	West
RADIO &/OR TELEVISION SALES & SERVICEMEN	Household Economy Pty. Ltd., 31 Botany Rd. WATERLOO	364506	Premise Match	63m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
ELECTRICAL SUPPLIES/APPLIANCES RETAILERS	Household Economy Pty. Ltd., 31 Botany Rd., Waterloo	303206	Premise Match	63m	North West
BUTCHERS-RETAIL	Barrett Bros., 29a Botany Rd., Waterloo	279876	Premise Match	64m	North West
CAKE SHOPS & PASTRYCOOKS	Howard, Ian, 29a Botany Rd., Waterloo	283058	Premise Match	64m	North West
CAKE SHOPS & PASTRYCOOKS	Nicer Cakes, 29a Botany Rd., Waterloo	283204	Premise Match	64m	North West
GROCERS-RETAIL	Stagg's Self-Service, 41 Botany Rd., Waterloo	321265	Premise Match	64m	North West
FRUITERERS/GREENGROCERS	Statis, Steve ("33 Fruit"), 33 Botany Rd., Waterloo	316236	Premise Match	64m	North West
BUTCHERS-RETAIL	Young, S. H., 29a Botany Rd., Waterloo & Branch	281436	Premise Match	64m	North West
BUTCHERS-RETAIL	Clancy, Jim, 703 Elizabeth St., Waterloo	280061	Premise Match	65m	East
WALKING STICK IMPORTERS &/OR DISTRIBUTORS	Perfoliate Co., 13B Botany Rd., Alexandria	261167	Premise Match	65m	North West
FRUITERERS/GREENGROCERS	Ruggero, J., 701 Elizabeth St., Waterloo	316113	Premise Match	66m	East
MOTOR GARAGES & ENGINEERS	Alexandria Auto Port, 143-159 Botany Rd. WATERLOO	346489	Premise Match	66m	South West
MOTOR GARAGES & ENGINEERS	Hawxwell & Jones Pty. Ltd., 165 Botany Rd. WATERLOO	347346	Premise Match	66m	South West
ENGINEERS-GENERAL/MFRG./ MECHANICAL	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo	306558	Premise Match	66m	South West
MOTOR PANEL BEATERS	Hawxwell and Jones Ptv. Ltd., 165 Botany Rd., Waterloo	349639	Premise Match	66m	South West
MOTOR PAINTERS	Hawxwell and Jones Pty. Ltd., 165 Botany Rd., Waterloo	348892	Premise Match	66m	South West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Kafka, P. E., 161 Botany Rd., Waterloo	317532	Premise Match	66m	South West
MOTOR CAR/TRUCK DEALERS—NEW/USED	Waterloo Auto Sales Pty. Ltd., 173 Botany Rd., Waterloo	345460	Premise Match	66m	South West
FOOTWEAR MFRS.-BOOTS/SHOES	"Verka" Shoe Co., 87 Botany Rd., Waterloo	312808	Premise Match	66m	West
FOOTWEAR MFRS.-SANDALS	"Verka" Shoe Co., 87 Botany Rd., Waterloo	312974	Premise Match	66m	West
CONFECTIONERS-RETAIL	Abood, J., 81 Botany Rd., Waterloo	292671	Premise Match	66m	West
PLUMBERS, GASFITTERS & DRAINLAYERS	Martin, Robert & Co., 87a Botany Rd. WATERIOO	360086	Premise Match	66m	West
PIPE BENDERS &/OR FABRICATORS	Martin, Robert & Co., 87a Botany Rd., Waterloo	358615	Premise Match	66m	West
PIPE LINE INSTALLATIONS	Martin, Robert & Co., 87a Botany Rd., Waterloo	358639	Premise Match	66m	West
TANK & TANK STAND MFRS. & SUPPLIERS	Martin, Robert & Co., 87a Botany Rd., Waterloo	255302	Premise Match	66m	West
SHEET METAL WORKERS	Martin, Robert & Co., 87a Botany Rd., Waterloo	249350	Premise Match	66m	West
WELDERS-ELECTRIC &/OR OXY	Martin, Robert & Co., 87a Botany Rd., Waterloo	262267	Premise Match	66m	West
COPPERSMITHS	Martin, Robert &, Co., 87a Botany Rd., Waterloo	293201	Premise Match	66m	West
DELICATESSENS	"Popular" (The), 699 Elizabeth St., Waterloo	294519	Premise Match	67m	East
SCHOOLS/COLLEGES-PRIVATE/PUBLIC	St. Carmel Girls' & Infants' Convent School, Kellick St., Waterloo	248395	Premise Match	67m	South East
SCHOOLS/COLLEGES-PRIVATE/PUBLIC	St. Carmel Patrician Bros' Boys' School, Elizabeth St., Waterloo	248396	Premise Match	67m	South East
HOTELS—LICENSED	Cauliflower Hotel, 123 Botany Rd., Waterloo	325225	Premise Match	67m	West
NEWSAGENTS	Field, E. F., 75 Botany Rd., Waterloo	353162	Premise Match	67m	West
SCRAP METAL MERCHANTS	Waterloo Metal Co., 77 Botany Rd., Waterloo	248696	Premise Match	67m	West
MACHINERY DEALERS—SECOND-HAND	Waterloo Metal Co., 77 Botany Rd., Waterloo	332444	Premise Match	67m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
MACHINERY MERCH./IMPORT.	Waterloo Metal Co., 77 Botany Rd., Waterloo	332601	Premise Match	67m	West
DRESS FABRIC RETAILERS	Redfern Bargain Store, 5a Botany Rd., Waterloo	298453	Premise Match	68m	North West
MOTOR GARAGES & ENGINEERS	T.E.B. Batteries, 51 Botany Rd. WATERLOO	348259	Premise Match	68m	North West
MOTOR ELECTRICIANS	T.E.B. Batteries, 51 Botany Rd., Waterloo	346177	Premise Match	68m	North West
MOTOR ACCESSORIES/DEALERS	T.E.B. Batteries, 51 Botany Rd., Waterloo	343809	Premise Match	68m	North West
BATTERY SERVICE STATIONS	T.E.B. Batteries, 51 Botany Rd., Waterloo	272090	Premise Match	68m	North West
MOTOR SPARE PARTS DEALERS—RETAIL	T.E.B. Batteries, 51 Botany Rd,, Waterloo	351759	Premise Match	68m	North West
FRUITERERS/GREENGROCERS	Vincem Fruit Palace, 5 Botany Rd., Waterloo	316383	Premise Match	68m	North West
GROCERS-RETAIL	Lewis, T. & M., 697 Elizabeth St., Waterloo	320794	Premise Match	69m	East
OPTICAL SUPPLIES—MFRG. &/OR WHOLESALE	Sun-Art Pty. Ltd., 119 Botany Rd., Waterloo	354827	Premise Match	69m	West
NEWSAGENTS	Donnelly, B., 695 Elizabeth St., Waterloo	353143	Premise Match	71m	East
HARDWARE DEALERS/IRONMONGERS	Upward, E. & E., 693 Elizabeth St. WATERLOO	323559	Premise Match	71m	East
DRY CLEANERS, PRESSERS / DYERS	Anthony, George, 23 Botany Rd., Waterloo	299033	Premise Match	71m	North West
GROCERS-RETAIL	Prince's Grocery, 27 Botany Rd., Waterloo	321095	Premise Match	71m	North West
HAIRDRESSERS (GENT.'S) /TOBACCONISTS	Strachan, Harry, 25 Botany Rd., Waterloo	322540	Premise Match	71m	North West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Standard Furniture Co. Ltd., Botany & McEvoy Sts., Wtloo	317629	Road Intersection	72m	South
CABINETMAKERS	Standard Furniture Co. Pty. Ltd., McEvoy St., Waterloo	281794	Road Intersection	72m	South
WINE/SPIRIT MERCHANTS-RETAIL	Leahy, E., 9 Botany Rd., Redfern	263069	Premise Match	73m	North West
MILK, FRUIT JUICE BARS/CONFECTIONERS	Quayle, B., 9 Botany Rd., Waterloo	339530	Premise Match	73m	North West
SECOND-HAND DEALERS	Soros, A. (Clothing), 11 Botany Rd., Waterloo	248882	Premise Match	73m	North West
BUTCHERS-RETAIL	Caldwell, L. J., 7 Botany Rd., Waterloo	279992	Premise Match	74m	North West
BUTCHERS-RETAIL	Sankey's Butchery, 7 Botany Rd., Waterloo	281122	Premise Match	74m	North West
DRAPERS-RETAIL	Redfern Bargain Store, 5a Botany Rd., Waterloo	298097	Premise Match	75m	North West
SCREWS-METAL THREAD-MFRS.	Cooke Sidney (United Nail) Pty Ltd 40-46 McEvoy St., Waterloo	248719	Premise Match	75m	South
WIREWORKERS-GENERAL	Cooke, S. (United Nail) Pty. Ltd.. McEvoy St., Waterloo	263436	Premise Match	75m	South
WASHER MANUFACTURERS	Cooke, Sidney (United Nail) Pty. Ltd., 40-46 McEvoy St., Waterloo	261418	Premise Match	75m	South
SCREW-WOOD-MFRS.	Cooke, Sidney (United Nail) Pty. Ltd., 40-46 McEvoy St., Waterloo	248745	Premise Match	75m	South
RIVET MANUFACTURERS	Cooke, Sidney (United Nail) Pty. Ltd., 40-46 McEvoy St., Waterloo	246117	Premise Match	75m	South
NAIL/STAPLE MFRS.	Cooke, Sidney (United Nail) Pty. Ltd., 40-46 McEvoy St., Waterloo	352936	Premise Match	75m	South
HARDWARE MANUFACTURERS	Cooke, Sidney (United Nail) Pty. Ltd., McEvoy St., Waterloo	323589	Premise Match	75m	South
SCREWS-METAL THREAD-MFRS.	Cooke, Sydney (United Nail) Pty. Ltd., 40-46 McEvoy St., Waterloo	248720	Premise Match	75m	South
FRUIT JUICE EXTRACT MFRS./ MERCHANTS	Kia-ora Industries Ltd., 40-44 McEvoy St., Alexandria	314615	Premise Match	75m	South
MILK BAR/CONFECTIONERS' SUPPLIES	Kla-Ora Industries Ltd., 40-44 McEvoy St., Alexandria	338590	Premise Match	75m	South
DRAPERS-RETAIL	Doyle, A., 175 Pitt St., Redfern	297851	Premise Match	76m	North

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FURNITURE-TUBULAR STEEL-MFRS. &/OR W'SALERS	Betta Chrome Furniture Pty. Ltd., 167 Botany Rd., Waterloo	318283	Premise Match	76m	South West
CONCRETE CONTRACTORS-CONSTRUCTIONAL	Cement Gun Pty Ltd 189 Botany Rd., Waterloo	292182	Premise Match	82m	South
SWIMMING POOL CONSTRUCTION CONTRACTORS	Cement Gun Pty Ltd 189 Botany Rd., Waterloo	254721	Premise Match	82m	South
SAND BLASTERS	Cement Gun Pty. Ltd., 189 Botany Rd., Waterloo	247343	Premise Match	82m	South
CONCRETE CONTRACTORS-CONSTRUCTIONAL	Cement Gun Pty. Ltd., 189 Botany Rd., Waterloo	292183	Premise Match	82m	South
CONCRETE GUN MFRS.	Cement Gun Pty. Ltd., 189 Botany Rd., Waterloo	292329	Premise Match	82m	South
SWIMMING POOL CONSTRUCTION CONTRACTORS	Cement Gun Pty. Ltd., Gunite Hse., 189 Botany Rd., Waterloo	254722	Premise Match	82m	South
ENGINEERS-GENERAL/MFRG./ MECHANICAL	Nettlefolds Pty. Ltd. (Bright Bolt & Nut Division), 189 Botany Rd., Waterloo	306830	Premise Match	82m	South
ENGINEERS-REPETITION	Nettlefolds Pty. Ltd., 189 Botany Rd., Waterloo	308282	Premise Match	82m	South
CHAIR MANUFACTURERS	Hare A Murray Pty. Ltd., 66 Botany St., Redfern	286331	Premise Match	84m	North West
FISH MERCHANTS-RETAIL	Sanford, G. K., 146 Renwick St., Redfern	311201	Premise Match	86m	North West
DRAPERS-RETAIL	Winn & Sons Pty. Ltd., 199 Regent St., Redfern	298223	Premise Match	95m	North West
DEPARTMENTAL STORES	Winn & Sons Pty. Ltd., 199 Regent St., Redfern	296641	Premise Match	95m	North West
WOODWORKERS/TURNERS	Reliance Woodworking Co., 44 Douglas St., Redfern	263654	Premise Match	98m	North
HOTELS—LICENSED	Iron Duke Hotel, 220 Botany Rd., Alexandria	325457	Premise Match	99m	South
SANDWICH/LUNCHEON SHOPS	T. & S. (Gibson) Canteen, 62 McEvoy St., Alexandria	247674	Premise Match	99m	South
CLOTHING MFRS. &/OR W'SALERS-LADIES' DRESSES & GOWNS	Hallson Garments, 60 Botany St., Redfern	290121	Premise Match	103m	North West
MOTOR GARAGES & ENGINEERS	Town Auto Repairs, 60 Botany St. REDFERN	348313	Premise Match	103m	North West
MOTOR BODY BUILDERS	Town Auto Repairs, 60 Botany St., Redfern	344231	Premise Match	103m	North West
MOTOR PANEL BEATERS	Town Auto Repairs, 60 Botany St., Redfern	350027	Premise Match	103m	North West
MOTOR PAINTERS	Town Auto Repairs, 60 Botany St., Redfern	349233	Premise Match	103m	North West
SPRAYERS-INDUSTRIAL	Town Auto Repairs, 60 Botany St., Redfern	252408	Premise Match	103m	North West
IMPORTERS	Downes Distributing Co. Pty. Ltd., 204 Botany Rd., Alex	326285	Premise Match	108m	South West
MERCHANTS/IMPORTERS	Downs Distributing Co. Pty. Ltd., 204 Botany Rd., Alex	337362	Premise Match	108m	South West
FOOD EXPORTERS	Downs Distributing Co. Pty. Ltd., 204 Botany Rd., Alex	312374	Premise Match	108m	South West
FOOD IMPORTERS	Downs Distributing Co. Pty. Ltd., 204 Botany Rd., Alex	312413	Premise Match	108m	South West
FOOD PROCESSORS/PACKERS	Downs Distributing Co. Pty. Ltd., 204 Botany Rd., Alex	312512	Premise Match	108m	South West
EXPORTERS	Downs Distributing Co. Pty. Ltd., 204 Botany Rd., Alexandria	309110	Premise Match	108m	South West
GROCERS-WHOLESALE	Downs Distributing Co. Pty. Ltd., 204 Botany Rd., Alexandria	321475	Premise Match	108m	South West
CANNERS & CANNED FOOD SPECIALISTS	Downs Distributing Co. Pty. Ltd., 204 Botany Rd., Alexandria	283552	Premise Match	108m	South West
GROCERS-WHOLESALE	Group Buyers & Distributors, 204 Botany Rd., Alexandria & Branches	321486	Premise Match	108m	South West
BEAUTY SALONS & LADIES' HAIRDRESSERS	"Noriee" Salon, 42 Botany Rd., Alexandria	272183	Premise Match	111m	North West
JEWELLERS/WATCHMAKERS—RETAIL	Broadbent, George, 193 Regent St., Redfern	329064	Premise Match	111m	North West

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BATTERY SERVICE STATIONS	Hy-Beam Electric Pty. Ltd., 93 Botany St., Redfern	272044	Premise Match	111m	North West
ELECTRIC MOTORS-REPAIRERS/HIRERS	Hy-Beam Electric Pty. Ltd., 95 Botany St., Redfern	301156	Premise Match	111m	North West
MOTOR ELECTRICIANS	Hy-Beam Electric Pty. Ltd., 95 Botany St., Redfern	346073	Premise Match	111m	North West
PHOTOGRAPHERS—PORTRAIT	Relma Studios, 193a Regent St., Redfern	357792	Premise Match	111m	North West
ELECTRICAL SUPPLIES/APPLIANCES RETAILERS	Watson, P. J. Pty. Ltd., 193 Regent St. Redfern	303461	Premise Match	111m	North West
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Monaca Cafe, 132 Botany Rd., Alexandria	282370	Premise Match	111m	West
REAL ESTATE AGENTS/VALUERS	Silver & Co., 130 Botany Rd. ALEXANDRIA	364932	Premise Match	111m	West
READY-CUT HOMES	Silver & Co., 130 Botany Rd., Alexandria	364915	Premise Match	111m	West
BUSINESS AGENTS &/OR BROKERS	Silver & Co., 130 Botany Rd., Alexandria	279670	Premise Match	111m	West
BATH & SINK HEATER REPAIRS	Mathlas & Co., 56 Botany St., Redfern	271693	Premise Match	112m	North West
BUTCHERS-RETAIL	Rawling, Cec. & Son, 54 Botany Rd., Alexandria	281045	Premise Match	112m	North West
CHEMISTS-PHARMACEUTICAL	Korrs Pharmacy, 52 Botany Rd., Alexandria	287768	Premise Match	113m	North West
SECOND-HAND DEALERS	Parsielo, K. (Clothing), 50 Botany Rd., Alexandria	248853	Premise Match	113m	North West
SIGNWRITERS	Reynolds, Norman Limited, 62-64 Botany St., Redfern	250396	Premise Match	114m	West
PAINT, VARNISH, OILS/COLOUR MERCHANTS	Reynolds. Norman Limited, 62-64 Botany St., Redfern	355733	Premise Match	114m	West
HOTELS—LICENSED	Cricketers' Arms Hotel, 56-58 Botany Rd^ Alexandria	325264	Premise Match	115m	North West
POULTRY DEALERS-RETAIL	Haywood, W., 191 Regent St., Redfern	361480	Premise Match	115m	North West
DANCING TEACHERS & STUDIOS	Haywood's (Miss) School of Dancing, 191 Regent St., Redfern	294461	Premise Match	115m	North West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Premier Furniture, 60 Botany Rd., Waterloo	317597	Premise Match	115m	North West
SILK SCREENERS' SUPPLIERS	Reynolds, Norman Limited, 62 Botany St., Redfern	250574	Premise Match	115m	North West
PRINTERS-LETTERPRESS	Modern Packages Pty. Ltd., 222 Botany Rd., Alexandria	362310	Premise Match	116m	South
PAPER CONTAINER MFRS.	Modern Packages Pty. Ltd., 222 Botany Rd., Alexandria	356743	Premise Match	116m	South
PRINTERS-LITHOGRAPHIC	Modern Packages Pty. Ltd., 222-224 Botany Rd., Alex	362577	Premise Match	116m	South
LABELS—GENERAL	Modern Packages Pty. Ltd., 222-244 Botany Rd., Alex	330410	Premise Match	116m	South
PACKAGING/PACKING SPEC.	Modern Packages Pty. Ltd., 222-244 Botany Rd., Alexandria	355310	Premise Match	116m	South
PACKAGING/PACKING SPEC.	View Packs Pty. Ltd., 222 Botany Rd., Alexandria	355357	Premise Match	116m	South
PACKAGING/PACKING SPEC.	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	355359	Premise Match	116m	South
PRINTERS-LITHOGRAPHIC	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	362617	Premise Match	116m	South
PRINTERS-LETTERPRESS	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	362516	Premise Match	116m	South
CARDBOARD BOX & CARTON MANUFACTURERS	Wilmers & Gladwin Pty. Ltd., 222 Botany Rd., Alexandria	284040	Premise Match	116m	South
HOTELS—LICENSED	George Hotel (The), 760 Elizabeth St., Waterloo	325340	Premise Match	117m	East
SECOND-HAND DEALERS	McRae, L., 192 Botany Rd., Alexandria	248844	Premise Match	117m	South West
RADIO, RADIOGRAM & TELEVISION CABINET MFRS.	Invincible Cabinet Pty. Ltd. (Plant 2), 82 Botany Rd., Waterloo	364673	Premise Match	117m	West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Seymour, F. & Son Pty. Ltd., 80 Botany Rd., Waterloo	317618	Premise Match	117m	West

