

PROJECT CONSTRUCTION GROUNDWATER MONITORING PROGRAM

Groundwater Monitoring Program

Sydney Metro West – Western Tunnelling Package

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TABLE OF CONTENTS

Document Details.....	2
Document Authorisation.....	2
Revision History.....	5
Terms and Definitions.....	6
1 INTRODUCTION	8
1.1 Project Description.....	8
1.2 Context.....	10
1.3 Environmental Management System Overview.....	10
1.4 Consultation Requirements.....	10
1.5 Certification and Approval.....	11
2 PURPOSE AND SCOPE	12
2.1 Purpose.....	12
2.2 Scope.....	12
3 OBJECTIVES.....	13
4 ENVIRONMENTAL REQUIREMENTS	14
4.1 Legislation and Guidelines.....	14
4.2 Approvals, Licenses and Permits.....	14
4.3 Smart Principles.....	15
5 EXISTING ENVIRONMENT.....	16
6 ENVIRONMENTAL IMPACTS SUMMARY.....	20
7 GROUNDWATER MONITORING	21
7.1 Overview.....	21
7.2 Existing Groundwater Reports.....	21
7.3 Existing Groundwater Monitoring Data.....	24
7.4 Data Gap Assessment and Additional Investigations.....	25
7.5 Baseline Monitoring Network and Nominated Monitoring Network.....	25
7.6 Groundwater Level and Drawdown Monitoring.....	30
7.6.1 Monitoring Program.....	30
7.6.2 Monitoring Methodology.....	30
7.6.3 Data Analysis.....	32
7.6.4 Performance Criteria and Trigger Action Response Plan.....	32
7.7 Groundwater Quality Monitoring.....	34
7.7.1 Monitoring Program.....	34
7.7.2 Monitoring Methodology.....	36
7.7.3 Data Analysis.....	39
7.7.4 Performance Criteria and Trigger Action Response Plan.....	40
8 EXCAVATIONS / TUNNEL INFLOWS.....	44
8.1 Excavations.....	44
8.1.1 Monitoring Program.....	44
8.1.2 Monitoring Methodology.....	44

8.1.3 Data Analysis	45
8.1.4 Performance Criteria	45
8.2 Tunnels	46
8.2.1 Monitoring Program.....	46
8.2.2 Monitoring Methodology	47
8.2.3 Data Analysis	47
8.2.4 Performance Criteria	47
9 WATER TREATMENT PLANTS.....	48
9.1 Water Treatment Plant Monitoring.....	48
9.1.1 Monitoring Methodology	48
9.1.2 Data Analysis	48
9.1.3 Performance Criteria	49
9.1.4 Water Treatment Plant Commissioning	50
9.1.5 Water Treatment Plant Post Commissioning	51
9.1.6 Water Treatment Plant Discharge Volumes.....	51
10 LABORATORY TESTING – WATER QUALITY	52
10.1 Quality Assurance / Quality Control.....	52
10.2 Laboratory Selection and Water Quality Testing Parameters	52
10.2.1 Laboratory Selection	52
10.2.2 Laboratory Quality Assurance / Quality Control.....	52
10.3 Suitability of Sampling Results	53
10.3.1 Duplicate RPDs.....	53
10.3.2 Suitably Qualified Staff.....	54
10.3.3 Calibration Records.....	54
10.3.4 Monitoring Program.....	54
10.4 Calibration, Quality Assurance and Competency	55
11 GROUNDWATER MANAGEMENT STRATEGIES.....	56
12 COMPLIANCE MANAGEMENT	57
12.1 Roles and Responsibility	57
12.2 Monitoring Records	58
12.3 Auditing.....	58
12.4 Reporting	58
13 REVIEW AND IMPROVEMENT	60
13.1 Continuous Improvement	60
13.2 Document Updates	60
13.3 Distribution.....	60
ATTACHMENTS.....	61
Attachment 1 – Compliance Matrix	62
Attachment 2 – Stakeholder Consultation	69
Attachment 3 – Proposed Monitoring Locations	77
Attachment 4 – Groundwater Quality Monitoring Data	79
Attachment 5 – Default Guideline Values (DGVs) for Discharges to Waterways and Groundwater Quality	80

DOCUMENT CONTROL

The current document version number and date of revision are shown in the document footer. All changes made to the Management Plan during its implementation on a live project are to be recorded in the amendment tables below.

Revision History

Revision	Date	Description of changes	Prepared by	Approved by
A	24/03/2022	Early Works Submission	M. Singleton-Fookes D. Harris	S.Hussey
B	14/06/2022	Draft following stakeholder consultation	S.Mifsud, D. Harris	S.Hussey
C	29/05/2024	Annual Review + amend site specific trigger criteria based on DCCEEW letter (dated 21 May 2024) Sections updated: Sections 1-3, 5, 7-12, Attachments 1 - 6	H.Nilar (GLC) P.Carroll (EPIC)	S.Hussey
D	21/08/2024	Update in response to ER/SM	P.Carroll (EPIC) H.Nilar (GLC)	S.Hussey

Terms and Definitions

Term	Definition
AHD	Australian Height Datum
ASS	Acid Sulfate Soil
BTEXN	Benzene, toluene, ethylbenzene, xylene, naphthalene
CBD	Central Business District
CCMS	Construction Complaints Management System
CEMF	Construction Environmental Management Framework
CEMP	Construction Environmental Management Plan
Clyde MSF	Clyde Maintenance and Stabling Facility
CoPC	Contaminants of potential concern
CSSI	Critical State Significant Infrastructure
DPHI	Department of Planning Housing and Infrastructure (NSW)
DSI	Detailed Site Investigation
EIS	Environmental Impact Statement
EMS	Environmental Management System
EPA	Environmental Protection Authority
EP&A	<i>Environmental Planning and Assessment Act 1979</i>
EPL	Environmental Protection License
ER	Environmental Representative
ESCP	Erosion and Sediment Control Plan
GLC	Gamuda Engineering – Laing O’Rourke Consortium
GDE	Groundwater Dependent Ecosystem
GWMP	Groundwater Management Plan
GMP	Groundwater Monitoring Program
HIR	Hydrogeological Interpretive Report
ISC	Infrastructure Sustainability Council
IS	Infrastructure Sustainability
MCoA	Ministers’ Condition of Approval
PAH	Polycyclic Aromatic Hydrocarbons
PASS	Potential Acid Sulfate Soil
PCT	Plant Community Type
PFAS	Per- and Poly-fluoroalkyl Substances
POEO	Protection of the Environment Operations Act 1997 (NSW)
(the) Project	Sydney Metro West - Western Tunnelling Package
REMM	Revised Environmental Management Measures
SMW	Sydney Metro West
SOP	Sydney Olympic Park
SOPA	Sydney Olympic Park Authority
SSI	State Significant Infrastructure
SVOC	Semi-Volatile Organic Compounds

Term	Definition
SWMP	Soil and Water Management Plan
SWQMP	Surface Water Quality Monitoring Program
TBM	Tunnel Boring Machine
TSS	Total Suspended Solids
VOC	Volatile Organic Compounds
VoC	Verification of Competency
WTP	Western Tunnelling Package

1 INTRODUCTION

1.1 Project Description

The scope of the work being undertaken under the Sydney Metro West Western Tunnelling Package works (WTP) (the Project) includes but is not limited to, the following:

- Westmead Station box excavation, including temporary support, stub tunnels, partially mined station cavern and crossover cavern including permanent lining and support
- Parramatta Station, including excavation of station box and associated support
- Clyde Maintenance and Stabling Facility (MSF), including permanent dive structure, portal, spur running tunnels, spur tunnel junction cavern, bulk earthworks, civil structures, utilities corridor, road crossing and creek diversion
- Rosehill Services Facility, including shaft excavation, permanent lining and lateral support
- A precast segment manufacturing facility at Eastern Creek
- Demolition and site clearance works
- Tunnelling between Sydney Olympic Park (SOP) and Westmead. Tunnelling will be undertaken by placing the tunnel boring machines (TBMs) at the Rosehill Services Facility box and retrieved out at the SOP Station Box and then placed back at the Rosehill Services Facility and retrieved at the Westmead Station Box. Some surface works will be required for site establishment and to facilitate TBM retrieval and relaunching, such as crane set up and plant and material deliveries. Station box works would also be required to facilitate TBM retrieval and re-launching.

Refer to Figure 1 for the location of the WTP project.

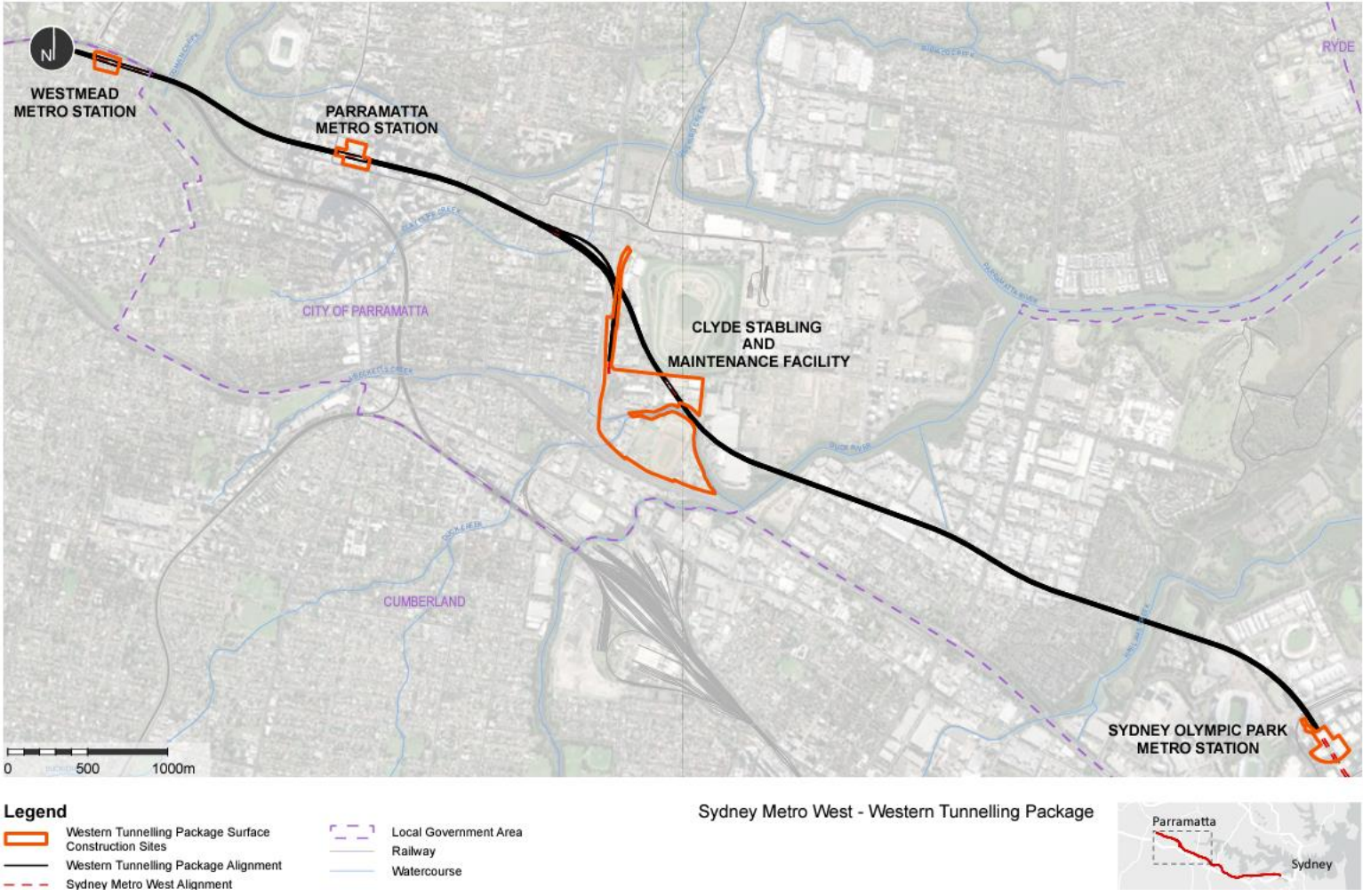


Figure 1: WTP Project Location

1.2 Context

The Construction Environmental Management Plan (CEMP) and sub-plans have been developed for the delivery of the WTP. It will be delivered by Gamuda Australia Laing O'Rourke Consortium (GLC). This Construction Groundwater Monitoring Program (GMP) forms part of the Construction Environment Management Plan (CEMP) (SMWSTWTP-GLO-1NL-EV-PLN-000001) for the Project.

Sydney Metro West – Westmead to The Bays Concept and Stage 1 received planning approval on 11 March 2021 (SSI 10038). The Project comprises the WTP, which is the western portion of Stage 1 of SSI 10038, from Sydney Olympic Park to Westmead. This GMP has been prepared to address requirements of the Minister's Conditions of Approval (MCoA) and any modifications to the MCoA, Revised Environmental Management Measures (REMMs) listed in the Sydney Metro West – Submissions Report, dated 20 November 2020, the Construction Environmental Management Framework (CEMF) requirements and all applicable legislation as they relate to the Project.

1.3 Environmental Management System Overview

An overview of the Environmental Management System (EMS) is provided in the CEMP Section 3.

Key interactions for this Monitoring Plan with other management sub-plans in the EMS include:

- Site Establishment Management Plan
- Soil and Water Management Sub-plan
- Groundwater Management Sub-plan
- Waste Management Sub-plan
- Spoil Management Sub-plan
- Flora and Fauna Management Sub-plan.

1.4 Consultation Requirements

This monitoring plan builds on the consultation that had been undertaken during the EIS and Response to Submissions, managed by the project proponent, Sydney Metro.

This program has been provided to DPE Water and Sydney Olympic Park Authority (SOPA) for review and comment, in accordance with MCoA C14(d).

Consultation was undertaken over a 21-day period, commencing on 27 April 2022 with the submission of the GMP. The Consultation approach was applied across all plans and stakeholders and included issuing of the document to stakeholders accompanied by an introductory workshop. Following receipt of comments two weeks later, an offer was made to hold a comment review workshop to discuss and close comments directly with the stakeholder the following week. A second workshop would also be made available should there be any outstanding or technical issues requiring further discussion.

An introductory meeting was held on 1 April with SOPA, which was organised by Sydney Metro and delivered by GLC. At the introductory meeting, GLC introduced themselves, the project team and outlined the scope of the WTP. The consultation approach was presented, and feedback invited on that approach. No issues were raised on the consultation approach during the introductory meetings.

SOPA did not take the offer of a comment review workshop in relation to their review of the Rev B GMP.

Details of issues raised by stakeholders during consultation is provided in Attachment 2, including copies of correspondence in accordance with MCoA A6. The approach to consultation is further outlined in the CEMP.

Ongoing consultation with stakeholders may be undertaken as required during project delivery. In line with MCoA B11, a copy of the Construction Monitoring Reports will be published on the GLC project website.

1.5 Certification and Approval

Sydney Metro West – Westmead to The Bays Concept and Stage 1 was subject to environmental impact assessment under the NSW Environmental Planning and Assessment Act 1979 (EP&A Act). It was also declared a Critical State Significant Infrastructure (CSSI) by the Minister for Planning & Public Spaces (the Minister).

An Environmental Impact Statement (EIS) has been prepared under Division 5.2 of the EP&A Act and in accordance with Part 3 of Schedule 2 of the Environmental Planning and Assessment Regulation 2000. Following exhibition of the EIS, an Amendment Report and Submissions Report were also prepared. After an assessment was carried out, the Minister determined that the Sydney Metro West – Stage 1 would be approved subject to conditions.

The planning approval (Infrastructure Approval SSI 10038) and related environmental assessment documents are located at: <https://www.planningportal.nsw.gov.au/major-projects/project/25631>.

The Revision B GMP has been expressly nominated by the Planning Secretary to be endorsed by the ER prior to obtaining Secretary Approval. This GMP was submitted to the ER who provided endorsement on 15 June 2022. Rev B of the GMP was then submitted to and DPHI (formerly DPE) for approval no later than one (1) month before the commencement of construction. Approval from DPHI was provided on 11 July 2022 with construction commencing on 19 July 2022.

The Revision B GMP, as approved by the Planning Secretary or the ER, including any minor amendments approved by the ER, will be implemented for the duration of construction and for any longer period set out in the monitoring program or specified by the Planning Secretary or the ER (whichever is greater).

This GMP (Revision D) has been updated based on comments received from NSW department of Climate Change, Energy, the Environment and Water (DCCEEW). The DCCEEW comments were in relation to the groundwater quality performance criteria (trigger values) from a groundwater monitoring bore specific performance criteria to area and aquifer-based groundwater quality trigger values (reference OUT24/7062, dated 21 May 2024). This recalculation was completed by Epic on 12 July 2024 (Attachment 6). Following a recalculation of the trigger values, DCCEEW required the GMP to be updated to reflect actions associated with exceedances of these trigger values. This update was required to be completed within three months of the recalculated trigger values.

2 PURPOSE AND SCOPE

2.1 Purpose

The purpose of this GMP is to describe the groundwater monitoring approach that will be employed by GLC employees and its subcontractors during construction of the Project. This monitoring program forms an integral part of the Project's CEMP and GLC's EMS. It applies to all works associated with Project works and establishes the environmental management controls to be implemented by GLC employees and its subcontractors.

2.2 Scope

The scope of this GMP is to describe how GLC will monitor groundwater during construction of the Project. Monitoring of groundwater will be undertaken to identify potential impacts and ensure an appropriate management regime can be implemented to address those impacts and manage local groundwater conditions.

The program provides details of the groundwater monitoring network, frequency of monitoring, monitoring requirements, and test parameters.

Not considered within this GMP are the Eastern Creek precast manufacturing facility or Sydney Olympic Park (S.O.P). The Eastern Creek Pre-Cast Facility is excluded from this program on account it does not form part of the SSI Approval given it was assessed under Part 4 of the EPA Act via a Review of Environmental Factors. S.O.P however, is excluded from this Monitoring Program on account all groundwater monitoring in the vicinity of this station is considered within the Central Tunnelling Package, currently being delivered by the Acciona Ferrovial Joint Venture (AF JV). This package includes all station boxes and tunnels between The Bays and Sydney Olympic Park.

3 OBJECTIVES

The GMP will be utilised to define, address and implement groundwater monitoring requirements. The GMP outlines how GLC will comply and implement the applicable elements of the following documents:

- Sydney Metro Construction Environmental Management Framework (CEMF)
- Minister for Planning and Public Space's Conditions of Approval for the Project (MCoA)
- Revised Environmental Mitigation Measures (REMMs)
- SSI Modifications - Modification 1 Administrative Modification
- SSI Modifications - Modification 2 Clyde Stabling and Maintenance Facility
- SSI Modifications – Modification 3 Administrative Modification
- SSI Modifications – Modification 4 Administrative Modification
- SSI Modifications – Modification 5 Administrative Modification

- Infrastructure Sustainability Council (ISC) Infrastructure Sustainability (IS) rating tool.

Specific objectives of the groundwater monitoring program relevant to CEMF, CoA, and REMMs are summarised in Attachment 1.

4 ENVIRONMENTAL REQUIREMENTS

Relevant legislation and guidelines and project specific requirements are detailed herein.

4.1 Legislation and Guidelines

GLC obligations include satisfying the requirements and complying with the provisions of the relevant legislation, guidelines, and policies, as well as international and Sydney Metro’s standards. Details are provided in Table 1.

Table 1: Shows the legislation, standards, policies and guidelines relevant to the Project

Legislation	(NSW) <i>Protection of the Environment Operations Act 1997</i> (POEO Act) (NSW) <i>Contaminated Land Management Act 1997</i> (CLM Act) (NSW) <i>Water Management Act 2000</i> (WM Act) (NSW) <i>Protection of the Environment Operations (Waste) Regulation 2014</i> (the Waste Regulation) <i>Sydney Water Act 1994</i> <i>Environmental Planning and Assessment Act 1979</i> (EP&A Act) (NSW) <i>Contaminated Land Management Act 1997</i> (CLM Act)
Standards	AS/NZS ISO 14001:2016 Environmental management systems - Requirements with guidance for use AS 1940-2017: The Storage and Handling of Flammable and Combustible Liquids AS/NZS 4452-1997: The Storage and Handling of Toxic Substances
Guidelines, Specifications and Notices	Australian and New Zealand Guidelines for Fresh and Marine Water Quality (known as ‘ANZG Guidelines’) (ANZG 2018). Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC and ARMCANZ 2000) Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (NSW EPA, 2004) Guidelines for the Assessment and Management of Groundwater Contamination (DEC 2007) Maintenance of remediation notice 28040 (EPA 2009) National Environment Protection Council (NEPC) 1999 (amended 2013), National Environment Protection (Assessment of Site Contamination) Measure (NEPM) PFAS National Environmental Management Plan 2.0 (HEPA 2020) Remediated Lands Management Plan (SOPA, 2009) (or revisions that have been accepted by the EPA)

4.2 Approvals, Licenses and Permits

This GMP has been developed to satisfy the requirements of MCoA C1. A full list of applicable MCoAs, REMMs, CEMF requirements and EPL condition requirements is provided in Attachment 1. Other legislation relevant to this GMP is included in Attachment 2 of the CEMP.

4.3 Smart Principles

In accordance with the requirements of CoA C15(j) the GMP is to be developed with consideration of SMART principles. This plan achieves this as follows:

1. Specific – the GMP for the WTP includes specific background data, sampling locations, as well as trigger values relating to specific construction sites
2. Measurable – parameters requiring reporting are all measurable
3. Actionable – the methodology for the collection and analysis of data is provided
4. Realistic – the GMP is achievable and not overly onerous
5. Timely – specific timeframes for the completion of tasks is provided.

5 EXISTING ENVIRONMENT

A review of the existing environment is included in Section 5 of the Project Groundwater Management Sub-plan (GWMP). Table 2 provides a summary overview of the key geological and hydrogeological conditions relevant to design and implementation of the groundwater monitoring program.

Table 3 provides a summary of the potential groundwater contamination conditions associated with the Project. The Soil and Water Management Plan details the contaminated land management program to be implemented to meet the requirements of the MCoA. This includes the delivery of Detailed Site Investigations across the various construction sites that will include the collection of groundwater data. This data will inform potential contaminants of concern for this program.

Table 2: Characteristics of the groundwater aspects of the WTP

Location	Hydrostratigraphic Units	Groundwater dependent ecosystems present? (High priority ecosystems are in italics)	Groundwater Users
Westmead	<ul style="list-style-type: none"> Quaternary deposits – unconfined & semi-confined aquifer (primary porosity). Mittagong Formation – Unconfined aquifer at outcrop, confined to semi-confined where overlying clays are present. 	<p>Three GDEs:</p> <ul style="list-style-type: none"> Swamp Oak open forest on river flats of the Cumberland Plain and Hunter Valley Forest Red Gum – rough-barked apple grassy woodland on alluvial flats of the Cumberland Plain along Domain Creek and Toongabbie Creek <i>Grey Box – Forest Red Gum grassy woodland on flats of the Cumberland Plain within the construction site footprint</i> 	
Paramatta	<ul style="list-style-type: none"> Ashfield Shale - aquitard Hawkesbury Sandstone -Unconfined aquifer at outcrop, confined to semi-confined where overlying clays or shale are present. Faults and dykes may be present throughout Mesozoic sediments 	<p>Four GDEs:</p> <ul style="list-style-type: none"> Swamp Oak open forest on river flats of the Cumberland Plain and Hunter Valley along Parramatta River Forest Red Gum – rough-barked apple grassy woodland on alluvial flats of the Cumberland Plain along Parramatta River <i>Grey Box – Forest Red Gum grassy woodland on flats of the Cumberland Plain along Parramatta River</i> Mangrove Forests in estuaries of the Sydney Basin Bioregion and southeast corner bioregion along Parramatta River 	<ul style="list-style-type: none"> 11 Monitoring Bores 1 industrial supply bore
Clyde and Rosehill		<p>Three GDEs:</p> <ul style="list-style-type: none"> Mangrove Forests in estuaries of the Sydney Basin Bioregion and southeast corner bioregion along Duck Creek Swamp Oak swamp forest fringing estuaries, Sydney Basin Bioregion and southeast corner bioregion along Duck Creek Saltmarsh in estuaries of the Sydney Basin Bioregion and southeast corner bioregion along Duck Creek 	

Location	Hydrostratigraphic Units	Groundwater dependent ecosystems present? (High priority ecosystems are in italics)	Groundwater Users
Sydney Olympic Park		Mangrove Forests in estuaries of the Sydney Basin Bioregion located along Haslams Creek.	<ul style="list-style-type: none"> SOPA (Blaxland Sustainable Leachate Wetlands, Wilson Park and the Water Reclamation and Management Scheme (WRAMS))

Table 3: Summary of potential groundwater contamination sources and associated contaminants of potential concern

Potential Source	Associated Contaminants	Westmead Station	Parramatta Station	Rosehill Shaft	Clyde	Tunnels	Sydney Olympic Park
Leaks and spills from fuel storage infrastructure (such as service stations, mechanic workshops)	Hydrocarbons, VOCs and heavy metals	✓		✓	✓	✓	
Firefighting activities associated with surrounding facilities (such as sub stations or aerodromes)	PFAS		✓	✓	✓	✓	✓
Land reclamation, landfilling and other uncontrolled fill material. (e.g., Sydney Olympic Park).	Metals, hydrocarbons, pesticides, polychlorinated biphenyls (PCBs)			✓	✓	✓	✓
Acid sulfate soils (ASS)	Acidic conditions, sulphides		✓	✓	✓		
Former and current industrial land uses	Hydrocarbons, heavy metals and metalloids, chlorinated hydrocarbons (solvents), phenolics, pesticides, heavy metals, PFAS, polycyclic aromatic hydrocarbons (PAH)		✓	✓	✓	✓	

Potential Source	Associated Contaminants	Westmead Station	Parramatta Station	Rosehill Shaft	Clyde	Tunnels	Sydney Olympic Park
Existing railways and associated activities (including fill material)	Metals, hydrocarbons, pesticides, nutrients, phenols, carbamates, pesticides, herbicides, PAH	✓					
Dry cleaners and solvent use (former printing facility)	Chlorinated hydrocarbons		✓	✓		✓	
Application of fertilisers and pesticides	OCP/OPP, nutrients					✓	
Former abattoir – inappropriate storage, use, disposals, and burials.	Pathogens, nutrients and pesticides						✓

6 ENVIRONMENTAL IMPACTS SUMMARY

A review of the environmental impacts relevant to groundwater is included in Section 6 of the GWMP.