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FURNITURE-OCCASIONAL-MFRS. &/OR WHOLESALERS	Seymour, F. & Son Pty. Ltd., 80 Botany Rd., Waterloo	318112	Premise Match	117m	West
HARDWARE DEALERS/IRONMONGERS	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd ALEXANDRIA	323032	Premise Match	118m	South West
DISINFECTANT MFRS. &/OR DISTS.	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	297085	Premise Match	118m	South West
SOAP MFRS.-LIQUID	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	250902	Premise Match	118m	South West
PACKAGING/PACKING SPEC.	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	355281	Premise Match	118m	South West
PAINTERS' SUPPLIES/REQUISITES	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	356536	Premise Match	118m	South West
PAINT, VARNISH, OILS/COLOUR MERCHANTS	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	355626	Premise Match	118m	South West
OILS—LUBRICATING—MERCHANTS	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	354725	Premise Match	118m	South West
MOTOR OIL/GREASE MFRS.	Crown Lubricants & Manufacturing Co., 186-190 Botany Rd., Alexandria	348564	Premise Match	118m	South West
FEATHER DUSTER MFRS. &/OR DIST.	Kin-Lock, S. H., 184 Botany Rd., Alexandria	309766	Premise Match	118m	South West
BOOT & SHOE REPAIRERS	Hynes, V., 756 Elizabeth St., Waterloo ,	274888	Premise Match	119m	East
MIXED BUSINESS	Remfrey, G. & L., 673 Elizabeth St., Waterloo	342203	Premise Match	119m	East
FOOTWEAR RETAILERS	"Ida" Shoe Store, 38 Botany Rd., Alexandria	313014	Premise Match	119m	North West
FRUITERERS/GREENGROCERS	Pon Kla Sam, 40 Botany Rd., Alexandria	316005	Premise Match	119m	North West
GIFT SHOPS	Remm's Gifts, 189 Regent St., Redfern	318987	Premise Match	119m	North West
STEEL MERCHANTS-ALLOY/TOOL STEEL	Bohier Steels Pty. Ltd., 146 Botany St., Waterloo	253652	Premise Match	119m	South West
STEEL MERCHANTS-GENERAL	Bohier Steels Pty. Ltd., 146 Botany St., Waterloo	253700	Premise Match	119m	South West
STEEL IMPORTERS	Bonier Steels Pty. Ltd., 146 Botany St., Waterloo	253602	Premise Match	119m	South West
HAIRDRESSERS (GENT.'S) /TOBACCONISTS	Burow, R., 148 Botany Rd., Alexandria	321870	Premise Match	119m	South West
SANDWICH/LUNCHEON SHOPS	Richardson, N. K. & E. D., 146 Botany Rd., Alexandria	247631	Premise Match	119m	South West
MOTOR BODY REPAIRS/CONVERTERS	Summer Motors, 144 Botany Rd., Alexandria	344450	Premise Match	119m	South West
MOTOR PAINTERS	Summer Motors, 144 Botany Rd., Alexandria	349205	Premise Match	119m	South West
MOTOR PANEL BEATERS	Summer Motors, 144 Botany Rd., Alexandria	349997	Premise Match	119m	South West
MOTOR TRIMMERS	Summer Motors, 144 Botany Rd., Alexandria	352376	Premise Match	119m	South West
SCRAP METAL MERCHANTS	Landow Bros., 6 Henderson Rd., Alexandria	248659	Premise Match	119m	West
LEAD MERCHANTS/SUPPLIERS	Landow Bros., 6 Henderson Rd., Alexandria	330966	Premise Match	119m	West
METAL MERCHANTS	Landow Bros., 6 Henderson Rd., Alexandria	338064	Premise Match	119m	West
FURNITURE/CABINET MAKERS' HARDWARE MFRS.	Lock Lee & Co., 136 Botany Rd., Alexandria	317206	Premise Match	119m	West
FURNITURE-BEDROOM-MFRS. &/OR WHOLESALERS	Lock, Lee & Co., 136 Botany Rd., Alexandria	317280	Premise Match	119m	West
FURNITURE-OCCASIONAL-MFRS. &/OR WHOLESALERS	Lock, Lee & Co., 136 Botany Rd., Alexandria	318100	Premise Match	119m	West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Lock, Lee & Co., 136 Botany Rd., Alexandria	317545	Premise Match	119m	West
EASTERN GOODS MERCHANTS	Lock, Lee & Co., 136 Botany Rd., Alexandria	300061	Premise Match	119m	West
FURNITURE-OFFICE-MFRS.	Lock, Lee &. Co., 136 Botany Rd., Alexandria	318159	Premise Match	119m	West
MOTOR GARAGES & ENGINEERS	Skinner, F. L. & Sons, 102 Botany Rd., ALEXANDRIA	348138	Premise Match	119m	West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
PICTURE FRAME MFRS.	Swan Picture Frame Mfrs 100 Botany Rd., Alexandria	358288	Premise Match	119m	West
PICTURE FRAME MFRS.	Swan Picture Frame Mfrs., 100 Botany Rd., Alexandria	358289	Premise Match	119m	West
FISH MERCHANTS-RETAIL	Tasty Fish & Chips Stall, 136a Botany Rd., Alexandria	311251	Premise Match	119m	West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Waterloo Auto Port, 104 Botany Rd., ALEXANDRIA	351261	Premise Match	119m	West
FOOTWEAR RETAILERS	Ada Shoe Store, 36 Botany Rd., Alexandria	313024	Premise Match	120m	North West
DELICATESSENS	Ideal Food Store (The), 28 Botany Rd., Alexandria	294912	Premise Match	120m	North West
MERCERS—MEN'S & BOYS' OUTFITTERS	Lang's Mercery, 36 Botany Rd., Alexandria	336991	Premise Match	120m	North West
BOOKBINDERS	Berk Printing Co. Pty. Ltd,., 94 Botany Rd., Alexandria	274189	Premise Match	120m	West
LABELS—GENERAL	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	330406	Premise Match	120m	West
PRINTERS-LETTERPRESS	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	362036	Premise Match	120m	West
PRICE TICKETING SYSTEM MFRS.	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	361814	Premise Match	120m	West
TICKET/TAG MFRS.	Berk Printing Co. Pty. Ltd., 94 Botany Rd., Alexandria	256882	Premise Match	120m	West
FRUITERERS/GREENGROCERS	Fanshu, D., 118 Botany Rd., Alexandria	315340	Premise Match	120m	West
METAL MERCHANTS	Feneck, J., 108 Botany Rd., Alexandria	338056	Premise Match	120m	West
MACHINE TOOL MFRS./IMPORTERS/DISTRIBUTORS	Feneck, J., 108 Botany Rd., Alexandria	332328	Premise Match	120m	West
MACHINERY DEALERS—SECOND-HAND	Feneck, J., 108 Botany Rd., Alexandria	332405	Premise Match	120m	West
MANUFACTURERS' AGENTS	S.O.M. Trading Co., 94 Botany Rd., Alexandria	333789	Premise Match	120m	West
SAND BLASTERS	Cement Gun Pty Ltd 198 Botany Rd., Waterloo	247342	Premise Match	121m	South West
ELECTRICAL SUPPLIES/APPLIANCES RETAILERS	Home Appliances, 138 Botany Rd., Alexandria	303201	Premise Match	121m	South West
RADIO &/OR TELEVISION SALES & SERVICEMEN	Morrow, E. A. & Co., 138 Botany Rd. ALEXANDRIA	363881	Premise Match	121m	South West
TELEVISION EQUIPMENT IMPORTS., MFRS. &/OR DISTS.	Morrow, E. A. & Co., 138 Botany Rd., Alexandria	255947	Premise Match	121m	South West
ELECTRICAL SUPPLIES/APPLIANCES-WHOLESALE	Morrow, E. A. & Co., 138 Botany Rd., Alexandria	303590	Premise Match	121m	South West
PLYWOOD MFRS./MERCHANTS	Perforplate Co., 138 Botany Rd., Alexandria	361177	Premise Match	121m	South West
WALLBOARD MFRS.	Perforplate Co., 138-142 Botany Rd., Alexandria	261254	Premise Match	121m	South West
ACOUSTIC MATERIALS MFRS.	Perforplate Co., 138-142' Botany Rd., Alexandria	266059	Premise Match	121m	South West
BUILDING ALTERATIONS & REPAIRS	Veney, G. C. & Sons, 138-142 Botany Rd., Alexandria	278536	Premise Match	121m	South West
PLUMBERS, GASFITTERS/DRAINLAYERS	Veney, G. C. & Sons, 138-142 Botany Rd., Alexandria	360861	Premise Match	121m	South West
HOUSE MAINTENANCE SPECS.	Veney, G. C. 8. Sons, 138-142 Botany Rd., Alexandria	325987	Premise Match	121m	South West
HARDWARE DEALERS/IRONMONGERS	Katz, James, 12 Botany Rd. ALEXANDRIA	323034	Premise Match	122m	North West
GIFT SHOPS	Pipal, H. & A., 14 Botany Rd., Alexandria	318973	Premise Match	122m	North West
TOY DEALERS-RETAIL	Pipal, H. & A., 14 Botany St., Alexandria	258596	Premise Match	122m	North West
MOTOR PANEL BEATERS	Roma Motor Body Repairs, 12 Botany Rd., Redfern	349915	Premise Match	122m	North West
MOTOR PAINTERS	Roma Motor Body Repairs, 12 Botany Rd., Redfern	349135	Premise Match	122m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
ELECTRICAL CONTRACTORS-LICENSED	McKenny & Co Pty Ltd 64 McEvoy St., Alexandria	302254	Premise Match	122m	South
ENGINEERS-ELECTRICAL	McKenny & Co Pty Ltd 64 McEvoy St., Alexandria	305536	Premise Match	122m	South
ENGINEERS-ELECTRICAL	McKenny & Co. Pty. Ltd., 64 McEvoy St., Alexandria	305537	Premise Match	122m	South
ELECTRICAL CONTRACTORS-LICENSED	McKenny & Co. Pty. Ltd., 64 McEvoy St., Alexandria	302255	Premise Match	122m	South
ELECTRIC MOTORS-REPAIRERS/HIRERS	McKenny & Co. Pty. Ltd., 64 McEvoy St., Alexandria	301164	Premise Match	122m	South
ELECTRIC MOTOR INSTALLATION/MAINTENANCE SPECIALISTS	McKenny & Co. Pty. Ltd., 64 McEvoy St., Alexandria	300912	Premise Match	122m	South
ELECTRIC MOTOR WINDING/REWINDING SPECIALISTS	McKenny & Co. Pty. Ltd., 64 McEvoy St., Alexandria	300980	Premise Match	122m	South
NEWSAGENTS	Callaway, E. W. & Son, 8 Botany Rd., Alexandria	353093	Premise Match	123m	North West
FOOTWEAR RETAILERS	Glass' Personality Shoes, 22-26 Botany Rd., Alexandria	313121	Premise Match	123m	North West
HAIRDRESSERS (GENT.'S) /TOBACCONISTS	McLeod, F., 18 Botany Rd., Alexandria	322308	Premise Match	123m	North West
TAILORS-LADIES'/GENT.'S	Pavlou, G., 16 Botany St., Redfern	255059	Premise Match	123m	North West
NEWSAGENTS	Walsh & Hoskin, 8 Botany Rd., Redfern	353483	Premise Match	123m	North West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Darlington Cabinet Works, 170 Botany Rd., Waterloo	317469	Premise Match	123m	South West
HOTELS—LICENSED	Star Hotel, 170 Botany Rd., Alexandria	325675	Premise Match	123m	South West
JEWELLERS—COSTUME—RETAIL	Brandons, 6 Botany Rd., Alexandria	329445	Premise Match	124m	North West
FROCK & COAT SALONS	Glover, S., 6 Botany Rd., Redfern	314188	Premise Match	124m	North West
INSECTICIDE MFRS.	Crown Lubricants Mfrg. Co., 154 Botany Rd., Alexandria	327139	Premise Match	124m	South West
CABINETMAKERS	Lee, A. P. & Son, 156 Botany Rd., Alexandria	281759	Premise Match	124m	South West
FURNITURE-OFFICE-MFRS.	Lee, A. P. & Sons, 156 Botany Rd., Alexandria	318157	Premise Match	124m	South West
FURNITURE-GENERAL-MFRS. &/OR WHOLESALERS	Lee, A. P. & Sons, 156 Botany Rd., Alexandria	317542	Premise Match	124m	South West
FURNITURE REPAIRERS/REMODELLERS	Lee, A. P. & Sons, 156 Botany Rd., Alexandria	317174	Premise Match	124m	South West
PAWNBROKERS/MONEYLENDERS	Brandons, 2-4 Botany Rd., Alexandria	357241	Premise Match	125m	North West
TRAVEL GOODS RETAILERS	Brandons, 2-4 Botany Rd., Alexandria	259591	Premise Match	125m	North West
BEAUTY SALONS & LADIES' HAIRDRESSERS	La Belle Beauty Salon, 746 Elizabeth St., Waterloo	272533	Premise Match	126m	East
CAKE SHOPS & PASTRYCOOKS	McAllum, H. M., 185 Regent St., Redfern	283155	Premise Match	126m	North West
CAKE SHOPS & PASTRYCOOKS	Val Cakes, 185 Regent St., Redfern	283376	Premise Match	126m	North West
FURNITURE/CABINET MAKERS' HARDWARE MFRS.	Hoe, John & Co. Pty. Ltd., Botany Rd. & Allen St., Wtloo	317204	Premise Match	127m	South
FURNITURE-UNIT-MFRS. &/OR WHOLESALERS	Hoe, John & Co. Pty. Ltd., Botany Rd. & Allen St., Wtloo	318350	Premise Match	127m	South
FURNITURE-OFFICE-MFRS.	Hoe, John &. Co. Pty. Ltd., Allen St., Waterloo	318153	Premise Match	127m	South
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Rachel Forster Cafeteria, 134 Pitt St., Redfern	282477	Premise Match	128m	North
HOSPITALS-PUBLIC	Rachel Forster Hospital, 150 Pitt St., Redfern	324882	Premise Match	128m	North
BOOT & SHOE REPAIRERS	Andys, 3 Henderson Rd., Alexandria	274593	Premise Match	131m	North West
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Kyriacou, M. (Mrs.), 3a Henderson Rd., Alexandria	282284	Premise Match	131m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
HAIRDRESSERS (GENT.'S) /TOBACCONISTS	Lepouris Bros., 740 Elizabeth St., Waterloo	322237	Premise Match	132m	East
HOTELS—LICENSED	Glenroy Hotel, 242 Botany Rd., Alexandria	325347	Premise Match	132m	South
TAXIS	Staples, H. W., 34 Douglas St., Redfern	255763	Premise Match	133m	North
ANIMAL & BIRD FOOD SUPPLIES	Clarke, E. & Sons, 158 Regent St., Redfern (Bird Seed)	267856	Premise Match	133m	North West
FUEL MERCHANTS-COAL/COKE, WOOD	Clarke, E., 158 Regent St., Redfern	316529	Premise Match	133m	North West
PRODUCE MERCHANTS-GRAIN & SEED-RETAIL	Clarke, E., 158 Regent St., Redfern	362709	Premise Match	133m	North West
MOTOR CAR/TRUCK DEALERS—NEW/USED	Molloy Motors, 5 Buckland St., Alexandria	345241	Premise Match	133m	West
AIR POWER EQUIPMENT MFRS.	Airspeed Products 183 Regent St., Redfern	267304	Premise Match	134m	North West
ENGINEERS-COMPRESSED AIR	Airspeed Products, 183 Regent St., Redfern	304920	Premise Match	134m	North West
ENGINEERS-GENERAL/MFRG./ MECHANICAL	Airspeed Products, 183 Regent St., Redfern	306105	Premise Match	134m	North West
ENGINEERS-PRODUCTION	Airspeed Products, 183 Regent St., Redfern	307908	Premise Match	134m	North West
ENGINEERS-PRECISION	Airspeed Products, 183 Regent St., Redfern	307727	Premise Match	134m	North West
PNEUMATIC TOOL MFRS.	Airspeed Products, 183 Regent St., Redfern	361211	Premise Match	134m	North West
BOX & CASE MERCHANTS &/OR MANUFACTURERS	Dicksons Case Factory, 77-85 Botany St., Redfern	275532	Premise Match	134m	North West
BOILERMAKERS	Australian Arc Welding Co., 154 Regent St., Redfern	273879	Premise Match	138m	North West
ENGINEERS-FABRICATING	Australian Arc Welding Co., 154 Regent St., Redfern	305700	Premise Match	138m	North West
WELDERS-ELECTRIC &/OR OXY	Australian Arc Welding Co., 154 Regent St., Redfern	261874	Premise Match	138m	North West
BOILER INSPECTORS	Connie A 156 Regent St., Redfern	273839	Premise Match	138m	North West
ENGINEERS-CONSULTING	Connie, A., 156 Regent St., Redfern	305053	Premise Match	138m	North West
MEDICAL PRACTITIONERS	Guyot, R., 671 Elizabeth St., Waterloo	335306	Premise Match	141m	East
PIE MAKERS	Scotts Provision Stores Pty. Ltd., 170 George St., Redfern	358585	Premise Match	145m	North
WASTE PRODUCT MERCHANTS	Cleaning Waste Pty. Ltd., 216 Wyndham St., Alexandria	261560	Premise Match	145m	South West
CHURCH MARBLE WORKERS	Cleaning Waste Pty. Ltd., 216 Wyndham St., Alexandria	288744	Premise Match	145m	South West
COTTON WASTE MERCHANTS	Cleaning Waste Pty. Ltd., 216 Wyndham St., Alexandria	293443	Premise Match	145m	South West
COTTON WASTE MFRS.	Cleaning Waste Pty. Ltd., 216 Wyndham St., Alexandria	293478	Premise Match	145m	South West
FUNERAL DIRECTORS	Hollywood Textiles Pty Ltd 216-220 Wyndham St, Alexandria	316693	Premise Match	145m	South West
CLOTHING MFRS. &/OR W'SALERS-DRESSING GOWNS	Hollywood Textiles Pty Ltd 216-220 Wyndham St., Alexandria	289321	Premise Match	145m	South West
CARPET & FLOOR COVERING MANUFACTURERS	Hollywood Textiles Pty Ltd 216-220 Wyndham St., Alexandria	284268	Premise Match	145m	South West
FUNERAL DIRECTORS	Hollywood Textiles Pty. Ltd, 216 Wyndham St., Alexandria	316694	Premise Match	145m	South West
CHENILLE & CHENILLE GOODS MANUFACTURERS	Hollywood Textiles Pty. Ltd., 216 Wyndham SI., Alexandria	288264	Premise Match	145m	South West
CLOTHING MFRS. &/OR W'SALERS-DRESSING GOWNS	Hollywood Textiles Pty. Ltd., 216 Wyndham St., Alexandria	289322	Premise Match	145m	South West
CARPET & FLOOR COVERING MANUFACTURERS	Hollywood Textiles Pty. Ltd., 216 Wyndham St., Alexandria	284269	Premise Match	145m	South West
TEXTILE MERCHANTS	Hollywood Textiles Pty. Ltd., 216 Wyndham St., Alexandria	256585	Premise Match	145m	South West
CHURCH MARBLE WORKERS	Howfetts Trading Pty. Ltd., 216-220 Wyndham St., Alexandria	288759	Premise Match	145m	South West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TEXTILE WASTE MERCHANTS	Howlett's Trading Pty. Ltd., 216 Wyndham St., Alexandria	256729	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS	Howletts Trading Pty. Ltd., 216 Wyndham St., Alexandria	261573	Premise Match	145m	South West
COTTON WASTE MERCHANTS	Howletts Trading Pty. Ltd., 216 Wyndham St., Alexandria	293456	Premise Match	145m	South West
CHENILLE & CHENILLE GOODS MANUFACTURERS	Nollywooo Textiles Pty Ltd 216-220 Wyndham St., Alexandria	288267	Premise Match	145m	South West
EXPORTERS	Powell Exports Pty. Ltd., 216-220 Wyndham St., Alexandria	309348	Premise Match	145m	South West
WOOL WASTE MERCHANTS	Powell Exports Pty. Ltd., 216-220 Wyndham St., Alexandria	264086	Premise Match	145m	South West
WATCH BAND & CASE MFRS. &/OR DISTRIBUTORS	Powell, L. T. Pty. Ltd., 216 Wyndham St., Alexandria	261605	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS	Powell, Leslie T. Pty. Ltd., 216 Wyndham St., Alexandria	261579	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS	Powell, Leslie T. Pty. Ltd., 216 Wyndham St., Alexandria	256736	Premise Match	145m	South West
CHURCH MARBLE WORKERS	Powell, Leslie T. Pty. Ltd., 216 Wyndham St., Alexandria	288763	Premise Match	145m	South West
COTTON WASTE MFRS.	Powell, Leslie T. Pty. Ltd., 216 Wyndham St., Alexandria	293490	Premise Match	145m	South West
COTTON WASTE MERCHANTS	Power, Leslie T. Pty. Ltd., 216 Wyndham St., Alexandria	293463	Premise Match	145m	South West
COTTON WOOL & WADDING MANUFACTURERS	Stanlee Pty. Ltd,. 216 Wyndham St., Alexandria	293504	Premise Match	145m	South West
COTTON WASTE MFRS.	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	293493	Premise Match	145m	South West
COTTON WASTE MERCHANTS	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	293464	Premise Match	145m	South West
CHURCH MARBLE WORKERS	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	288766	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	256739	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS	Stanlee Pty. Ltd., 216 Wyndham St., Alexandria	261586	Premise Match	145m	South West
COOPERS & VAT MAKERS	Still, W. M. & Co., 66-68 McEvoy St., Alexandria	293138	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS	Textile-Raw Materials Pty Ltd 216 Wyndham St., Alexandria	256742	Premise Match	145m	South West
TEXTILE WASTE MERCHANTS	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alex	256743	Premise Match	145m	South West
WASTE PRODUCT MERCHANTS	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alex	261588	Premise Match	145m	South West
COTTON WASTE MERCHANTS	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alex.	293467	Premise Match	145m	South West
EXPORTERS	Textile-Raw Materials Pty. Ltd., 216 Wyndham St., Alexandria	309420	Premise Match	145m	South West
TEXTILE DYERS	Wyndham Textile Industries Pty. Ltd., 216 Wyndham St., Alexandria	256262	Premise Match	145m	South West
DYERS/BLEACHERS-TRADE	Wyndham Textile Industries Pty. Ltd., 216-220 Wyndham St., Alexandria	299656	Premise Match	145m	South West
ENGINEERS-REPETITION	Custom Tool & Engineering Co, 7 Henderson Rd., Alexandria	308184	Premise Match	146m	North West
ENGINEERS-GENERAL/MFRG./ MECHANICAL	Custom Tool Engineering Co., 7 Henderson Rd., Alexandria	306350	Premise Match	146m	North West
CARRIERS & CARTAGE CONTRACTORS-MASTER	Mayman, W. M. Transport Co., 7 Henderson Rd., Alexandria	285715	Premise Match	146m	North West
MOTOR GARAGES & ENGINEERS	Dalton Motor Garage, 150 Regent St. REDFERN	347006	Premise Match	148m	North West
PLYWOOD MFRS./MERCHANTS	Felbert & Co. Pty. Ltd., 138-146 Regent St., Redfern	361129	Premise Match	148m	North West
PLASTIC GOODS IMPORTERS &/OR DISTRIBUTORS	Folbert & Co. Pty. Ltd., 138-146 Regent St., Redfern	359179	Premise Match	148m	North West
DOOR MANUFACTURERS	Folbert & Co. Pty. Ltd., 138-146 Regent St., Redfern	297529	Premise Match	148m	North West
TIMBER MERCHANTS	Folbert & Co. Pty. Ltd., 138-146 Regent St;, Redfern	257352	Premise Match	148m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
BUILDERS' SUPPLIERS	Folbert S. Co. Pty. Ltd., 138-146 Regent St., Redfern	278183	Premise Match	148m	North West
WOODWORK-REPETITION	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	263759	Premise Match	148m	North West
WIREWORKERS-GENERAL	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	263452	Premise Match	148m	North West
WELDERS-ELECTRIC &/OR OXY	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	262248	Premise Match	148m	North West
SHEET METAL WORKERS	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	249340	Premise Match	148m	North West
BAKERS' & PASTRYCOOKS' MACHINERY MFRS., IMP. &/OR DISTS.	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	270857	Premise Match	148m	North West
BAKERS' & PASTRYCOOKS' SUPPLIES	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	270904	Premise Match	148m	North West
HOTEL EQUIPMENT/SUPPLIES	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	325091	Premise Match	148m	North West
STORE & PACKING ROOM EQUIPMENT MANUFACTURERS &/OR DISTRIBUTORS	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	254443	Premise Match	148m	North West
CAFE EQUIPMENT & SUPPLIES	Mackie, Ern Pty. Ltd., 150 Regent St., Redfern	281876	Premise Match	148m	North West
BUTCHERS' SUPPLIES	Mackle, Ern Pty. Ltd., 150 Regent St., Redfern	279757	Premise Match	148m	North West
DAIRY UTENSILS-MANUFACTURERS &/OR DISTRIBUTORS	Mackle, Ern Pty. Ltd., 150 Regent St., Redfern	294405	Premise Match	148m	North West
TINSMITHS	Mackle, Ern Pty. Ltd., 150 Regent St., Redfern	257664	Premise Match	148m	North West
TRUCKS & TROLLEYS-INDUSTRIAL-IMPORTS. &/OR MFRS.	Mackle, Ern Pty. Ltd., 150 Regent St., Redfern	259709	Premise Match	148m	North West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Tony's Service Station, 150a Regent St. REDFERN	351169	Premise Match	148m	North West
MIXED BUSINESS	O'Grady, T., 726 Elizabeth St., Waterloo	341990	Premise Match	149m	East
DISPLAY FITTINGS-MFRS. &/OR SUPPLIES	Cox, J. William, 143 Pitt St.	297164	Premise Match	149m	North
SCHOOLS-KINDERGARTEN/DAY NURSERY	Redfern Day Nursery, 143 Pitt St., Redfern	248541	Premise Match	149m	North

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1961 Business Directory Records Road or Area Matches

Records from the 1961 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
SMALLGOODS MANUFACTURERS &/OR WHOLESALERS	Cambridge Delicacies Pty. Ltd., Phillip St., Redfern	250791	Road Match	0m
HARDWARE MANUFACTURERS	Mcllwraith Industries Pty. Ltd., Botany Rd., Waterloo	323614	Road Match	59m
ELECTRICAL CONTRACTORS-LICENSED	Sunray Fluorescent Pty. Ltd., James St., Waterloo	302599	Road Match	74m
STRAW ENVELOPE MFRS.	Australian Straw Envelope Co. Pty. Ltd., McEvoy St., Alex.	254457	Road Match	93m
HOTEL EQUIPMENT/SUPPLIES	Mccarthy J Hotel Ware Pty Ltd McEvoy St., Alexandria	325096	Road Match	93m
PRODUCE MERCH.-W'SALE	Maloney, M. Produce Pty. Ltd., Boundary St., Redfern	362925	Road Match	113m
SEED MERCHANTS	Maloney, M. Produce Pty. Ltd., Boundary St., Redfern	248931	Road Match	113m

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Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
RADIO COMPONENT PARTS DEALERS	Arcadian Manufacturing Co. Pty. Ltd., Renwick St., Rdfrn	364529	Road Match	117m
FOOTWEAR MFRS.-BOOTS/SHOES	Redfern Factory Pty. Ltd. (The), Castlereagh St., Redfern	312906	Road Match	136m

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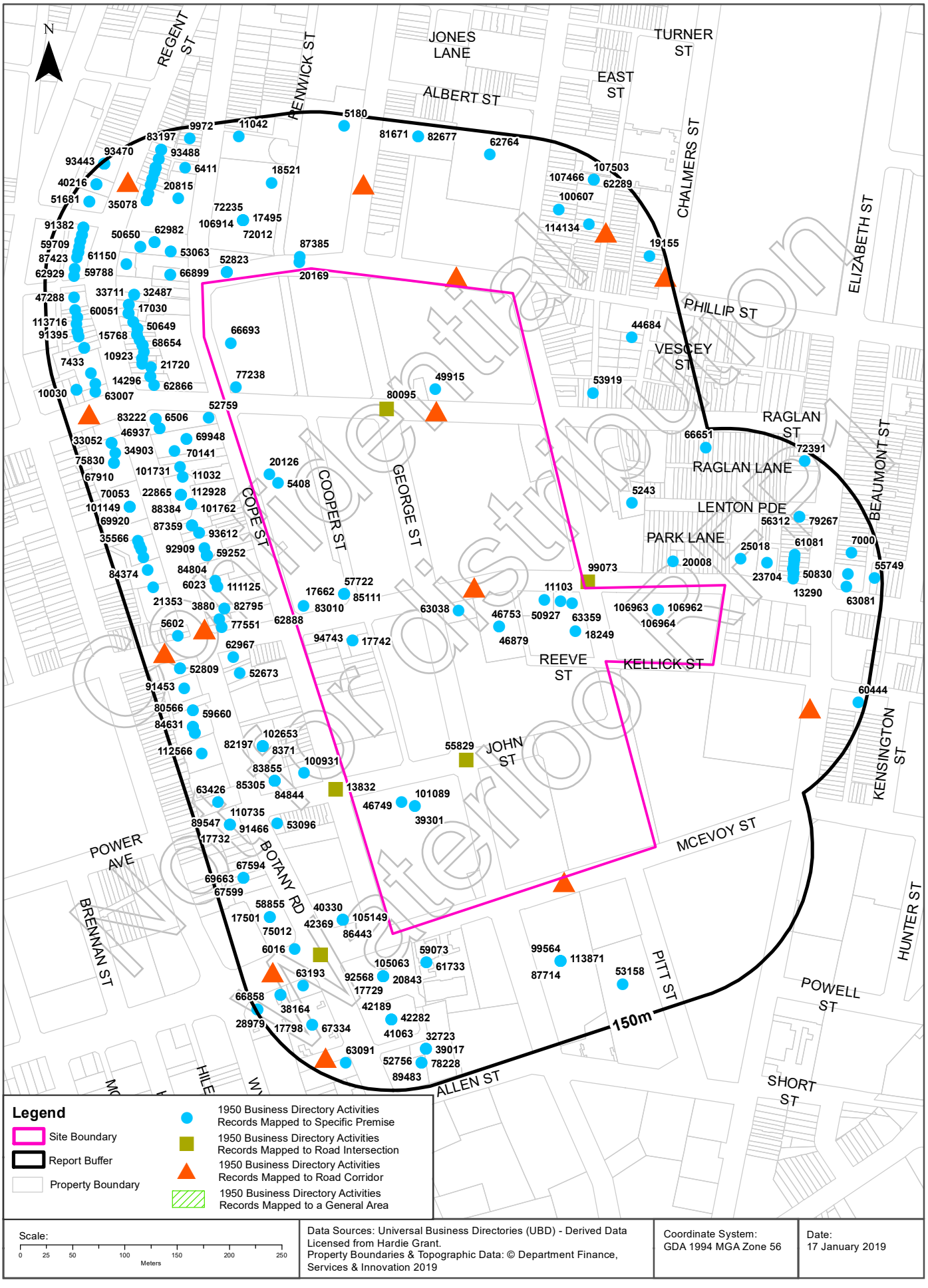
1950 Historical Business Directory Records

Waterloo Precinct - Estate Only, Waterloo, NSW 2017



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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

1950 Business Directory Records
Premise or Road Intersection Matches

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

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
PRINTERS-GENERAL	Argent Manuf. Co. Pty., 116 Wellington St., Waterloo	94743	Premise Match	0m	Onsite
CARDBOARD BOX & CARTON MANUFACTURERS	Argent Manufacturing Co, Pty. Ltd., 116 Wellington St., Waterloo	17742	Premise Match	0m	Onsite
TANNERS	Austral Tannery, 229 Castlereagh St.; 6 Wilton Pl.; 90a Wellington St., Waterloo	106962	Premise Match	0m	Onsite
HOTELS-LICENSED	Australia Hotel, 106 Botany St., Waterloo	62888	Premise Match	0m	Onsite
SECONDHAND DEALERS	Brown, D. W., 51 John St., Waterloo	101089	Premise Match	0m	Onsite
CARRIERS & CARTAGE CONTRACTORS (MASTER)	Campbell, A. E., 66 Botany St., Waterloo	20126	Premise Match	0m	Onsite
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Capitol Shoe Mfg. Co. Pty. Ltd., 49 John St., Waterloo	46749	Premise Match	0m	Onsite
CARPET CLEANERS & SHAMPOOERS	Carpet Cleaners Pty. Ltd., Cnr. Pitt and Reeve Sts., Waterloo	18249	Premise Match	0m	Onsite
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Cinderella Shoes Pty. Ltd., 110 Wellington St., Waterloo	46753	Premise Match	0m	Onsite
FRUITERERS & GREENGROCERS	Damaso, C., 101 Raglan St., Redfern	49915	Premise Match	0m	Onsite
HOTELS-LICENSED	Duke of Wellington, George St., Waterloo	63038	Premise Match	0m	Onsite
JUSTICES OF THE PEACE	Hayward, W., 32 Botany St., Waterloo	66693	Premise Match	0m	Onsite
GROCERS-RETAIL	Heidtmann, G. S., 117 Wellington St., Waterloo	57722	Premise Match	0m	Onsite
MOTOR CYCLE SIDE CAR MANUFACTURERS	Murphy, J. G., 117 Wellington St., Waterloo	83010	Premise Match	0m	Onsite
CARAVAN BUILDERS	Murphy, J. G., 117 Wellington St., Waterloo	17662	Premise Match	0m	Onsite
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Opera Shoe Co., 110 Wellington St., Waterloo	46879	Premise Match	0m	Onsite
BAKERS-BREAD	Original' Bread Roll Bakery, 68 Botany St., Waterloo	5408	Premise Match	0m	Onsite
FRUITERERS & GREENGROCERS	Penrose, E., 100 Wellington St., Waterloo	50927	Premise Match	0m	Onsite
MILK BARS & CONFECTIONERS	Rankine, W., 123 Raglan St., Waterloo	77238	Premise Match	0m	Onsite
HOTELS-LICENSED	Rose of Denmark Hotel, Pitt St., Waterloo	63359	Premise Match	0m	Onsite
BOX & CASE MERCHANTS & MANUFACTURERS	South Sydney Box Factory Pty. Ltd., 102-104 Wellington St., Waterloo	11103	Premise Match	0m	Onsite
ELECTROPLATERS	Waratah Electroplating Co., 51 John St., Waterloo	39301	Premise Match	0m	Onsite
MOTOR PAINTERS	Wiseman's, 117 Wellington St., Waterloo	85111	Premise Match	0m	Onsite
MIXED BUSINESSES & GENERAL STORES	Hall, E., Cnr. George and Raglan Sts., Redfern	80095	Road Intersection	0m	Onsite
GROCERS-RETAIL	Tarn, F. C., Cnr. John and George Sts., Waterloo	55829	Road Intersection	0m	Onsite