Table 4 provides a summary overview of the key geological and hydrogeological conditions relevant to design and implementation of the groundwater monitoring program.

Table 4: Characteristics of potential impacts relevant to groundwater from construction stage activities

Location	Drawdown	Contamination
Westmead	<ul style="list-style-type: none"> Groundwater drawdown associated with excavations potential to impact GDEs One groundwater industrial supply bore within predicted radius of drawdown Drawdown impacts on settlement considered to be limited due to absence of Quaternary alluvium and unconsolidated sediments. 	<ul style="list-style-type: none"> Migration of groundwater contamination as a result of drawdown (further detail provided in HIR). Groundwater contamination resulting from site activities.
Paramatta	<ul style="list-style-type: none"> Groundwater drawdown associated with excavations potential to impact GDEs Drawdown impacts on settlement considered to be limited due to control measures to be implemented including diaphragm wall structures extending below final excavation level nominated by SM . 	<ul style="list-style-type: none"> Migration of groundwater contamination as a result of drawdown (further detail provided in HIR). Groundwater contamination resulting from site activities.
Clyde	<ul style="list-style-type: none"> Eleven groundwater monitoring bores within predicted radius of drawdown Drawdown impacts on settlement considered to be limited due to control measures to be implemented including tanked structures and cut-off walls. 	<ul style="list-style-type: none"> Migration of groundwater contamination as a result of drawdown (further detail provided in HIR). Groundwater contamination resulting from site activities.
Rosehill	<ul style="list-style-type: none"> Drawdown impacts on settlement considered to be limited due to control measures to be implemented including diaphragm wall structures extending below final excavation level and Rosehill's base being permanently drained. 	<ul style="list-style-type: none"> Migration of groundwater contamination as a result of drawdown (further detail provided in HIR). Groundwater contamination resulting from site activities.
Sydney Olympic Park	<ul style="list-style-type: none"> Groundwater drawdown associated with excavations potential to impact GDEs Drawdown impacts on settlement considered to be limited due to tunnelling methodology (double shield TBM), refer to Section 8 for further details. 	<ul style="list-style-type: none"> Migration of leachate to groundwater from existing waste containment structures as a result of construction (e.g., drawdown / vibration). Migration of contaminated groundwater associated with historic impacts around Sydney Olympic Park into tunnels. Groundwater contamination from leaks and spills within tunnels (contamination incidents). Groundwater contamination of Quaternary or Mesozoic sediments from migration of leachate or impacted groundwater.

7 GROUNDWATER MONITORING

7.1 Overview

The following sections outline the existing and proposed groundwater monitoring locations and details of the baseline and construction monitoring program. Baseline groundwater level and quality monitoring data has been collected from the Project groundwater monitoring network since 2018.

While GLC will temporarily undertake works at SOP as part of TBM retrieval, baseline and construction monitoring of groundwater wells will be completed by the Central Tunnelling Package (AF JV). GLC's scope at SOP is limited to TBM works including tunnelling and minimal surface works such as minor spoil load out and concreting. Given these activities are unlikely to result in groundwater level drawdown unlike the station box excavation undertaken by AF JV (Technical Paper 7 Section 5.12.1), all groundwater monitoring at SOP would be solely managed by AF JV. Details relating to groundwater monitoring at SOP therefore, are limited within this Monitoring Program.

Note – GLC have confirmed the aforementioned monitoring arrangement with AF JV in October 2023 (personal communication, Anne Anderson (AFJV) to Jason Jung (GLC), October 2023 15:35).

7.2 Existing Groundwater Reports

In addition to the EIS chapters and supporting EIS technical papers, the following documents (identified in Table 5) provide information on groundwater conditions, contamination, and considerations for water treatment plants relevant to the Project.

Table 5: Groundwater Related Reports for the Sydney Metro West Project

Report Title	Content
Golder Douglas Partners (2018a): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Monitoring Report, November 2018, 1791865-003-R-GWMR-RevA, Issued: 16 October 2018.	Factual results of hydrogeological investigations carried out along the proposed tunnel alignment. This first groundwater monitoring report included the results of well development, slug tests, groundwater sampling and level monitoring.
Golder Douglas Partners (2018b): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Level Monitoring Report Round 4, December 2018, 1791865-009-R-GWMR4-RevA, Issued: 11 January 2019.	
Golder Douglas Partners (2018c): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Level Monitoring Report Round 3, November 2018, 1791865-005-R-GWMR3-RevA, Issued: 23 November 2018.	Factual results of the ongoing groundwater level monitoring along the proposed tunnel alignment.
Golder Douglas Partners (2018d): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Level Monitoring Report Round 2,	

Report Title	Content
November 2018, 1791865-004-R-GWMR2-RevA, Issued: 6 November 2018.	
Golder Douglas Partners (2019a): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Level Monitoring Report Round 8, August 2019, 1791865-016-R-GWMR8-RevA, Issued: 6 September 2019.	
Golder Douglas Partners (2019b): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Level Monitoring Report Round 7, June 2019, 1791865-013-R-GWMR7-RevA, Issued: 17 June 2019.	Factual results of the ongoing groundwater level monitoring along the proposed tunnel alignment
Golder Douglas Partners (2019c): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Level Monitoring Report Round 6, March 2019, 1791865-012-R-GWMR6-RevA, Issued: 20 March 2019.	
Golder Douglas Partners (2019d): 00013/11180 Sydney Metro West Geotechnical Investigation Groundwater Level Monitoring Report Round 5, January 2019, 1791865-011-R-GWMR5-RevA, Issued: 11 February 2019.	
Golder Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Issued: 4 May 2020.	Factual results of the contamination investigations along the proposed tunnel alignment.
GLC (2021a): Technical memo: Assessment of water treatment plant inflow volumes and quality, SMSMW215-GLC-SWD-SW000-CT-TEM-0000003	Technical memo assessing the volumes and quality of inflows to water treatment plants proposed to collect water within sub-surface infrastructure (e.g. stations, the tunnel, dive sites and tunnel spurs) along the Sydney Metro West – western tunnel package during construction and at handover.
GLC (2021b): Sydney Metro West – Western Tunnelling Package – Hydrogeological Interpretive Report (DRAFT). SMSMW210-GLC-SWDSW000-GE- TME-000001000 – Rev A. Issued: 02 June 2021.	Hydrogeological Interpretive Report (HIR) to address the groundwater related aspects of Returnable Schedule 3.2: Technical Solution, requirement 3.2B (2.9) – Geotechnical and hydrogeological design.
Golder Douglas Partners (2021a): 00013/11180 Sydney Metro West Groundwater Monitoring Report - Stage 3 Locations, 1791865-026-R-GWM Stage 3 RevC, Issued: 23 June 2021.	Factual results of hydrogeological investigations carried out at additional locations along the proposed tunnel alignment. This groundwater monitoring report included the results of well development, groundwater sampling and level monitoring for the additional works completed in February 2021.

Report Title	Content
Golder Douglas Partners (2021b): Sydney Mero West Geotechnical Investigation Groundwater Monitoring Report – Stage 2 Locations, 1791865-023-R-GWM Stage 2 Rev 1, Issued: 20 May 2021.	Factual results of hydrogeological investigations carried out at additional locations along the proposed tunnel alignment.
Golder Douglas Partners (2021c): Sydney Mero West Geotechnical Investigation Groundwater Monitoring Report – Stage 2 Locations, 1791865-023-R-GWM Stage 2 Rev A, Issued: 7 October 2020.	Factual results of hydrogeological investigations carried out at additional locations along the proposed tunnel alignment.
GLC (2022): Technical Report: Sydney Metro West – Western Tunnelling Package – Hydrogeological Interpretative Report, SSMWSTWTP-GLO-1NL-NL000-GE-RPT-000001	Technical report developed to address groundwater related aspects of the specifications including key hydrogeological and geotechnical features, assessment of groundwater levels and inflows, hydrogeological conditions and parameters used as a basis for the design.
Epic (2022a) Clyde Zone 3b - Detailed Site Investigation, SC210108.01, Rev0, Issued: 13 September 2022	Detailed Site Investigation (DSI) at Clyde Zone 3b completed for the purposes of environmental audit. DSI undertaken in June / July 2022
Epic (2022b) Factual Groundwater Monitoring Report - Round 0 (July 2022), SC210108.03, Issued: 19 October 2022	Factual monitoring report undertaken as part of the project Groundwater Monitoring Program , presenting data from groundwater monitoring undertaken in July 2022
Epic (2022c) Westmead Station - Detailed Site Investigation, SC210108.01, Rev0, Issued: 12 December 2022	DSI at Westmead Station completed for the purposes of environmental audit. DSI undertaken in July / August 2022
Epic (2022d) Clyde Zone 1 - Detailed Site Investigation, SC210108.01, Rev0, Issued: 16 December 2022	DSI at Clyde Zone 1 completed for the purposes of environmental audit. DSI undertaken in September 2022
Epic (2023a) Parramatta Station - Detailed Site Investigation, SC210108.01, RevB, Issued: 20 Jan 2023	DSI at Parramatta Station completed for the purposes of environmental audit. DSI undertaken in November 2022
Epic (2023b) Clyde Zone 5 - Detailed Site Investigation, SC210108.01, Rev0, Issued: 6 February 2023	DSI at Clyde Zone 5 completed for the purposes of environmental audit. DSI undertaken in July to September 2022
Epic (2023c) Factual Groundwater Monitoring Report - Round 1 (July 2022), SC210108.03, Issued: 29 February 2023	Factual monitoring report undertaken as part of the project Groundwater Monitoring Program , presenting data from groundwater monitoring undertaken in October 2022.
Epic (2023d) Clyde Zone 6 - Detailed Site Investigation, SC210108.01, Rev0, Issued: 19 July 2023	DSI at Clyde Zone 6 completed for the purposes of environmental audit. DSI undertaken in September 2022 to February 2023

Report Title	Content
Epic (2023e) Clyde Zone 4 West - Detailed Site Investigation, SC210108.01, Rev0, Issued: 27 June 2023	DSI at Clyde Zone 4 west completed for the purposes of environmental audit. DSI undertaken in September 2022 to February 2023
Epic (2023f) Clyde Zone 2b/4e - Detailed Site Investigation, SC210108.01, RevC, Issued: 27 June 2023	DSI at Clyde Zone 2b/4e completed for the purposes of environmental audit. DSI undertaken in August 2022 to February 2023
Epic (2023g) Factual Groundwater Monitoring Report – Round 2 (January 2023), SC210108.03, Issued: 15 June 2023	Factual monitoring report undertaken as part of the project Groundwater Monitoring Program , presenting data from groundwater monitoring undertaken in January 2023.
Epic (2023h) Factual Groundwater Monitoring Report – Round 3 (April 2023), SC210108.03, Issued: 29 June 2023	Factual monitoring report undertaken as part of the project Groundwater Monitoring Program , presenting data from groundwater monitoring undertaken in April 2023.

Baseline groundwater monitoring data has been extracted from the reports listed above, summarised and included in **Attachment 4**. The data is discussed further in the following sections.

7.3 Existing Groundwater Monitoring Data

A network of groundwater monitoring bores has been advanced across the Project area (including stations and sections of the tunnel from Westmead up to Sydney Olympic Park) over the course of multiple environmental and geotechnical site investigations.

Monitoring bores and vibrating wire piezometers were designed to target the following hydrogeological units, providing information on groundwater levels and groundwater quality:

- Anthropogenic fill materials
- Quaternary alluvial sediments
- Residual soils
- Ashfield Shale
- Hawkesbury Sandstone

Available groundwater level and water quality monitoring results from existing monitoring bores during the baseline monitoring period is presented in **Attachment 4**.

All vibrating wire piezometers are fitted with continuous dataloggers. A number of standpipe piezometer have also been fitted with transducers and dataloggers for continuous measurement of water pressure.

The status and suitability of the documented groundwater monitoring bores for the purposes of ongoing construction monitoring continuously changed during the monitoring between July 2022 and May 2024 as a result of construction works. The ongoing viability of monitoring bores for monitoring will be assessed during quarterly monitoring events.

7.4 Data Gap Assessment and Additional Investigations

Within the current version of the HIR, data gaps have been identified and recommendations put in place to fill these data gaps. This includes works as part of geotechnical site investigations. Similarly detailed site investigations are currently underway as part of the contaminated land management program. Any new monitoring wells that are advanced as part of upcoming investigations will be assessed for suitability and purpose as monitoring points to be incorporated to the project groundwater monitoring plan as part of an adaptive management strategy. Once the reporting from this program of works has been provided, this plan will be updated as necessary.

7.5 Baseline Monitoring Network and Nominated Monitoring Network

The baseline monitoring dataset includes information collected as part of the EIS stage investigations, tender investigations and during detailed site investigations (Epic 2022 – 2023).

Construction start dates for each of the monitoring zones are presented in **Table 6**. Data collected prior to the start date presented in **Table 6** is defined as the baseline monitoring period. Groundwater level and quality monitoring has been carried out prior to and throughout the construction stages of the project to collect information on baseline conditions and assess any potential impacts to groundwater conditions during construction, including groundwater levels, drawdown, contamination status, and salinity.

Table 6: Construction start dates

Zone	Construction start date	Construction works
Clyde Zone 1 (MSF east)	January 2023	Utilities works - Excavation of bonded asbestos
Clyde Zone 2 / 4e (Rosehill)	August 2022	Diaphragm wall (D-wall) excavation
Clyde Zone 3 (Clyde Dive)	September 2022	Shaft excavation works
Clyde Zone 4w + 5b + 6	June 2023	Piling at Unwin Street Overbridge
Clyde Zone 5a (MSF west)	February 2023	Piling works at WCS
Parramatta	June 2023	D-wall excavation
Westmead	February 2023	Station box bulk excavation

The results of the baseline groundwater monitoring for the project are summarised in **Attachment 4**. This monitoring network is based on monitoring points targeting each of the construction excavation sites (in accordance with MCoA C17(a)).

The baseline monitoring data has been used to:

- Undertake an on-site audit on the condition of monitoring bores and identify any boreholes that have been damaged, destroyed or decommissioned
- Collect samples to assess baseline water quality in order to identify where risks associated with groundwater contamination may be present as a result of construction activities
- Assess groundwater levels across the project to determine if potential impacts from construction activities
- Review the proposed monitoring network and assess whether additional or alternative monitoring points are required
- Determine appropriate performance criteria (trigger values) for groundwater level and quality for project areas

Previously, performance criteria (trigger values) in relation to groundwater quality was determined for each groundwater monitoring bore. Due to ongoing construction activities across the project

area, the groundwater monitoring bore network is changing, with a number of groundwater monitoring bores being destroyed. Therefore, groundwater monitoring bore specific trigger values were not feasible. DCCEEW recommended (reference: OUT24/7062, dated 21 May 2024) to calculate area and aquifer specific groundwater quality trigger values. This allows for flexibility in the monitoring network whilst still ensuring that potential changes in groundwater quality can be monitored. Calculated baseline trigger values for selected analytes, along with trigger value determination, are presented in **Attachment 6**.

Nominated bores for ongoing monitoring (as of May 2024) are presented in **Table 7** below. Due to ongoing construction works, the locations of monitoring bores are subject to change. Additional boreholes and replacement bores are to be added as construction works progress and in response to additional site investigations planned to enable construction activities and to provide an adaptive monitoring strategy. Additional monitoring bores will be planned to fill in the identified data gaps with the location and design of monitoring points to be confirmed following third party access, stakeholder and planning approvals processes.

All standpipe piezometers identified in **Table 7** will be manually dipped to record groundwater levels, where possible. A sub-set of the nominated monitoring bores will be installed with digital transducers (dataloggers) to record continuous data on groundwater level, and a separate sub-set have been nominated for groundwater quality sampling.

Table 7: Groundwater Monitoring Network – Westmead to Sydney Olympic Park – May 2024

Monitoring zone	Groundwater monitoring bore ID*	Screen interval (mbTOC)	Target unit	Water quality	Manual water level	Level logger	Logger download
Clyde Zone 1 – 5 (Clyde MSF)	CZ1_BH13	7.0-10.0	Clay	✓	✓	LevelSCOUT2X	✓
	CZ5_MW09	2.0-5.0	Clay	✓	✓		
	CZ5_MW16	3.0-6.0	Clay	✓	✓	LevelSCOUT2X	✓
	GALC-MW12	6.8-9.8	Silty clay	✓	✓		
	SMW_WTP_BH25_s	3.0-6.0	Clay	✓	✓		
	SMW_WTP_BH25_w	7.2-10.2	Clay, Siltstone	✓	✓	Troll 400 level	✓
	SMW_ENV039_w	7.3-10.3	Clay	✓	✓	LevelSCOUT2X	✓
Clyde Zone 2 (Rosehill)	CZ4e_MW02	1.5-4.5	Gravel	✓	✓		
	CZ4e_MW03	3.0-6.0	(Sandy) Clay	✓	✓		
	SMW_BH010_w	23.5-26.5	Siltstone, sandstone		✓	CT2X; Solinst levellogger	✓
	SMW_ENV042_w	7.4-10.4	Clay		✓		
	SMW_ENV145_w	11.0-14.0	Clay	✓	✓	CT2X; Solinst levellogger	✓
	SMW_WTP_BH13_w	1.3-7.3	Clay	✓	✓	GALC telemetry	✓
Clyde Zone 3 (Clyde Dive)	GALC-MW16_s	5.0-11.0	-		✓	GALC telemetry	✓
	GALC-MW16_w	16.0-21.0	-	✓	✓	GALC telemetry	✓
	GALC-MW17	12.5-21.5	-		✓	GALC telemetry	✓
	GALC-MW18	2.5-5.5	Silty clay	✓	✓	GALC telemetry	✓
	SMW_ADD_BH02_w	24.0-30.0	Siltstone, Sandstone		✓	Troll 100 baro; Troll 400 level	✓
	SMW_BH057_s	1.5-5.3	Sand	✓	✓	Solinst levellogger	✓
	SMW_BH057_w	23.3-26.3	Siltstone, Sandstone	✓	✓	CT2X	✓

Monitoring zone	Groundwater monitoring bore ID*	Screen interval (mbTOC)	Target unit	Water quality	Manual water level	Level logger	Logger download
	SMW_ENV009_w	2.8-7.3	Clayey sand	✓	✓	Solinst levellogger	✓
	SMW_ENV010_w	3.2-6.6	Siltstone, sandstone		✓	-	-
Parramatta	GALC-MW26A	5.0-12.0	Silty clay with sand		✓	GALC telemetry	✓
	GALC-MW26	18.0-30.0	Sandstone		✓	GALC telemetry	✓
	GALC-MW31	18.5-30.5	Sandstone		✓	GALC telemetry	✓
	GALC-MW32	18.0-30.0	Sandstone		✓	GALC telemetry	✓
	GALC-MW33	18.5-30.5	Sandstone		✓	-	-
	PM_BH14	3.5-6.0	Clayey sand	✓	✓	LevelSCOUT2X	✓
	PM_BH15	7.0-10.0	Clay	✓	✓	-	-
	PM_BH21	4.0-7.0	Sandy clay		✓	-	-
	PM_BH57	-	-		✓	-	-
	SMW_BH002_w	29.4-32.4	Sandstone		✓	Solinst levellogger	✓
	SMW_BH004_s	6.50-11.50		✓	✓	Solinst levellogger	✓
	SMW_BH004_w	20.60-23.60			✓	CT2X; Solinst levellogger	✓
Westmead	GALC-MW38	22.83-34.83			✓	GALC telemetry	✓
	GALC-MW47	10.0-16.0			✓	GALC telemetry	✓
	GALC-MW54	1.0 - 4.0	Sandy Clay/Gravelly Clay	✓	✓	LevelSCOUT2X	✓
	SMW_BH008_w	14.0-17.0	Siltstone, sandstone		✓	Solinst levellogger	✓

Monitoring zone	Groundwater monitoring bore ID*	Screen interval (mbTOC)	Target unit	Water quality	Manual water level	Level logger	Logger download
	SMW_WTP_BH02_w	14.0-20.0	Siltstone, sandstone	✓	✓	Troll 400 level	✓
	SMW_WTP_BH03A_w	15.0-21.0	Siltstone, sandstone	✓	✓	Troll 400 level	✓
Sydney Olympic Park	SMW_WTP_BH22_w	19.2-25.1	Siltstone, sandstone		✓	Troll 100 level	✓
	SMW_WTP_BH23_w	24.0-30.0	Siltstone, sandstone		✓		

7.6

7.6 Groundwater Level and Drawdown Monitoring

Procedures for the collection of continuous and discrete groundwater monitoring data are provided, including all quality assurance / quality control requirements. Specifically, this methodology provides an approach for collection and assessment of the following environmental datasets:

- Groundwater level as mBTOC groundwater and mAHD (measurement and datalogger download)
- Groundwater salinity as electrical conductivity (measurement and datalogger download)
- Groundwater quality at key locations (field measurement and sample collection)

The groundwater sampling methodology has been developed for compliance with the following Australian and International Standards and Guidance:

- AS/NZS 5667.11:1998: Water Quality – Sampling Part 11: Guidance on Sampling of Groundwaters (Reconfirmed 2016).
- AS/NZS 5667.1:1998: Water Quality – Sampling Part 1: Guidance on the Design of Sampling Programs, Sampling Techniques and the Preservation and Handling of Samples (Reconfirmed 2016).
- Sundaram, B., Feitz, A., Caritat, P. de, Plazinska, A., Brodie, R., Coram, J. and Ransley, T., 2009. Groundwater Sampling and Analysis – A Field Guide. Geoscience Australia, Record 2009/27 95 pp.

The methodology also provides quality assurance / quality control procedures for collecting and managing environmental datasets. All monitoring and sampling will be documented and transferred to a central electronic database under the responsibility of the Construction Environment and Sustainability Lead (or delegate).

7.6.1 Monitoring Program

The standpipe piezometers that have been nominated as part of the project construction stage monitoring program have been specified in **Table 7**.

The monitoring methodology for nominated standpipe piezometers is discussed in the following sections, including methods to be adopted for data collection. Water levels from the network will be monitored quarterly.

The frequency of monitoring was initially specified as monthly. Quarterly monitoring has been undertaken as monthly monitoring is neither practical or necessary to meet the objectives of the monitoring program.

7.6.2 Monitoring Methodology

7.6.2.1 Standpipe Piezometers

Pressure transducers with digital dataloggers will be installed (or maintained from the baseline monitoring phase) in selected standpipe piezometers within and around the predicted radius of drawdown for the project to provide continuous data collection. The dataloggers will be programmed to record at hourly intervals.

Selected standpipe piezometers will include transducers with fitted with EC sensors to record groundwater salinity for monitoring of potential saline intrusion where potential risks exist.

All pressure transducers will be set at a depth lower than the predicted minimum water table elevation, accounting for natural variations and artificially induced drawdown. Any transducers with

EC sensors shall be set within the screened interval for accurate assessment of groundwater salinity.

Data loggers will be checked and maintained as necessary before being re-calibrated, decontaminated and then returned to the monitoring bore at a known depth below the top of casing.

The data loggers will be either telemetered or downloaded quarterly. The readings from dataloggers will be calibrated with manual depth to water measurements as part of the quarterly monitoring program.

The static groundwater level will be measured and recorded at each standpipe piezometer each month using an oil/water interface probe to verify the continuous data recorded by dataloggers and identify any non-aqueous phase liquid (NAPL) contamination. Recorded data will be compensated for barometric pressure and converted to a groundwater level measurement.

Measurements will be recorded in metres below top of casing (mbTOC) and converted to metres below ground level (mBGL) and metres Australian Height Datum (mAHD).