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
REFRIGERATOR MFRS.-DOMESTIC-ELECTRIC	Rota-frig Co., Cnr. Pitt and Wellington Sts., Waterloo	99073	Road Intersection	4m	East
PICTURE THEATRE EQUIPMENT & SUPPLIES	Mason, H. L. and Son Pty. Ltd., 14-16 Botany St., Waterloo	92645	Premise Match	7m	North West
FURNISHINGS-SOFT-RETAILERS	Mason, H. L. and Son Pty. Ltd., 14-16 Botany St., Waterloo	52346	Premise Match	7m	North West
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Mason, H. L. and Son Pty. Ltd., 16 Botany St., Waterloo	52823	Premise Match	7m	North West
FURNISHINGS-SOFT-MANUFACTURERS &/OR WHOLESALERS	Mason, H. L. and Sons Pty. Ltd., 14-16 Botany St., Waterloo	52192	Premise Match	7m	North West
CARRIERS & CARTAGE CONTRACTORS (MASTER)	Dorney, F. E., 6 Cooper St., Waterloo	20169	Premise Match	8m	North West
MUSIC TEACHERS	Beath, A. J., 4 Cooper St., Waterloo	87385	Premise Match	12m	North West
BUTCHERS-RETAIL	Lambert, C., Cnr. John and Botany Sts., Waterloo	13832	Road Intersection	13m	South West
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Hollitt, G. and Co., 55 Botany St., Waterloo	52759	Premise Match	19m	North West
CARRIERS & CARTAGE CONTRACTORS	Wallace, P. J., 71 Wellington St., Waterloo	20008	Premise Match	24m	East
CLOTHING MFRS. &/OR WHOLESALERS-GENERAL	Quality Clothing, 49 Wellington St., Waterloo	25018	Premise Match	29m	East
CABINETMAKERS	Hafoma Cabinet Co. Pty. Ltd., 15-19 Botany St., Waterloo	14908	Premise Match	31m	North West
KITCHEN UNIT & CABINET MANUFACTURERS	Hafoma Cabinet Co., 15-19 Botany St., Waterloo	66899	Premise Match	31m	North West
HAT BAND MANUFACTURERS	Hatbands Pty. Ltd., 15-21 McEvoy St., Waterloo	61733	Premise Match	36m	South
HABERDASHERY-WHOLESALE	Hatbands Pty. Ltd., McEvoy St., Waterloo	59073	Premise Match	37m	South
SCHOOLS & COLLEGES-GENERAL	Waterloo Tanning School, Botany St., Waterloo	100931	Premise Match	37m	South West
CHALK & CRAYON MFRS. &/OR IMPORTERS	Columbia Pencil and Crayon Co. Pty., 183 Botany Rd., Waterloo	20843	Premise Match	42m	South
CARBON PAPER MANUFACTURERS	Columbia Ribbon and Carbon Co., 183 Botany Rd., Waterloo	17729	Premise Match	42m	South
MANUFACTURERS' AGENTS	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	70984	Premise Match	42m	South
STATIONERS-WHOLESALE	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	105063	Premise Match	42m	South
TYPEWRITER SUPPLIES	Columbia Writing Products Pty. Ltd., 183 Botany Rd., Waterloo	110751	Premise Match	42m	South
ENGINEERS-FURNACE & COMBUSTION	Engineering and Combustion Co. Pty. Ltd., 171 Botany Rd., Waterloo	40330	Premise Match	42m	South
PIANOLA ROLL MFRS. &/OR DISTRIBUTORS	Horton, G. H. and Co. Ltd., 183. Botany Rd., Waterloo	92568	Premise Match	42m	South
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Presha Engineering Co. (N.S.W.) Pty. Ltd., 171 Botany Rd' Waterloo	41144	Premise Match	42m	South
ENGINEERS-CONSULTING	Presha Engineering Co. (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	40078	Premise Match	42m	South
ENGINEERS-STEAM	Presha Engineering Co. (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	42369	Premise Match	42m	South
STEAM PLANT EQUIPMENT MANUFACTURERS &/OR DISTRIBUTORS	Presha Engineering Co. (N.S.W.) Pty. Ltd., 171 Botany Rd., Waterloo	105149	Premise Match	42m	South
MOTOR SERVICE STATIONS-PETROL, Etc.	Super Service Station, 173 Botany Rd., Waterloo	86443	Premise Match	42m	South
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Seymour, F. B., 11 Botany St., Waterloo	52916	Premise Match	43m	North West
FURNITURE MANUFACTURERS-OCCASIONAL	Seymour, F., 11 Botany St., Waterloo	53063	Premise Match	43m	North West
CLOTHING MANUFACTURERS &/OR WHOLESALERS-MEN'S & BOYS	Quality Clothing, 47 Wellington St., Waterloo	23704	Premise Match	45m	East
MACHINERY DEALERS-SECONDHAND	Skinner, J., 59 Botany Rd., Waterloo	69948	Premise Match	45m	North West
MACHINERY MERCHANTS &/OR IMPORTERS	Skinner, J., 59-61 Botany Rd., Waterloo	70141	Premise Match	46m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
GALVANISING	Galvanisers (Aust.) Pty. Ltd., 67 Raglan St., Waterloo	53919	Premise Match	52m	North East
TALLOW MERCHANTS & REFINERS	Alston Soap and Candle Mfg. Co. Pty. Ltd., 2 Botany Rd., Waterloo	106914	Premise Match	55m	North West
MEAT CANNERS	Barnes, J, Pty. Ltd., 2 Botany St., Waterloo	72235	Premise Match	55m	North West
TALLOW MERCHANTS & REFINERS	Barnes, James Ltd., 2 Botany Rd., Waterloo	106916	Premise Match	55m	North West
MARGARINE MANUFACTURERS	Barnes, James Pty. Ltd., 2 Botany St., Waterloo	72012	Premise Match	55m	North West
OILS-EDIBLE-MERCHANTS	Barnes, James Pty. Ltd., 2 Botany St., Waterloo	89387	Premise Match	55m	North West
LINSEED OIL MANUFACTURERS	Barnes, James Pty. Ltd., 2 Botany St., Waterloo	69641	Premise Match	55m	North West
CANNERS & CANNED FOOD SPECIALISTS	Barnes, James Pty. Ltd., 2 Botany St., Waterloo	17495	Premise Match	55m	North West
CHEMISTS-PHARMACEUTICAL	Kirby, M. C., 43 Botany Rd., Waterloo	21720	Premise Match	57m	North West
PIE MANUFACTURERS	“Cousin Jacks”, 35 Botany Rd., Waterloo	92922	Premise Match	59m	North West
HOTELS-LICENSED	Abbotts Hotel, 47 Botany Rd., Waterloo	62866	Premise Match	59m	North West
LIBRARIES-LENDING	Franklin, M., 35b Botany Rd., Waterloo	68654	Premise Match	59m	North West
LIBRARIES-LENDING	Lewco Library, 3S Botany Rd., Waterloo	68743	Premise Match	59m	North West
SANDWICH & LUNCHEON SHOPS	Longhurst, F. J., 35a Botany Rd., Waterloo	100358	Premise Match	59m	North West
LIBRARIES-LENDING	Magson, S., 35 Botany Rd., Waterloo	68791	Premise Match	59m	North West
MERCERS & GENT’S OUTFITTERS	Mallick, J., 37 Botany Rd., Waterloo	74507	Premise Match	59m	North West
CHEMISTS-PHARMACEUTICAL	Sydney U.F.S. Dispensary, 35 Botany Rd., Botany	22096	Premise Match	59m	North West
HOTELS-LICENSED	Clifton Hotel, 1 Botany Rd., Waterloo	62982	Premise Match	60m	North West
RADIO SALES &/OR SERVICEMEN	Express Radio, 1 Botnay Rd., Waterloo	97186	Premise Match	60m	North West
BUTCHERS-RETAIL	Greenfield, J. and Son, 45 Botany .Rd., Waterloo	13586	Premise Match	60m	North West
SHEET METAL WORKERS	Hodge, Bass, 67 Botany Rd., Waterloo	101731	Premise Match	60m	North West
HAIRDRESSERS (GENT.’S) &/OR TOBACCONISTS	Isaacs, S., 3 Botany Rd., Waterloo	59604	Premise Match	60m	North West
BUTCHERS-RETAIL	Shalvey, J. A., 45 Botany Rd., Waterloo	14296	Premise Match	60m	North West
BUTCHERS-RETAIL	Shalvey, P. L., 45 Botany Rd., Waterloo	14298	Premise Match	60m	North West
WOODWORKERS & TURNERS	Wadds, F. P., 63 Botany Rd., Waterloo	114156	Premise Match	60m	North West
BOX & CASE MERCHANTS & MANUFACTURERS	Cloveliy Box Factory, 69 Botany Rd., Waterloo	11032	Premise Match	60m	West
COPPERSMITHS	Martin, R. and Co., 79 Botany Rd., Waterloo	29000	Premise Match	60m	West
WELDERS-ELECTRIC &/OR OXY	Martin, R. and Co., 79 Botany Rd., Waterloo	112928	Premise Match	60m	West
COPPERSMITHS	Martin, Robert & Co., 79 Botany Rd., Waterloo	29001	Premise Match	60m	West
SHEET METAL WORKERS	Martin, Robert and Co., 79 Botany Rd., Waterloo	101762	Premise Match	60m	West
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Mills, L. M. and T. D., 33a Botany Rd., Waterloo	15769	Premise Match	61m	North West
UPHOLSTERERS	Art Wood Furniture, 107-115 Botany Rd., Waterloo	111125	Premise Match	61m	West
HAIRDRESSERS (GENT.’S) &/OR TOBACCONISTS	Bryson, T. E., 101 Botany Rd., Waterloo	59252	Premise Match	61m	West
MOTOR GARAGES &/OR ENGINEERS	Feneck, J., 101 Botany Rd., Waterloo	83739	Premise Match	61m	West
MOTOR PAINTERS	Feneck, J., 101 Botany Rd., Waterloo	84804	Premise Match	61m	West
MOTOR PANEL BEATERS	Feneck, J., 101 Botany Rd., Waterloo	85268	Premise Match	61m	West

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WELDERS-ELECTRIC &/OR OXY	Feneck, J., 101 Botany Rd., Waterloo	112782	Premise Match	61m	West
MOTOR CARBURETTOR &TUNING SPECIALISTS	McDonell, D. Pty. Ltd., 117 Botany Rd., Waterloo	82795	Premise Match	61m	West
ASSOCIATIONS & SOCIETIES	South Sydney Homing Pigeon Soc, 117 Botany Rd., Waterloo	3880	Premise Match	61m	West
BANKS	Union Bank of Australia Ltd, 107 Botany Rd., Waterloo (and Alexandria)	6023	Premise Match	61m	West
PICTURE THEATRES-SUBURBAN	Waterloo Plaza, 99 Botany Rd., Waterloo	92909	Premise Match	61m	West
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Crete Seafoods, 39 Botany Rd., Waterloo	15392	Premise Match	62m	North West
BOTTLE MERCHANTS & EXCHANGES	Furze E., 39 Botany Rd., Redfern	10923	Premise Match	62m	North West
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Kanarls, G., 39 Botany Rd., Waterloo	15629	Premise Match	62m	North West
FOOD PRODUCTS MANUFACTURERS	Mulhall and Higgs, 87 Botany Rd., Waterloo	46618	Premise Match	62m	West
POTATO CRISP MANUFACTURERS	Mulhall and Higgs, 87 Botany Rd., Waterloo	93612	Premise Match	62m	West
BAKERS-BREAD	Dibble, J. B. Pty. Ltd., 63 Lenton Rd., Waterloo	5243	Premise Match	63m	East
FRUITERERS & GREENGROCERS	Greek Fruit Shop, 31 Botany Rd., Waterloo	50219	Premise Match	63m	North West
FRUITERERS & GREENGROCERS	Markou, Conn, 5 and 31 Botany Rd., Waterloo	50649	Premise Match	63m	North West
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Mills Hamburger, 33 Botany Rd., Waterloo	15768	Premise Match	64m	North West
FLORISTS-RETAIL	Munger, Miss D., 33 Botany Rd., Waterloo	46079	Premise Match	64m	North West
GROCERS-RETAIL	Shugg, F., 41 Botany Rd., Waterloo	55669	Premise Match	64m	North West
BUTCHERS-RETAIL	Clancy, J., 83 Elizabeth St., Waterloo	13290	Premise Match	65m	East
DEPARTMENTAL STORES	Haslams Pty. Ltd., 13-21 Botany Rd., Waterloo	32487	Premise Match	65m	North West
DRAPERS-RETAIL	Haslams Pty. Ltd., 13-21 Botany Rd., Waterloo	33711	Premise Match	65m	North West
FRUITERERS & GREENGROCERS	Noonan, T., 81 Elizabeth St., Waterloo	50830	Premise Match	66m	East
FRUITERERS & GREENGROCERS	Ruggero, G., 81 Elizabeth St., Waterloo	51098	Premise Match	66m	East
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Darlington Cabinet Works, 129 Botany Rd., Waterloo	52673	Premise Match	66m	South West
MOTOR SERVICE STATIONS-PETROL, Etc.	Hawxwell and Jones Pty. Ltd., 163 Botany Rd., Waterloo	86049	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS	Hawxwell and Jones Pty. Ltd., 163 Botany Rd., Waterloo	83855	Premise Match	66m	South West
MOTOR PANEL BEATERS	Hawxwell and Jones Pty. Ltd., 165 Botany Rd., Waterloo	85305	Premise Match	66m	South West
MOTOR PAINTERS	Hawxwell and Jones Pty. Ltd., 165 Botany Rd., Waterloo	84844	Premise Match	66m	South West
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Kafka, P. E., 161 Botany Rd., Waterloo	52780	Premise Match	66m	South West
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Kafka, P. E., 161 Botany Rd., Waterloo	52781	Premise Match	66m	South West
SIGNWRITERS	Summers, E., 143-139 Botany Rd., Waterloo	102653	Premise Match	66m	South West
WELDERS-ELECTRIC &/OR OXY	Summers, E., 143-159 Botany Rd., Waterloo	113100	Premise Match	66m	South West
COACH & HORSE DRAWN VEHICLE BUILDERS	Summers, E., 143-159 Botany Rd., Waterloo	25499	Premise Match	66m	South West
BLACKSMITHS	Summers, E., 143-159 Botany Rd., Waterloo	8371	Premise Match	66m	South West
MOTOR PAINTERS	Summers, E., 143-159 Botany Rd., Waterloo	85051	Premise Match	66m	South West
MOTOR PANEL BEATERS	Summers, E., 143-159 Botany Rd., Waterloo	85532	Premise Match	66m	South West
MOTOR BODY BUILDERS	Summers, E., 143-159 Botany Rd., Waterloo	82197	Premise Match	66m	South West

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FURNISHINGS-SOFT-MANUFACTURERS &/OR WHOLESALERS	Hall Mark Manufacturing Co., 87 Botany Rd., Waterloo	52176	Premise Match	66m	West
DOWEL MANUFACTURERS	Hallmark Manufacturing Co., 87 Botany Rd., Waterloo	33312	Premise Match	66m	West
DOWEL MANUFACTURERS	Hallmark Mfg. Co., 87 Botany Rd., Waterloo	33313	Premise Match	66m	West
MOULDING MANUFACTURERS	Hallmark Mfg. Co., 87 Botany Rd., Waterloo	87359	Premise Match	66m	West
TIMBER MERCHANTS	Hallmark Mfg. Co., 87 Botany Rd., Waterloo	78218	Premise Match	66m	West
DELICATESSENS & SMALLGOODS DEALERS	Pitsikis, N., 79 Elizabeth St., Waterloo	31041	Premise Match	67m	East
MILK BARS & CONFECTIONERS	Pitslkos, N., 79 Elizabeth St., Waterloo	77204	Premise Match	67m	East
DELICATESSENS & SMALLGOODS DEALERS	St. Leon, A. F., 79 Elizabeth St., Waterloo	31242	Premise Match	67m	East
CAKE SHOPS & PASTRYCOOKS	St. Leon, A. F., 79 Elizabeth St., Waterloo .	17268	Premise Match	67m	East
BUTCHERS-RETAIL	Barrett Bros., 29a Botany Rd., Waterloo	13126	Premise Match	67m	North West
CAKE SHOPS & PASTRYCOOKS	Nicer Cakes Co., 29b Botany Rd., Waterloo	17045	Premise Match	67m	North West
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Taylor, C. S. (Sandals), 55 Botany Rd., Waterloo	46937	Premise Match	67m	North West
BOOT & SHOE REPAIRERS	Taylor, C. S., 55 Botany Rd., Waterloo	10695	Premise Match	67m	North West
HOTELS-LICENSED	Cauliflower Hotel, Botany Rd., Waterloo	62967	Premise Match	67m	West
MODELLERS & SCULPTORS	Luchi, I., 77 Botany Rd., Waterloo	81367	Premise Match	67m	West
CHURCH SUPPLIES-STATUE MANUFACTURERS	Luchi, I., 77 Botany Rd., Waterloo	22897	Premise Match	67m	West
STATUETTE & MODEL MANUFACTURERS	Pizzol, V. and I., 77 Botany Rd., Waterloo	105128	Premise Match	67m	West
CHURCH SUPPLIES-CATHOLIC	Pizzol, V. and I., 77, Botany Rd., Waterloo	22865	Premise Match	67m	West
NEWSAGENTS	Ritchie, K., 75 Botany Rd., Waterloo	88307	Premise Match	67m	West
NEWSAGENTS	Taylor, J. S., 75 Botany Rd., Waterloo	88384	Premise Match	67m	West
JEWELLERS-RETAIL &/OR WATCHMAKERS	Brandon's Stores, 5a Botany Rd., Waterloo	65987	Premise Match	68m	North West
FRUITERERS & GREENGROCERS	Markou, Conn, 5 and 31 Botany Rd., Waterloo	50650	Premise Match	68m	North West
ARMATURE WINDERS	T.E.B. Auto Elect. Service, 51 Botany Rd., Waterloo	2591	Premise Match	68m	North West
MOTOR ELECTRICIANS	T.E.B. Auto Electrical Service, 51 Botany Rd., Waterloo	83221	Premise Match	68m	North West
BATTERY DISTRIBUTORS	T.E.B. Batteries, 51 Botany Rd., Waterloo	6506	Premise Match	68m	North West
BATTERY MANUFACTURERS	T.E.B. Batteries, 51 Botany Rd., Waterloo	6548	Premise Match	68m	North West
BATTERY SERVICE STATIONS	T.E.B. Batteries, 51 Botany Rd., Waterloo	6649	Premise Match	68m	North West
MOTOR ELECTRICIANS	Taylor, A. E., 51 Botany Rd., Waterloo	83222	Premise Match	68m	North West
GROCERS-RETAIL	Noonan, J., 77 Elizabeth St., Waterloo	58564	Premise Match	69m	East
PRODUCE MERCHANTS-GRAIN & SEED-RETAIL	Kennedy, T. and Son, 119 Botany Rd., Waterloo	95551	Premise Match	69m	West
MILK BARS & CONFECTIONERS	Willcocks, E. A. and W, J., 121 Botany Rd,, Waterloo	77551	Premise Match	69m	West
NEWSAGENTS	McPherson, W. H., 75 Elizabeth St., Waterloo	88199	Premise Match	71m	East
NEWSAGENTS	Saunders, R., 75 Elizabeth St., Waterloo	88320	Premise Match	71m	East
BOOKSELLERS &/OR STATIONERS	Saunders, R., 75 Elizabeth St., Waterloo	9748	Premise Match	71m	East
NEWSAGENTS	Wordsworth, F., 75 Elizabeth St., Waterloo	88457	Premise Match	71m	East
CAKE & PASTRYCOOKS-WHOLESALE	Nash, A., 23 Botany Rd., Waterloo	16223	Premise Match	71m	North West

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CAKE SHOPS & PASTRYCOOKS	Nash, A., 23 Botany Rd., Waterloo	17030	Premise Match	71m	North West
GROCERS-RETAIL	Prince's Grocery, 27 Botany Rd, Waterloo	58778	Premise Match	71m	North West
DELICATESSENS & SMALLGOODS DEALERS	Princes Store, 27 Botany Rd., Waterloo	31056	Premise Match	71m	North West
HAIRDRESSERS (GENT.'S) &/OR TOBACCONISTS	Strachan, H. Chas., 25 Botany Rd., Waterloo	60051	Premise Match	71m	North West
CHURCH SUPPLIES-GENERAL	Stevenson, T., Cnr. Botany Rd. and McEvoy St., Waterloo	22890	Road Intersection	72m	South
WRINGER MANUFACTURERS	Stevenson, T., Cnr. Botany Rd. and McEvoy St., Waterloo	114703	Road Intersection	72m	South
RUSTIC MANUFACTURERS &/OR MOULDERS	Stevenson, T., Cnr. Botany Rd. and McEvoy St., Waterloo.	100030	Road Intersection	72m	South
WASHING MACHINE MANUFACTURERS	Stevenson, T., Cnr. Botany Rd. and McEvoy Sts., Waterloo	112340	Road Intersection	72m	South
HARDWARE DEALERS &/OR IRONMONGERS	Harrison, E., 73 Elizabeth St., Waterloo	61081	Premise Match	73m	East
BUTCHERS-RETAIL	Caldwell, S. E., 9 Botany Rd., Waterloo	13231	Premise Match	74m	North West
INCUBATOR MANUFACTURERS	Charters Incubators Ltd., 7 McEvoy St., Waterloo	64080	Premise Match	75m	South
WIRE DRAWERS	United Nail Pty. Ltd., 7 McEvoy St., Waterloo	113871	Premise Match	75m	South
NAIL & STAPLE MANUFACTURERS	United Nail Pty. Ltd., McEvoy St., Waterloo	87714	Premise Match	75m	South
RIVET MANUFACTURERS	United Nail, Pty. Ltd., 7 McEvoy St., Waterloo	99564	Premise Match	75m	South
BARBED WIRE MFRS. &/OR DISTRIBUTORS	United Nall Pty. Ltd., McEvoy St., Waterloo	6056	Premise Match	75m	South
FURNITURE MANUFACTURERS-TUBULAR STEEL	Betta Chrome Furniture, 167 Botany Rd., Waterloo	53096	Premise Match	76m	South West
ENGINEERS-REPETITION	Allen Engineering Co. Pty. Ltd., 189 Botany Rd., Waterloo	42189	Premise Match	82m	South
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Nettlefolds Pty. Ltd. (Bright Bolt and Nut Division), 189 Botany Rd., Waterloo	41063	Premise Match	82m	South
NUT & BOLT MFRS. &/OR DISTRIBUTORS	Nettlefolds Pty. Ltd. (Bright Bolt and Nut Division), 189 Botany Rd., Waterloo	89375	Premise Match	82m	South
ENGINEERS-REPETITION	Nullings, Pty. Ltd., 189 Botany Rd., Waterloo	42282	Premise Match	82m	South
CHAIR MANUFACTURERS	Hare and Murray, 66 Botany St., Redfern	20815	Premise Match	84m	North West
CARRIERS & CARTAGE CONTRACTORS	Byrnes, A., 146 Renwick St., Redfern	18521	Premise Match	86m	North West
SAW & TOOL SHARPENERS	Te Kaat, W., 169 Pitt St., Redfern	100607	Premise Match	91m	North
BANKS	National Bank of Australasia Ltd., Cnr Botany Rd. and McEvoy St., Waterloo-Alexandria	6016	Premise Match	94m	South
DRY CLEANERS, PRESSERS & DYERS	Anderson Bros. Pty. Ltd. 199 Regent St., Redfern	35078	Premise Match	95m	North West
RADIO MANUFACTURERS	Calwyn Radio Co., 199 Regent St., Redfern	96784	Premise Match	95m	North West
DRAPERS-RETAIL	Winn and Sons Pty. Ltd., 199 Regent St.	34079	Premise Match	95m	North West
DEPARTMENTAL STORES	Winn and Sons Pty. Ltd., Botany St., Redfern	32522	Premise Match	95m	North West
GROCERS-RETAIL	Arkinstall and Johnson, 55 Elizabeth St., Waterloo	56312	Premise Match	96m	East
MIXED BUSINESSES & GENERAL STORES	Arkinstall, G. I., 55 Elizabeth St., Waterloo	79267	Premise Match	96m	East
WOODWORKERS & TURNERS	Reliance Woodworking Co., 44 Douglas St., Redfern	114134	Premise Match	98m	North
HOTELS-LICENSED	Iron Duke Hotel, 220 Botany Rd., Alexandria	63193	Premise Match	99m	South
FISH MERCHANTS-WHOLESALE	Pacific Trawlers Pty. Ltd., 1 Union St., Waterloo	44684	Premise Match	100m	North East
GROCERS-RETAIL	Buttle, S. R. Pty. Ltd., 197 Regent St., Redfern	56657	Premise Match	100m	North West
DRY CLEANERS, PRESSERS & DYERS	Tasman Dry Cleaners. 195 Regent St. Redfern	35772	Premise Match	106m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
CANNERS & CANNED FOOD SPECIALISTS	Downs Distributing Co. Pty. Ltd., 204-214 Botany Rd., Alexandria	17501	Premise Match	108m	South West
MERCHANTS & IMPORTERS	Downs Distributing Co. Pty. Ltd., 204-214 Botany Rd., Alexandria	75012	Premise Match	108m	South West
GROCERS-WHOLESALE	Downs Distributing Co. Pty. Ltd., 212 Botany Rd., Alexandria	58855	Premise Match	108m	South West
FURNITURE-HOUSEHOLD-RETAILERS	Muirs Furnishers, 193 Regent St., Redfern	53610	Premise Match	111m	North West
FURNITURE DEALERS-SECONDHAND	Muirs Furniture Store, 193 Regent St., Redfern	52562	Premise Match	111m	North West
BANKS	Bank of Australasia, 132 Botany Rd, Waterloo	5602	Premise Match	111m	West
BATH HEATERS	Hotspring Heaters, 56 Botany St., Redfern	6411	Premise Match	112m	North West
BUTCHERS-RETAIL	Rawling, C., 54 Botany Rd., Alexandria	14187	Premise Match	112m	North West
CHEMISTS-PHARMACEUTICAL	Korrs' Pharmacy, 52 Botany Rd., Alexandria	21727	Premise Match	113m	North West
DISPLAY FITTINGS MFRS. &/OR SUPPLIERS	Art Decor Studios Pty. Ltd., 62 Botany Rd., Alexandria	32996	Premise Match	115m	North West
INTERIOR DECORATORS	Art Decor Studios Pty. Ltd., 62 Botany Rd., Alexandria	65219	Premise Match	115m	North West
HOTELS-LICENSED	Cricketers Arms Hotel, Cnr. Henderson and Botany Rds., Alexandria	63007	Premise Match	115m	North West
POULTRY DEALERS-RETAIL	Haywood, W., 191 Regent St., Redfern	93768	Premise Match	115m	North West
BEAUTY SALONS &/OR LADIES' HAIRDRESSERS	Lee, Miss Norma, 42 Botany Rd., Alexandria	7433	Premise Match	115m	North West
HAIRDRESSERS (GENT.'S) &/OR TOBACCONISTS	Lee, N., 42 Botany Rd., Alexandria	59690	Premise Match	115m	North West
DISPLAY FITTINGS MFRS. &/OR SUPPLIERS	Ornament and Display Model Co., 62 Botany Rd., Alexandria	33052	Premise Match	115m	North West
DIE & PRESS TOOL MAKERS	Metals and Celluloids Pty. Ltd., James St., Waterloo	32723	Premise Match	115m	South
ELECTRICAL SUPPLIES AND APPLIANCES MANUFACTURERS	Metals and Celluloids Pty. Ltd., James St., Waterloo	39017	Premise Match	115m	South
METAL PRESSERS & STAMPERS	Metals and Celluloids Pty. Ltd., James St., Waterloo	76005	Premise Match	115m	South
RANGES-STOVES-COKE DISTRIBUTORS	Metals and Celluloids Pty. Ltd., James St., Waterloo	97866	Premise Match	115m	South
SHEET METAL WORKERS	Metals and Celluloids Pty. Ltd., James St., Waterloo	101775	Premise Match	115m	South
FURNITURE REMOVALISTS &/OR STORAGE	Beard Watson and Co. Ltd., McEvoy St., Waterloo; 359 George St.	53158	Premise Match	115m	South East
DRIED FRUITS MFRS. &/OR DISTRIBUTORS	Murrumbidgee Dried Fruit Sales Pty. Ltd., 66 Botany Rd., Alexandria	34903	Premise Match	115m	West
HOTELS-LICENSED	George Hotel, 102 Elizabeth St., Waterloo	63081	Premise Match	116m	East
LABELS-GENERAL	Modern Packages Pty. Ltd., 222-244 Botany Rd., Alexandria	67334	Premise Match	116m	South
CARDBOARD BOX & CARTON MANUFACTURERS	Wilmers and Gladwyn Pty. Ltd., 222 Botany Rd., Alexandria	17798	Premise Match	116m	South
MACHINERY MERCHANTS &/OR IMPORTERS	Feneck, J., 80 Botany Rd., Alexandria	70053	Premise Match	117m	West
METAL MERCHANTS	Feneck, J., 80 Botany Rd., Alexandria	75816	Premise Match	117m	West
MACHINERY DEALERS-SECONDHAND	Feneck, J., 80 Botany Rd., Alexandria	69920	Premise Match	117m	West
SECONDHAND DEALERS	Feneck, J., 80 Botany Rd., Alexandria	101149	Premise Match	117m	West
BOOT & SHOE REPAIRERS	Hynes, J. E., 96 Elizabeth St., Waterloo	10297	Premise Match	118m	East
HARDWARE DEALERS &/OR IRONMONGERS	Burke, J., 189 Regent St., Redfern	60901	Premise Match	119m	North West
FOOTWEAR-RETAILERS	Kacen, J. (Children's Shoes), 38 Botany Rd., Alexandria	47368	Premise Match	119m	North West
ELECTRICAL SUPPLIES & APPLIANCES RETAILERS	Quality Tools and Hardware, 189 Regent St., Redfern	38720	Premise Match	119m	North West
HARDWARE DEALERS &/OR IRONMONGERS	Quality Tools and Hardware, 189 Regent St., Redfern	61321	Premise Match	119m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TOOL DEALERS-RETAIL	Quality Tools and Hardware, 189 Regent St., Redfern	109036	Premise Match	119m	North West
ELECTRICAL SUPPLIES & APPLIANCES RETAILERS	Regent Supply Store, 189 Regent St., Redfern	38727	Premise Match	119m	North West
HARDWARE DEALERS &/OR IRONMONGERS	Regent Supply Stores, 189 Regent St., Redfern	61335	Premise Match	119m	North West
HARDWARE DEALERS &/OR IRONMONGERS	Regent Supply Stores, 189 Regent St., Redfern	61334	Premise Match	119m	North West
PENCIL MANUFACTURERS & DISTRIBUTORS	Columbia Pencil and Crayon Co. Pty. Ltd., 180 Botany Rd., Waterloo	91466	Premise Match	119m	South West
OFFICE SUPPLIES & EQUIPMENT-RETAIL	Columbia Writing Products Pty. Ltd., 180 Botany Rd., Waterloo	89547	Premise Match	119m	South West
CARBON PAPER MANUFACTURERS	Horton, G. H. and Co. Ltd., 180 Botany Rd., Waterloo	17732	Premise Match	119m	South West
TYPEWRITER RIBBON MANUFACTURERS	Horton, G. H. and Co. Ltd., 180 Botany Rd., Waterloo	110735	Premise Match	119m	South West
HAIRDRESSERS (GENT.'S) &/OR TOBACCONISTS	King, E. W., 148 Botany Rd., Alexandria	59660	Premise Match	119m	South West
MIXED BUSINESSES & GENERAL STORES	Meares, G., 146 Botany Rd., Alexandria	80566	Premise Match	119m	South West
FUR DRESSERS & DYERS	Australian Fur Works, 100 Botany. Rd., Waterloo	52097	Premise Match	119m	West
CHEMISTS-PHARMACEUTICAL	Brown, H. G., 110 Botany Rd.	21353	Premise Match	119m	West
HANDLE MANUFACTURERS &/OR WHOLESALERS	Kay, Ray Handle Works, 96 Botany Rd., Alexandria	60794	Premise Match	119m	West
LEAD MERCHANTS & SUPPLIERS	Landow Bros., 6 Henderson Rd., Alexandria	67910	Premise Match	119m	West
METAL MERCHANTS	Landow Bros., 6 Henderson Rd., Alexandria	75830	Premise Match	119m	West
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Lock Lee & Co., 136 Botany Rd., Alexandria	52809	Premise Match	119m	West
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Lock, Lee and Co., 136 Botany Rd., Alexandria	52810	Premise Match	119m	West
WOOD BOX CONTAINER MANUFACTURERS &/OR DISTRIBUTORS	Lock, Lee and Co., 136 Botany Rd., Alexandria	113982	Premise Match	119m	West
MOTOR GARAGES &/OR ENGINEERS	Skinner, F. L. and Sons. 102 Botany Rd., Alexandria	84374	Premise Match	119m	West
PAWNBROKERS & MONEYLENDERS	Alexandria Monte de Piete, 36 Botany Rd., Alexandria	91376	Premise Match	120m	North West
HARDWARE DEALERS &/OR IRONMONGERS	Carr, G. H., 32 Botany Rd., Alexandria	60919	Premise Match	120m	North West
PAWNBROKERS & MONEYLENDERS	Franklin, P., 36 Botany Rd., Alexandria	91395	Premise Match	120m	North West
FRUIT JUICE EXTRACT MFRS. & MERCHANTS	Healthblest Juices, 94 Botany Rd., Alexandria	49112	Premise Match	120m	West
DRY CLEANERS, PRESSERS & DYERS	Normays Dry Cleaners, 90 Botany Rd., Alexandria	35566	Premise Match	120m	West
WINE SALOONS	Bennett, F. J, 34 Botany Rd., Alexandria	113716	Premise Match	121m	North West
LAUNDRIES	Consolidated Laundries Pty. Ltd., 198 Botany Rd., Alexandria	67594	Premise Match	121m	South West
LAUNDRIES	Coronation Laundry, 198 Botany Rd., Alexandria	67599	Premise Match	121m	South West
LIVERY STABLES	Davis, S., 198 Botany Rd., Alexandria	69663	Premise Match	121m	South West
PEANUT MERCHANTS & ROASTERS	Woo Ling, 142 Botany Rd., Alexandria	91453	Premise Match	121m	South West
MUSIC TEACHERS	Ferrington, Mrs., 14 Botany Rd., Alexandria	87423	Premise Match	122m	North West
DELICATESSENS & SMALLGOODS DEALERS	Jenkins, W. M., 28 Botany Rd., Alexandria	30690	Premise Match	122m	North West
CHINA, CROCKERY, GLASSWARE, CRYSTAL, EARTHENWARE & CUTLERY DEALERS	Katz, James, 12 Botany Rd., Alexandria	22400	Premise Match	122m	North West
KITCHENWARE RETAILERS	Katz, James, 12 Botany Rd., Alexandria	67020	Premise Match	122m	North West
HARDWARE DEALERS &/OR IRONMONGERS	Katz, James, 12 Botany Rd., Alexandria	61150	Premise Match	122m	North West

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
GIFT SHOPS	Katz, James, 12 Botany Rd., Alexandria	54385	Premise Match	122m	North West
HAIRDRESSERS (GENT.'S) &/OR TOBACCONISTS	McLeod, L., 18 Botany Rd., Alexandria	59788	Premise Match	122m	North West
ELECTRICAL CONTRACTORS &/OR ELECTRICIANS	McKenny & Company, 6 McEvoy St., Alexandria	37731	Premise Match	122m	South
ELECTRICAL CONTRACTORS &/OR ELECTRICIANS	McKenny and Co., 6 McEvoy St., Alexandria	37732	Premise Match	122m	South
ELECTRICAL ENGINEERS	McKenny and Co., 6 McEvoy St., Alexandria	38164	Premise Match	122m	South
HOTELS-LICENSED	Bow-Bells Hotel, 20 Botany Rd., Alexandria	62929	Premise Match	123m	North West
NEWSAGENTS	Fraser, W. J., 8 Botany Rd., Alexandria	87998	Premise Match	123m	North West
FOOTWEAR-RETAILERS	Glass Shoes, 24 Botany Rd., Alexandria	47288	Premise Match	123m	North West
HAIRDRESSERS (GENT.'S) &/OR TOBACCONISTS	Lewis, B., 10 Botany Rd., Alexandria	59709	Premise Match	123m	North West
NEWSAGENTS	Slade's Newsagency, 8 Botany Rd., Alexandria	88337	Premise Match	123m	North West
HOTELS-LICENSED	Star Hotel, 170 Botany Rd., Alexandria	63426	Premise Match	123m	South West
BOOT & SHOE REPAIRERS	Donneliy, M., 6 Botany Rd., Alexandria	10128	Premise Match	124m	North West
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Donnelly, M., 6 Botany Rd., Alexandria	46764	Premise Match	124m	North West
OILS-LUBRICATING-MERCHANTS	Crown Lubricant and Mfg. Co., 154 Botany Rd., Alexandria	89764	Premise Match	124m	South West
DISINFECTANT MANUFACTURERS & SUPPLIERS	Crown Lubricant and Mnfg. Co., 154 Botany Rd., Alexandria	32935	Premise Match	124m	South West
FLY SPRAY MANUFACTURERS	Crown Lubricants Mfrg. Co., 154 Botany Rd., Alexandria	46422	Premise Match	124m	South West
MOTOR OIL & GREASE MANUFACTURERS	Crown Lubricants Mnfg. Co., 154 Botany Rd., Alexandria	84631	Premise Match	124m	South West
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Lee, A. P. and Son, 156 Botany Rd., Alexandria	52799	Premise Match	124m	South West
CABINETMAKERS	Lee, A., 156 Botany Rd., Alexandria	14922	Premise Match	124m	South West
WEAVERS	Rex Weaving Mill Pty. Ltd. (Rayons, Woollens, Cottons), Mill, 158 Botany Rd.,	112566	Premise Match	124m	South West
BEAUTY SALONS &/OR LADIES' HAIRDRESSERS	Conyard, M., 86 Elizabeth St., Waterloo	7000	Premise Match	125m	East
PAWNBROKERS & MONEYLENDERS	Brandons Stores, 2 Botany Rd., Alexandria	91382	Premise Match	125m	North West
FINANCIERS & FINANCE AGENTS	Brandon's Stores, 2-4 Botany Rd., Alexandra	43962	Premise Match	125m	North West
GIFT SHOPS	Brandon's Stores, 2-4 Botany Rd., Alexandria	54284	Premise Match	125m	North West
CAKE SHOPS & PASTRYCOOKS	McAllum, H. M., 185 Regent St., Redfern	16949	Premise Match	126m	North West
CAKE SHOPS & PASTRYCOOKS	Vals Cakes, 185 Regent St., Redfern	17334	Premise Match	126m	North West
OFFICE FURNITURE MANUFACTURERS	Hoe, J. and Co. Pty. Ltd., Allen St., Waterloo	89483	Premise Match	127m	South
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Hoe, John and Co. Pty. Ltd., Allen St., Waterloo	52756	Premise Match	127m	South
TIMBER MERCHANTS	Hoe, John and Co. Pty. Ltd., Allen St., Waterloo	78228	Premise Match	127m	South
HOSPITALS-PUBLIC	Rachel Forster Hospital (For Women and Children), City Office, 1-5 Bligh St.; Pitt St., Redfern	62764	Premise Match	128m	North
FOOTWEAR-RETAILERS	Bussey, J. A., 3 Henderson Rd., Alexandria	47169	Premise Match	131m	North West
BOOT & SHOE REPAIRERS	Bussey, J. A., 3 Henderson Rd., Alexandria	10030	Premise Match	131m	North West
JUSTICES OF THE PEACE	Cahill, A. J., 40 Raglan St., Waterloo	66651	Premise Match	132m	North East
HOTELS-LICENSED	Glenroy Hotel, Botany Rd., Alexandria	63091	Premise Match	132m	South
HIRE CAR SERVICES	Redfern Hire Service, 34 Douglas St., Redfern	62289	Premise Match	133m	North

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
TAXIS	Redfern Hire Service, 34 Douglas St., Redfern	107466	Premise Match	133m	North
TAXIS	Staples, H. W., 34 Douglas St., Redfern	107503	Premise Match	133m	North
PRODUCE MERCHANTS-GRAIN & SEED-RETAIL	Clarke, E., 158 Regent St., Redfern	95432	Premise Match	133m	North West
FUEL MERCHANTS-COAL, COKE & WOOD	Clarke, E., 158 Regent St., Redfern	51681	Premise Match	133m	North West
PNEUMATIC TOOL MANUFACTURERS	Airspeed Products, 183 Regent St., Redfern	93488	Premise Match	134m	North West
BOX & CASE MERCHANTS & MANUFACTURERS	Dicksons Case Factory, 77-85 Botany St., Redfern	11042	Premise Match	134m	North West
ELECTRICAL CONTRACTORS &/OR ELECTRICIANS	Rose Bros., 183 Regent St., Redfern	37854	Premise Match	134m	North West
MOTOR ELECTRICIANS	Rose Bros., 183 Regent St., Redfern	83197	Premise Match	134m	North West
CARRIERS & CARTAGE CONTRACTORS	King, D., 178 Castlereagh St., Redfern	19155	Premise Match	136m	North East
MOTOR ACCESSORIES-DEALER	Leyland Motors Ltd., 153 George St., Redfern	81671	Premise Match	138m	North
MOTOR CAR &/OR TRUCK IMPORTERS &/OR DISTRIBUTORS	Leyland Motors Ltd., 153 George St., Redfern	82677	Premise Match	138m	North
BOILERMAKERS	Australian Arc Welding Co., 154 Regent St., Redfern	9037	Premise Match	138m	North West
ENGINEERS-FABRICATING	Australian Arc Welding Co., 154 Regent St., Redfern	40216	Premise Match	138m	North West
WELDERS-ELECTRIC &/OR OXY	Australian Arc Welding Co., 154 Regent St., Redfern	112641	Premise Match	138m	North West
BAKERS-BREAD	Booth Ltd., 172 George St., Redfern	5180	Premise Match	139m	North
BOOT & SHOE REPAIRERS	Bennett, A., 44 Botany St., Redfern	9972	Premise Match	139m	North West
MEDICAL PRACTITIONERS	Barr, K. A., 41 Elizabeth St., Waterloo	72391	Premise Match	141m	East
GROCERS-RETAIL	Stackpool, J., 39 Wellington St., Waterloo	55749	Premise Match	143m	East
HALLS	Waterloo Town Hall, 128 Elizabeth St., Waterloo	60444	Premise Match	144m	East
MOTOR GARAGES &/OR ENGINEERS	Dalton Motor Garage, 150 Regent St., Redfern	83657	Premise Match	148m	North West
MOTOR GARAGES &/OR ENGINEERS	Dalton Motor Garage, 150 Regent St., Redfern	83658	Premise Match	148m	North West
PLYWOOD MANUFACTURERS &/OR MERCHANTS	Felbert, F. S., 146 Regent St., Redfern	93443	Premise Match	148m	North West
TIMBER MERCHANTS	Felbert, F. S., 146 Regent St., Redfern	78206	Premise Match	148m	North West
PLYWOOD MANUFACTURERS &/OR MERCHANTS	Plywood Sundries, 146 Regent St., Redfern	93470	Premise Match	148m	North West
PRINTERS-GENERAL	South Sydney Printing Service, 144 Regent St., Redfern	95192	Premise Match	148m	North West
COOPERS & VAT MAKERS	Still, W. M. and Co., 4-6 McEvoy St., Alexandria	28979	Premise Match	148m	South West
KEG MANUFACTURERS-SPIRIT	Still, W. M. and Co., 8 McEvoy St., Alexandria	66858	Premise Match	149m	South West

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1950 Business Directory Records Road or Area Matches