Groundwater monitoring will be overseen by personnel with appropriate qualifications and experience. Trained field personnel will complete monitoring rounds using appropriate personal protective equipment (PPE) and calibrated monitoring equipment.

All groundwater level data will be compared to local rainfall records to assess recharge response and identify any potential adverse effects from construction activities.

7.6.2.2 Vibrating Wire Piezometers

The current vibrating wire piezometer (VWP) monitoring network consists of telemetered monitoring bores operated by GLC (prefix GALC), with baseline VWPs being destroyed during the construction works. This monitoring network is equipped with telemetry systems, allowing for continuous monitoring of groundwater level.

VWPs are used to monitor porewater pressure. They can also be used to monitor water levels. The VW piezometer converts water pressure to a frequency signal via a diaphragm, a tensioned steel wire, and an electromagnetic coil.

The piezometer is designed so that a change in pressure on the diaphragm causes a change in tension of the wire. An electro-magnetic coil is used to excite the wire, which then vibrates at its natural frequency. The vibration of the wire in the proximity of the coil generates a frequency signal that is transmitted to the readout device.

The readout or data logger stores the reading in Hz. Modern data logger readouts may also automatically convert the reading in Hz to a pressure or level reading when a suitable pre-calibration is used. For non-vented piezometers, barometric pressure corrections are required because the space inside the piezometer is isolated and disconnected from the atmosphere. Vented piezometers are designed to eliminate barometric effects, and as such barometric pressure corrections are not required.

Further details on using piezometers to monitor water pressure (level) can be found in USBR 6515, along with available instruction manuals for specific VWP sensors.

VWPs will be set to record data at a maximum interval of once every six (6) hours. VWP monitoring data will be downloaded and reviewed on a quarterly basis to assess changes in groundwater levels during the construction stages of the project.

Results from repeat monitoring rounds will be collated into continuous data graphs to show any trends in groundwater levels over time and infer any trends that may be attributable to construction activities.

7.6.3 Data Analysis

All groundwater level data from standpipe piezometers and vibrating wire piezometers will be uploaded to a central database that will be continuously updated over the course of the baseline and construction stage monitoring program.

Groundwater level data will be converted into digital graphs for each standpipe piezometer and vibrating wire piezometer, which will include predicted maximum drawdown levels from groundwater modelling and NSW Aquifer Interference Policy (AIP) (DPI, 2012) minimal impact considerations as trigger values (performance criteria).

Manual dip measurements will be included for all continuous logging data in standpipe piezometers to ensure no drift or errors have occurred in digital records.

Barometric data loggers will be installed in select monitoring bores to allow for post-correction of water level data from continuous loggers to atmospheric fluctuations.

Atmospheric correction of water level data should be conducted as per the following example:

$$WL_{corr} = WL_{abs} - P_{atm}$$

Where:

WL_{corr} = corrected SWL

WL_{abs} = absolute water level as recorded by the data logger) barometric pressure plus water pressure)

P_{atm} = atmospheric pressure as recorded by the barometric logger

Note that due to the variable salinity (density) of groundwater measured across the Project, measured water level will require correction to account for this difference in fluid density as per the following:

$$hf \times \rho_f = hm \times \rho_m$$

Where:

hm = measured water column in bore

ρ_m = density of groundwater in bore based on measured TDS

hf = equivalent freshwater column in the bore

ρ_f is freshwater density

VWPs are equipped with data loggers, which are to be programmed to record pore pressures at six-hourly intervals. Data will be collected quarterly and converted to equivalent metres of head

7.6.4 Performance Criteria and Trigger Action Response Plan

Seasonal fluctuation considered within the EIS and supplementary reports will facilitate the assessment and comparison between groundwater level decrease and the predicted drawdown from the Project.

The groundwater level monitoring data will be compared to the drawdown levels identified by the Revised Groundwater Modelling Report(s) to determine whether the observed decrease is attributable to the Project and, if so, whether it aligns with approved predictions. The Revised Groundwater Modelling Report(s) will be provided to relevant stakeholder where there is potential for interaction with existing groundwater management / monitoring programs.

Management actions outlined in the GWMP will be initiated if drawdown is identified outside of model predictions through the data analysis process, or if there is evidence of an unacceptable impact to or potential for unacceptable impact to groundwater resource under the AIP.

Management actions may include further investigation including (but not limited to) a review of baseline groundwater levels in surrounding monitoring bores and comparison of results against model predictions, and assessment of potential impacts as a result of the observed drawdown.

If the observed groundwater levels indicate potential for unacceptable impacts to the environment, human health, or built infrastructure then appropriate management measures to remedy the effect will be implemented. Appropriate remedial actions may include measures such as additional grouting or alternative inflow management measures to limit inflows to excavations and reduce dewatering effects.

In accordance with the AIP minimal impact considerations, groundwater level and pore pressures will be assessed against the following criteria where appropriate:

- Less than or equal to 10 % cumulative variation in the water table, allowing for typical climatic ‘post-water sharing plan’ variations, 40 m from any:
 - high priority groundwater dependent ecosystem; or
 - high priority culturally significant site

listed in the schedule of the relevant water sharing plan.
- A cumulative maximum of 2 m decline in water level or pore pressure at any water supply bore (as per REMM SG02).

If more than 10 % cumulative variation in the water table, allowing for typical climatic ‘post-water sharing plan’ variations, 40 metres from any:

- high priority groundwater dependent ecosystem; or
 - high priority culturally significant site
- listed in the schedule of the relevant water sharing plan.

The nearest high priority GDEs (as per Jacobs (2020)) and water supply bores are presented in Table 8.

Table 8: Proximity to high priority GDEs and water supply bores

Site	High priority GDE	Nearest water supply bore
Westmead	Grey Box – Cumberland Plain Woodland 220 m E	GW108378 780 m NNW
Parramatta	Grey Box – Cumberland Plain Woodland 590 m WNW	GW108661 565 m NNW
Clyde Dive	Salt Marsh Estuaries of the Sydney Basin Bioregion 1.4 km SE	GW107659 1.9 km WNW
Rosehill	Salt Marsh Estuaries of the Sydney Basin Bioregion 800 m SE	GW107659 1.8 km NW
Sydney Olympic Park	Salt Marsh Estuaries of the Sydney Basin Bioregion 1.3 km NNE	GW305646 3.3 km WSW

If registered groundwater users are impacted by a material decline in groundwater supply levels (i.e., >2 m), quality or quantity, make good provisions will be provided to those groundwater users in accordance with the GWMP.

The predicted groundwater drawdowns are used for settlement analysis and predicted effects assessment. Where found to be governing, particularly near sensitive structures with thick alluvium, the groundwater monitoring plan will be updated and incorporated into the report in future revisions, as part of the adaptive management approach to monitoring.

7.7 Groundwater Quality Monitoring

7.7.1 Monitoring Program

Groundwater quality monitoring will be undertaken on a quarterly (3 month) basis thereafter at the monitoring bores (or suitable replacement) identified in **Table 7**.

The sampling programme will retain all parameters listed in **Table 9** as part of the ongoing construction groundwater quality monitoring strategy, to provide ongoing monitoring of groundwater conditions and assess any potential changes in groundwater quality which may have occurred as a result of the construction activities or other local events.

Polycyclic aromatic hydrocarbons (PAHs), pesticides/herbicides and volatile organic compounds / semi-volatile organic compounds (VOC/SVOCs) are to be monitored on a six-monthly basis at selected locations. This is due to results from previous monitoring round not identifying a significant risk from PAH/SVOC/VOC pesticides/herbicides in groundwater. Further, speciated arsenic is not included, due to calculated trigger values determining trigger values that account for this speciation (**Attachment 6**).

Water quality monitoring at the nominated groundwater bores is intended to identify where contaminants are potentially migrating to the station boxes as a result of drawdown and to inform whether contamination has occurred as a result of site activities or local events. Both factors will inform potential risks to compliance with construction water treatment plants and risks to sensitive environmental or human health receivers.

All samples will be submitted for testing at the appropriate limit of reporting (LoR) for comparison against the relevant NEPM / ANZG 2018 trigger criteria.

Table 9: Proposed quarterly groundwater sampling regime

Groundwater Sampling Suite	Rationale	Frequency
General water quality parameters: electrical conductivity, total dissolved solids, alkalinity, hardness.	Assessment of groundwater physico-chemical parameters will be conducted to assess impacts to the beneficial use of the aquifer. Selection of this analytical suite will improve on-going understanding of groundwater conditions and complement the other analytical suites selected.	Quarterly
Major ions: calcium, magnesium, potassium, bicarbonate, sodium, chloride, sulfate.	ASS have been identified in select sites within the Project area. On-going monitoring of this analytical suite will allow for assessment of groundwater quality with respect to the potential reactivation of ASS.	Quarterly

Groundwater Sampling Suite	Rationale	Frequency
Heavy metals: As, Cd, Cr (III+VI), Cu, Hg, Pb, Ni, Zn, Mn, Fe.	Concentrations of dissolved metals have been reported in groundwater in excess of the ANZG, 2018 (dissolved metals) guidelines for both fresh and marine water quality. On-going monitoring of these selected metals will be conducted to identify and assess vertical and/or horizontal migration as a result of dewatering and construction activities.	Quarterly
Nutrients: total nitrogen, total oxidized nitrogen, nitrate, nitrite, total ammonia, ammonium, total phosphorous, total reactive phosphorous, total Kjeldahl nitrogen.	Concentrations of nutrients have been reported in groundwater in excess of the ANZG, 2018. Ongoing monitoring of these COPC will be conducted to identify and assess vertical and/or horizontal migration as a result of dewatering activities.	Quarterly
Total petroleum hydrocarbons		Quarterly
Aromatic hydrocarbons: benzene, toluene, ethylbenzene, xylene, naphthalene		Quarterly
Per- and poly-fluoroalkyl substances (PFAS) (list of compounds per USEPA 527, ASTM X7968)		Quarterly
Polycyclic aromatic hydrocarbons (list of compounds per method USEPA 8270)		Six monthly (select locations)
Pesticides including organochlorine pesticides / organophosphorus pesticides (list of compounds per methods for OCP US EPA8081/8270 and OPP USEPA 8082/8270)	Ongoing monitoring of these COPC will be conducted to identify and assess vertical and/or horizontal migration as a result of dewatering activities.	Six monthly (select locations)
Herbicides (list of compounds for phenoxy acid herbicides per USEPA 8151A and triazine herbicides USEPA 8270)		Six monthly (select locations)
Volatile organic compounds / semi-volatile organic compounds (list of compounds for VOCs per method USEPA 8260B and SVOCs per USEPA 8270)		Six monthly (select locations)

Dedicated dataloggers with specifications allowing the measurement of pressure, temperature, and electrical conductivity (EC) have been installed in monitoring bores identified in **Table 7**. These monitoring bores have been selected due to their relative positioning between estuarine sections of local waterways and the radius of drawdown for excavations.

Further adjustments to salinity monitoring bores may be necessary as part of an adaptive management strategy for the project. Electrical conductivity (EC) results will be assessed to detect changes in water quality that may indicate the intrusion of saline water towards the station boxes and shafts.

It is noted that assessments undertaken by GLC as part of the Hydrogeological Interpretive Report have not identified any risk of saline intrusion as a result of the project activities.

7.7.2 Monitoring Methodology

Groundwater quality sampling will be carried out by suitably qualified personnel, in accordance with AS/NZS 5667.11:1998 (Water quality–Sampling), and will follow these general principles:

- Sampling equipment should not change the water quality in any way; particular effort should be made to avoid cross contamination between bores and sampling equipment
- Sufficient water should be removed to ensure the sample is newly derived from the aquifer itself rather than from water that is potentially stagnant in the bore
- Methods of collection, storage bottles and transportation to the laboratory should suit the type of analysis required

Groundwater sampling may produce a potentially large volume of purged water. This water will be captured in containers and treated in the construction water treatment plant or disposed of in accordance with the Waste Management Plan.

The groundwater monitoring program will adopt a low-flow sampling methodology for the collection of all groundwater samples at all sites identified in Section 7.5. The low-flow sampling methodology employs specifically designed sample pumps. ASTM D6771-21 provides the standard practice for low-flow purging and sampling used for groundwater monitoring.

A Standard Operating Procedure that is compliant with AS/NZS 5667.11:1998 shall be developed and adhered to for all low-flow sampling operations. The Standard Operating Procedure will include requirement for positioning the intake of the low-flow tubing at the depth of the aquifer that is contributing formation water to the standpipe piezometer.

Where low flow-sampling is unable to be undertaken (due to low recharge, low water column or excessive depth), sampling via hydrasleeve or disposable bailer may be adopted as a groundwater sample collection methodology.

7.7.2.1 Sample Collection

In general, groundwater sampling will align with the following procedure:

- All monitoring bores will be gauged to obtain SWL and total depth of each well (prior to purging) using a cleaned / decontaminated electric water level probe. This will provide information regarding purge volumes required for ensuring the collection of representative groundwater samples when using the low-flow method.
- A low-flow Standard operating procedure compliant with AS/NZ 5667.11.1998 will be developed for the project to ensure that samples are taken consistently in the same way and at the same depth.
- Field measurements for physical groundwater parameters will be taken using a calibrated water quality meter fitted with a multi-sensor probe to collect field quality parameters (pH, EC, dissolved oxygen (DO), temperature, and redox potential (Eh)) during purging.
- Groundwater samples will be collected after confirmation of aquifer parameter stabilisation (**Table 10**).
- A physical description of the sample, including colour, turbidity (visual), odour, and presence of film, sheen or foam will be recorded on standardised field sheets.
- Groundwater samples will be stored in clean laboratory prepared bottles containing the appropriate preservatives.
- Samples for dissolved metal analysis will be filtered through a 0.45 µm in-line filter and stored in laboratory prepared bottles containing nitric acid preservative.
- All groundwater samples will be labelled accordingly and placed immediately into an esky containing ice.

- Chain of custody (CoC) documentation will be completed at the time of sampling and will accompany the samples to the laboratory.
- One rinsate blank will be collected from the water level probe and the pump (or other sampling equipment) during each day of sampling. Rinsate samples will be analysed for CoPC to ensure cross-contamination has not occurred.
- Samples will be submitted to a National Association of Testing Authorities (NATA)- accredited laboratory for analysis.

Some physicochemical parameters cannot be reliably measured in the laboratory as their characteristics change over a very short time scale. Parameters that should thus be measured in the field include pH, electrical conductivity (EC), temperature, dissolved oxygen (DO), redox potential (Eh) and alkalinity.

Other observations including odour, colour and indications of gross contamination will also be recorded on field logging sheets.

Field parameters should be measured in a flow cell using a multiparameter probe (water quality metre) to avoid contact between the groundwater and the atmosphere. Readings of field parameters should be recorded at a minimum of every three (3) minutes (where sampling rate is 100 ml/minute or more) or five minutes (if flow rate is less than 100 ml/minute) until parameters have stabilised.

Once the SWL stabilises wait for three successive stable parameter readings (at 3-to-5-minute interval between each successive reading) before sampling. Criteria for the acceptance of stable water quality parameters are summarised in Table 10.

Table 10: Example Criteria Defining Stabilisation of Water Quality Parameters

Field Parameter	Control limit
Dissolved Oxygen	±10% of reading or ±0.2mg/L
Temperature	±0.2°C
pH	±0.2 pH units
Electrical Conductivity	±3% of reading
Redox Potential	±20 mV

The pump tubing should be disconnected from the flow-through-cell, following stabilisation and prior to sample collection, so that the samples are collected from the pump's discharge tubing without contact with the flow-through-cell. Air pressure on the gas cylinder can be turned down so samples can be filled with minimal turbulence (if applicable).

A Standard Operating Procedure that is compliant with AS/NZS 5667.11:1998 shall be developed and adhered to for all low flow sampling operations, including the collection of field parameters.

7.7.2.2 Sample Filtration and Preservation

Sample Filtration and Preservative Requirements

The proposed sample filtration and preservative requirements for the laboratory testing parameters are presented in **Table 11**. Filtration should be carried out in the field for all samples unless otherwise specified so that results are representative of dissolved concentrations. All samples should be maintained at approximately 4 degrees Celsius as part of the preservation protocols before being transferred to the laboratory.

Table 11: Sample Filtration and Preservative Requirements

Analyte Suite	Field Filtration	Chemical Preservative
General Water Quality	Not Required	Not required
Nutrients	0.45µm	Sulfuric acid (H ₂ SO ₄)
Dissolved Metals	0.45µm	Not required
Dissolved Iron Species	0.45µm	Hydrochloric acid (HCl)
Dissolved Hexavalent Chromium (where applicable)	0.45µm	Sodium hydroxide
Petroleum Hydrocarbons	Not Required	Not required
Aromatic hydrocarbons (BTEXN)	Not Required	Not required
Polycyclic aromatic hydrocarbons	Not Required	Not required
Volatile organic compounds	Not Required	Sulfuric acid
Semi-volatile organic compounds	Not Required	Not required
Organochlorine pesticides	Not Required	Not required
Organophosphorus pesticides	Not Required	Not required
PFAS	Not Required	Not required

7.7.2.3 Salinity Measurement

As described in **Section 7.6** dedicated water level data loggers, which can measure both depth-to-water and EC, will be installed in select standpipe piezometers between the project and the closest saline water bodies. Salinity results will also be determined from field total dissolved solids measurements from sampled groundwater monitoring bores.

EC results will be assessed to detect changes in water quality that may indicate the intrusion of saline water towards the project. Where groundwater quality monitoring is also proposed, the field EC data will be assessed in conjunction with the laboratory data. Performance criteria for assessment of saline intrusion is included in **Section 7.7.4**.

7.7.2.4 Quality Assurance and Control Samples

The following quality assurance and control samples are proposed for the monitoring program. It is noted that per the PFAS NEMP (HEPA, 2020), where PFAS samples are collected, the frequency of analysis for QA/QC samples should be increased from what is defined in ASC NEPM (NEPC, 2013). This has been considered below.

7.7.2.4.1 Rinsate Blanks

Rinsate blanks are used to estimate the amount of contamination introduced during the re-use of sampling equipment. Rinsate blank samples are obtained by pouring laboratory supplied deionised water over decontaminated sampling equipment (e.g., groundwater interface probe) and collecting the water in laboratory supplied bottles. Rinsate blank sample should be included at a rate of one per day of sampling or wherever uncertainty may arise regarding the potential for contamination. Where PFAS is proposed for analysis, rinsate blanks should be collected at a rate of at least for every ten primary samples (10%).

7.7.2.4.2 Intra-Laboratory Duplicates

Intra-laboratory (blind) duplicate samples used to identify variation in the analyte concentration between samples from the same sampling point. Intra-laboratory duplicates should be analysed at a rate of one per ten primary samples (10%).

7.7.2.4.3 Inter-Laboratory Duplicates (Triplicates)

Inter-laboratory (split) duplicate samples provide an indication of the repeatability of the results between laboratories. Inter-laboratory duplicates should be analysed at a rate of one per ten primary samples (10%).

7.7.2.4.4 Trip Blanks / Trip Spikes

A sample of laboratory supplied deionised water should accompany the primary samples over the course of the fieldworks and should be submitted to the laboratory for analysis. Trip blanks provide an indication of contamination introduced during sample transport and handling, and also ensure that the testing laboratory is not reporting “false positives”. Trip blanks should not indicate concentrations of the contaminants of potential concern (CoPC) above the laboratory detection limits. A trip blank sample should be included at a rate of one per batch.

Similarly, a laboratory provided trip spike should be submitted at a rate of one per batch. The trip spike will provide an indication of whether contaminant loss was possible during sample transport and handling. The results be used to identify the potential for false negatives.

7.7.2.5 Sampling Records

Results for each quality sample will be recorded on appropriate field sheets (hard copy or digital) using unique sampling identification nomenclature consisting of the sample identification, parent sample identification, sample date, location, and sampler details.

Details of all quality samples will be recorded on an internal database.

7.7.2.6 Decontamination

Equipment will need to be cleaned periodically and between sampling locations to prevent a build-up of dirt and cross-contamination.

The following methodology will be followed:

- Rinse the equipment in tap water
- Clean with Decon 90 (a phosphate free detergent), or Liquinox (or similar) where PFAS is analysed for
- Rinse with tap water
- Thorough rinse with laboratory supplied de-ionised water
- Allow to dry away from dust and direct sunlight

De-ionised and tap water will be available for washing equipment in the field, if required.

7.7.2.7 Laboratory Analysis

Laboratory analysis procedures for groundwater samples are discussed in Section 10.

7.7.3 Data Analysis

Data analysis procedures for groundwater quality will involve collating and assessing results from the following sources:

- Stabilised readings from field parameter measurements
- Laboratory analytical results

- Transducers fitted with salinity sensors

Field and laboratory data will be collated into a master database that will be updated with new information on completion of each monitoring event to include raw data and statistical summaries. Raw data results and statistical summary data collated in spreadsheets will be compared against the performance criteria for groundwater quality and salinity to assess whether further investigations or management responses are required.

7.7.4 Performance Criteria and Trigger Action Response Plan

The key performance criteria (trigger values) for groundwater quality are discussed in the following section.

Trigger values comprising NEPM GILs and ANZECC (2000) / ANZG (2018) 95-99% species protection criteria and calculated baseline trigger values (**Attachment 6**) have been adopted as the indicator values of the performance criteria for groundwater quality. Any changes in groundwater quality will be measured relative to these trigger values.

For measuring performance criteria for potential saline intrusion, these will be assessed from continuous loggers fitted with salinity sensors, and TDS concentrations from sampled groundwater monitoring bores.

A reportable change in groundwater quality will be defined as:

- A parameter exceeding either the NEPM GIL, ANZECC (2000) or ANZG (2018) value over a sustained period (i.e., for at least 3 consecutive monitoring rounds), which has been recorded during baseline monitoring as non-detect or below the NEPM GIL, ANZECC (2000) or ANZG (2018) value, or
- A parameter increasing in concentration over a sustained period (i.e., for at least 3 consecutive monitoring rounds) to more than 2x the baseline trigger value, where the baseline trigger value exceeds the NEPM GIL value, or
- A parameter increasing in concentration over a sustained period (i.e., for at least 3 monitoring rounds) to more than 2x the baseline trigger value, where the baseline trigger value exceeds the ANZECC (2000) or ANZG (2018) value, or
- An increase of salinity (measured as total dissolved solids, TDS, and through continuous salinity transducers) over a sustained period (i.e., for at least 3, consecutive monitoring rounds) to more than 2x the recorded 95th percentile value prior to construction

Once a reportable change for groundwater quality and salinity has been identified, statistical analysis (via Mann Kendall trend analysis or other means) will determine whether it is a significant change in groundwater quality.

7.7.4.1 Groundwater Quality

Where a significant trend in groundwater quality is identified (defined in **Section 7.7.4**), this will trigger further desktop investigation. The objectives of the desktop investigation are to determine if:

- The contaminant concentrations are likely to present a potential immediate risk to human health or the environment which have previously not been identified (e.g. concentration significantly exceeds site concentration maximums), or
- The contaminants have potentially been introduced to groundwater directly as a result of construction activities (e.g. TRH introduced from site leaks and spills), or
- Contaminant migration is potentially occurring resulting in degradation of groundwater quality within and around sensitive receptors (including GDEs and groundwater supply bores)

Additional monitoring and management responses are to be undertaken in circumstances where the desktop review demonstrates that any of the above mentioned scenarios are likely. Monitoring frequency is to increase to monthly to further assess the potential requirements for management responses.

Desktop investigation may include but not be limited to:

- Assessment of potential sources of contamination
- Comparison to existing site data
- Investigation of recent site activities (eg. unexpected finds, incidents)
- Assessment of contaminant migration pathways

This process is shown schematically in **Figure 2**.