Records from the 1950 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
FOOD PROCESSORS & PACKERS	Cahills Dehydrators and Quick Freezers Pty. Ltd., McEvoy St., Waterloo	46525	Road Match	0m
MIXED BUSINESSES & GENERAL STORES	Connors, H., Phillip St., Redfern	79651	Road Match	0m
CHEMICAL MANUFACTURERS	Corbett, W. H., Phillips St., Redfern	21022	Road Match	0m
GROCERS-RETAIL	Elliott, H., Wellington St., Waterloo	57216	Road Match	0m
BOILERMAKERS	Fabricated Products, McEvoy St., Waterloo	9069	Road Match	0m
WELDERS-ELECTRIC &/OR OXY	Fabricated Products, McEvoy St., Waterloo	112776	Road Match	0m
MIXED BUSINESSES & GENERAL STORES	Glassby, E., Raglan St., Waterloo	80010	Road Match	0m
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Green Shoe Co (The), Wellington St., Waterloo	46787	Road Match	0m
GROCERS-RETAIL	Hall, E., Rag an St., Waterloo	57649	Road Match	0m
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Maguire, C. R. and Co., Phillip St., Waterloo	52816	Road Match	0m
HOMES & INSTITUTIONS	Mt. Lachlan Aged Women's Home, Raglan St., Waterloo	62443	Road Match	0m
BUTCHERS-RETAIL	O'Sullivan Bros., Raglan St., Waterloo	14053	Road Match	0m
ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Roberts Engineering Co, McEvoy St, Waterloo	41200	Road Match	0m
ENGINEERS-PRODUCTION	Roberts Engineering Co., McEvoy St., Waterloo	41977	Road Match	0m
ENGINEERS-REPETITION	Roberts Engineering Co., McEvoy St., Waterloo	42309	Road Match	0m
CABINETMAKERS	Standard Furniture Co. Pty. Ltd., McEvoy St., Waterloo	14959	Road Match	0m
TAXIS	Waterloo Taxi Service, Wellington St., Waterloo	107528	Road Match	0m
MUSIC TEACHERS	Webber, W. H., Raglan St., Waterloo	87568	Road Match	0m
HOTELS-LICENSED	Court House Hotel, George St., Redfern	63001	Road Match	22m
BUTTER MANUFACTURERS &/OR WHOLESALERS	Peters American Delicacy Co. Ltd., George St., Redfern	14687	Road Match	22m
HOTELS-LICENSED	Redfern Hotel, George St., Redfern	63344	Road Match	22m
PRODUCE MERCHANTS-WHOLESALE	Beaconsfield Post Office, Botany Rd., Alexandria	95789	Road Match	59m
MOTOR CAR & TRUCK DEALERS-USED	Car, Trucks, Trailer and Caravan Parking, Botany Rd., Waterloo	82315	Road Match	59m
DRESSMAKERS & COSTUMIERS	Faunce, Mrs., Botany Rd., Alexandria	34466	Road Match	59m
FOUNDERS-FERROUS	Howcroft, J., Botany Rd., Waterloo	47690	Road Match	59m
BRICK, PIPE & TILE MANUFACTURERS	Industrial Brick Co. Ltd. (The), Botany Rd., Waterloo	11288	Road Match	59m
FIRE BRICK MANUFACTURERS	Industrial Brick Co. Ltd., Botany Rd., Waterloo	44129	Road Match	59m
PIPE MANUFACTURERS-EARTHENWARE	Industrial Brick Co. Ltd., Botany Rd.. Waterloo	93071	Road Match	59m
ZINC MERCHANTS	Industrial Oxides Co., Botany Rd-;, Alexandria	114772	Road Match	59m
DELICATESSENS & SMALLGOODS DEALERS	Matha, N., Botany Rd., Alexandria	30841	Road Match	59m
BEAUTY SALONS &/OR LADIES' HAIRDRESSERS	Mays, Botany Rd., Alexandria	7527	Road Match	59m
HARDWARE MANUFACTURERS	Mcllwraith Industries Pty. Ltd., Botany Rd., Waterloo	61532	Road Match	59m
HOTELS-LICENSED	Rosebery Hotel, Botany Rd., Waterloo	63362	Road Match	59m
TIMBER MERCHANTS	Smith Bros. Pty. Ltd., Botany Rd., Waterloo	78076	Road Match	59m
FURNITURE MANUFACTURERS & WHOLESALERS-GENERAL	Standard Furniture Co. Ltd., Botany Rd., Waterloo	52931	Road Match	59m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
ELECTRICAL SUPPLIES &. APPLIANCES RETAILERS	United Brass Founders, Botany Rd., Alexandria	38918	Road Match	59m
GASS APPLIANCES MFRS. &/OR DISTRIBUTORS	United Brass Founders, Botany Rd., Alexandria	54170	Road Match	59m
MILK VENDORS	Walsh, E. S., Botany Rd., Rosebery	77970	Road Match	59m
BUILDERS' SUPPLIERS	Waterloo Fire Brick Co. Ltd., Botany Rd., Waterloo	11937	Road Match	59m
BRICK, PIPE & TILE MANUFACTURERS	Waterloo Fire Brick Co., Botany Rd., Waterloo	11317	Road Match	59m
FIRE BRICK MANUFACTURERS	Waterloo Fire Brick Co., Botany Rd., Waterloo	44136	Road Match	59m
NEWSAGENTS	Welshs, F Botany Rd., Alexandria	88424	Road Match	59m
WASTE PRODUCT MERCHANTS	Whitley, A. J., Botany Rd., Waterloo	112440	Road Match	59m
WOOL STORES	Wool and. General Storage, Botany Rd., Alexandria	114552	Road Match	59m
PAPER WASTE MERCHANTS	Waste and Surplus Products Pty. Ltd., Douglas St., Redfern	91135	Road Match	76m
ELECTRICAL CONTRACTORS &/OR ELECTRICIANS	Burgess, H., 278 Elizabeth St., Zetland	37417	Road Match	78m
BANKS	Commonwealth Bank of Australia and Commonwealth Savings Bank of Australia, Elizabeth St., Waterloo	5934	Road Match	78m
DELICATESSENS & SMALLGOODS DEALERS	Oldrey and Phillips, 244 Elizabeth St., Zetland	30968	Road Match	78m
MILK BARS & CONFECTIONERS	Oldrey and Phillips, 244 Elizabeth St., Zetland	77128	Road Match	78m
BUTCHERS-RETAIL	Cary's Butchery, Regent St., Redfern	13266	Road Match	92m
CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Redfern Fish and Oyster Cafe, Regent St., Redfern	15934	Road Match	92m
BOTTLE SEALS, CAPS & CORKS MANUFACTURERS	Australian Straw Envelope Co. Pty. Ltd., McEvoy St., Alexandria	10970	Road Match	93m
ENVELOPE MANUFACTURERS	Australian Straw Envelope Co. Pty. Ltd., McEvoy St., Alexandria	42585	Road Match	93m
STRAW ENVELOPE MANUFACTURERS	Australian Straw Envelope Co. Pty. Ltd., McEvoy St., Alexandria	105819	Road Match	93m
BREWERS' & MALTSTERS' SUPPLIES	Australian Straw Envelopes Co. Pty. Ltd., McEvoy St., Alexandria	11240	Road Match	93m
METAL SPINNERS	Co-Ton, Henderson Rd., Alexandria	76076	Road Match	103m
MIXED BUSINESSES & GENERAL STORES	Johnson, E., Henderson Rd., Alexandria	80269	Road Match	103m
SECONDHAND DEALERS	Landow Bros., Henderson Rd., Alexandria	101220	Road Match	103m
FUEL MERCHANTS-COAL, COKE & WOOD	Negus, W., Henderson Rd., Alexandria	51823	Road Match	103m
GROCERS-RETAIL	Schafer, F. C., Henderson Rd., Alexandria.	55571	Road Match	103m
CARPENTERS & JOINERS	Squires and Bridgewater, 1239 Henderson Rd., Alexandria	18008	Road Match	103m
MIXED BUSINESSES & GENERAL STORES	Markham, J. E., 18 Buckland St., Alexandria	80465	Road Match	108m
BUILDERS' SUPPLIERS	Paper Processors Ltd., Retreat St., Alexandria	11859	Road Match	118m
BUTCHERS-RETAIL	Creedy, J., Castlereagh St., Redfern	13340	Road Match	136m
FOOTWEAR-RETAILERS	Hunter, John & Son Pty. Ltd., Office: Castlereagh St., Redfern	47332	Road Match	136m
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Hunter, John and Son Pty. Ltd., Castlereagh St., Redfern	46814	Road Match	136m
FOOTWEAR-RETAILERS	Hunter, John and Son Pty. Ltd., Head Office, Castlereagh St., Redfern	47347	Road Match	136m
SILK SCREEN CRAFTSMEN	McEnnally and Gordon Pty. Ltd., Castlereagh St., Redfern	102729	Road Match	136m
VETERINARY SURGEONS & HOSPITALS	Pottle, J. and Sons, 48-50 Castlereagh St., Redfern	111981	Road Match	136m
FOOTWEAR MANUFACTURERS-BOOTS & SHOES	Redfern Factory Pty. Ltd. (The), Castlereagh St., Redfern	46898	Road Match	136m
TOY DEALERS-RETAIL	Redfern Toy Shop, Castlereagh St., Redfern	109568	Road Match	136m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
DRY CLEANERS, PRESSERS & DYERS	Tasman Dry Cleaners. Castlereagh St., Redfern	35748	Road Match	136m
HOTELS-LICENSED	Woolpack Hotel, Castlereagh St., Redfern	63511	Road Match	136m

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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

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

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

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	McEvoy Street Auto Port,cnr. McEvoy & George Sts.	341321	1970	Premise Match	24m	South
Motor Garages & Engineers	McEvoy St. Auto Port, Cnr. McEvoy & George St. Waterloo	123503	1965	Premise Match	24m	South
Motor Service Stations - Petrol, Oil, Etc.	McEvoy Street Auto Port, Cnr. McEvoy & George Sts. City of Sydney	125340	1965	Premise Match	24m	South
DRY CLEANERS, PRESSERS / DYERS	Riley's, 130 Raglan St., Waterloo	299248	1961	Premise Match	29m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Williamson, Don Pty. Ltd, 174 Botany St, Waterloo.	51116	1978	Premise Match	30m	West
DRY CLEANING MACHINERY & SUPPLIES-MFRS.&/OR DISTS. (D720)	Bryce,R.& Co.Ltd., 183 Botany Rd., Waterloo	292586	1970	Premise Match	42m	South
Dry Cleaning Machinery & Supplies - Mfrs. &/or Dists.	Bryce, R. & Co. Ltd., 183 Botany Rd., Waterloo	76394	1965	Premise Match	42m	South
Motor Service Stations - Petrol, Oil, Etc.	Super Service Station, 181 Botany Rd. Waterloo	126223	1965	Premise Match	42m	South
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Super Service Station, 173 Botany Rd. WATERLOO	351141	1961	Premise Match	42m	South
MOTOR SERVICE STATIONS-PETROL, Etc.	Super Service Station, 173 Botany Rd., Waterloo	86443	1950	Premise Match	42m	South
MOTOR GARAGES & SERVICE STATIONS.	Joseph Bros. Pty. Ltd., 129 Wellington St, Waterloo.	64921	1986	Premise Match	53m	West
MOTOR GARAGES &/OR ENGINEERS.	Dyna Motors Pty. Ltd., 129 Wellington St., Waterloo.	58779	1975	Premise Match	53m	West
MOTOR GARAGES & SERVICE STATIONS.	Marc Petrol Pty Ltd., 69 Botany Rd., Waterloo.	65041	1986	Premise Match	60m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Total Waterloo Service Station, 69 Botany Rd., Waterloo. 2017.	57756	1982	Premise Match	60m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Service Station, 69 Botany Rd., Waterloo.	51007	1978	Premise Match	60m	West
MOTOR GARAGES &/OR ENGINEERS.	Total Service Station, 69 Botany Rd., Waterloo.	59688	1975	Premise Match	60m	West
MOTOR GARAGES & ENGINEERS	Feneck, J., 101 Botany Rd. WATERLOO	347134	1961	Premise Match	61m	West
MOTOR GARAGES &/OR ENGINEERS	Feneck, J., 101 Botany Rd., Waterloo	83739	1950	Premise Match	61m	West
Motor Garages & Service Stations	Alexandria Auto Port, 159 Botany Rd., Waterloo 2017	97772	1991	Premise Match	66m	South West
Motor Garages & Service Stations	Harxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo 2017	97208	1991	Premise Match	66m	South West
MOTOR GARAGES & SERVICE STATIONS.	Alexandria Auto Port, 159 Botany Rd., Waterloo.	63872	1986	Premise Match	66m	South West
MOTOR GARAGES & SERVICE STATIONS.	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo.	64855	1986	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Alexandria Auto Port, 159 Botany Rd., Waterloo. 2017.	55942	1982	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo. 2017.	56952	1982	Premise Match	66m	South West

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Alexandria Auto Port. 159 Botany Rd.. Waterloo.	49222	1978	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo.	50237	1978	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS.	Alexandria Auto Port,'143 Botany Rd., Waterloo.	58313	1975	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS.	Hawxwell & Jones Pty. Ltd., 165 Botany Rd., Waterloo.	59034	1975	Premise Match	66m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Alexandria Auto Port, 143-159 Botany Rd.WATERLOO	337172	1970	Premise Match	66m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Hawxwell & Jones Pty. Ltd., 165 Botany Rd.WATERLOO	337997	1970	Premise Match	66m	South West
Motor Service Stations - Petrol, Oil, Etc.	Alexandria Auto Fort, 143-159 Botany Rd. Waterloo	126222	1965	Premise Match	66m	South West
Motor Garages & Engineers	Hawxwell & Jones Pty. Ltd., 165 Botany Rd. Waterloo	123501	1965	Premise Match	66m	South West
MOTOR GARAGES & ENGINEERS	Alexandria Auto Port, 143-159 Botany Rd. WATERLOO	346489	1961	Premise Match	66m	South West
MOTOR GARAGES & ENGINEERS	Hawxwell & Jones Pty. Ltd., 165 Botany Rd. WATERLOO	347346	1961	Premise Match	66m	South West
MOTOR SERVICE STATIONS-PETROL, Etc.	Hawxwell and Jones Pty. Ltd., 163 Botany Rd., Waterloo	86049	1950	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS	Hawxwell and Jones Pty. Ltd., 163 Botany Rd., Waterloo	83855	1950	Premise Match	66m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Chris & Con, 85 Botany Rd., Waterloo.	49799	1978	Premise Match	66m	West
MOTOR GARAGES &/OR ENGINEERS.	Chris & Son. 87 Botany Rd., Waterloo.	58662	1975	Premise Match	66m	West
Motor Garages & Service Stations	Marc Petrol Pty. Ltd., 69 Botany Rd., Waterloo 2017	96260	1991	Premise Match	67m	West
MOTOR GARAGES & ENGINEERS(M6S6)	Total Service Station, 69-83 Botany Rd.WATERLOO	338763	1970	Premise Match	67m	West
Motor Garages & Engineers	Total Service Station, 69-83 Botany Rd. Waterloo	123504	1965	Premise Match	67m	West
MOTOR GARAGES & ENGINEERS	T.E.B. Batteries, 51 Botany Rd. WATERLOO	348259	1961	Premise Match	68m	North West
BATTERY SERVICE STATIONS	T.E.B. Batteries, 51 Botany Rd., Waterloo	272090	1961	Premise Match	68m	North West
BATTERY SERVICE STATIONS	T.E.B. Batteries, 51 Botany Rd., Waterloo	6649	1950	Premise Match	68m	North West
Dry Cleaners, Pressers/Dyers	Anthony, George, 23 Botany Rd., Waterloo	76065	1965	Premise Match	71m	North West
DRY CLEANERS, PRESSERS / DYERS	Anthony, George, 23 Botany Rd., Waterloo	299033	1961	Premise Match	71m	North West
DRY CLEANERS, PRESSERS & DYERS	Anderson Bros. Pty. Ltd. 199 Regent St., Redfern	35078	1950	Premise Match	95m	North West
MOTOR GARAGES & SERVICE STATIONS.	Town Auto Repairs Pty Ltd., 60 Cope St., Redfern.	65637	1986	Premise Match	103m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern. 2016.	57761	1982	Premise Match	103m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	51017	1978	Premise Match	103m	North West
MOTOR GARAGES &/OR ENGINEERS.	Town Auto Repairs Pty. Ltd., 60 Botany St., Redfern.	59696	1975	Premise Match	103m	North West
MOTOR GARAGES & ENGINEERS(M6S6)	Town Auto Repairs, 60 Botany St. REDFERN	338784	1970	Premise Match	103m	North West
Motor Garages & Engineers	Town Auto Repairs, 60 Botany St. Redfern	123288	1965	Premise Match	103m	North West
MOTOR GARAGES & ENGINEERS	Town Auto Repairs, 60 Botany St. REDFERN	348313	1961	Premise Match	103m	North West
DRY CLEANERS, PRESSERS & DYERS	Tasman Dry Cleaners. 195 Regent St. Redfern	35772	1950	Premise Match	106m	North West
Battery Service Stations	Hy-Beam Electric Pty. Ltd., 95 Botany St., Redfern	50201	1965	Premise Match	111m	North West

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
BATTERY SERVICE STATIONS	Hy-Beam Electric Pty. Ltd., 93 Botany St., Redfern	272044	1961	Premise Match	111m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Harrys Car Repairs, 50 Botany Rd., Alexandria. 2015	56945	1982	Premise Match	113m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Harrys Car Repairs. 50 Botany Rd., Alexandria.	50233	1978	Premise Match	113m	North West
Motor Garages & Service Stations	Waterloo Car Centre Caltex, 762 Elizabeth St., Waterloo 2017	97778	1991	Premise Match	114m	East
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Waterloo Auto Port (Neptune), 74-82 Botany Rd.ALEXANDRIA	341607	1970	Premise Match	117m	West
Motor Service Stations - Petrol, Oil, Etc.	Waterloo Auto Port (Neptune), 74-82 Botany Rd. Alexandria	125362	1965	Premise Match	117m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Precision Motor Engineering Co., 144 Botany Rd., Alexandria.	50681	1978	Premise Match	119m	South West
MOTOR GARAGES &/OR ENGINEERS.	Precision Motor Engineering Co., 144 Botany Rd., Alexandria.	59410	1975	Premise Match	119m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Precision Motor Engineering Co., 144 Botany Rd.ALEXANDRIA	338444	1970	Premise Match	119m	South West
Motor Garages & Engineers	Precision Motor Engineering Co., 144 Botany Rd. Alexandria	122086	1965	Premise Match	119m	South West
MOTOR GARAGES & ENGINEERS	Skinner, F. L. & Sons, 102 Botany Rd., ALEXANDRIA	348138	1961	Premise Match	119m	West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Waterloo Auto Port, 104 Botany Rd., ALEXANDRIA	351261	1961	Premise Match	119m	West
MOTOR GARAGES &/OR ENGINEERS	Skinner, F. L. and Sons. 102 Botany Rd., Alexandria	84374	1950	Premise Match	119m	West
DRY CLEANERS, PRESSERS & DYERS	Normays Dry Cleaners, 90 Botany Rd., Alexandria	35566	1950	Premise Match	120m	West
DRY CLEANERS, PRESSERS&/OR DYERS.	Johnson's Dry Cleaners, 138 Botany Rd., Alexandria.	24090	1975	Premise Match	121m	South West
MOTOR GARAGES & ENGINEERS(M6S6)	Esso Service Station, 10 Botany Rd.ALEXANDRIA	337748	1970	Premise Match	122m	North West
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Esso Servicenter, 10 Botany Rd.REDFERN	341055	1970	Premise Match	122m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Esso Redfern Service Station, 10 Botany Rd., Redfern. 2016.	56727	1982	Premise Match	123m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicentre Redfern, 10 Botany Rd., Redfern.	50026	1978	Premise Match	123m	North West
MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicentre Redfern, 10 Botany Rd., Redfern.	61736	1975	Premise Match	123m	North West
DRY CLEANERS, PRESSERS&/OR DYERS.	Lawrence, 6 Botany Rd., Alexandria.	24162	1975	Premise Match	124m	North West
MOTOR GARAGES & SERVICE STATIONS.	Valida Garage, 154 Botany Rd., Alexandria.	65662	1986	Premise Match	124m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Valida Garage, 154 Botany Rd., Alexandria. 2015	57785	1982	Premise Match	124m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Nicolosi, W., 154 Botany Rd., Alexandria.	50591	1978	Premise Match	124m	South West
MOTOR GARAGES & SERVICE STATIONS.	Waterloo Car Centre, Caltex, 762 Elizabeth St., Waterloo.	65685	1986	Premise Match	126m	East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Waterloo Car Centre (Caltex). 762 Elizabeth St. Waterloo. 2017.	57818	1982	Premise Match	126m	East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Waterloo Car Centre. 762 Elizabeth St., Waterloo.	51059	1978	Premise Match	126m	East
MOTOR GARAGES &/OR ENGINEERS.	Waterloo Car Centre, 762 Elizabeth St. Waterloo.	59745	1975	Premise Match	126m	East
MOTOR GARAGES & ENGINEERS(M6S6)	Caltex Service Station, 762 Elizabeth St. WATERLOO	337506	1970	Premise Match	126m	East
MOTOR GARAGES & ENGINEERS(M6S6)	Waterloo Car Centre, 762 Elizabeth St. & Wellington St. WATERLOO	338843	1970	Premise Match	126m	East