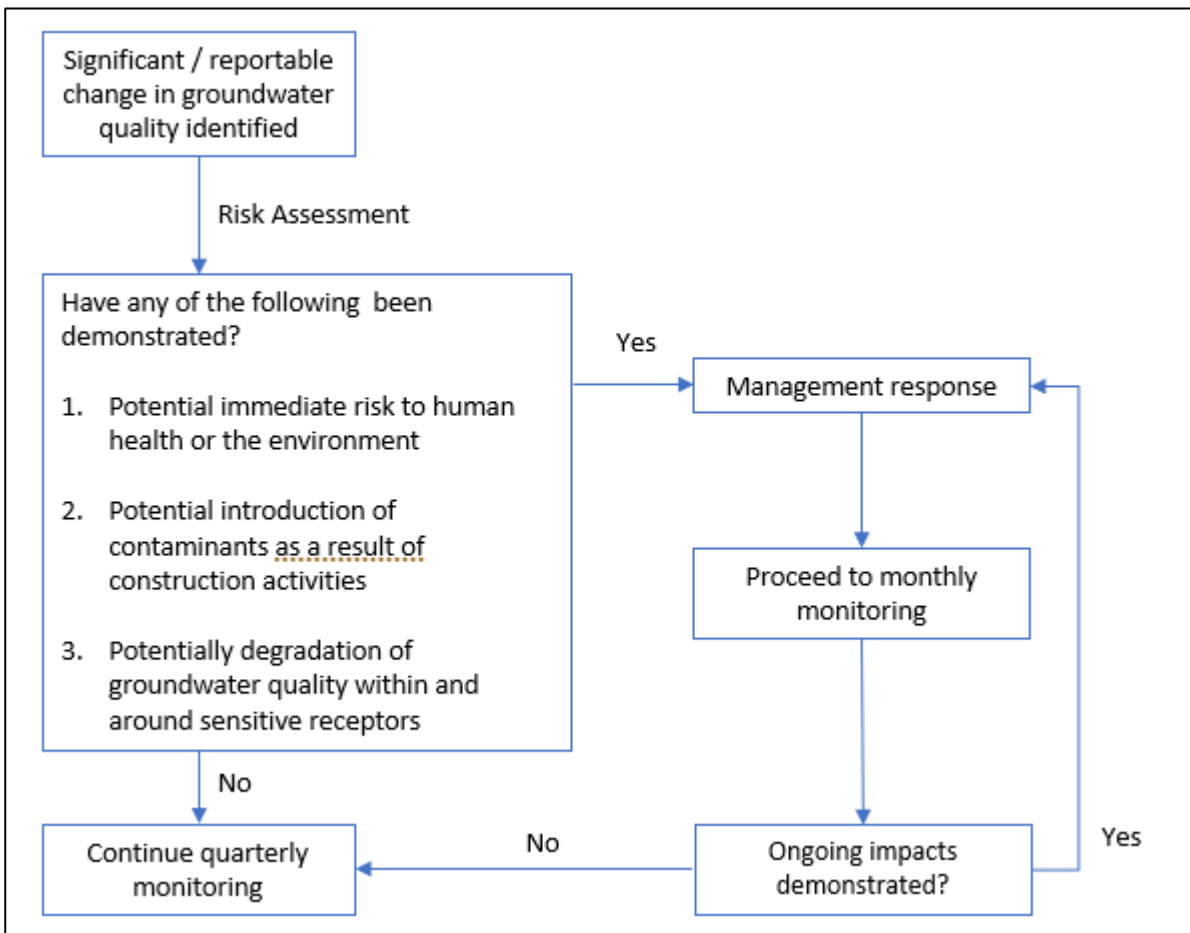


Figure 2: Trigger value exceedance flowchart.

7.7.4.2 Groundwater Salinity

Where a significant trend in groundwater salinity is identified (defined in **Section 7.7.4**), this will trigger further desktop investigation. The objective of the desktop investigation will be to determine if increases in salinity have the potential to impact groundwater extractive users and aquifer beneficial uses. The review will assess the historical and surrounding monitoring bore data, and modelling predictions.

Additional monitoring and management responses are to be undertaken in circumstances where the desktop review demonstrates that the above mentioned scenario is likely. Monitoring frequency is to increase to monthly to further assess the potential requirements for management responses.

This process is shown schematically in **Figure 2**.

It should be noted that saline intrusion has not been identified as a significant risk factor for groundwater quality in the context of the project activities. Despite this performance criteria to assess potential for saline intrusion have been adopted as part of a best management practice approach.

7.7.4.3 Acid Sulfate Soils/Groundwater Aggressivity

Assessment of the activation of Acid Sulfate Soils (ASS) will involve plotting major anion and cation compositions and pH on a Schoeller diagram to identify deviations in the concentration of base cations before (i.e., baseline conditions) and during dewatering. Total alkalinity decreasing below 30 mg/l as CaCO₃ is considered to represent a reduction in the acid buffering capacity of the soil. If pH reduces by a unit as compared to the baseline pH range prior to excavation, this indicates that ASS have been activated.

The estimated groundwater aggressivity (tendency for corrosion) pre- and during construction will be assessed following the Langlier Saturation Index (LSI). The following definitions for interpretation of LSI will be used to determine groundwater aggressivity and implementation of mitigation measures:

- LSI <0.5 (potential for scaling)
- Log Cl/CO₃ >2 (potentially corrosive)
- pH (for bedrock) = 4.5 – 5.5 (moderately aggressive)
- pH (for bedrock) = 5.5 – 6.0 (mildly aggressive)
- SO₄ (for bedrock) = 0 – 1,000 mg/l (mildly aggressive)
- SO₄ (for bedrock) = 1,000 – 3,000 mg/l (moderately aggressive)
- Cl (for bedrock) = 0 – 3,000 mg/l (non-aggressive)
- Cl (for bedrock) = 3,000 – 6,000 mg/l (mildly aggressive)

In addition to ecosystems risk due to discharge of groundwater, volatile organic compounds (VOCs) in groundwater can also present a potential vapour intrusion risk in an urban environment. Baseline groundwater monitoring completed has not identified significant VOCs..

If VOCs are detected and assessed as a potential risk, a risk monitoring framework for vapour intrusion will be adopted and SSTVs developed to identify where existing conditions have been changed by project activities, and an adverse change in risk may have occurred.

No existing potential vapour intrusion risks have been identified based on baseline data previously collected, and therefore no SSTVs for VOCs have been developed.

Any SSTVs developed will include three response levels:

- Alert – increase in monitoring frequency
- Action – adverse trend due to construction activity, with action and/or additional assessment of risk required
- Not to exceed level

Should unexpected groundwater conditions be encountered, or groundwater monitoring indicate groundwater quality alteration due to contaminant migration then the following corrective actions / measures could be evaluated and implemented as appropriate:

- Reduction in the open area being dewatered, to reduce the rate of groundwater ingress, groundwater gradients (towards the tunnel(s)) and contaminant migration potential
- Pump and treat from the vertical groundwater bores, to allow for the capture of possible contaminants migrating in groundwater prior to entering Project work areas.
- Groundwater will then be treated, to meet discharge criteria, before disposal
- Assessment and revision of project environmental management procedures
- Preparation of a Remedial Management Plan
- If activation of ASS occurs the immediate response should be to investigate further to confirm change in conditions and assess the need to dose with lime or to determine if action needs to be taken (e.g., commence groundwater recharge, alter dewatering practice etc / continue monitoring)
- Make good provisions for groundwater users will be provided in the event of a material decline in water supply levels, quality or quantity from registered existing bores associated with groundwater changes from either construction and/or ongoing operational dewatering caused by the Project.

8 EXCAVATIONS / TUNNEL INFLOWS

8.1 Excavations

Station boxes are expected to be open for extended periods of time with variable inflow rates dependent on hydrogeological conditions and inflow control measures.

During construction groundwater inflows to excavations will be collected in sumps / collection points and transferred via pumping to the construction water treatment plants (CWTPs) located at:

- Rosehill
- Parramatta
- Westmead

Volume 4B (Particular Specification) Sydney Metro West Western Tunnelling Package Schedule C1 (Version 6 Sydney Metro, 2022b) provides the design criteria for the assessment on inflow and drawdown. The inflow criteria are discussed further in Section 8.2.4.

The specification (Sydney Metro 2022a) Section 4.2.2 (n) requires the provision of two sumps for groundwater and stormwater collection at the base of each station excavation. One sump is expected to be required at each end of the station and each of the sumps will collect both groundwater and surface water.

At Clyde MSF groundwater is expected to be intersected by the retention basin. While inflows are expected to be low due to the presence of predominantly low permeability clays they will need to be managed accordingly. Given the location of the retention basin in an industrial area there is likely to be groundwater contamination management issues associated with the groundwater seepage. Estimation of inflows will support the design and construction planning and will be completed for following stages of works.

Groundwater will also be intersected during the construction of the water conveyance structures on A'Becketts Creek and Duck Creek.

8.1.1 Monitoring Program

Groundwater inflow monitoring will be undertaken at all excavations for station boxes. Given station box excavation at SOP is completed by AF JV, monitoring of groundwater wells in the vicinity of this site will be managed by AF JV and not GLC.

Observations of inflows during construction will be undertaken to characterise contributions from surface water and groundwater into the excavations and to meet CoA C17 (e) and (j). Assessment of relative inputs from rainfall/ runoff and groundwater would be supported by the installation of a site-specific rain gauge.

8.1.2 Monitoring Methodology

The inflow volume will be determined through the use of flow meters on the intake into each of the construction water treatment plants when they are established. Flow meters can also be installed on individual pumps within excavations where more focused inflow data is required.

Assessment of relative inputs from surface water and groundwater would be supported by the installation of a site-specific rain gauge.

8.1.3 Data Analysis

The groundwater inflow monitoring register will be compiled quarterly to account for groundwater take from the Sydney Basin Central Groundwater Source in accordance with MCoA C17(j). Results of this accounting will be included in the six-monthly monitoring reports.

8.1.4 Performance Criteria

The tunnelling contractor must comply with the following for the drainage of stations, junctions, shafts, and non-tunnel structures / assets:

- Station caverns– undrained
- Station excavations – drained
- Shaft excavations – drained
- Clyde Junction – undrained
- Portal structure – drained
- Clyde Dive Structure – drained
- Parramatta Station Excavation above the soil retention system toe level – undrained
- Parramatta Station Excavation below the soil retention system toe level – drained
- Rosehill Excavation – drained
- Rosehill Structure – undrained structure with drained base

The groundwater seepage within each station excavation must not exceed:

- 15,000 Litres in any 24-hour period, measured over any square with an area of 10 m², at any and all locations within the sides and bases of the excavations; and
- The volumes identified below in any 24-hour period:
 - Westmead Station Excavation – 100,000 litres
 - Parramatta Station Excavation – 134,000 litres
 - Further, the groundwater seepage through the drained base slab of the Rosehill Structure must not exceed 45,000 litres in any 24-hour period.

There is also a requirement to ensure groundwater seepage through the Clyde Dive structure does not exceed 5.0 ml per hour per m² of wall and base surfaces. As the Clyde Dive will be permanently drained and the permanent structure will be handed over to Sydney Metro by GLC, this criterion relates to the design of the permanent structure which is outside the scope of this investigation. The predicted total inflows for this assessment informs the design of the permanent infrastructure for this specification.

The above drainage criteria relate to the condition of the infrastructure at 'handover' to Sydney Metro for subsequent construction on internal station features. Handover is expected to approximate a period of two years (at Westmead and Parramatta) after commencement of the construction works as indicated in the final tender program (dated 16 Feb 2022).

Where inflows are found to exceed the above inflow criteria, targeted grouting and/or alternative management measures may be undertaken to reduce inflow rates to excavations and achieve the required inflow criteria. A reduction in inflow rates over time is expected due to the gradual loss of storage in connected surface aquifers over the course of the construction period.

In the event of adverse inflows being encountered, management measures may be required to minimise long term groundwater inflows. The Rosehill Services Facility shaft structure is to be constructed with its perimeter walls socketed into the sandstone. As such there will be limited groundwater ingress through the embedded walls below the D-Wall and through the drained base of the excavation. One sump is provided for this excavation, with long term discharge flows expected to be monitored with flow meters.

The specification (Sydney Metro 2022a) Section 4.2.2 (n) requires the provision of two sumps for groundwater and stormwater collection at the base of each Station excavation, in contrast to other ancillary structures. One sump is expected to be required at each end of the station and each of the sumps will collect both groundwater and surface water. Where suitable pumps will be fitted with flowmeters to record the flow rates from station excavations to construction water treatment plants to ensure design criteria on inflows are achieved.

The construction process adopted at Clyde MSF for water conveyance structures will provide the primary means of reducing inflows. After diversion of surface water flows from the excavation, options that could be considered to manage groundwater seepage include:

- Wet construction techniques.
- Methods that reduce inflows such as impermeable/low permeability walls (such as piles) or the use of small excavation areas.
- Dewatering systems such as effective sump/well abstractions systems within the excavation or spear dewatering systems outside the perimeter of the excavation.

Given the location of the retention basin in an industrial area there is likely to be groundwater contamination management issues associated with the groundwater seepage.

8.2 Tunnels

TBM tunnelling is proposed from Rosehill to the Sydney Olympic Park Station initially. The TBMs will then be relocated to Rosehill and tunnelling to proceed westwards to Westmead.

As a result of the tunnelling methodology (double shield TBM), the internal tunnel wall will only be exposed for a very short time period (i.e., less than one hour) before being enclosed (i.e., sealed to groundwater inflow) behind pre-cast concrete units. Due to this, the groundwater level drawdown associated with Tunnelling is therefore believed to be insignificant in comparison to other activities such as station box excavation.

During tunnel construction groundwater inflows will be collected in sumps / collection points at regular intervals within the tunnel. Collected water will be transferred via pumping or gravity drains to the construction water treatment plant located at Rosehill.

The estimated inflows at the tunnel boring machine face are presented on the hydrogeological long section in Attachment 1 of the revised Hydrogeological Interpretive Report. The inflows rely on bulk formation hydraulic conductivities. Localised high hydraulic conductivity rock features may be encountered that result in higher incidental inflow.

Tunnelling towards Parramatta is more likely to experience conditions of delamination, opening of fractures and therefore a greater potential for higher initial inflows.

Mean inflow rates approximate 9 m³/day for open (unlined) 17 m assumed section of tunnel prior to placement of the permanent lining, as the TBM progresses. The highest and lowest rates estimated are 50 m³/day and 2 m³/day respectively.

8.2.1 Monitoring Program

Groundwater inflow monitoring is required in tunnels during progression of the tunnelling sections. The inflow monitoring program will continue throughout the construction period with cumulative flow records from the main tunnel sump being used to provide information on groundwater inflow conditions for overall tunnel progression.

8.2.2 Monitoring Methodology

The inflow volume will be determined through the use of flow meters on the intake into each of the construction water treatment plants when they are established. Flow meters can also be installed on individual pumps throughout the tunnel where more focused inflow data is required.

8.2.3 Data Analysis

The groundwater inflow monitoring register will be compiled quarterly to account for groundwater take from the Sydney Basin Central Groundwater Source in accordance with MCoA C17(j). Results of this accounting will be included in the six-monthly monitoring reports.

8.2.4 Performance Criteria

Volume 4B (Particular Specification) Sydney Metro West Western Tunnelling Package Schedule C1 (Version 6 Sydney Metro, 2022b) provides the design criteria for the assessment on inflow and drawdown.

The potential for groundwater drawdown impacts is relatively low compared to other tunnelling methodologies (i.e., primary use of roadheaders), noting that roadheaders are being used for caverns, spur tunnels and stub tunnels. Due to the short timeframe between the tunnel excavation and sealing, the inflow rates and resulting drawdown is not anticipated to be a significant issue for the WTP.

There are criteria specified for watertightness, which relate to the seepage of groundwater through finished internal walls of infrastructure that is undrained at handover. The tunnelling contractor must comply with the following for the drainage of tunnel assets:

- Running tunnels – undrained
- Cross-passages – undrained
- Cross-passages with sump – undrained
- Nozzle enlargements – undrained
- Cross-over caverns – undrained

As the spur tunnel access shaft was not detailed in the particular specification, it has been assumed to be drained up until lining of the spur tunnel at which time it will be backfilled such that it will be undrained.

The above drainage criteria relates to the condition of the infrastructure at 'handover' to Sydney Metro for subsequent construction on internal station features. Handover is expected to approximate a period of two years (at Westmead and Parramatta) after commencement of the construction works as indicated in the final tender program (dated 16 Feb 2022). The handover timeframes differ slightly for Clyde (2.6 years) and are detailed in Section 7.4.4 of the technical memorandum (SMWSTWTP-GLO-TJ550-GE-MEM-001101 Rev A.1).

9 WATER TREATMENT PLANTS

9.1 Water Treatment Plant Monitoring

9.1.1 Monitoring Methodology

9.1.1.1 In-Line Monitoring

The construction water treatment plant will be designed to include in-line monitoring sensors to monitor pH and turbidity prior to every discharge. The in-line sensors will be set-up to stop discharge if either parameter is out of range, and an alert will be sent to the water treatment plant operator. Where either parameter is out of range, water will be re-treated, and discharge won't recommence until the water is within range for these parameters.

9.1.1.2 Sample Collection

Grab samples will be collected manually from the water treatment plant locations once a month to verify that water from the treatment plants remain below the trigger values for parameters. The volume of sample to be collected will need to be sufficient for the required physio-chemical (field) parameter analysis set by the EPL using a multi-probe water quality meter(s).

9.1.1.3 Field Measurements

Field physico-chemical parameters including temperature, EC, pH, DO, and turbidity will be measured at each sampling location using a fully calibrated multi-probe hand-held water quality meter at the same time that lab samples are taken. Other observations including odour and colour will also be recorded.

The multi-probe field water quality meter(s) will be calibrated against known standards (that are within the use-by date), as supplied by the manufacturer, at the start of each sampling round of water quality sampling. Calibration records will be maintained in accordance with the appropriate standard.

9.1.1.4 Recording of Field Results

Results for each monitoring location will be recorded on appropriate field sheets (hard copy or digital) using unique sampling identification nomenclature consisting of the sample identification, sample date, location, and sampler details.

9.1.2 Data Analysis

Monthly water quality samples from the water treatment plants will be analysed, along with an overview of corrective actions. Analytes to be monitored will be determined through the Discharge Impact Assessment (water pollution impact assessment) process for the EPL with reference to identified CoPC (and as a minimum as per those listed in Table 3) and associated ANZECC/ARMCANZ (2000), ANZG (2018) and draft ANZG (2020) default guidelines for 95% species protection and 99% species protection (refer Attachment 5). If water quality monitoring from water treatment plants identifies a potential compliance issue with the relevant performance criteria, the following actions will be taken:

- Higher frequency monitoring will be undertaken to verify the compliance issue is persistent and not a result of a transient event or reporting error
- If compliance issues persist, then
 - A pollution incident will be reported to NSW EPA
 - Appropriate management actions will be taken, including but not limited to discharge to sewer under a trade waste agreement, and/or transport of effluent by tanker to an offsite licenced liquid waste disposal facility.

Field and laboratory data will be collated into a master database that will be updated with new information on completion of each monitoring event to include raw data and statistical summaries. Raw data results and statistical summary data collated in spreadsheets will be compared against the performance criteria for water treatment plants (EPL and ANZG / ANZECC criteria) to assess whether further investigations or management responses are required.

All data from construction water treatment plants will be reported in the six-monthly water monitoring report.

9.1.3 Performance Criteria

Water quality parameters identified in the Water Quality Objectives would be adopted for groundwater as it is proposed that intercepted groundwater will be discharged into local waterways after treatment. Details around the surface water quality monitoring are included in the SWQMP.

Water treatment plants will be sized to meet predicted inflows to ensure groundwater is not required to be stored in excavations or the tunnels, which would otherwise affect the progress of the excavation. Contingency within the water treatment plants will be built in, where practical and feasible, otherwise additional measures such as water tanks may be used to store water where additional contingency is required.

In line with CoA D117, D118 and REMM SSWQ5, Groundwater discharges must be compliant with the discharge criteria prescribed in the Project EPL (21676) and presented below in Table 12. The Project EPL also identifies a number of registered discharge locations, denoted as ‘Points’ into which treated water can be discharged. These points are as follows:

- Point 1: Eastern Creek Pre-Cast Yard stormwater discharge point.
- Point 3: Discharge from the Westmead permanent Water Treatment Plant to Domain Creek
- Point 4: Discharge from the Rosehill permanent Water Treatment Plant to Duck River
- Point 5: Discharge from the Parramatta construction Water Treatment Plant to Parramatta River

Table 12 - Water Treatment Plant - discharge to stormwater parameters.

Parameter	Unit	Point 1	Point 3	Point 4	Point 5
Oil and grease	Visible?	No	No	No	No
pH	pH	6.5 – 8.5	6.5 – 8.5	6.5 – 8.5	6.5 – 8.5
Total suspended solids	mg/L	<50 mg/L			
Turbidity	NTU		20		10
Ammonia	µg/L		200	910	15
Arsenic	µg/L		13		13
Cadmium	µg/L		0.2		0.7

Parameter	Unit	Point 1	Point 3	Point 4	Point 5
Chromium (hexavalent)	µg/L		1.0	15	4.4
Chromium (trivalent)	µg/L		27		4.4
Cobalt	µg/L		1.4	5	1
Copper	µg/L		1.4	1.3	1.3
Electrical Conductivity	µS/cm		2200		
Iron	µg/L		300		300
Lead	µg/L		3.4		1
Manganese	µg/L		1900		1900
Mercury	µg/L		0.06		0.4
Nickel	µg/L		11		35
Nitrate + nitrite (oxidised nitrogen)	µg/L		200	1200	300
Nitrogen (total)	µg/L		350	1200	1200
Perfluoro octane sulphonate (PFOS)	µg/L		0.13	0.13	0.0001
Phosphorus (total)	µg/L		25	90	30
TPH C10-C36 Fraction	µg/L		100		100
TPH C6-C9 Fraction	µg/L		100		100
Zinc	µg/L		8	12	8

9.1.4 Water Treatment Plant Commissioning

During commissioning of each of the water treatment plants, a minimum of two rounds of commissioning sampling will be undertaken to confirm their efficacy at removing contaminants. All of the parameters listed in Table 8 will be tested during this commissioning phase. The main objectives of the commissioning testing will be to determine:

- If the water treatment plants perform to meet the proposed discharge criteria of 95% species protection for toxicants and 99% species protection for bioaccumulating toxicants and what (if any) design or operational modifications may be required in order for each treatment plant to meet the required specifications
- Whether an environmental protection licence with alternative pollutant concentration limits is required in accordance with practical limitations of the construction water treatment plant and Section 45 of the POEO Act.
- The relationship between TSS and turbidity to allow turbidity to be measured as a proxy for TSS — this will require more samples than for the other parameters and may continue into the post-commissioning phase

The water treatment plant will not be deemed “commissioned” until two subsequent rounds of testing confirm compliance with the criteria and the water treatment plant is operating at the correct performance level.

9.1.5 Water Treatment Plant Post Commissioning

In addition to the commissioning sampling, the water treatment plant discharge will be sampled for the parameters listed in Table 8. Sampling will be undertaken in accordance with the EPL requirements. The results will be reviewed by trained personnel to ensure that the discharged water meets discharge criteria.

Monthly sampling of the design performance criteria will be undertaken to ensure that each of the water treatment plants continue to meet design specifications.

Where in-line sensors or monitoring identify treatment plant performance drift outside of the required criteria, the treatment plant may be shut down (if necessary) and/or measures will be implemented to return the plant performance back into the required range. In these instances, water will be discharged to trade waste (where permitted), recycled or disposed offsite at an appropriate licenced liquid waste facility. Once measures are implemented to return the treatment plant performance back to the required range, the treatment plant will be re-commissioned as per the steps outlined in Section 9.1.5 before the water treatment plant is considered to be operational again.

Water quality results and an overview of corrective actions will be reported in the six-monthly monitoring report.

9.1.6 Water Treatment Plant Discharge Volumes

The volume of water discharged from the construction water treatment plants will be recorded using flow metres at the discharge point.

The volume of water discharged will be recorded daily and included in the water discharge records. The volume of water discharged will also be compared to the Water Reuse Strategy (Finalised in December 2022) developed in accordance with CoA D79 . The Water Balance Study will be updated throughout construction as needed.

10 LABORATORY TESTING – WATER QUALITY

10.1 Quality Assurance / Quality Control

The ASC NEPM (NEPC 2013) and PFAS NEMP (HEPA, 2020) outline the approaches to be adopted for QC verification of field procedures.

Field results will be checked for accuracy before leaving the site and errors or discrepancies will be cross-checked and further investigation initiated if required.

10.2 Laboratory Selection and Water Quality Testing Parameters

10.2.1 Laboratory Selection

The primary and secondary laboratories used for this project will be NATA-accredited for the analyses being undertaken.

Laboratory Testing Parameters

All water quality samples will be scheduled for analysis of the parameters at the nominated NATA accredited testing laboratory, at the specified testing frequency. Sampling frequencies for quarterly parameters will be increased to monthly sampling in the event that laboratory testing results identify any exceedances of the adopted trigger values. Increased sampling frequencies will only apply to boreholes where the criteria exceedances are recorded.

Quality assurance / quality control samples will be scheduled for testing of all parameters except for the general water quality suite and major ions.

10.2.2 Laboratory Quality Assurance / Quality Control

Laboratory methods to be used by the primary and secondary laboratories are to be suitable for environmental contaminant analysis and are based on established internationally recognised procedures. The laboratories will be NATA accredited for the proposed analyses.

Laboratory Data Quality Indicators

Laboratory duplicate samples

Laboratory duplicate sample analysis is the analysis of a laboratory derived duplicate sample from the process batch, at a rate equivalent to one in 10 samples per analytical batch, or one sample per batch if less than 10 samples are analysed in a batch. A laboratory duplicate provides data on the analytical precision and reproducibility of the analytical results.