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
Motor Garages & Engineers	Waterloo Car Centre, 762 Elizabeth St. & Wellington St. Waterloo	123505	1965	Premise Match	126m	East
Motor Service Stations - Petrol, Oil, Etc.	Waterloo Car Centre, Cnr. Wellington & Elizabeth Sts. Waterloo	126224	1965	Premise Match	126m	East
DRY CLEANERS,PRESSERS/DYERS (D710)	McDermotts, 134 Pitt St., Redfern	292402	1970	Premise Match	128m	North
MOTOR GARAGES & ENGINEERS(M6S6)	Renault (AuSt.) Pty. Ltd., 153 George St. REDFERN	338500	1970	Premise Match	138m	North
Motor Garages & Engineers	Renault (Australia) Pty. Ltd., 153 George St. Redfern	123283	1965	Premise Match	138m	North
Motor Garages & Service Stations	Regent Auto Repairs, 156 Regent St., Redfern 2016	53808	1991	Premise Match	138m	North West
MOTOR GARAGES & ENGINEERS	Dalton Motor Garage, 150 Regent St. REDFERN	347006	1961	Premise Match	148m	North West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Tony's Service Station, 150a Regent St. REDFERN	351169	1961	Premise Match	148m	North West
MOTOR GARAGES &/OR ENGINEERS	Dalton Motor Garage, 150 Regent St., Redfern	83657	1950	Premise Match	148m	North West
MOTOR GARAGES &/OR ENGINEERS	Dalton Motor Garage, 150 Regent St., Redfern	83658	1950	Premise Match	148m	North West
Motor Garages & Service Stations	Quiet-A-Drive Pty. Ltd., 68 Wyndham St., Alexandria 2015	53791	1991	Premise Match	157m	West
MOTOR GARAGES & SERVICE STATIONS.	Quiet-A-Drive Pty. Ltd , 68 Wyndham St., Alexandria.	65303	1986	Premise Match	157m	West
MOTOR GARAGES & SERVICE STATIONS.	Tonna, A. & F., 68 Wyndham St., Alexandria.	65576	1986	Premise Match	157m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Quiet-A-Drive Pty. Ltd., 68 Wyndham St Alexandria. 2015.	57424	1982	Premise Match	157m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Quiet-A-Drive Pty. Ltd., 68 Wyndham St., Alexandria.	50705	1978	Premise Match	157m	West
MOTOR GARAGES &/OR ENGINEERS.	Quiet-A-Drive Pty. Ltd., 68 Wyndham St., Alexandria.	59430	1975	Premise Match	157m	West
MOTOR GARAGES & ENGINEERS(M6S6)	Quiet-A-Drfve Pty. Ltd., 68 Wyndham St. ALEXANDRIA	338463	1970	Premise Match	157m	West
Motor Garages & Engineers	Quiet-A-Drive Pty. Ltd., 68 Wyndham St. Alexandria	122087	1965	Premise Match	157m	West
Motor Garages & Service Stations	Tony's Service Station, 11 Henderson Rd., Alexandria 2015	53949	1991	Premise Match	160m	North West
MOTOR GARAGES & SERVICE STATIONS.	Central Service Station, 11 Henderson Rd., Alexandria.	64449	1986	Premise Match	160m	North West
MOTOR GARAGES & SERVICE STATIONS.	Transtorque Engineering, 11 Henderson Rd., Alexandria.	65642	1986	Premise Match	160m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Central Service Station, 11 Henderson Rd., Alexandria. 2015.	56506	1982	Premise Match	160m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Transtorque Engineering, 11 Henderson Rd., Alexandria.2015.	57765	1982	Premise Match	160m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Smith. Leslie, J„ Pty. Ltd.. 11 Henderson Rd., Alexandria.	50843	1978	Premise Match	160m	North West
MOTOR GARAGES &/OR ENGINEERS.	Smith, Leslie, J. Pty. Ltd., 11 Henderson Rd., Alexandria.	59542	1975	Premise Match	160m	North West
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Central Service Station, 11 Henderson Rd.ALEXANDRIA	340958	1970	Premise Match	160m	North West
MOTOR GARAGES & ENGINEERS(M6S6)	Smith,Leslie J. Pty. Ltd., 11 Henderson Rd.ALEXANDRIA	338612	1970	Premise Match	160m	North West
Motor Service Stations - Petrol, Oil, Etc.	Central Service Station, 11 Henderson Rd. Alexandria	125355	1965	Premise Match	160m	North West
Motor Garages & Engineers	Smith, Leslie J. Pty. Ltd., 11 Henderson Rd. Alexandria	122088	1965	Premise Match	160m	North West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Central Service Station, 11 Henderson Rd. ALEXANDRIA	350458	1961	Premise Match	160m	North West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	McGuckin & Smith, 11 Henderson Rd. ALEXANDRIA	350847	1961	Premise Match	160m	North West
MOTOR GARAGES & ENGINEERS	McGuckin & Smith, 11 Henderson Rd. ALEXANDRIA	347680	1961	Premise Match	160m	North West

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR SERVICE STATIONS-PETROL, Etc.	Central Service Station, 11 Henderson Rd., Alexandria	85861	1950	Premise Match	160m	North West
MOTOR GARAGES &/OR ENGINEERS	Central Service Station, 11 Henderson Rd., Alexandria	83569	1950	Premise Match	160m	North West
DRY CLEANERS & PRESSERS.	Palms Dry Cleaners, The, 130 Regent St., Redfern.	25471	1986	Premise Match	172m	North West
DRY CLEANERS & PRESSERS. (D8500)	Palms Dry Cleaners, The, 130 Regent St., Redfern. 2016.	24001	1982	Premise Match	172m	North West
DRY CLEANERS, PRESSERS &/OR DYERS	Palms Dry Cleaners, The, 130 Regent St., Redfern.	20904	1978	Premise Match	172m	North West
DRY CLEANERS, PRESSERS&/OR DYERS.	Palms Dry Cleaners, The, 130 Regent St., Redfern.	24264	1975	Premise Match	172m	North West
DRY CLEANERS,PRESSERS/DYERS (D710)	Palms Dry Cleaners (The, 130 Regent St., Redfern	292440	1970	Premise Match	172m	North West
Dry Cleaners, Pressers/Dyers	Palms Dry Cleaners (The), 130 Regent St., Redfern	76277	1965	Premise Match	172m	North West
DRY CLEANERS, PRESSERS / DYERS	Palms Dry Cleaners (The, 130 Regent St., Redfern	299212	1961	Premise Match	172m	North West
Motor Garages & Service Stations	BP Eveleigh Service Station, 118 Regent St, Redfern 2016	66546	1991	Premise Match	195m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Wyndham Service Centre, Wyndham St., Alexandria. 2015.	57868	1982	Premise Match	197m	South West
MOTOR SERVICE STATIONS - PETROL, OIL	Wyndham Service Centre. Wyndham St., Alexandria.	62058	1975	Premise Match	197m	South West
Motor Service Stations - Petrol, Oil, Etc.	Wyndham Service Centre, Wyndham St. Alexandria	125364	1965	Premise Match	197m	South West
Motor Garages & Engineers	Wyndham Service Centre, Wyndham St. Alexandria	122091	1965	Premise Match	197m	South West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Wyndham Service Centre Cnr. Wyndham & McEvoy Sts. ALEXANDRIA	351315	1961	Premise Match	197m	South West
MOTOR GARAGES & ENGINEERS	Wyndham Service Centre, Cnr. Wyndham & McEvoy Sts. ALEXANDRIA	348500	1961	Premise Match	197m	South West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Wyndham Service Centre, Cnr. Wyndham & McEvoy Sts., Alexandria	351316	1961	Premise Match	197m	South West
DRY CLEANERS, PRESSERS & DYERS	Jones, Dry Cleaners Pty. Ltd. 147 Regent St., Redfern	35346	1950	Premise Match	204m	North West
Motor Garages & Service Stations	Autohaus Strecker, 75 Wyndham St, Alexandria 2015	53526	1991	Premise Match	208m	West
MOTOR GARAGES & SERVICE STATIONS.	Autohaus Strecker, 75 Wyndham St., Alexandria.	63988	1986	Premise Match	208m	West
ENGINEERS - LAUNDRY &/OR DRY CLEANING. (E7380)	Carmichael, C. & Son Pty. Ltd., 79 Wyndham St., Alexandria. 2015.	28687	1982	Premise Match	208m	West
ENGINEERS-LAUNDRY &/OR DRY CLEANING.	Carmichael, C. & Son Pty. Ltd., 79 Wyndham St., Alexandria	25756	1978	Premise Match	208m	West
ENGINEERS-LAUNDRY &/OR DRY CLEANING.	Carmichael, C, & Son Pty. Ltd., 79 Wyndham St., Alexandria.	29740	1975	Premise Match	208m	West
ENGINEERS-LAUNDRY & DRY CLEANING (E660)	Carmichael,C.& Son Pty. Ltd., 79 Wyndham St., Alex.	300084	1970	Premise Match	208m	West
Engineers - Laundry & Dry Cleaning	Carmichael C. & Son., 79-83 Wyndham St., Alexandria	83320	1965	Premise Match	208m	West
ENGINEERS-LAUNDRY & DRY CLEANING	Carmichael, C. & Son, 79-83 Wyndham St., Alexandria	307510	1961	Premise Match	208m	West
MOTOR GARAGES & SERVICE STATIONS.	BP Eveleigh Service Station, 118 Regent St., Redfern.	64138	1986	Premise Match	213m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	BP Eveleigh Service Station, 118 Regent St Redfern. 2016.	56210	1982	Premise Match	213m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Eveleigh Service Station. 118 Regent St., Redfern.	49543	1978	Premise Match	213m	North West
MOTOR SERVICE STATIONS - PETROL, OIL	BPEveleigh Service Station, 118 Regent St., Redfern.	61498	1975	Premise Match	213m	North West
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	BP Everleigh Service Station, 118 Regent St. REDFERN	340874	1970	Premise Match	213m	North West
MOTOR GARAGES & SERVICE STATIONS.	Esso Redfern Service Station, 10 Cope St., Redfern.	64657	1986	Premise Match	224m	North West

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
DRY CLEANERS,PRESSERS/DYERS (D710)	Johnson's Dry Cleaning Service, 144 Renwick St., Redfern	292355	1970	Premise Match	225m	North
Dry Cleaners, Pressers/Dyers	Johnson's Dry Cleaning Service, 144 Renwick St., Redfern	76210	1965	Premise Match	225m	North
DRY CLEANERS, PRESSERS / DYERS	"Johnson's Dry Cleaning Service, 144 Renwick St., Redfern	299016	1961	Premise Match	225m	North
MOTOR GARAGES & ENGINEERS(M6S6)	MacKenzie & Adams Pty. Ltd.,Cnr. Garden St. & Henderson Rd.ALEXANDRIA	338182	1970	Premise Match	232m	West
Motor Garages & Engineers	MacKenzie & Adams Pty. Ltd., Cnr. Garden St. & Henderson Rd. Alexandria	122085	1965	Premise Match	232m	West
MOTOR GARAGES &/OR ENGINEERS	McKenzie and Adams, Garden St. and Henderson Rd., Alexandria	84066	1950	Premise Match	232m	West
DRY CLEANERS, PRESSERS&/OR DYERS.	Athens Dry Cleaners, 639 Elizabeth St., Waterloo	23926	1975	Premise Match	236m	North East
MOTOR GARAGES &/OR ENGINEERS.	Redfern Service Station, 133 Regent St., Redfern.	59451	1975	Premise Match	243m	North West
MOTOR GARAGES & SERVICE STATIONS.	Redfern Service Station, 133 Regent St., Redfern.	65329	1986	Premise Match	244m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Redfern Service Station, 133 Regent St., Redfern. 2016.	57447	1982	Premise Match	244m	North West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Redfern Service Station. 133 Regent St., Redfern.	50724	1978	Premise Match	244m	North West
MOTOR GARAGES & ENGINEERS(M6S6)	Redfern Service Station, 133 Regent St. REDFERN	338488	1970	Premise Match	244m	North West
Motor Garages & Engineers	Redfern Service Station, 133 Regent St. Redfern	123282	1965	Premise Match	244m	North West
MOTOR GARAGES & ENGINEERS	Redfern Service Station, 133 Regent St. REDFERN	347988	1961	Premise Match	244m	North West
Motor Garages & Service Stations	Redfern Service Station, 131 Regent St., Redfern 2016	53803	1991	Premise Match	264m	North
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Jones, E. H., 131 Regent St. REDFERN	350735	1961	Premise Match	264m	North
MOTOR SERVICE STATIONS-PETROL, Etc.	Jones, E. H., 131 Regent St., Redfern	86093	1950	Premise Match	264m	North
MOTOR GARAGES &/OR ENGINEERS	Redfern Service Station (Williams and Eyers), 131 Regent St., Redfern	84264	1950	Premise Match	264m	North
MOTOR SERVICE STATIONS-PETROL, Etc.	Redfern Service Station, 131 Regent St., Redfern	86323	1950	Premise Match	264m	North
MOTOR SERVICE STATIONS-PETROL, Etc.	Red-Fern Service Station, 131 Regent St., Redfern	86324	1950	Premise Match	264m	North
MOTOR GARAGES & SERVICE STATIONS.	Waterloo Service Station Cnr. Morehead & Mcevoy Streets, Waterloo.	63838	1986	Road Intersection	287m	South East
MOTOR GARAGES & ENGINEERS(M6S6)	Waterloo Service Station, Cnr. McEvoy & Moorehead Sts.WATERLOO	338844	1970	Road Intersection	287m	South East
Motor Garages & Engineers	Automotive Quick Service, Moorehead & McEvoy Sts. Waterloo	123499	1965	Road Intersection	287m	South East
Motor Garages & Engineers	Waterloo Service Station, Cnr. McEvoy & Moorehead Sts. Waterloo	123506	1965	Road Intersection	287m	South East
Motor Service Stations - Petrol, Oil, Etc.	Waterloo Service Station, Cnr. McEvoy & Morehead Sts. Waterloo	126225	1965	Road Intersection	287m	South East
MOTOR GARAGES & SERVICE STATIONS.	Whittingham, Alex & Sons Pty. Ltd., 40 Henderson Rd., Alexandria.	65710	1986	Premise Match	287m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Whittingham, Alex & Sons Pty. Ltd., 40 Henderson Rd., Alexandria.2015.	57846	1982	Premise Match	287m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Whittingham, Alex & Sons Pty. Ltd., 40 Henderson Rd., Alexandria.	51106	1978	Premise Match	287m	West
MOTOR GARAGES &/OR ENGINEERS.	Whittingham. Alex & Sons Pty. Ltd., 40 Henderson Rd., Alexandria	59780	1975	Premise Match	287m	West
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Whittingham,Alex & Sons Pty. Ltd., 40 Henderson Rd.ALEXANDRIA	341629	1970	Premise Match	287m	West
MOTOR GARAGES & ENGINEERS(M6S6)	Whittingham,Alex & Sons Pty. Ltd., 40 Henderson Rd.ALEXANDRIA	338884	1970	Premise Match	287m	West
Motor Garages & Engineers	Whittingham, Alex & Sons Pty. Ltd., 40 Henderson Rd. Alexandria	122090	1965	Premise Match	287m	West

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
Motor Service Stations - Petrol, Oil, Etc.	Whittingham, Alex & Sons Pty. Ltd., 40 Henderson Rd. Alexandria	125363	1965	Premise Match	287m	West
MOTOR GARAGES & ENGINEERS	Whittingham, Alec, 40 Henderson Rd. ALEXANDRIA	348446	1961	Premise Match	287m	West
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Whittingham, Alex., 40 Henderson Rd. ALEXANDRIA	351290	1961	Premise Match	287m	West
MOTOR SERVICE STATIONS-PETROL, Etc.	Whittingham, A., 40 Henderson Rd., Alexandria	86526	1950	Premise Match	287m	West
DRY CLEANERS, PRESSERS&/OR DYERS.	Sharpe Bros., 286 Botany Rd., Alexandria.	24325	1975	Premise Match	304m	South
DRY CLEANERS,PRESSERS/DYERS (D710)	Sharpe Bros., 286-288 Botany Rd., Alexandria	292500	1970	Premise Match	304m	South
Dry Cleaners, Pressers/Dyers	Seven Hills Sharp Bros., 286-288 Botany Rd., Alexandria	76329	1965	Premise Match	304m	South
DRY CLEANERS, PRESSERS / DYERS	Sharp Bros., 286-288 Botany Rd., Alexandria	299261	1961	Premise Match	304m	South
DRY CLEANERS, PRESSERS & DYERS	Sharpe Bros., 286-288 Botany Rd., Alexandria	35685	1950	Premise Match	304m	South
DRY CLEANERS & PRESSERS. (D8500)	London Dry Cleaning, 48 Henderson Rd., Alexandria. 2015.	23944	1982	Premise Match	311m	West
MOTOR GARAGES & ENGINEERS(M6S6)	Harrison,Reg. Pty. Ltd., 44 Hiles St. ALEXANDRIA	337985	1970	Premise Match	312m	South
Motor Garages & Engineers	Harrison, Reg. Pty. Ltd., 44 Hiles St. Alexandria	122083	1965	Premise Match	312m	South
MOTOR GARAGES & ENGINEERS	Harrison, Reg. Pty. Ltd., 44 Hiles St. ALEXANDRIA	347331	1961	Premise Match	312m	South
Motor Garages & Service Stations	Automotive Quick Service, 230 Young St, Waterloo 2017	53527	1991	Premise Match	315m	East
MOTOR GARAGES & SERVICE STATIONS.	Automotive Quick Service, 230 Young St., Waterloo.	63991	1986	Premise Match	315m	East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Automotive Quick Service, 230 Young St., Waterloo. 2017.	56061	1982	Premise Match	315m	East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Automotive Quick Service, 230 Young St., Waterloo.	49328	1978	Premise Match	315m	East
DRY CLEANERS, PRESSERS&/OR DYERS.	Personality Dry Cleaning, 74 Regent St., Redfern.	24281	1975	Premise Match	326m	North
DRY CLEANERS,PRESSERS/DYERS (D710)	Personality Dry Cleaners, 74 Regent St., Redfern	292451	1970	Premise Match	326m	North
Dry Cleaners, Pressers/Dyers	Personality Dry Cleaners, 74 Regent St., Redfern	76286	1965	Premise Match	326m	North
DRY CLEANERS, PRESSERS / DYERS	Personality Dry Cleaning (Office), 74 Regent St., Redfern	299218	1961	Premise Match	326m	North
DRY CLEANERS, PRESSERS & DYERS	Redfern Dry Cleaners, 74 Regent St., Redfern	35634	1950	Premise Match	326m	North
DRY CLEANING MACHINERY & SUPPLIES-MFRS. &/OR DISTS.	Anderson S J Pty Ltd 42 McCauley St., Alexandria	299330	1961	Premise Match	332m	South West
DRY CLEANING MACHINERY & SUPPLIES-MFRS. &/OR DISTS.	Anderson, S. J. Pty. Ltd., 42 McCauley St., Alexandria	299331	1961	Premise Match	332m	South West
ENGINEERS-LAUNDRY & DRY CLEANING	Anderson, S. J. Pty. Ltd., 42 McCauley St., Alexandria	307509	1961	Premise Match	332m	South West
Motor Garages & Service Stations	Ampol Regent Service Station, 70 Regent St, Sydney. 2000	97693	1991	Premise Match	333m	North
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Regent Service Centre,Cnr. George A Redfem Sts.REDFERN	341418	1970	Road Intersection	342m	North
Motor Service Stations - Petrol, Oil, Etc.	Regent Service Centre, Cnr. George & Redfern Sts. Redfern	126089	1965	Road Intersection	342m	North
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Regent Service Centre, Cnr. George & Redfern Sts., Redfern	351004	1961	Road Intersection	343m	North
DRY CLEANING MACHINERY & SUPPLIES MFRS. &/OR DISTRIBUTORS	Abel Lemon and Co. Pty. Ltd., 193 Elizabeth St., Waterloo	35839	1950	Premise Match	354m	South
DRY CLEANERS & PRESSERS.	Lawrence, 152 Redfern St., Redfern.	25370	1986	Premise Match	357m	North
DRY CLEANERS & PRESSERS. (D8500)	Lawrence, 152 Redfern St., Redfern. 2016.	23898	1982	Premise Match	357m	North