The permitted ranges for the RPD of laboratory duplicates are dependent on the magnitude of the results in comparison to the level of reporting as summarised below:

- Result is < 10 x limit of reporting (LOR): No limits
- Result is 10 - 20 x LOR: 0% - 50%
- Result is > 20 x LOR: 0% - 20%

Method blank samples

Method or blank sample analysis are the analyses of a sample that is as free as possible of the analyte(s) of interest, but has been prepared the same as the samples under investigation. The analysis is to ascertain if laboratory reagents, glassware and other laboratory consumables contribute to the observed concentration of analytes in the process batch. If below the maximum acceptable method blank (below practical quantification limit), the contribution is subtracted from the gross analytical signal for each analysis before calculating the sample analyte concentration. The method blank should return analyte concentrations as 'not detected'.

Laboratory control samples

Laboratory control spike analysis is the analysis of either a reference material or a control matrix fortified with analytes representative of the analyte class. The purpose of laboratory control spike samples is to monitor method precision and accuracy independent of the sample matrix. Typically, the percentage recovery of the laboratory control spike sample is compared to the dynamic recovery limits based on the statistical analysis of the processed laboratory control spike sample analysis. Recoveries should lie between 70% and 130%.

Matrix spike samples

Matrix spike sample analysis is the analysis of one or more replicate portions of samples from the batch, after fortifying the additional portion(s) with known quantities of the analyte(s) of interest. The percentage recovery of target analyte(s) from matrix spike samples is used to determine the bias of the method in the specific sample matrix. Recoveries should lie between 70% and 130%.

Surrogate spike samples

Surrogate spike samples are samples with known additions of known amounts of compounds, which are similar to the analytes of interests in terms of extractability, recovery through clean-up procedures and response to chromatographic or other measurement. Surrogate compounds may be alkylated or halogenated analogues or structural isomers of analytes of interest. The purpose of surrogate spikes, which are added immediately before the sample extraction step, is to provide a check for every analysis that no gross processing errors have occurred, which could have led to significant analyte loss or faulty calculation. Recoveries should lie between 50% and 150%.

Internal standards

Internal standards are known additions of known amounts of compounds which are not found in real samples, will not interfere with quantification of analytes of interest and may be separately and independently quantified. The purpose of internal standards in instrumental techniques is to provide independent signals, which serve to check the consistency of the analytical step.

10.3 Suitability of Sampling Results

10.3.1 Duplicate RPDs

Blind and split duplicate samples are assessed by calculating the relative percentage difference (RPD) between the primary, blind and split samples.

RPD values are calculated using the following equation.

$$RPD(\%) = \frac{(C_o - C_s)}{\left(\frac{C_o + C_s}{2}\right)} \times 100$$

Where C_0 = reported concentration from primary sample
 C_S = reported concentration from duplicate sample

According to AS 4482.1 – 2005 (Standards Australia, 2005), typical RPDs are expected to range between 30% and 50%; however, this may be higher for concentrations which are close to the laboratory LOR. Considering this, the following RPD limits are acceptable, based on standard industry practice:

- 200% for concentrations within one to ten times the analyte LOR
- 50% for concentrations within ten to 30 times the analyte LOR
- 30% for concentrations greater than 30 times the analyte LOR

10.3.2 Suitably Qualified Staff

Specific targeted training will be developed by the Environmental and Sustainability Lead (or delegate) to ensure that individuals involved in water quality monitoring are appropriately trained in sample collection, decontamination procedures, quality assurance sampling, and the correct use of equipment.

10.3.3 Calibration Records

All instruments will be calibrated in accordance with manufacturers specifications or relevant Australian Standards. Records of monitoring equipment calibration will be maintained by GLC throughout delivery of the Project.

Monitoring and calibration records will be maintained in accordance with the appropriate standard.

10.3.4 Monitoring Program

10.3.4.1 Flow Rates and Water Quality

Inflows to the construction water treatment plants will be derived primarily through groundwater inflows to excavations that extend below the water table, minor inflows into tunnels and cross passages, incidental rainfall over the excavation footprints, process water from tunnelling activities, and any washdown activities within the catchment of the water treatment plants.

Water treatment plants will be located at each station excavation. Rosehill water treatment plant will treat inflows to the Rosehill excavation along with inflows and process water associated with construction of the mainline tunnels.

The anticipated discharge rates from construction water treatment plants will be between 0.1 megalitres per day (ML/d) during early stages of construction and approximately 3 ML/d during later stages of construction in response to increased inflow rates to excavations and tunnels.

The water treatment plants will include multiple processes to treat water quality back to EPL pollutant limits for discharge.

Further details on the inflow volumes to construction water treatment plants is provided in the Discharge Impact Assessment (water pollution impact assessment) for the Project.

GLC are proposing to undertake a program of ongoing water quality monitoring at each construction water treatment plant to provide an ongoing assessment of effluent water quality and potential risks to the Water Quality Objectives in receiving waterways.

The proposed monitoring program will provide monitoring data for effluent water quality retained within the storage tank prior to discharge, including:

- Live continuous monitoring of pH and Turbidity
- Field monitoring of electrical conductivity
- Monthly and quarterly sampling and laboratory testing for the parameters listed in Table 9 against the relevant ANZECC/ARMCANZ (2000) / ANZG (2018) 95% and 99% species protection criteria.

All laboratory testing will be undertaken to quantify contaminants at levels commensurate with comparison against the adopted discharge criteria and ANZECC/ARMCANZ (2000) and ANZG (2018) default guideline values. Contaminants for which practical quantification limits (PQL) are greater than default guideline values will be noted within the monitoring report.

The water discharged from the water treatment plants will be recorded using flow meters at the discharge point. The data will be recorded in water discharge records and compared with the EPL discharge limits.

10.4 Calibration, Quality Assurance and Competency

Specific targeted training will be developed by the Environmental and Sustainability Lead (or delegate) to ensure that officers involved in water quality monitoring are appropriately trained. Refer to the CEMP for full details on environmental training.

All instruments will be calibrated in accordance with manufacturers specifications or relevant Australian Standards. Records of monitoring equipment calibration will be maintained by GLC throughout delivery of the Project.

Field results will be checked for accuracy before leaving the site and errors or discrepancies will be cross-checked, and further investigation initiated if required.

Monitoring and calibration records will be maintained in accordance with the appropriate standard.

Quality assurance and control protocols during sampling and recording of physio-chemical (field) parameters will be undertaken monthly (each sampling event) in accordance with ANZECC/ARMCANZ (2000) to ensure the integrity of each dataset.

As part of sampling the following will be undertaken:

- Rinsate blanks (one per sampling event only)
- Blind duplicates (at a rate not less than 20% of total samples)
- Split duplicates (at a rate not less than 20% of total samples)

Samples are to be transported to a NATA-accredited laboratory under documented chain-of-custody protocols.

11 GROUNDWATER MANAGEMENT STRATEGIES

The majority of groundwater on the project will be collected and treated at project construction water treatment plants and discharged into local waterways. This will be undertaken in consultation with relevant stakeholders where there is potential for interaction with existing groundwater management programs.

Where this is not possible, groundwater will also be reused on site or disposed of as liquid waste in line with the waste classification guidelines.

If groundwater is proposed to be reused on site, the water will be tested to ensure the water is suitable for reuse and does not result in a human health or environmental risk from any contaminants of concern.

A full discussion on groundwater management strategies is provided in the project Groundwater Management Plan. The performance criteria for beneficial reuse of groundwater are discussed in the SWMP.

Groundwater reinjection is not currently being considered as a groundwater disposal option or management strategy.

12 COMPLIANCE MANAGEMENT

12.1 Roles and Responsibility

The GLC Project Team’s organisational structure and overall roles and responsibilities are outlined in Section 7 of the WTP CEMP. Specific responsibilities for the implementation of environmental controls relevant to groundwater are detailed in Table 13.

Table 13: Responsibility Matrix

Role	Authority and Responsibility
Environmental and Sustainability Lead	<ul style="list-style-type: none"> Develop and implement the Groundwater Monitoring Program Oversee water quality and groundwater monitoring in accordance with this program Oversee compliance reporting and tracking Oversee the keeping of all environment records Engage suitably qualified consultants to support implementation of this program Regularly engage with key stakeholders and other interface contractors to achieve environmental alignment (e.g., discharge points and premises areas) in accordance with the interface management plan
Senior Environmental Advisor	<ul style="list-style-type: none"> Prepare ECMs to outline the controls in this program relevant to each work activity Delivery toolbox/prestart presentation (or other specific training) to inform work crews of the controls documented in the ECMs Respond to environmental incidents and non-conformances
Environmental Advisor	<ul style="list-style-type: none"> Prepare site-specific action management plans for Groundwater inflow, groundwater recharge, surface water impacts, GDE impact and groundwater quality
Construction Manager	<ul style="list-style-type: none"> Review and provide resources to implement the controls identified in the ECMs
Project Hydrogeologist	<ul style="list-style-type: none"> Prepare and update groundwater management control plans in accordance with this program and the GWMP including calculations for groundwater inflow, drawdown and quality
Site Supervisor	<ul style="list-style-type: none"> Install and maintain environmental control in accordance with ESCPs and ECMs Attend inspections with the Environmental Coordinator, Sydney Metro/ER or other stakeholders Implement corrective actions raised during Environmental inspections in agreed timeframes Obtain and comply with Water Discharge Permits prior to any groundwater discharge from the site Work in conjunction with the Soil and Water Quality Management Plan within the CEMP to notify the environmental coordinator of any observations in water quality or any signs of potential groundwater contaminants

Role	Authority and Responsibility
All personnel	<ul style="list-style-type: none"> Notify Site Supervisor of any observations of visual difference in groundwater quality in conjunction with the Soil and Water Quality Management Plan

12.2 Monitoring Records

All monitoring records will be kept on-file in a central electronic water quality monitoring register that will be stored on the Project file management system.

Data from the in-line monitoring sensors will be reviewed by the water treatment plant operators and all monitoring data will be kept in the water quality monitoring register.

Field measurement results for each monitoring location will be recorded on appropriate field sheets (hard copy or digital) using unique sampling identification nomenclature consisting of the sample date, location, and sampler details.

For each monitoring event, the following information shall be recorded:

- Date and time of measurements
- Name of person undertaking the measurements
- Type and model number of instruments and relevant calibration certificates
- Time of sample collection
- Map of area showing measurement location
- Measurement location details and number of measurements at each location
- Weather Conditions including rainfall in the past 24 hours

Laboratory samples will be collected at the same time as the field measurements are taken.

Laboratory results will be kept on-file and recorded in the water quality monitoring register

12.3 Auditing

Audits (both internal and external) will be undertaken to assess the effectiveness of environmental controls, compliance with this program, MCoA and other relevant approvals, licenses, and guidelines. These audits will be undertaken at planned intervals to provide information on whether the Project:

- Is meeting its compliance obligations
- Conforms to this program
- Determines if this program is effectively implemented and maintained.

The approach to internal and independent audits, including auditing schedule, is outlined further in Section 11.3 of the CEMP.

12.4 Reporting

During construction, groundwater monitoring data will be collected, tabulated and assessed against baseline conditions and performance criteria. Reporting requirements associated with the Projects construction phase are summarised below.

Separate from the Construction Monitoring Reports detailed below, additional records relating to groundwater monitoring training, toolbox talks, monitoring results and audit results will be

prepared, maintained, and stored in line with the CEMP. The complaints management and reporting procedure is described in the CEMP.

Where Sydney Water assets are required to be used to receive discharged water from the Project, as part of a trade waste agreement or similar, monitoring and reporting requirements would be agreed with Sydney Water. Where required, these monitoring and reporting requirements will be included in this Monitoring Program.

Pre-construction Groundwater Monitoring Data

- Groundwater monitoring data to be provided to the NSW EPA and DPHI and the Natural Resources Access Regulator (NRAR)
- To be undertaken prior to construction that would interact with groundwater.

Groundwater Construction Monitoring Reports (every six months)

- Data summary reports presenting tabulated groundwater monitoring data collected during the reporting period including water quality data, groundwater levels, inflow and any actions and responses. Groundwater levels, quality, and inflow results will be presented, and performance criteria exceedances will be highlighted. Additionally, water treatment plant discharge results would also be presented.
- Applicable management responses will also be documented.
- Six monthly monitoring reports will be provided to the relevant authorities (SOPA, EPA (if requested), DPHI and NRAR) Once finalised.

In accordance with MCoA C23, each 6-Monthly Groundwater Monitoring Reports will be submitted to the Planning Secretary, ER and regulatory agencies for information within 60 business days of the end of the relevant monitoring period.

GLC combine all Monitoring Reports into a single consolidated Construction Monitoring Report prior to publishing on their Project Website. Due to the slight variation in the reporting timeframes between the Surface Water Quality, Noise and Vibration and Groundwater Monitoring Reports, GLC will publish the consolidated Construction Monitoring Report on the Project website within one week of submitting the last Monitoring report for that period to DPHI via the Major Projects Portal in accordance with MCoA B11.

Where the Project EPL has additional requirements for reporting results, these will be added to the Monitoring Program, once available.

Groundwater Modelling Report

In accordance with MCoA D122, a stand-alone Groundwater Modelling Report (GMR) was produced for the WTP (August 2022). GLC submitted a revised Groundwater Modelling Report in association with Stage 1 of the CSSI to the Planning Secretary for information before bulk excavation at the relevant construction location. The project wide GMR and the Rosehill GMR have since been published on the WTP Project website.

13 REVIEW AND IMPROVEMENT

13.1 Continuous Improvement

Continuous improvement of this GMP will be achieved by the ongoing evaluation of environmental management performance against environmental policies, objectives, and targets for the purpose of identifying opportunities for improvement.

The continuous improvement process will be designed to:

- Identify areas of opportunity for improvement of environmental management and performance
- Determine the cause or causes of non-conformances and deficiencies
- Develop and implement a plan of corrective and preventative action to address any nonconformances and deficiencies
- Verify the effectiveness of the corrective and preventative actions
- Document any changes in procedures resulting from process improvement
- Make comparisons with objectives and targets.

13.2 Document Updates

The processes described above may result in the need to update or revise this GMP. This GMP will be reviewed and updated annually as a minimum or as as needed, and may only be approved by the Environment and Sustainability Director, or their delegate.

Where minor amendments are required to this GMP, the revised GMP will be issued to the ER for review and endorsement in accordance with MCoA A30(j).

13.3 Distribution

A copy of the updated Program and changes will be distributed to all relevant stakeholders in accordance with the approved document control procedure, detailed in the CEMP.

All GLC personnel and contractors will have access to this GMP via the project document control management system. The approved GMP will be published on the GLC website within one week of being approved and be publicly available until the end of the Construction Period.

A copy of the GMP will be published and maintained on the Project website, in accordance with MCoA B11. The GMP will be published within one week of its approval or before the commencement of any work to which they relate or before their implementation.

The document is uncontrolled when printed.

ATTACHMENTS

Attachment 1 – Compliance Matrix

The MCoA, REMMs, CEMF requirements and EPL requirements that relate to this GMP are detailed in the following tables.

MCoAs

ID	Conditions of Approval	Document Reference
C14 (d)	C14 The following Construction Monitoring Programs must be prepared in consultation with the relevant government agencies identified for each to compare actual performance of construction of Stage 1 of the CSSI against the performance predicted in the documents listed in Condition A1 of this schedule or in the CEMP:	This GMP Section 1.4 Attachment 2
	d) Groundwater – In consultation with: DPE Water and SOPA (in respect of Sydney Olympic Park)	
C15	Each Construction Monitoring Program must provide:	
	(a) details of baseline data available including the period of baseline monitoring	Section 7.2 - 7.3
	(b) details of baseline data to be obtained and when	Section 7.5 – 7.7
	(c) details of all monitoring of the project to be undertaken	Section 7.5 – 7.7
	(d) the parameters of the project to be monitored	Section 7.5 – 7.7
	(e) the frequency of monitoring to be undertaken	Section 7.5 – 7.7
	(f) the location of monitoring	Section 7.5 – 7.7 Attachment 3
	(g) the reporting of monitoring results and analysis results against relevant criteria	Section 12.4
	(h) details of the methods that will be used to analyse the monitoring data	Section 7.5 – 7.7
	(i) procedures to identify and implement additional mitigation measures where the results of the monitoring indicated unacceptable project impacts	Section 7.5 – 7.7
	(j) a consideration of SMART principles	Section 4.3
(k) any consultation to be undertaken in relation to the monitoring programs; and	Section 1.4	

ID	Conditions of Approval	Document Reference
	(l) any specific requirements as required by Conditions C16 to C17 of this schedule.	Attachment 1
	Groundwater Construction Monitoring Program must include:	
	(a) groundwater monitoring networks at each construction excavation site	Section 7.5 – 7.7
	b) detail of the location of all monitoring bores with nested sites to monitor both shallow and deep groundwater levels and quality	Section 7.5 – 7.7, Attachment 3
	(c) define the location of saltwater interception monitoring where sentinel groundwater monitoring bores will be installed between the saline sources of the estuary or river and that of the stations or shafts	Section 7.5 – 7.7
	d) results from existing monitoring bores	Attachment 5
	(e) monitoring and gauging of groundwater inflow to the excavations, appropriate trigger action response plan for all predicted groundwater impacts upon each noted neighbouring groundwater system component for each excavation construction site	Section 7.6.4
C17	(f) trigger levels for groundwater quality, salinity and groundwater drawdown in monitoring bores and / or other groundwater users	Section 7.5 – 7.7
	(g) daily measurement of the amount of water discharged from the water treatment plants	Section 9
	(h) water quality testing of the water discharged from treatment plants	Section 9
		Section 7.5 – 7.7
	(i) management and mitigation measures and criteria	Section 8 Section 9
	(j) groundwater inflow to the excavations to enable a full accounting of the groundwater take from the Sydney Basin Central Groundwater Source	Section 8
	(k) reporting of groundwater gauging at excavations, groundwater monitoring, groundwater trigger events and action responses	Section 8 Section 12.4
	(l) methods for providing the data collected to Sydney Water where discharges are directed to their assets.	Section 12.4
C18	With the exception of any Construction Monitoring Programs expressly nominated by the Planning Secretary to be endorsed by the ER, all Construction Monitoring Programs must be submitted to the Planning Secretary for approval.	Section 1.5

ID	Conditions of Approval	Document Reference
C19	The Construction Monitoring Programs not requiring the Planning Secretary’s approval must obtain the endorsement of the ER as being in accordance with the conditions of approval and all undertakings made in the documents listed in Condition A1 of this schedule. Any of these Construction Monitoring Programs must be submitted to the ER for endorsement at least one (1) month before the commencement of construction or where construction is phased no later than one (1) month before the commencement of that phase.	Section 1.5
C20	Any of the Construction Monitoring Programs which require Planning Secretary approval must be endorsed by the ER and then submitted to the Planning Secretary for approval at least one (1) month before the commencement of construction or where construction is phased no later than one (1) month before the commencement of that phase.	Section 1.5
C21	Unless otherwise agreed with the Planning Secretary, construction must not commence until the Planning Secretary has approved, or the ER has endorsed (whichever is applicable), all of the required Construction Monitoring Programs and all relevant baseline data for the specific construction activity has been collected.	Section 1.5
C22	The Construction Monitoring Programs, as approved by the Planning Secretary or the ER has endorsed (whichever is applicable), including any minor amendments approved by the ER, must be implemented for the duration of construction and for any longer period set out in the monitoring program or specified by the Planning Secretary or the ER (whichever is applicable), whichever is the greater.	Section 1.5
C23	The results of the Construction Monitoring Programs must be submitted to the Planning Secretary, ER and relevant regulatory agencies, for information in the form of a Construction Monitoring Report at the frequency identified in the relevant Construction Monitoring Program.	Section 12.4
D117	Stage 1 of the CSSI must be designed and constructed so as to maintain the NSW Water Quality Objectives (NSW WQO) where they are being achieved as at the date of this approval and contribute towards achievement of the NSW WQO over time where they are not being achieved as at the date of this approval, unless an EPL in force in respect of the CSSI contains different requirements in relation to the NSW WQO, in which case those requirements must be complied with.	Section 9 – An EPL has been obtained for the WTPs for the project
D121	Make good provisions for groundwater users must be provided in the event of a material decline in water supply levels, quality or quantity from registered existing bores associated with groundwater changes from construction.	Section 7.6

ID	Conditions of Approval	Document Reference
D122	<p>The Proponent must submit a revised Groundwater Modelling Report in association with Stage 1 of the CSSI to the Planning Secretary for information before bulk excavation at the relevant construction location. The Groundwater Modelling Report must include:</p> <ul style="list-style-type: none"> (a) for each construction site where excavation will be undertaken, cumulative (additive) impacts from nearby developments, parallel transport projects and nearby excavation associated with the CSSI (b) predicted incidental groundwater take (dewatering) including cumulative project effects (c) potential impacts for all latter stages of the CSSI or detail and demonstrate why these later stages of the CSSI will not have lasting impacts to the groundwater system, ongoing groundwater incidental take and groundwater level drawdown effects (d) actions required after Stage 1 to minimise the risk of inflows (including in the event latter stages of the CSSI are delayed or do not progress) and a strategy for accounting for any water taken beyond the life of the operation of the CSSI (e) saltwater intrusion modelling analysis, from estuarine and saline groundwater in shale, into The Bays metro station site and other relevant metro station sties; and (f) a schematic of the conceptual hydrogeological model. 	<p>The information requested is found within the standalone Groundwater Modelling Report Referred to in Sections 7.6 and 12.4.</p>

REMMs

ID	Revised Environmental Management Measure	Document Reference
SSQW5	The water treatment plants would be designed so that wastewater is treated to a level that is compliant with the ANZECC/ARMCANZ (2000) and ANZG (2018) and draft ANZG (2020) default guidelines for 95% species protection and 99% species protection and 99% species protection for toxicants that bioaccumulate unless other discharge criteria are agreed with relevant authorities.	Section 9
GW4	Monitoring of groundwater levels and quality at the site area would occur before, during and after construction. This would also include monitoring of potential contaminants of concern. Groundwater level data would be regularly reviewed during and after construction by a qualified hydrogeologist. Groundwater monitoring data would be provided to the NSW Environment Protection Authority and Department of Planning, Industry, Environment, Water and the Natural Resources Access Regulator for information prior to commencement of construction.	Section 7.6 Section 7.7 Section 12

CEMF Requirements

Clause	Requirement	Document Reference
7.2 (b)	Principal Contractors will develop and implement a Groundwater Management Plan for their scope of works. The Groundwater Management plan will include as a minimum:	
i.	The groundwater mitigation measures as detailed in the environmental approval documentation	Detailed in the Groundwater Management Plan
ii.	The requirements of any applicable licence conditions	Detailed in the Groundwater Management Plan
iii.	Details of proposed extraction, use and disposal of groundwater, and measures to mitigate potential impacts to groundwater sources, incorporating monitoring, impact trigger definition and response actions for all groundwater sources potentially impacted by the SSI	Detailed in the Groundwater Management Plan
iv.	Evidence of consultation with relevant government agencies	The Groundwater Monitoring Program has undergone consultation in accordance with MCoA C14(d). Evidence of consultation has been included in Attachment 2.
v.	The responsibilities of key project personnel with respect to the implementation of the plan	
vi.	Procedures for the treatment, testing and discharge of the groundwater from the site	
vii.	Compliance record generation and management	
viii.	Details of groundwater monitoring if required	

Environment Protection Licence

An Environmental Protection License (EPL) will apply for the Project. The EPL typically prescribes water quality parameters to be measured and associated discharge criteria from licensed discharge points. They also detail the monitoring and analytical requirements by reference to authority publications (e.g., Methods for sampling and analysis of water pollutants in NSW (EPA 2004)).

In some cases, a trade waste agreement may be sought from Sydney Water for disposal of wastewater into the sewer system, however this is currently not the preferred method of groundwater management, and no agreement has been sought at this time.

The Project construction activities are designated as '**Railway activities—railway infrastructure construction**' under Schedule 1 of the POEO Act. Scheduled activities under clause 48 of the POEO Act, require an Environmental Protection Licence (EPL) for the premise at which a scheduled activity is carried on.

The EPL for the project is EPL 21676. A copy can be found on the public register.

Attachment 2 – Stakeholder Consultation

Engagement Log

Stakeholder	Date of Engagement/ Attempted Engagement
DPE Water	<ul style="list-style-type: none"> Sydney Metro sent DPE Water an invitation to review and comment on the GMP on 02/05/2022, which included a cover letter and the GMP as a PDF document DPE Water did not provide comments within the 21-day consultation period DPE Water comments were provided to Sydney Metro on 01/06/2022.
SOPA	<ul style="list-style-type: none"> Sydney Metro sent SOPA an invitation to review and comment on the GMP on 29/04/2022, which included a cover letter and the GMP as a PDF document SOPA provided comments on 27/04/2022

Comments Register

Stakeholder	Comment Raised	GLC Response	Where Addressed
DPE Water	Additional information is required in the Construction Groundwater Monitoring Program (CGMP) to address the requirement of condition of consent C17 for groundwater trigger levels and a Trigger Action Response Plan.	<p><u>Comment was made on Rev A.</u></p> <p>Additional details regarding groundwater trigger levels and proposed response mechanisms have been incorporated. The revised Groundwater Modelling Report(s) will further inform this.</p>	Section 7.6
	Attachment 1 of the CGMP states that condition of consent D122 has been addressed in this report; however no revised groundwater modelling has been provided. This may be provided as a separate report rather than in the CGMP.	<p><u>Comment was made on Rev A.</u></p> <p>The program outlined herein is based on currently available information including the Hydrogeological Interpretive Report (HIR) and associated monitoring and modelling. Revised Groundwater Modelling Report(s) are required prior to bulk excavation in accordance with MCoA D122. This</p>	Section 12.4

Stakeholder	Comment Raised	GLC Response	Where Addressed
		<p>plan commits to that and as such is addressed within this report.</p> <p>The revised Groundwater Modelling Report(s) will be provided as a separate report(s) as completed.</p>	
	<p>It is understood final decisions on groundwater monitoring locations and trigger levels will be made based on updated groundwater modelling. As this is likely to result in further revisions of the CGMP, it is recommended the revised groundwater modelling is completed and the CGMP updated for further comment.</p>	<p><u>Comment was made on Rev A.</u></p> <p>Locations and trigger levels for groundwater monitoring program will be further informed by several factors including initial baseline monitoring events and ongoing technical investigations and reporting including the revised Groundwater Modelling Report(s) required prior to bulk excavation in accordance with MCoA D122. GLC have committed to an adaptive monitoring strategy with updates to this Groundwater Monitoring Program where required and as a result of additional revised Groundwater Modelling Report(s).</p>	<p>Section 7.5, 7.6, 12.4 and 13.</p>
	<p>Further detail is needed on the nature on make good provisions under condition of consent D121.</p>	<p><u>Comment was made on Rev A.</u></p> <p>Based on currently available information, material decline in water supply levels, quality or quantity at registered existing bores is not anticipated as a result of project construction. Where monitoring or revised Groundwater Modelling Report(s) indicate potential for material decline, make good provisions will be implemented on a case-by-case basis in consultation with the affected party with reference to the NSW Department of Primary Industries Office of Water (2012) Aquifer Interference Policy (AIP).</p>	<p>Currently addresses at Section 7.6.4 and 7.7.4.</p>

Stakeholder	Comment Raised	GLC Response	Where Addressed
SOPA	s7.9.1, it affirms that groundwater will be treated and discharged to the local waterways. Here is the need for ensuring that such waterways should be decided in consultation with SOPA because many waterways/wetlands are sensitive habitats (eg Northern Water Feature or Lake Belvedere). Also, given the presence of landfills and leachate, groundwater monitoring and management will have to be of high standard.	<u>Comment was made on Rev A.</u> Added: “This will be undertaken in consultation with relevant stakeholders where there is potential for interaction with existing groundwater management programs.” It is noted that No waterways that are within SOPA management will receive discharge from the project.	Section 11.
	Tunnelling under the landfill may create pathways for Kronos Hill landfill gas ingress into the tunnel presenting a risk to workers. Gas generation can be low flow but high concentration, and may occur within the lower explosive limits. The risk must be addressed as part of both the tunnelling and box excavation CEMPs and include landfill gas monitoring within the tunnel and appropriate response protocols. – Where will this be captured?	<u>Comment was made on Rev A.</u> Gas monitoring is not part of this groundwater management plan. This will be covered under a separate appropriate safety management plan, developed by a suitably qualified and experienced professional as part of the tunnelling risk assessment and in accordance with WorkCover NSW (2006) Tunnels Under Construction Code of Practice. The risk assessment process will be informed by noise and vibration assessment (as required) and an appropriate ground gas monitoring program will be developed and implemented. This process is outlined within the Project Work Health and Safety System documentation. Where the gas monitoring program and / or this groundwater monitoring program indicates potential pathways of landfill gas / leachate ingress mechanisms exists within the Deed and Project CEMP and associated subplans for the investigation and management of contamination where it is caused by the Project.	N/A

Stakeholder	Comment Raised	GLC Response	Where Addressed
	Section 7.9.2 0- Groundwater Level and Drawdown - lowering of ground water levels may result in an increase in landfill gas generation which may travel outside the waste containment area either laterally and / or vertically including into the tunnelling and box excavation works. Where will this risk be assessed and addressed? It should also be included as part of the Revised Groundwater Modelling Report assessment for the SOP Station box exaction with appropriate monitoring, and mitigation measures identified / developed as part of the relevant section of the CEMP.	<u>Comment was made on Rev A.</u> It is beyond the scope of a groundwater monitoring program to address landfill gas risk. Where there is overlap between the two disciplines, the groundwater monitoring plan will only inform the amount of groundwater drawdown as a comparison against performance criteria and whether the performance criteria have been exceeded. The performance criteria will be set out in the Hydrogeological Interpretive Report and included in this management plan when they become available. Refer previous comments regarding the identification and management of landfill gas ingress risk. Refer subsequent comments regarding future stakeholder review of the HIR.	N/A
	Section 7.7 – Groundwater Quality – does not appear to include any data loggers / key monitoring locations within SOP. Groundwater quality monitoring along this section of the alignment should be included to monitor for any change in groundwater quality that may indicating a possible connection between the waste containment cells and the surrounding groundwater.	<u>Comment was made on Rev A.</u> BH070 and BH121 have been nominated as part of the groundwater monitoring network (section 7.5). These both include loggers and sampling. The status and construction details of these bores is currently unknown.	Section 7.5
	Section 7.6 – Groundwater Level and Drawdown - The revised Groundwater Modelling Report to be developed for the Sydney Olympic Park station box excavation should be provided to SOPA for review / comment as groundwater drawdown may	<u>Comment was made on Rev A.</u> Added “The Revised Groundwater Modelling Report(s) will be provided to relevant stakeholder (e.g. SOPA) where there is potential for interaction with existing groundwater management programs.”	Section 7.6.4.

Stakeholder	Comment Raised	GLC Response	Where Addressed
	directly impact the Authority’s ability to manage the remediated landfill. Groundwater drawdown impacts must address potential impacts on natural estuarine areas north of Kronos Hill Landfill, Former Gold Driving Range and Bicentennial Park Landfills.	Updated Groundwater Modelling Report will be included in the Hydrogeological Interpretive Report. It is important that this is addressed, and feedback will be provided to modeller (GHD) for further consideration.	
	Section 6 Environmental Impacts summary – Must include consideration of the potential impacts (including risk that the vibrations from tunnelling works may result in a connection between the existing waste containment and surrounding groundwater through fractures in rock and/or collapse of gravity drains) specific to tunnelling under SOP and the Kronos remediated landfill.	<u>Comment was made on Rev A.</u> Added Sydney Olympic Park and discussed potential risks. Note above comments regarding Landfill Gas Risk not being addressed within this plan.	Table 3.
	Table 3 – Characteristics of the groundwater – does not include Sydney Olympic Park. As the site is a former uncontrolled landfilling site and the tunnelling package includes the section of the alignment beneath SOP Kronos Hill Landfill the groundwater condition around SOP and potential contaminates should be included and considered in the groundwater monitoring program. The risk associated with the tunnelling works beneath SOP landfills need to be specifically addressed and be considered as part of the tunnelling Groundwater Management Plan for the WTP.	<u>Comment was made on Rev A.</u> Added Sydney Olympic Park and discussed potential risks. Note above comments regarding Landfill Gas Risk not being addressed within this plan.	Table 2.
	Section 4.1 – legislation – as the tunnelling alignment is directly beneath the regulated landfills the Contaminated Lands Management Act should be included as relevant legislation and the relevant	<u>Comment was made on Rev A.</u> The following has been incorporated: <ul style="list-style-type: none"> • (NSW) Contaminated Land Management Act 1997 (CLM Act) 	Section 4.1.

Stakeholder	Comment Raised	GLC Response	Where Addressed
	<p>guidelines should include the remediated Lands Management Plan. The tunnelling package goes under the Kronos Hill landfill and residual waste are known to occur outside waste containment areas across the site. Tunnelling works may result in a connection between the groundwater of the waste containment cell and surrounding groundwater and consequently present a risk of leachate intrusion into the tunnel. All groundwater that comes into contact with waste is leachate and must be managed as such in accordance with the POEO Waste Regulations, CLM Act Notice No 28040 issued in relation to the remediated landfills and the RLMP referenced by the Notice. The POEO should also be referenced as relevant legislation relevant to the project works.</p>	<ul style="list-style-type: none"> • (NSW) Protection of the Environment Operations (Waste) Regulation 2014 (the Waste Regulation) • Maintenance of remediation notice 28040 (EPA 2009) • Remediated Lands Management Plan (SOPA, 2009) (or revisions that have been accepted by the EPA) 	

Comments Register – Outstanding Issues

Stakeholder	Comment Raised	GLC Response	Proposed Action
		N/A	

Meeting Minutes



Document Transmittal

Transmittal No:	SMMSTWTP-GLO-TX-000090
Contract No:	WTP - 00013/13065 - Western Tunnelling Works Design and Construction Deed
Sub Contract:	WTP
Date:	14 April 2022, 07:58 AM

Issued	Name
By	Liem Ngo (Gamuda Laing O'Rourke Consortium)

Issued	Name
To	Andrew Hendy (Sydney Metro) ; Alicia Hatton (Sydney Metro) ; Kate Brooks (Sydney Metro)
Cc	Hayley Young (Gamuda Laing O'Rourke Consortium) ; Steph Mifsud (Gamuda Laing O'Rourke Consortium) ; Andy Thompson (Gamuda Laing O'Rourke Consortium) ; Huw Griffiths (Gamuda Laing O'Rourke Consortium) ; Tom Olorenshaw (Gamuda Laing O'Rourke Consortium)

Reason for Issue	Issued for Information
Subject	Cumberland Council Meeting Minutes - 7 April 2022

Dear all

Please find attached for your information, minutes for the meeting with Cumberland City Council on 7 April 2022.

Regards

Liem Ngo

Stakeholder and Community Engagement Manager
 Sydney Metro West – Western Tunnelling Package
 Gamuda Australia Laing O'Rourke Consortium

[Click here to download all Transmittal files.](#)

Item	Document No	Title	Rev	Sts	Type	Design Lots	Alt Doc No
1	SMMSTWTP-GLO-WMD-CY-MIN-000001	Meeting Minutes - Cumberland City Council - 7 April 2022 - Project introduction and environmental management plans	A.01	S2	MIN		

MEETING MINUTES

Meeting details							
Meeting title	Briefing for Cumberland City Council - Sydney Metro West Western Tunnelling Package Project and Environmental Management Plan consultation introduction						
Date Time	7 April 2022, 15:30-16:15						
Location	MS Teams (online)						
Attendees	<table border="0"> <tr> <td>Gamuda Australia Laing O'Rourke (GLC):</td> <td>Simon Hussey, Andy Thompson, Hayley Young, Huw Griffiths, Tom Olorenshaw, Liem Ngo, Stephanie Mifsud</td> </tr> <tr> <td>Sydney Metro (SM)</td> <td>Andrew Hendy, Kate Brooks, Nikita Cullum</td> </tr> <tr> <td>Cumberland City Council (CCC)</td> <td>Daniel Cavallo, Shona Porter, Daniel Anderson</td> </tr> </table>	Gamuda Australia Laing O'Rourke (GLC):	Simon Hussey, Andy Thompson, Hayley Young, Huw Griffiths, Tom Olorenshaw, Liem Ngo, Stephanie Mifsud	Sydney Metro (SM)	Andrew Hendy, Kate Brooks, Nikita Cullum	Cumberland City Council (CCC)	Daniel Cavallo, Shona Porter, Daniel Anderson
Gamuda Australia Laing O'Rourke (GLC):	Simon Hussey, Andy Thompson, Hayley Young, Huw Griffiths, Tom Olorenshaw, Liem Ngo, Stephanie Mifsud						
Sydney Metro (SM)	Andrew Hendy, Kate Brooks, Nikita Cullum						
Cumberland City Council (CCC)	Daniel Cavallo, Shona Porter, Daniel Anderson						

Item	Information
1	Introductions and welcome

Introductions of meeting participants were conducted

2 Western Tunnelling Package & CEMP Consultation

2.1 **Andy Thompson delivered a presentation to provide an overview of the Sydney Metro West Western Tunnelling Package (WTP) including:**

- Introduction about Gamuda Australia and Laing O'Rourke
- Introducing the project team and key providers
- A construction overview, including project staging

2.2 **Tom Olorenshaw provided an overview of key construction, which will include:**

- HV trenching to bring in power supply for plant equipment will commence mid-2022 and will last 3-5 months
- Local area works to facilitate deliveries. Changes to kerbs, traffic lights and installation of pedestrian fencing to improve road safety are currently still in design. CCC will be consulted on proposed designs.
- Excavation works will start in 2023 and continue into 2024. This includes for the excavation of the station box, stub tunnels and cross over cavern. An acoustic shed will be built to mitigate noise from excavation.
- Tunnel Boring Machine (TBM) removal will from Westmead site will take approximately 6-8 weeks.

Andy Thompson noted that Sydney Metro by changing the TBM launch site from Westmead to Rosehill, has substantially reduced the impact on Westmead due to the tunnel segments no longer needing to be delivered regularly to the Westmead site.

2.3 **Liem Ngo provided an overview of potential stakeholder impacts, mitigation and engagement**

2.4 **Stephanie Mifsud presented the WTP Project's environmental approvals framework, including:**

- The environmental approvals process, including the Construction Environmental Management Plans.
- WTP Environmental Management plans framework and their interconnectedness with a range of WTP



Item	Information
	<p>procedures and strategies</p> <ul style="list-style-type: none">• CEMP relationship with the WTP project's environmental management systems• Inviting feedback on the various tranches of the CEMP, with the first tranches to submitted shortly to SOPA and other key stakeholders for consultation, with a 4-week consultation process proposed, involving:• Step 1. 2-weeks for written feedback, Step 2 - in week 3, a comment review workshop for subject matter experts to address CCC feedback, Step 3 - in week 4, CEMPS to be amended to address comments discussed in the workshop

3	Questions and Answers (CCC questions, GLC or SM answers)
----------	---

Q. What is the depth of the tunnels?

A. Station box is between 30 and 37m from surface, stub tunnels are 25 metres from surface and the crown of the cross cavern tunnel is 15m from the surface.

Q. Does tunnel depth limit basement depth for future developments?

A. (GLC) Potentially. There will be restrictions on depth from operating rail lines which may impact future developments.

Action: GLC, via Sydney Metro/TfNSW will provide CCC with depth restrictions for future development.

Q. With respect to the environmental management plans, is GLC seeking technical advice or fact-checking?

A. Both. If the Council has feedback on technical issues GLC welcomes those issues being raised at this early stage so it can be discussed. GLC suggests that any feedback clearly identify the particular sections of a plan and clearly states the outcome CCC wants.

Action: Sydney Metro, when sending plans to CCC for review and feedback should address to Daniel Cavallo and copied to his EA, Sarah Hussein, to coordinate input from CCC.

	Meeting finish
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4	Next meeting
----------	---------------------

Date: Consultation workshop date to be determined

Time: TBD

Location: TBD



Document Transmittal

Transmittal No:	SMMSTWTP-GLO-TX-000072
Contract No:	WTP - Western Tunnelling Package
Sub Contract:	WTP
Date:	07 April 2022, 09:47 AM

Issued	Name
By	Liem Ngo (Gamuda Laing O'Rourke JV)

Issued	Name
To	Alicia Hatton (Sydney Metro) ; Andrew Hendy (Sydney Metro) ; Nick Nathans (Sydney Metro) ; Kate Brooks (Sydney Metro)
Cc	Hayley Young (Gamuda Laing O'Rourke JV) ; Steph Mfsud (Gamuda Laing O'Rourke JV)

Reason for Issue	Issued for Information
Subject	SOPA Project & CEMP briefing - Meeting Minutes - 1 April 2022

Dear all

Please find attached for your information, meeting minutes for the 1 April 2022 meeting with SOPA.

Regards
Liem Ngo

[Click here to download all Transmittal files.](#)

Item	Document No	Title	Rev	Sts	Type	Design Lots	Alt Doc No
1	SMMSTWTP-GLO-CLP-SK-MIN-000001	SOPA Project & CEMP briefing - Meeting Minutes - 1 April 2022	-.01	S2	MN		

MEETING MINUTES

Meeting details							
Meeting title	Briefing for SOPA - Sydney Metro West Western Tunnelling Package Project and Environmental Management Plan consultation introduction						
Date Time	1 April 2022						
Location	MS Teams (online)						
Attendees	<table border="0"> <tr> <td>Gamuda Australia Laing O'Rourke (GLC):</td> <td>Simon Hussey, Andy Thompson, Hayley Young, Huw Griffiths, Liem Ngo, Stephanie Mifsud</td> </tr> <tr> <td>Sydney Metro (SM)</td> <td>Nick Nathan (Facilitator/Chair), Andrew Hendy, Alicia Hatton, Sarah Lepre, Nikkita Cullum, Ian Subramanian</td> </tr> <tr> <td>Sydney Olympic Park Authority (SOPA)</td> <td>Sally Hamilton, John Ferguson, Vivienne Albin, Julie Currey</td> </tr> </table>	Gamuda Australia Laing O'Rourke (GLC):	Simon Hussey, Andy Thompson, Hayley Young, Huw Griffiths, Liem Ngo, Stephanie Mifsud	Sydney Metro (SM)	Nick Nathan (Facilitator/Chair), Andrew Hendy, Alicia Hatton, Sarah Lepre, Nikkita Cullum, Ian Subramanian	Sydney Olympic Park Authority (SOPA)	Sally Hamilton, John Ferguson, Vivienne Albin, Julie Currey
Gamuda Australia Laing O'Rourke (GLC):	Simon Hussey, Andy Thompson, Hayley Young, Huw Griffiths, Liem Ngo, Stephanie Mifsud						
Sydney Metro (SM)	Nick Nathan (Facilitator/Chair), Andrew Hendy, Alicia Hatton, Sarah Lepre, Nikkita Cullum, Ian Subramanian						
Sydney Olympic Park Authority (SOPA)	Sally Hamilton, John Ferguson, Vivienne Albin, Julie Currey						

Item	Information
1	Introductions and welcome

Introductions of meeting participants were conducted

Nick Nathan (SM) provided an overview of the Sydney Metro West Project, including the three tunnelling packages and of the Stage 3 EIS currently open for public consultation.

Alicia Hutton (SM) introduced the GLC team, including Andy Thompson (GLC) to provide details about the Western Tunnelling Package (WTP)

2	Western Tunnelling Package & CEMP Consultation
----------	---

- 2.1 **Andy Thompson delivered a presentation to provide an overview of the Sydney Metro West Western Tunnelling Package (WTP) including:**
- Introduction about Gamuda Australia and Laing O'Rourke
 - Introducing the project team and key providers
 - A construction overview, including project staging
 - Explanation of the combined Sydney Metro West construction site, including the WTP and the Central Tunnelling Package (CTP) sections
 - The stages for the TBM retrieval and nozzle construction, site demobilisation and handover to CTP contractor

- 2.2 **Liem Ngo provided an overview of potential stakeholder impacts, mitigation and engagement**

- 2.3 **Stephanie Mifsud presented the WTP Project's environmental approvals framework, including:**
- The environmental approvals process, including the Construction Environmental Management Plans.
 - WTP Environmental Management plans framework and their interconnectedness with a range of WTP procedures and strategies
 - CEMP relationship with the WTP project's environmental management systems
 - Inviting feedback on the various tranches of the CEMP, with the first tranches to submitted shortly to



Item	Information
	<p>SOPA and other key stakeholders for consultation, with a 4-week consultation process proposed, involving:</p> <ul style="list-style-type: none">• Step 1. 2-weeks for written feedback, Step 2 - in week 3, a comment review workshop for subject matter experts to address SOPA feedback, Step 3 - in week 4, CEMPS to be amended to address comments discussed in the workshop

3	Questions and Answers (SOPA questions, GLC or SM answers)
----------	--

Q. Will the WTP project tunnel under Haslams Creek?

A. Yes

Q. Is a site auditor involved and will a meeting be setup with SOPA?

A. (GLC) Yes, Kylie Lloyd has been appointed the WTP site auditor and a meeting can be set up. It was noted that CTP will have a separate site auditor.

Action: GLC to set up meeting between the site auditor and SOPA.

Q. Will the issues raised by SOPA during the CEMP consultation be addressed and closed out?

A. (GLC) Yes. The workshop is designed to have the subject matter experts present to address SOPA's feedback and ensure any necessary changes to the CEMPs to reflect the discussions.

Q. When will more detailed stakeholder engagement occur?

A. (GLC) Since GLC is not planning to take possession of the site until December 2023 or early 2024. More detailed stakeholder engagement is likely to commence in first half of 2023. Although it was noted that both parties welcome dialogue on any issues that may emerge in the meantime.

Q. How will the CEMPs be transmitted for consultation

A. (GLC) GLC will submit to Andrew Hendy at Sydney Metro who will then distribute to respective stakeholder and interface managers to send to SOPA and other key stakeholders for consultation.

Q. Is there an unexpected finds protocol?

A. (GLC) Yes, there is.

Q. Can the feedback given to CTP be shared with the WTP team?

A. (SM) Feedback from consultation on CTP plans should be included within the respective plans which are now publicly available. Andrew Hendy will provide links to the GLC Environment and Planning team.

Q. How with Sydney Metro coordinate WTP and CTP activities?

A. (SM) Nick Nathan will coordinate CTP and WTP teams for SOP interface, via joint SOPA meetings or meet separately with each contract teams, as required.

	Meeting finish
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10	Next meeting
-----------	---------------------

Date: Consultation workshop date to be determined (late April/early May)

Time: TBD

Location: TBD

Meeting Summary**Total Number of Participants**

20

Meeting Title

SMW Introduction and CEMP Sub-Plans Briefing

Meeting Start Time

3/24/2022, 3:59:12 PM

Meeting End Time

3/24/2022, 4:46:41 PM

Meeting Id

18d00fea-6311-4935-8a5d-d89b04fb3722

Full Name	Join Time	Leave Time	Duration
Tania Page	3/24/2022, 3:59:12 PM	3/24/2022, 4:46:41 PM	47m 29s
Andy Thompson (GAB)	3/24/2022, 3:59:20 PM	3/24/2022, 4:46:37 PM	47m 17s
Sarah Lepre	3/24/2022, 3:59:51 PM	3/24/2022, 4:46:35 PM	46m 44s
Andrea Giusa	3/24/2022, 3:59:55 PM	3/24/2022, 4:46:41 PM	46m 45s
Ngo, Liem	3/24/2022, 4:00:04 PM	3/24/2022, 4:46:37 PM	46m 33s
Steph Mifsud (GAB)	3/24/2022, 4:00:09 PM	3/24/2022, 4:46:37 PM	46m 28s
Griffiths, Huw	3/24/2022, 4:00:25 PM	3/24/2022, 4:46:38 PM	46m 13s
Andrew Hendy	3/24/2022, 4:00:26 PM	3/24/2022, 4:46:38 PM	46m 11s
Bishwanand Mishra	3/24/2022, 4:00:30 PM	3/24/2022, 4:46:36 PM	46m 6s
Nikkita Cullum	3/24/2022, 4:00:32 PM	3/24/2022, 4:46:36 PM	46m 4s
Jim Tsom	3/24/2022, 4:00:34 PM	3/24/2022, 4:46:39 PM	46m 4s
Hayley Young (GAB)	3/24/2022, 4:01:17 PM	3/24/2022, 4:46:36 PM	45m 19s
Pino Todarello	3/24/2022, 4:01:22 PM	3/24/2022, 4:46:35 PM	45m 12s
Phillip Kelly	3/24/2022, 4:01:35 PM	3/24/2022, 4:46:36 PM	45m
Ian Subramaniam	3/24/2022, 4:01:35 PM	3/24/2022, 4:46:35 PM	45m
Simon Hussey (GAB)	3/24/2022, 4:01:55 PM	3/24/2022, 4:46:36 PM	44m 41s
Adrian Mihaila	3/24/2022, 4:03:52 PM	3/24/2022, 4:46:36 PM	42m 44s
Stuart Pike	3/24/2022, 4:04:52 PM	3/24/2022, 4:46:36 PM	41m 43s
Matthew Marrinan	3/24/2022, 4:05:05 PM	3/24/2022, 4:46:36 PM	41m 30s
Sasi Kumar	3/24/2022, 4:06:28 PM	3/24/2022, 4:46:36 PM	40m 8s

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SKumar@cityofparramatta.nsw.gov.au

Role

SM, Snr Project Manager Interfaces West
GALC, Surface Works Construction Manager
SM, Project Officer Environment
CoPC, Heritage Advisor
GALC, Stakeholder & Engagement Manager
GALC, Environmental Manager
GALC,
SM, Manager Environment
CoPC, Senior Catchment Referral Engineer
SM, Graduate
CoPC, Supervisor Catchment Management
GALC, Environment & Sustainability Lead
CoPC, Supervisor Open Space & Natural Resources
SM, Stakeholder & Engagement Manager
SM, Project Manager Interfaces West
GALC, Deputy Project Director
CoPC, Health & Building Services Manager
CoPC, Team Leader Environmental Health Compliance
SM, Snr Manager Environment
CoPC, Development Manager Sydney Metro

Copies of Correspondence

27 April 2022

Department of Planning and Environment - Water
Locked Bag 5022
PARRAMATTA NSW 2124

To whom it may concern,

Sydney Metro SSI 10038 – Western Tunnelling Package – Gamuda Australia and Laing O'Rourke Consortium – Construction Groundwater Monitoring Program

The Western Tunnelling Package (WTP) Package was recently awarded to Gamuda Australia and Laing O'Rourke Consortium (GALC). These works form part of the Sydney Metro West – Concept and Stage 1 (major civil construction between Westmead and The Bays) planning approval.