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES & SERVICE STATIONS.	Caltex Waterloo Service Station 953 Bourke Street, Waterloo.	63829	1986	Premise Match	363m	South East
MOTOR GARAGES & SERVICE STATIONS.	Caltex Waterloo Service Station, 953 Bourke St., Waterloo.	64414	1986	Premise Match	363m	South East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Golden Fleece Waterloo Service Station, 953 Bourke St., Waterloo.2017.	56878	1982	Premise Match	363m	South East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Golden Fleece Service Station, 947 Bourke St.. Waterloo.	50158	1978	Premise Match	363m	South East
MOTOR GARAGES &/OR ENGINEERS.	Golden Fleece Service Station. 947 Bourke St., Waterloo.	58965	1975	Premise Match	363m	South East
DRY CLEANERS, PRESSERS / DYERS	4 (Four) Hour Service, 100 George St., Redfern	299020	1961	Premise Match	368m	North
DRY CLEANERS, PRESSERS & DYERS	Tasman Dry Cleaners. 170 Redfern St., Redfern	35747	1950	Premise Match	369m	North
DRY CLEANERS,PRESSERS/DYERS (D710)	Sunshine Home Laundry & Dry Cleaners, 88 Pitt St., Redfern	292533	1970	Premise Match	375m	North
Dry Cleaners, Pressers/Dyers	Sunshine Home Laundry & Dry Cleaners, 88 Pitt St., Redfern	76353	1965	Premise Match	375m	North
DRY CLEANERS, PRESSERS / DYERS	Sunshine Home Laundry & Dry Cleaners, 88 Pitt St., Redfern	299284	1961	Premise Match	375m	North
DRY CLEANERS, PRESSERS & DYERS	Sunshine Hand Laundry and Dry Cleaner, 88 Pitt St., Redfern	35719	1950	Premise Match	375m	North
DRY CLEANERS,PRESSERS/DYERS (D710)	Dante's Dry Cleaning Service 94 Redfern St., Redfern	292264	1970	Premise Match	376m	North
Dry Cleaners, Pressers/Dyers	Dante's Dry Cleaning Service, 94 Redfern St., Redfern	76132	1965	Premise Match	376m	North
DRY CLEANERS, PRESSERS / DYERS	Dante's Dry Cleaning Service, 94 Redfern St., Redfern	299090	1961	Premise Match	376m	North
DRY CLEANERS, PRESSERS & DYERS	Jones, Dry Cleaners Pty. Ltd. 90 Redfern St., Redfern	35343	1950	Premise Match	378m	North
MOTOR GARAGES & ENGINEERS	Carter, C. H., 107a Regent St. City of sydney	346834	1961	Premise Match	391m	North
MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicentre, 920 Bourke St., Waterloo.	61741	1975	Premise Match	406m	South East
Motor Garages & Engineers	Buckle Motors Pty. Ltd., 72-86 George St. Redfern	123277	1965	Premise Match	427m	North
Engineers - Laundry & Dry Cleaning	Sydney Machine Co. Pty. Ltd., 300 Botany Rd., Alexandria	83328	1965	Premise Match	430m	South
ENGINEERS-LAUNDRY & DRY CLEANING	Laundry Machine Co. Pty. Ltd., 300-310 Botany Rd., Alexandria	307515	1961	Premise Match	430m	South
DRY CLEANERS & PRESSERS.	Anderson Bros. Pty. Ltd., 46 Regent St., Redfern.	25211	1986	Premise Match	441m	North
DRY CLEANERS & PRESSERS. (D8500)	Anderson Bros. Pty. Ltd., 46 Regent St., Redfern. 2016.	23747	1982	Premise Match	441m	North
DRY CLEANERS, PRESSERS &/OR DYERS	Anderson Bros. Pty. Ltd., 46 Regent St., Redfern.	20696	1978	Premise Match	441m	North
DRY CLEANERS, PRESSERS&/OR DYERS.	Anderson Bros. Pty. Ltd., 46 Regent St., Redfern.	23913	1975	Premise Match	441m	North
DRY CLEANERS,PRESSERS/DYERS (D710)	Anderson Bros.(Dry Cleaners) Pty. Ltd., 46 Regent St.(& Branch)	292178	1970	Premise Match	441m	North
DRY CLEANERS, PRESSERS & DYERS	Anderson Bros. Pty. Ltd. 46 Regent St., Redfern	35075	1950	Premise Match	441m	North
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Ampol Castlereagh Service Station, 292 Chalmers St., Redfern.	49277	1978	Premise Match	445m	North East
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Ampol Castlereagh Service Station, 292 Chalmers St., Redfern.	49278	1978	Premise Match	445m	North East
MOTOR SERVICE STATIONS - PETROL, OIL	Ampol Castlereagh Service Station, 292 Chalmers St., Redfern,	61378	1975	Premise Match	445m	North East
MOTOR GARAGES &/OR ENGINEERS.	Ampol Castlereagh Servlet Station, 292 Chalmers St., Redfern.	58351	1975	Premise Match	445m	North East
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Ampol Castlereagh Service Station, 292 Chalmers St. REDFERN	340762	1970	Premise Match	445m	North East

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES & ENGINEERS(M6S6)	Ampol Castlereagh Service Station, 292 Chalmers St. REDFERN	337198	**1970**	Premise Match	445m	North East
Motor Garages & Engineers	Ampol Castlereagh Service Station, 292 Chalmers St. Redfern	123276	1965	Premise Match	445m	North East
Motor Service Stations - Petrol, Oil, Etc.	Castlereagh Service Station, 292-296 Chalmers St. Redfern	126082	1965	Premise Match	445m	North East
Battery Service Stations	Castlereagh Service Station., 292-296 Chalmers St., Redfern	50168	1965	Premise Match	445m	North East
MOTOR GARAGES & ENGINEERS	Castlereagh Service Station, 292-296 Chalmers St. REDFERN	346839	**1961**	Premise Match	445m	North East
DRY CLEANERS & PRESSERS.	Alex Pressing, 125 Eveleigh St., Redfern.	25208	1986	Premise Match	455m	North West
MOTOR GARAGES & ENGINEERS	Redfern Motor Garage, 76 Lawson Sq. REDFERN	347987	**1961**	Premise Match	458m	North
MOTOR SERVICE STATIONS-PETROL, Etc.	Redfern Motor Garage, 76 Lawson Sq., Redfern	86322	**1950**	Premise Match	458m	North
MOTOR GARAGES &/OR ENGINEERS	Redfern Motor Garage, 76 Lawson Sq., Redfern	84263	**1950**	Premise Match	458m	North
BATTERY SERVICE STATIONS	Castlereagh Service Station, 292-296 Chalmers St., Redfern	272002	**1961**	Premise Match	461m	North East
MOTOR GARAGES & ENGINEERS(M6S6)	Smith, C. Motors, 53 Pitt St. REDFERN	338611	**1970**	Premise Match	473m	North
Motor Garages & Engineers	Smith, Chris, 53 Pitt St. Redfern	123286	1965	Premise Match	473m	North
MOTOR GARAGES & ENGINEERS	Osborn, E. J. Motors, 53 Pitt St. REDFERN	347830	**1961**	Premise Match	473m	North
MOTOR GARAGES & ENGINEERS	Anson Motor Service, Anderson St. ALEXANDRIA	346514	**1961**	Premise Match	474m	West
Motor Service Stations - Petrol, Oil, Etc.	Fiveways Service Station, Cnr. O'Riordan St. & Botany Rd. Alexandria	125356	1965	Premise Match	476m	South
Motor Garages & Engineers	Lightburn & Co. Ltd., Cnr. Bourke St. & Botany Rd. Waterloo	123502	1965	Road Intersection	476m	South
MOTOR GARAGES &/OR ENGINEERS	H. & S. Auto Engineers, Cnr. Botany Rd. & O'Riordan Sts., Alexandria	83832	**1950**	Road Intersection	476m	South
MOTOR GARAGES &/OR ENGINEERS	H. and S. Auto Engineering, Cnr. Botany Rd. and O'Riordan St., Alexandria	83833	**1950**	Road Intersection	476m	South
MOTOR SERVICE STATIONS-PETROL, Etc.	H. and S. Auto Engineers, Cnr. Botany Rd. and O'Riordan St., Alexandria	86026	**1950**	Road Intersection	476m	South
MOTOR SERVICE STATIONS-PETROL, Etc.	Buckle Motors Trading Co. Pty. Ltd., 74-76 George St., Redfern	85831	**1950**	Premise Match	480m	North
DRY CLEANERS, PRESSERS / DYERS	Tops The Dry Cleaners of Distinction, 65 Renwick St., Rdfrn (& Branches)	299300	**1961**	Premise Match	489m	North
Motor Service Stations - Petrol, Oil, Etc.	Green Square Filling Station, Cnr. Bourke Rd. & O'Riordan St. Alexandria	125358	1965	Road Intersection	494m	South
Motor Service Stations - Petrol, Oil, Etc.	Snelgrove, F., Green Square Alexandria	125360	1965	Road Intersection	494m	South
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Snelgrove, F., Green Square ALEXANDRIA	351095	**1961**	Road Intersection	494m	South
MOTOR SERVICE STATIONS-PETROL, Etc.	Snelgrove, F. C., Green Sq., Alexandria	86402	**1950**	Road Intersection	494m	South
MOTOR GARAGES & SERVICE STATIONS.	Tela Pty. Ltd., 70 George St., Redfern.	65564	1986	Premise Match	500m	North
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Steves Motor Repairs, 70 George St, Redfern. 2016.	57625	1982	Premise Match	500m	North
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Harris Spares, 70 George St., Redfern,	50230	**1978**	Premise Match	500m	North

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Historical Business Directories

Waterloo Precinct - Estate Only, Waterloo, NSW 2017

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

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

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
MOTOR GARAGES & ENGINEERS(M6S6)	McEvoy Street Auto Port,McEvoy St. WATERLOO	338231	1970	Road Match	0m
Motor Garages & Service Stations	Waterloo Service Station McEvoy St., Waterloo	53985	1991	Road Match	0m
MOTOR GARAGES & SERVICE STATIONS.	Waterloo Service Station, McEvoy St., Waterloo.	65686	1986	Road Match	0m
MOTOR GARAGES & SERVICE STATIONS.	Redfern Service Centre, George St., Redfern.	65328	1986	Road Match	22m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Regern Service Centre, George St., Redfern.	50727	1978	Road Match	22m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Regern Service Centre, George St., Redfern. 2016.	57450	1982	Road Match	22m
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Smith,C. Service Station,George StREDFERN	341469	1970	Road Match	22m
DRY CLEANERS, PRESSERS & DYERS	Tasman Dry Cleaners. Castlereagh St., Redfern	35748	1950	Road Match	136m
MOTOR GARAGES & SERVICE STATIONS.	Wyndham Service Centre, Wyndham St., Alexandria.	65733	1986	Road Match	162m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Wyndham Service Centre, Wyndham St., Alexandria.	51135	1978	Road Match	162m
MOTOR GARAGES & ENGINEERS(M6S6)	Wyndham Service Centre,Wyndham St. ALEXANDRIA	338920	1970	Road Match	162m
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Wyndham Service Centre,Wyndham St. ALEXANDRIA	341647	1970	Road Match	162m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	MacKenzie & Adams Pty. Ltd., Garden St., Alexandria.	50406	1978	Road Match	242m
MOTOR GARAGES &/OR ENGINEERS.	MacKenzie & Adams Pty. Ltd., Garden St., Alexandria.	59178	1975	Road Match	242m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Waterloo Service Station, Moorehead St., Waterloo.	49643	1978	Road Match	251m
MOTOR GARAGES & ENGINEERS(M6S6)	BP Waterloo Service Station,Moorehead Rd.WATERLOO	337416	1970	Road Match	251m
MOTOR SERVICE STATIONS - PETROL, OIL	BP Waterloo Service Station. Moorehead St., Waterloo.	61580	1975	Road Match	251m
MOTOR GARAGES &/OR ENGINEERS	Scholtz, E. N., 231 Elizabeth St., Redfern	84347	1950	Road Match	279m
DRY CLEANERS, PRESSERS & DYERS	Immaculate Dry Cleaners, Redfern St. Redfern	35300	1950	Road Match	329m
DRY CLEANERS, PRESSERS & DYERS	Tasman Dry Cleaners. Renwick St., Redfern	35775	1950	Road Match	329m
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Golden Fleece Service Station,Bourke St. WATERLOO	341167	1970	Road Match	356m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Alexandria Auto Port, Mitchell Rd.. Alexandria.	49221	1978	Road Match	442m
Motor Service Stations - Petrol, Oil, Etc.	Erskineville Auto Port, Mitchell Rd. Erskineville	125686	1965	Road Match	442m
MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Erskineville Auto Port, Mitchell Rd. ERSKINEVILLE	350563	1961	Road Match	442m

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Erskineville Auto Port,Mitchell Rd.ERSKINEVILLE	341034	**1970**	Road Match	442m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Erskineville Auto Port. Mitchell Rd.. Erskineville.	49952	**1978**	Road Match	442m
MOTOR SERVICE STATIONS - PETROL, OIL	Erskineville Auto Port, Mitchell Rd., Erskineville	61687	**1975**	Road Match	442m
MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicenter, Mitchell Rd., Alexandria.	61710	**1975**	Road Match	442m
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Esso Servicenter,Mitchell Rd.ALEXANDRIA	341097	**1970**	Road Match	442m
MOTOR GARAGES & ENGINEERS(M6S6)	Alexandria Auto Repairs,O'Riordan St. BEACONSFIELD	337173	**1970**	Road Match	481m
MOTOR SERVICE STATIONS-PETROL,OIL,Etc. (M716)	Hertz Truck Rental Station,Bourke Rd.ALEXANDRIA	341202	**1970**	Road Match	496m

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30 March 2026

Marko Djukanovic
Senior Project Manager
Stockland Development Pty Ltd
Level 25, 133 Castlereagh Street
Sydney NSW 2000

Dear Marko,

Re: Interim Audit Advice #4: Waterloo South Redevelopment Precinct, Waterloo NSW
Review of Updated Overarching Remedial Action Plan

1.0 Introduction and Background

Melissa Porter (the Site Auditor) of Senversa Pty Ltd (Senversa) has been engaged by Stockland Development Pty Ltd (Stockland) as a NSW Environment Protection Authority (EPA) Accredited Contaminated Sites Auditor for the proposed redevelopment of Waterloo South Precinct, located at various addresses along Cope Street, George Street, John Street, Pitt Street and Wellington Street in Waterloo, NSW (hereafter referred to as 'the site').

It is understood that development plans for the site, which is currently occupied by a social housing estate and childcare centre, are to include the demolition of all existing buildings and redevelopment of the site as a mixed use precinct comprising residential apartments, basement car parking, retail and commercial space (with a child care), potential educational facility and public open spaces. JBS&G Australia Pty Ltd (JBS&G), engaged as the environmental consultant to assess the contamination status of the site, produced the following reports, which were forwarded to the Site Auditor for review:

- 'Data Gap Investigation Waterloo South Redevelopment Precinct, Waterloo, NSW' dated 27 June 2025 by JBS&G (DGI).
- 'Overarching Remedial Action Plan, Waterloo South Redevelopment Precinct, Waterloo, NSW' dated 27 March 2026 by JBS&G (O-RAP).

The DGI was reviewed by the auditor and comments were provided in IAA No. 1 issued 17 June 2025. Following revision of the DGI, the auditor issued IAA No. 2 on 24 July 2025 which stated the updated data gap investigation provides an adequate understanding of the nature and extent of contamination at the site to inform future development of staged remediation action plans.

An IAA issued 2 October 2025 provided review comments for a previous version the O-RAP. This interim audit advice details the review of the updated O-RAP in relation to the contamination status of the site.

Additional specialist advice should be obtained for the geotechnical and heritage issues referred to in the reports.

2.0 Review Comments

The Site Auditor has undertaken a review of the updated O-RAP against the requirements specified in the *Guidelines for the NSW Site Auditor Scheme (3rd edition)* (NSW EPA, 2017) and the *Guidelines for Consultants Reporting on Contaminated Sites* (NSW EPA, 2020).

The auditor considers that the Overarching RAP provides an adequate outline of remediation approaches that can be implemented, given the current understanding of the nature and extent of contamination. The preferred remediation option is the cap and containment of impacted fill subject to leachability and groundwater considerations.

Specific remediation action plans will be prepared for each stage of the site redevelopment and will be provided to the auditor for review. These specific RAPs are required to outline details of the data gap investigation and specific remediation required for that area.

The auditor has provided a minor comment below on new information in the updated Overarching RAP. This comment can be considered for each future stage specific RAP.

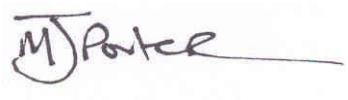
- Section 5. Please be specific on the sampling rate required for future asbestos assessment in each of the scenarios listed, i.e. state the number of samples required per hectare for each scenario. It is understood that the current O-RAP provides an overview of remediation options and that auditor approved stage specific RAPs are required prior to remediation.

We are happy to help with the above and any other queries or concerns you may have.

3.0 Close

We look forward to receiving a response to the comments above and trust this meets your current requirements. Should you have any queries or require further information, please do not hesitate to contact the undersigned.

Yours sincerely,
On behalf of **Senversa Pty Ltd**



Melissa Porter
NSW EPA Accredited Site Auditor (0803)

ES/MP

Technical Limitations and Uncertainty *– This Interim Advice is not a Site Audit Report or a Site Audit Statement, as defined in the Contaminated Land Management Act 1997, but forms part of the Site Audit process*. It is intended that a Site Audit Statement and report will be issued at the completion of the site audit.
Consistent with NSW EPA requirements for staged "sign-off" of sites that are the subject of progressive assessment, remediation and validation, the Auditor is required to advise that:

- *This site audit advice does not constitute a site audit report or statement.*
- *This letter is considered by the Auditor to be consistent with NSW EPA guidelines and policies.*
- *This letter will be documented in the final Site Audit Statement and associated documentation.*
- *At the completion of the site audit, a Site Audit Statement will be prepared, for the consent agency to include the Site's property information, held by the local council.*

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