The planning approval requires the preparation of environmental management plans prior to construction commencing. Please find attached the Western Tunnelling Package (WTP) Construction Groundwater Monitoring Program, issued to the Department of Planning and Environment – Water for consultation in accordance with CSSI 10038 Condition of Approval C5.

Accompanying this letter is the following document:

- WTP Groundwater Monitoring Program

We are commencing a 3-week consultation process with you as of 27 April 2022 with this submission. During this period, we can hold an initial briefing session next week (week commencing 2 May 2022) at a time suitable to you. We can also hold a comment workshop in the third week (towards end of week commencing 9 May 2022). Your attendance is not mandatory, but highly advised to ensure you get the most out of the opportunity.

As the comment workshop is intended to respond to your comments, we would also like to receive comments prior to the workshop date, preferably by 11 May 2022. Please provide any comments via a comments register.

The consultation process will conclude on the date of the final workshop.

Should you have any questions or comments on the attached, please do not hesitate to contact Matthew Marrinan, Senior Manager Environment on Matthew.Marrinan@transport.nsw.gov.au or 0475 966 938.

OFFICIAL

Sydney Metro

Yours sincerely

A handwritten signature in blue ink, appearing to read "Stuart Hodgson". The signature is fluid and cursive, with a long horizontal stroke extending to the left.

Stuart Hodgson
Director Sustainability, Environment & Planning
Metro West
Sydney Metro



27 April 2022

Attn: Sally Hamilton
Director, Environment and Planning
Sydney Olympic Park Authority
Locked Bag 3
SYDNEY OLYMPIC PARK NSW 2127

Dear Sally,

Sydney Metro SSI 10038 – Western Tunnelling Package – Gamuda Australia and Laing O'Rourke Consortium – Construction Groundwater Monitoring Program

The Western Tunnelling Package (WTP) Package was recently awarded to Gamuda Australia and Laing O'Rourke Consortium (GALC). These works form part of the Sydney Metro West – Concept and Stage 1 (major civil construction between Westmead and The Bays) planning approval.

An introductory presentation was arranged by Sydney Metro and provided by GALC on 1 April 2022.

The planning approval requires the preparation of environmental management plans prior to construction commencing. Please find attached the Western Tunnelling Package (WTP) Construction Groundwater Monitoring Program, issued to the Sydney Olympic Park Authority (SOPA) for consultation in accordance with CSSI 10038 Condition of Approval C5.

Accompanying this letter is the following document:

- WTP Groundwater Monitoring Program

Consultation on this document(s) is required under condition C5 of SSI 10038 and we are commencing a 3-week consultation process with you as of 27 April 2022 with this submission. During this period, we will hold a comment workshop in the third week (week commencing 9 May 2022). Your attendance is not mandatory, but highly advised to ensure you get the most out of the opportunity.

As the comment workshop is intended to respond to your comments, we would also like to receive comments prior to the workshop date, preferably by 11 May 2022. Please provide any comments via a comments register.

The consultation process will conclude on the date of the final workshop.

OFFICIAL

Sydney Metro

Level 43, 680 George Street, Sydney NSW 2000 | PO Box K659, Haymarket NSW 1240
T 02 8265 9400 | sydneymetro.info | ABN 12 354 063 515

Should you have any questions or comments on the attached, please do not hesitate to contact Matthew Marrinan, Senior Manager Environment on Matthew.Marrinan@transport.nsw.gov.au or 0475 966 938.

Yours sincerely

A handwritten signature in blue ink, appearing to read "Stuart Hodgson". The signature is fluid and cursive, with a long horizontal stroke extending to the left.

Stuart Hodgson
Director Sustainability, Environment & Planning
Metro West
Sydney Metro

Attachment 3 – Proposed Monitoring Locations

Note – monitoring locations presented in the figures presented in Attachment 3 may be subject to change however remain accurate as of July 2024.

Monitoring zone	Groundwater monitoring bore ID	Screen interval (mbTOC)	Target unit	Water quality	Manual water level	Level logger	Logger download
Clyde Zone 1 – 5 (Clyde MSF)	CZ1_BH13	7.0-10.0	Clay	✓	✓	LevelSCOUT2 X	✓
	CZ5_MW09	2.0-5.0	Clay	✓	✓		
	CZ5_MW16	3.0-6.0	Clay	✓	✓	LevelSCOUT2 X	✓
	GALC-MW12	6.8-9.8	Silty clay	✓	✓		
	SMW_WTP_BH2 5_s	3.0-6.0	Clay	✓	✓		
	SMW_WTP_BH2 5_w	7.2-10.2	Clay, Siltstone	✓	✓	Troll 400 level	✓
	SMW_ENV039_w	7.3-10.3	Clay	✓	✓	LevelSCOUT2 X	✓
Clyde Zone 2 (Rosehill)	CZ4e_MW02	1.5-4.5	Gravel	✓	✓		
	CZ4e_MW03	3.0-6.0	(Sandy) Clay	✓	✓		
	SMW_BH010_w	23.5-26.5	Siltstone, sandstone		✓	CT2X; Solinst levellogger	✓
	SMW_ENV042_w	7.4-10.4	Clay		✓		
	SMW_ENV145_w	11.0-14.0	Clay	✓	✓	CT2X; Solinst levellogger	✓
	SMW_WTP_BH1 3_w	1.3-7.3	Clay	✓	✓	GALC telemetry	✓
	Clyde Zone 3 (Clyde Dive)	GALC-MW16_s	5.0-11.0	-		✓	GALC telemetry
GALC-MW16_w		16.0-21.0	-	✓	✓	GALC telemetry	✓
GALC-MW17		12.5-21.5	-		✓	GALC telemetry	✓
GALC-MW18		2.5-5.5	Silty clay	✓	✓	GALC telemetry	✓
SMW_ADD_BH0 2_w		24.0-30.0	Siltstone, Sandstone		✓	Troll 100 baro; Troll 400 level	✓
SMW_BH057_s		1.5-5.3	Sand	✓	✓	Solinst levellogger	✓
SMW_BH057_w		23.3-26.3	Siltstone, Sandstone	✓	✓	CT2X	✓
SMW_ENV009_w		2.8-7.3	Clayey sand	✓	✓	Solinst levellogger	✓
SMW_ENV010_w		3.2-6.6	Siltstone, sandstone		✓	-	-
Parramatta		GALC-MW26A	5.0-12.0	Silty clay with sand		✓	GALC telemetry
	GALC-MW26	18.0-30.0	Sandstone		✓	GALC telemetry	✓
	GALC-MW31	18.5-30.5	Sandstone		✓	GALC telemetry	✓
	GALC-MW32	18.0-30.0	Sandstone		✓	GALC telemetry	✓
	GALC-MW33	18.5-30.5	Sandstone		✓	-	-
	PM_BH14	3.5-6.0	Clayey sand	✓	✓	LevelSCOUT2 X	✓



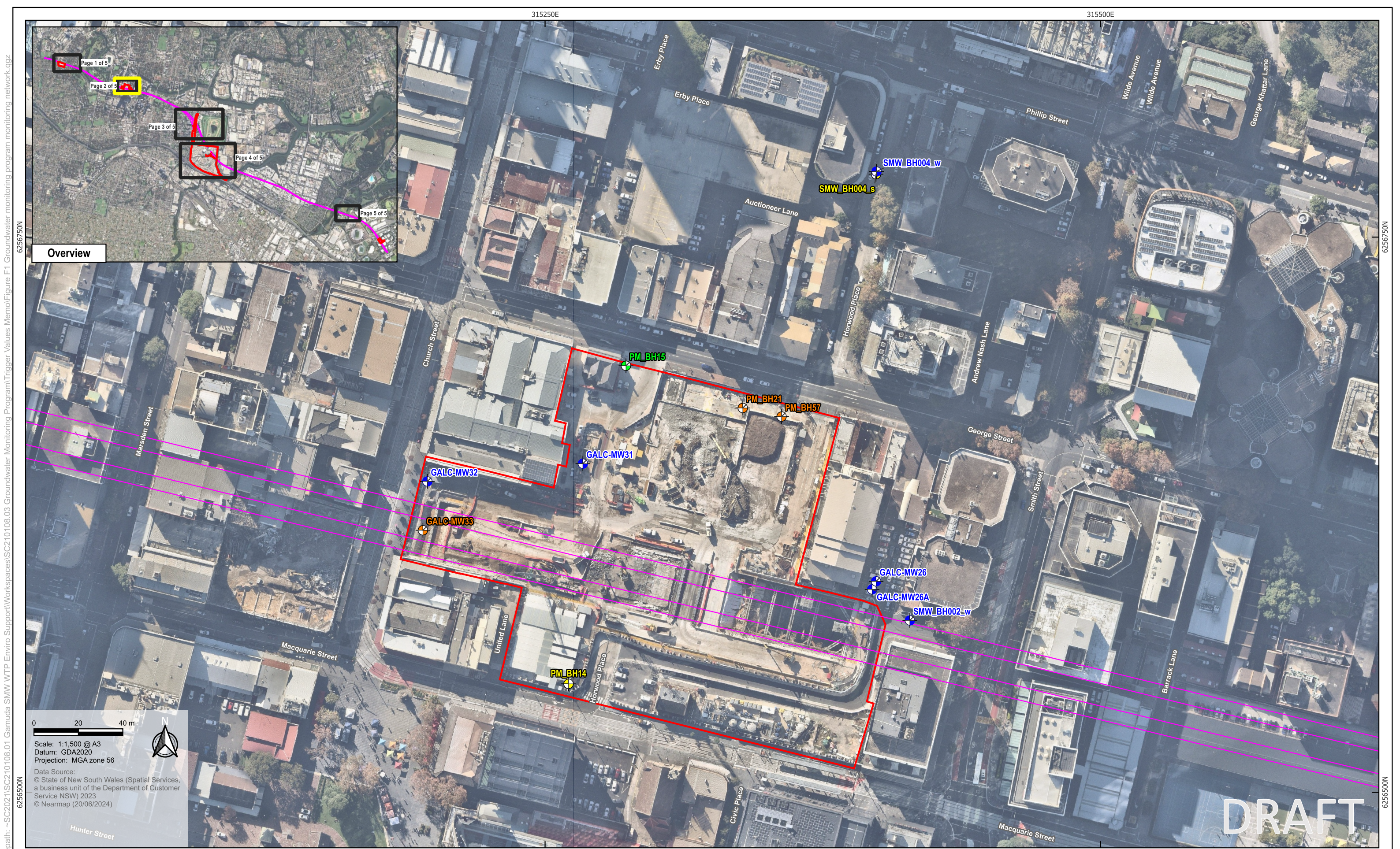
Legend

Site boundary	Railways
Proposed tunnel alignment	Manual water level, logger data, and sample
Watercourses	Manual water level, and logger data



**Gamuda Laing O'Rourke Consortium
Sydney Metro West Tunnelling Package
Groundwater Monitoring Program**

Figure F1
Groundwater monitoring program monitoring network
(Page 1 of 5)



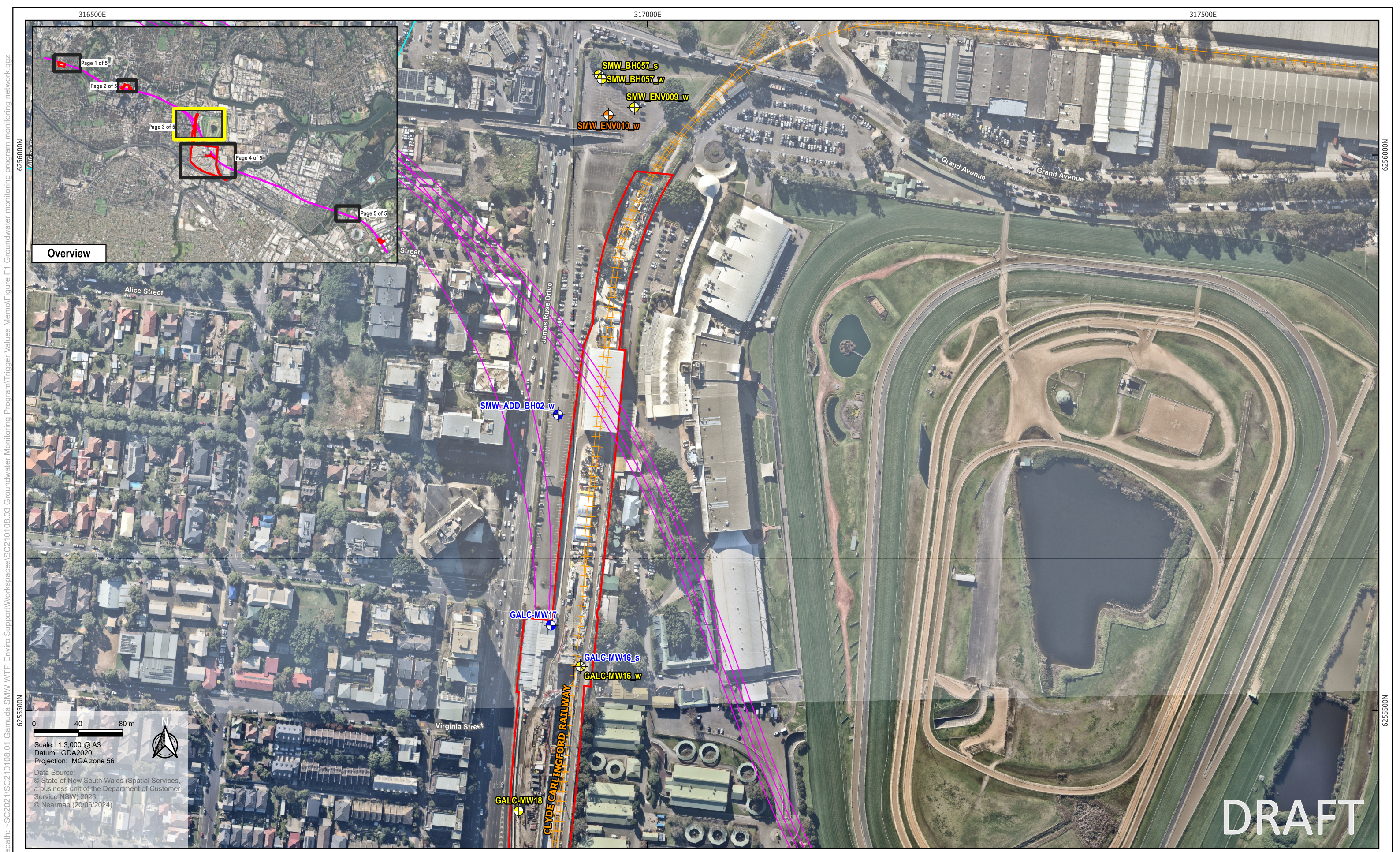
Legend

- Site boundary
- Proposed tunnel alignment
- Manual water level, and sample
- Manual water level, and logger data
- Manual water level, logger data, and sample
- Manual water level



**Gamuda Laing O'Rourke Consortium
Sydney Metro West Western Tunnelling Package
Groundwater Monitoring Program**

Figure F1
Groundwater monitoring program monitoring network
(Page 2 of 5)

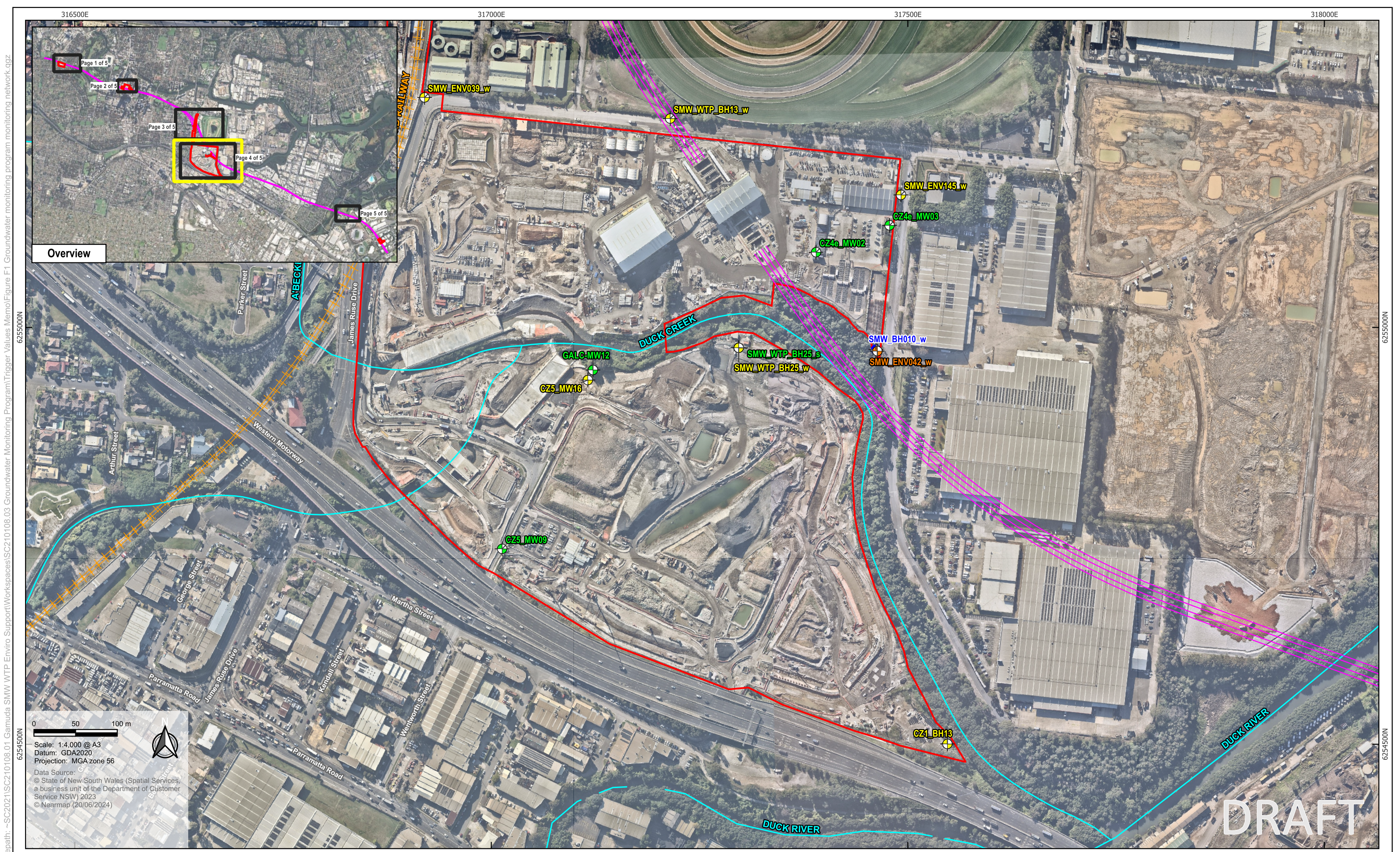


- Legend**
- Site boundary
 - Proposed tunnel alignment
 - Watercourses
 - Railways
 - ⊕ Manual water level, logger data, and sample
 - ⊕ Manual water level, and logger data
 - ⊕ Manual water level



**Gamuda Laing O'Rourke Consortium
Sydney Metro West Western Tunnelling Package
Groundwater Monitoring Program**

Figure F1
Groundwater monitoring program monitoring network
(Page 3 of 5)











Overview

Scale: 1:4,000 @ A3
 Datum: GDA2020
 Projection: MGA zone 56
 Data Source:
 © State of New South Wales (Spatial Services, a business unit of the Department of Customer Service NSW) 2023
 © Nearmap (20/06/2024)

DRAFT

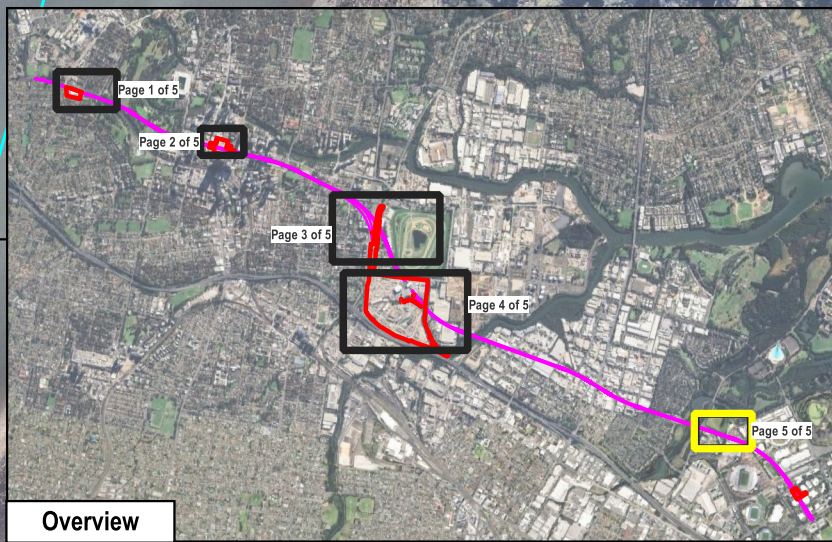
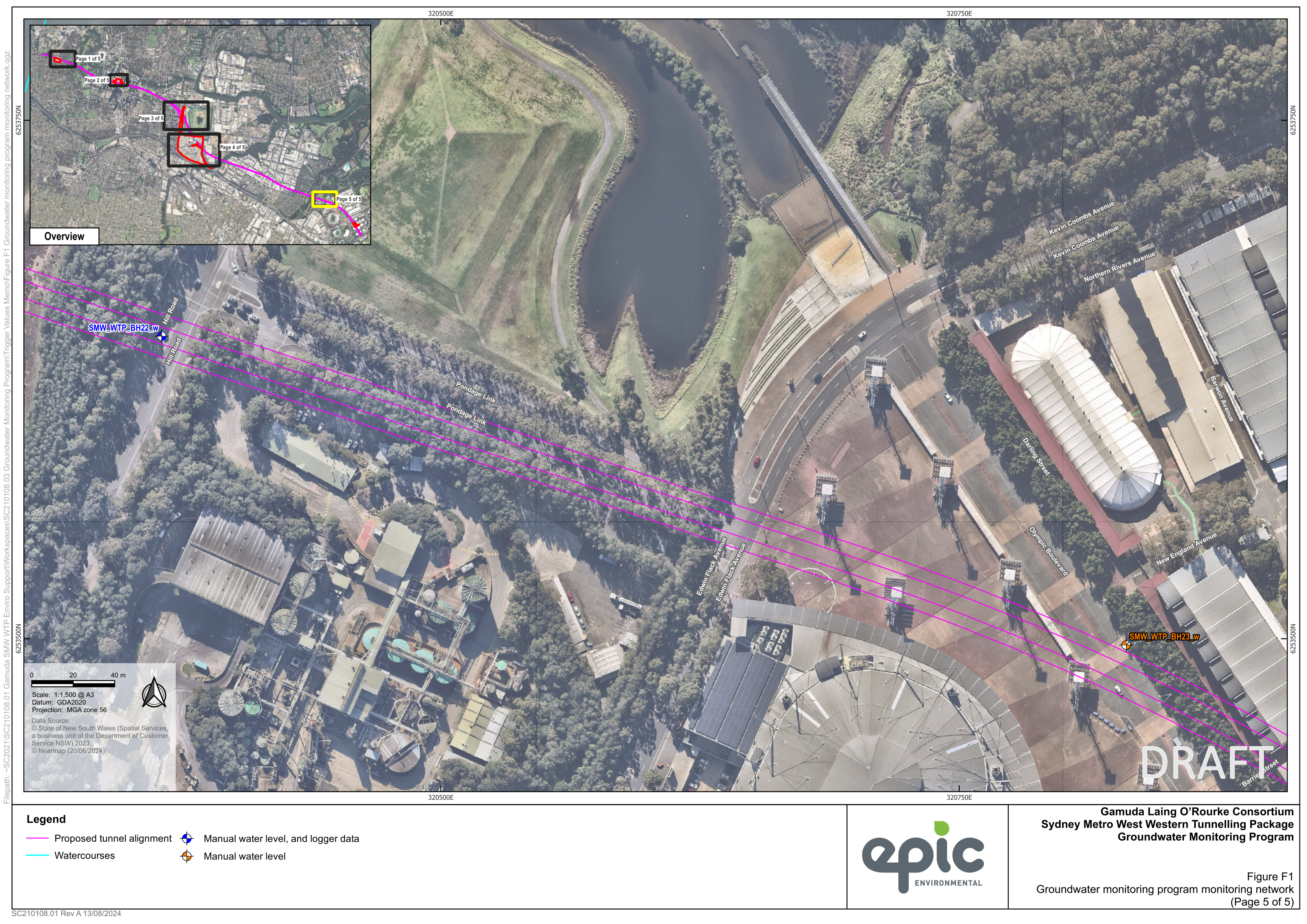
Legend

	Site boundary		Manual water level, logger data, and sample
	Proposed tunnel alignment		Manual water level, and sample
	Watercourses		Manual water level, and logger data
	Railways		Manual water level



**Gamuda Laing O'Rourke Consortium
 Sydney Metro West Western Tunnelling Package
 Groundwater Monitoring Program**

Figure F1
 Groundwater monitoring program monitoring network
 (Page 4 of 5)



Overview

0 20 40 m

Scale: 1:1,500 @ A3
 Datum: GDA2020
 Projection: MGA zone 56

Data Source:
 © State of New South Wales (Spatial Services, a business unit of the Department of Customer Service NSW) 2023
 © Nearmap (20/06/2024)

- Legend**
- Proposed tunnel alignment
 - Watercourses
 - Manual water level, and logger data
 - Manual water level



**Gamuda Laing O'Rourke Consortium
 Sydney Metro West Western Tunnelling Package
 Groundwater Monitoring Program**

Figure F1
 Groundwater monitoring program monitoring network
 (Page 5 of 5)

INTEGRATED MANAGEMENT SYSTEM
GROUNDWATER MONITORING PROGRAM
SYDNEY METRO WEST – WESTERN TUNNELLING PACKAGE

Monitoring zone	Groundwater monitoring bore ID	Screen interval (mbTOC)	Target unit	Water quality	Manual water level	Level logger	Logger download
	PM_BH15	7.0-10.0	Clay	✓	✓	-	-
	PM_BH21	4.0-7.0	Sandy clay		✓	-	-
	PM_BH57	-	-		✓	-	-
	SMW_BH002_w	29.4-32.4	Sandstone		✓	Solinst levellogger	✓
	SMW_BH004_s	6.50-11.50		✓	✓	Solinst levellogger	✓
	SMW_BH004_w	20.60-23.60			✓	CT2X; Solinst levellogger	✓
	GALC-MW38	22.83-34.83			✓	GALC telemetry	✓
	GALC-MW47	10.0-16.0			✓	GALC telemetry	✓
Westmead	GALC-MW54	1.0 - 4.0	Sandy Clay/Gravelly Clay		✓	LevelSCOUT2 X	✓
	SMW_BH008_w	14.0-17.0	Siltstone, sandstone		✓	Solinst levellogger	✓
	SMW_WTP_BH02_w	14.0-20.0	Siltstone, sandstone	✓	✓	Troll 400 level	✓
	SMW_WTP_BH03A_w	15.0-21.0	Siltstone, sandstone	✓	✓	Troll 400 level	✓
Sydney Olympic Park	SMW_WTP_BH22_w	19.2-25.1	Siltstone, sandstone		✓	Troll 100 level	✓
	SMW_WTP_BH23_w	24.0-30.0	Siltstone, sandstone		✓		

Attachment 4 – Groundwater Quality Monitoring Data

Table 14 - Golder Douglas Partners (2020) Contamination Factual Report Downer EDI Unwin St Rosehill

Table 14 - Golder | Douglas Partners (2021) Groundwater Monitoring Report - Stage 3 Locations

Table 15 - Golder | Douglas Partners (2022) Interim Factual Contamination Assessment Report

Table 16 - Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

			Analyte	General Parameters			Major Ions																	
			Electrical Conductivity @ 25°C	pH (Lab)	Total Dissolved Solids @ 180°C	Sodium (Filtered)	Potassium (Filtered)	Calcium (Filtered)	Magnesium (Filtered)	Chloride	Fluoride	Sulphate (as SO4)	Bicarbonate Alkalinity (as CaCO3)	Carbonate Alkalinity (as CaCO3)	Hydroxide Alkalinity (as CaCO3)	Total Alkalinity (as CaCO3)	Total Anions	Total Cations	Ionic Balance (Lab)	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total Oxidised)		
			Units	µS/cm	pH units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	meq/L	%	µg/L	µg/L	µg/L		
			EQL	1	0.01	5	0.5	0.5	0.5	0.5	1	0.1	1	1	1	1	0.01	0.01	0.01	5	5	10		
			Drinking Water	NHMRC 2011							1.5	250								50,000	3			
			Recreational	NHMRC 2008							15	2500								500,000	30			
			95% Protection of species	ANZG 2018																		40		
			Long-Term Irrigation	ANZECC 2000	6-8.5						1													
Well ID	Sample ID	Sample Date	Lab Report																					
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	7,830	5.04	4,290	1,220	4	59	117	2,580	<0.1	287	6	<1	<1	6	78.9	65.7	9.08	<10	<10	<10
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	8160	4.57	4580	1320	4	42	141	2660	<0.1	347	<1	<1	<1	<1	82.2	71.2	7.19	<10	<10	<10
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	5,770	5.83	4480	594	156	60	84	740	0.2	2250	135	<1	<1	135	70.4	79.0	5.27	<100	<100	<100
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	4,030	6.35	2930	342	138	128	58	518	0.2	1230	244	<1	<1	244	45.8	56.0	10.0	<100	<100	<100
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	3,130	7.24	1920	427	66	61	44	655	0.2	362	210	<1	<1	210	30.2	26.9	5.74	80	140	220
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	13,600	5.86	11,800	1,900	305	196	305	2,220	0.2	2,630	199	<1	<1	199	121	125	1.61	<100	<100	-
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	1,070	7.23	773	159	12	32	18	165	1.1	34	319	<1	<1	319	11.7	10.3	6.51	40	<10	-

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

Well ID	Sample ID	Sample Date	Zone	Lab Report	Analyte	Nutrients					Metals													Dissolved Gases	
						Ammonia (as N)	Total Kjeldahl Nitrogen (as N)	Nitrogen (Total)	Reactive Phosphorus (as P)	Total Phosphorus (as P)	Arsenic (Dissolved)	Cadmium (Dissolved)	Chromium (Dissolved)	Chromium (hexavalent) (Dissolved)	Cobalt (Dissolved)	Copper (Dissolved)	Iron (Dissolved)	Lead (Dissolved)	Manganese (Dissolved)	Mercury (Dissolved)	Nickel (Dissolved)	Zinc (Dissolved)	Methane	TRH C6 - C9 Fraction	TRH C10 - C14 Fraction
Units	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
					EQL	10	100	100	10	10	1	0.1	1	10	1	1	50	1	1	0.05	1	1	10	20	50
				Drinking Water	NHMRC 2011						10	2		50		2000		10	500	1	20		1600⁴		
				Recreational	NHMRC 2008						100	20		500		20000		100	5000	10	200				
				95% Protection of species	ANZG 2018	910					24 ¹ , 11 ¹	0.7 ¹²	27	4.4	1	1.3		4.43	80 ³	0.1 ¹²	70	15			
				Long-Term Irrigation	ANZECC 2000			5000		50	100	10		100	50	200	200	2000	200	2	200	2000			
				Lab Report																					
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	450	900	900	<10	30	<1	<0.1	<1	<10	29	<1	20,400	<1	234	<0.1	11	91	57	<20	<50	
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	120	500	500	<10	30	2	<0.1	<1	<10	20	10	39,100	<1	41	<0.1	10	40	41	<20	<50	
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	1400	9300	9300	<50	50	27	<0.1	1	<10	69	<1	731,000	<1	949	<0.1	26	56	185	<20	<50	
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	890	9600	9600	<50	120	27	<0.1	4	<10	27	<1	492,000	<1	1,030	<0.1	14	21	53	30	<50	
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	1650	5100	5300	<10	40	2	<0.1	<1	<10	7	<1	80,700	<1	1,440	<0.1	11	18	2390	<20	180	
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	4580	11700	-	<50	70	74	<0.1	4	-	5	<1	1,830,000	<0.1	1,050	<0.1	5	40	434	<20	<50	
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	2280	6400	-	10	1900	6	<0.1	<1	-	<1	<1	150	<0.1	113	<0.1	1	<5	6,300	<20	<50	

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

Well ID	Sample ID	Sample Date	Zone	Lab Report	BTEXN											PAHs							
					Toluene	Ethylbenzene	Xylenes (m & p)	Xylene (o)	Xylenes (Sum of total) (Lab Reported)	Naphthalene	Total BTEX	Benzo(a)pyrene (TEQs)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (lower bound)*	Benzo(b) & (j)fluoranthene	Benzo(g, h, i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a, h)anthracene
Units	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
					EQL	2	2	2	2	2	1-5*	1	0.5	1	1	1	1	0.5	0.5	1	1	1	1
				Drinking Water	NHMRC 2011	800	300			600								0.01					
				Recreational	NHMRC 2008	8000	3000			6000								0.1					
				95% Protection of species	ANZG 2018	180 ³	80 ³	m-xylene:	350 ³		50 ¹²				0.01 ¹²		0.1 ¹²						1.3
				Long-Term Irrigation	ANZECC 2000																		
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	NL	NL			NL	NL													
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<2	<2	<5	<1	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<2	<2	<5	<1	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	<2	<2	2	3	5	<5	5	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<2	<2	<5	<1	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	<2	<2	<2	<2	<2	<5	<1	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	<2	<2	<2	<2	<2	<5	<1	<0.5	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

			Analyte																					
			Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	Total PAH (NEPM/MHO 16)	1-Methylnaphthalene	2-Methylnaphthalene	p,p-DDE	a-BHC	Aldrin	Dieldrin	Aldrin & Dieldrin (Sum of total) (Lab Reported)	b-BHC	cis-Chlordane	trans-Chlordane	Chlordane (Sum of total)	d-BHC	DDD		
			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	µg/L	µg/L	µg/L	µg/L	µg/L		
			EQ	1	1	1	1	0.5	0.5	2	2		2	2	2	4	2	0.5	0.5	0.5	2	2		
			Drinking Water	NHMRC 2011																				
			Recreational	NHMRC 2008																				
			95% Protection of species	ANZG 2018																				
			Long-Term Irrigation	ANZECC 2000																				
Well ID	Sample ID	Sample Date	Lab Report	NL																				
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<2	<2	-	<2	<2	<2	<4	<2	-	-	-	<2	<2
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<2	<2	-	<2	<2	<2	<4	<2	-	-	-	<2	<2
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<2	<2	-	<2	<2	<2	<4	<2	-	-	-	<2	<2
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<2	<2	-	<2	<2	<2	<4	<2	-	-	-	<2	<2
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<2	<2	-	<2	<2	<2	<4	<2	-	-	-	<2	<2
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<2	<2	-	<2	<2	<2	<4	<2	-	-	-	<2	<2
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<0.5	<2	<2	-	<2	<2	<2	<4	<2	-	-	-	<2	<2

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

			Analyte	Organochlorine Pesticides																			
				DDE	DDT	DDT+DDE+DDD (Sum of total) (Lab Reported)	Endosulfan I	Endosulfan II	Endosulfan (as sum of Endosulfan I and Endosulfan II)	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Azinphos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorfenvinphos-cis
			Units	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	µg/L	µg/L	µg/L	µg/L	µg/L
			EQL	2	4	4	0.5	0.5	-	2	2	0.5	0.5	2	2	0.5	4	2	0.5	0.5	0.5	2	5
			Drinking Water	NHMRC 2011	9				20					10	0.3			300	30	10	0.5	2	
			Recreational	NHMRC 2008	90				200					100	3			3000	300	100	5	20	
			95% Protection of species	ANZG 2018		0.0004 ³			0.005 ¹²		0.004 ¹²			0.007 ³	0.0004 ³		0.05 ¹²	0.004 ³	0.01 ³				
			Long-Term Irrigation	ANZECC 2000																			
Well ID	Sample ID	Sample Date	Lab Report																				
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	<2	<4	<4	-	-	-	<2	<2	-	-	<2	<2	<2	<0.1	-	-	-	<2	-
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	<2	<4	<4	-	-	-	<2	<2	-	-	<2	<2	<2	<4	-	-	-	<2	-
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	<2	<4	<4	-	-	-	<2	<2	-	-	<2	<2	<2	<4	-	-	-	<2	-
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	<2	<4	<4	-	-	-	<2	<2	-	-	<2	<2	<2	<4	-	-	-	<2	-
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	<2	<4	<4	-	-	-	<2	<2	-	-	<2	<2	<2	<4	-	-	-	<2	-
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	<2	<4	<4	-	-	-	<2	<2	-	-	<2	<2	<2	<4	-	-	-	<2	-
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	<2	<4	<4	-	-	-	<2	<2	-	-	<2	<2	<2	<4	-	-	-	<2	-

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

Well ID	Sample ID	Sample Date	Zone	Lab Report	Analyte	Organophosphorous Pesticides																						
						Chlorfenvinphos-trans	Chlorpyrifos	Chlorpyrifos-methyl	Co-Ral (Coumaphos)	Demeton-s-methyl	Diazinon	Dichlorvos	Dimethoate	Disulfoton (Di-syston)	Ethoprophos (Ethoprop or Prophos)	Ethion	O-Ethyl-O-(4-nitrophenyl)phenylphosphonothioate	Famphur (Famophos)	Fenitrothion	Fenamiphos	Fenthion	Malathion	Metidathion	Mevinphos-cis/trans	Parathion-methyl			
				Units		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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
				EQL		0.5	2	2	0.5	0.5	2	2	2	0.5	0.5	2	0.5	0.5	0.2	0.5	2	2	0.5	1	2			
		Drinking Water		NHMRC 2011			10			4	5	7			4				0.5	7	70					0.7		
		Recreational		NHMRC 2008			100			40	50	70			40				5	70	700					7		
		95% Protection of species		ANZG 2018			0.009			4 ³	0.01,3,11		0.15,3,11					0.001 ³			0.05,3,11							
		Long-Term Irrigation		ANZECC 2000																								
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	-	<2	<2	-	-	<2	<2	<2	-	-	<2	-	-	-	-	<2	<2	-	-	-	-	-	-	-
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	-	<2	<2	-	-	<2	<2	<2	-	-	<2	-	-	-	-	<2	<2	-	-	-	-	-	-	-
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	-	<2	<2	-	-	<2	<2	<2	-	-	<2	-	-	-	-	<2	<2	-	-	-	-	-	-	-
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	-	<2	<2	-	-	<2	<2	<2	-	-	<2	-	-	-	-	<2	<2	-	-	-	-	-	-	-
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	-	<2	<2	-	-	<2	<2	<2	-	-	<2	-	-	-	-	<2	<2	-	-	-	-	-	-	-
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	-	<2	<2	-	-	<2	<2	<2	-	-	<2	-	-	-	-	<2	<2	-	-	-	-	-	-	-
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	-	<2	<2	-	-	<2	<2	<2	-	-	<2	-	-	-	-	<2	<2	-	-	-	-	-	-	-

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

			Analyte							Prothios			Phenols										
			Monocrotophos	Parathion	Phorate	Phospho-ethyl	Phospho-methyl	Profenofos		Tetrachlorvinphos (Stirophos)	Sulfatepp	Rommel	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	2,4-Dimethylphenol	2-Methylphenol	
			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	µg/L	µg/L	µg/L	µg/L	µg/L	
			EQL	2	2	0.5	2	0.5	0.5	2	0.5	0.5	0.5	1	1	1	2	2	2	2	4	2	2
			Drinking Water	NHMRC 2011	2	20	0.5								20	200		300		10			
			Recreational	NHMRC 2008	20	200	5								200	2000		3000		100			
			95% Protection of species	ANZG 2018		0.004 ^{3,11}			0.02 ¹¹				10 ^{11,12}	4 ³	3 ^{11,12}	120 ^{11,12}	34 ^{3,11}	340 ^{11,12}		11 ¹²	2 ^{3,11}		
			Long-Term Irrigation	ANZECC 2000																			
Well ID	Sample ID	Sample Date	Lab Report																				
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	-	-	-	<2	-	-	-	<2	-	<2	<2	<2	<2	<2	<2	<4	<2	<2	
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	-	-	-	<2	-	-	-	<2	-	<2	<2	<2	<2	<2	<2	<4	<2	<2	
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	-	-	-	<2	-	-	-	<2	-	<2	<2	<2	<2	<2	<2	<4	<2	<2	
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	-	-	-	<2	-	-	-	<2	-	<2	<2	<2	<2	<2	<2	<4	<2	<2	
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	-	-	-	<2	-	-	-	<2	-	<2	<2	<2	<2	<2	<2	<4	<2	<2	
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	-	-	-	<2	-	-	-	<2	-	<2	<2	<2	<2	<2	<2	<4	<2	<2	
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	-	-	-	<2	-	-	-	<2	-	<2	<2	<2	<2	<2	<2	<4	<2	<2	

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

Well ID	Sample ID	Sample Date	Zone	Lab Report	Analyte			Polychlorinated Biphenyls																		
					2-Nitrophenol	3- & 4- Methylphenol	Phenol	PCB Congener C28	PCB Congener C52	PCB Congener C101	PCB Congener C118	PCB Congener C138	PCB Congener C153	PCB Congener C180	PCB (Sum of Total-Lab Reported)	1,3-Dichloropropene (Calculated)	1,4-Dichlorobenzene	4-Chlorotoluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	2-Chlorotoluene	Bromobenzene		
Units					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	µg/L	µg/L	µg/L	µg/L			
EQL					2	4	2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	-	2	5	5	2	2	2	5	5	
Drinking Water					NHMRC 2011											40			1500							
Recreational					NHMRC 2008											400			15000							
95% Protection of species					ANZG 2018			400											60 ³	3,11,12		20,12	160 ³	260 ³		
Long-Term Irrigation					ANZECC 2000																					
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	<2	<4	<2	-	-	-	-	-	-	-	-	-	<2	<5	<5	<2	<2	<2	<5	<5		
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	<2	<4	<2	-	-	-	-	-	-	-	-	-	<2	<5	<5	<2	<2	<2	<5	<5		
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	<2	<4	<2	-	-	-	-	-	-	-	-	-	<2	<5	<5	<2	<2	<2	<5	<5		
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	<2	<4	<2	-	-	-	-	-	-	-	-	-	<2	<5	<5	<2	<2	<2	<5	<5		
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	<2	<4	<2	-	-	-	-	-	-	-	-	-	<2	<5	<5	<2	<2	<2	<5	<5		
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	<2	<4	<2	-	-	-	-	-	-	-	-	-	<2	<5	<5	<2	<2	<2	<5	<5		
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	<2	<4	<2	-	-	-	-	-	-	-	-	-	<2	<5	<5	<2	<2	<2	<5	<5		

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

			Analyte	Volatile Organic Compounds																				
				1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-dichloroethene	1,2-Dichloroethene (as sum of cis-1,2-Dichloroethene and trans-1,2-dichloroethene)	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-dichloropropene	1,3-dichloropropene (as sum of cis-1,3-Dichloropropene and trans-1,3-dichloropropene)	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Bromochloromethane	Bromodichloromethane	Bromoform	
			Units	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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			EQL	5	5	5	5	5	5	5	-	5	5	5	1	1	1	-	5	5	1	1	5	
			Drinking Water	NHMRC 2011	1	3	30			60								100						
			Recreational	NHMRC 2008	10	30	300			600														
			95% Protection of species	ANZG 2018			1900 ³	700 ³				900 ³	1100 ³											
			Long-Term Irrigation	ANZECC 2000																				
Well ID	Sample ID	Sample Date	Lab Report																					
SMW_ENV083	SMW_ENV083	14-02-20	ES2005421	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	Δ	Δ	-	<5	<5	
SMW_ENV084	SMW_ENV084	14-02-20	ES2005421	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	Δ	Δ	-	<5	<5	
SMW_ENV087	SMW_ENV087	14-02-20	ES2005421	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	Δ	Δ	-	<5	<5	
SMW_ENV088	SMW_ENV088	14-02-20	ES2005421	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	Δ	Δ	-	<5	<5	
SMW_ENV089	SMW_ENV089	14-02-20	ES2005421	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	Δ	Δ	-	<5	<5	
SMW_ENV090_D	SMW_ENV090_D	16-03-20	ES2009186	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	Δ	Δ	-	<5	<5	
SMW_ENV090_S	SMW_ENV090_S	16-03-20	ES2009186	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	Δ	Δ	-	<5	<5	

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

			Analyte																					
			Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Dibromomethane	Dichlorodifluoromethane	Hexachlorobutadiene	Hexachloroethane	Iodomethane	Pentachloroethane	Trichloroethene	Tetrachloroethene	Trichlorofluoromethane	Vinyl chloride	Naphthalene	2-Methylnaphthalene	2-Chloronaphthalene		
			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	µg/L	µg/L	µg/L	µg/L	µg/L		
			EQL	50	5	5	1	50	5	50	5	50	1	2	5	5	5	1	50	50	2	2	2	
Drinking Water			NHMRC 2011	1	3							0.7					50		0.3					
Recreational			NHMRC 2008	10	30							7					500		3					
95% Protection of species			ANZG 2018			240 ³			370 ³						80 ³	330 ³	70 ³		100 ³	50 ¹²				
Long-Term Irrigation			ANZECC 2000																					
Well ID	Sample ID	Sample Date	Lab Report																	NL				
SMW_ENV083	SMW_ENV083	14-02-20	ES2005421	<50	<5	<5	-	<50	<5	<50	<5	<50	<2	<2	<5	<5	<5	<5	<50	<50	<2	<2	<2	
SMW_ENV084	SMW_ENV084	14-02-20	ES2005421	<50	<5	<5	-	<50	<5	<50	<5	<50	<2	<2	<5	<5	<5	<5	<50	<50	<2	<2	<2	
SMW_ENV087	SMW_ENV087	14-02-20	ES2005421	<50	<5	<5	-	<50	<5	<50	<5	<50	<2	<2	<5	<5	<5	<5	<50	<50	<2	<2	<2	
SMW_ENV088	SMW_ENV088	14-02-20	ES2005421	<50	<5	<5	-	<50	<5	<50	<5	<50	<2	<2	<5	<5	<5	<5	<50	<50	<2	<2	<2	
SMW_ENV089	SMW_ENV089	14-02-20	ES2005421	<50	9	<5	-	<50	<5	<50	<5	<50	<2	<2	<5	<5	<5	<5	<50	<50	<2	<2	<2	
SMW_ENV090_D	SMW_ENV090_D	16-03-20	ES2009186	<50	<5	<5	-	<50	<5	<50	<5	<50	<2	<2	<5	<5	<5	<5	<50	<50	<2	<2	<2	
SMW_ENV090_S	SMW_ENV090_S	16-03-20	ES2009186	<50	<5	<5	-	<50	<5	<50	<5	<50	<2	<2	<5	<5	<5	<5	<50	<50	<2	<2	<2	

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

			Analyte	SVOCs																				
				Diethyl phthalate	Di-n-butyl phthalate	Butyl benzyl phthalate	bis(2-ethylhexyl) phthalate	Di-n-octylphthalate	N-Nitrosomethylethylamine	N-Nitrosodiethylamine	N-Nitrosopyrrolidine	N-Nitrosomorpholine	N-Nitrosodi-n-propylamine	N-Nitrosopiperidine	N-Nitrosobutylamine	N-Nitrosodiphenyl & Diphenylamine	Methapyrene	2-Picoline	Acetophenone	Nitrobenzene	sophorone	2,6-Dinitrotoluene	2,4-Dinitrotoluene	
			Units	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	µg/L	µg/L	µg/L	µg/L	µg/L	
			EQL	2	2	2	10	2	2	2	4	2	2	2	2	4	2	2	2	2	2	4	4	
			Drinking Water	NHMRC 2011																				
			Recreational	NHMRC 2008																				
			95% Protection of species	ANZG 2018																				
			Long-Term Irrigation	ANZECC 2000																				
Well ID	Sample ID	Sample Date	Lab Report																					
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<10	<2	<2	<2	<4	<2	<2	<2	<2	<4	<2	<2	<2	<2	<2	<4	<4
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<10	<2	<2	<2	<4	<2	<2	<2	<2	<4	<2	<2	<2	<2	<2	<4	<4
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<10	<2	<2	<2	<4	<2	<2	<2	<2	<4	<2	<2	<2	<2	<2	<4	<4
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<10	<2	<2	<2	<4	<2	<2	<2	<2	<4	<2	<2	<2	<2	<2	<4	<4
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	<2	<2	<2	<10	<2	<2	<2	<4	<2	<2	<2	<2	<4	<2	<2	<2	<2	<2	<4	<4
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	<2	<2	<2	<10	<2	<2	<2	<4	<2	<2	<2	<2	<4	<2	<2	<2	<2	<2	<4	<4
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	<2	<2	<2	<10	<2	<2	<2	<4	<2	<2	<2	<2	<4	<2	<2	<2	<2	<2	<4	<4

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

					Analyte	Per- and polyfluoroalkyl substances (PFAS)																			
Well ID	Sample ID	Sample Date	Zone	Lab Report	3,3'-Dichlorobenzidine	Sum of PFHxS and PFOS (lab reported)	Sum of US EPA PFAS (PFOS + PFOA)	Sum of WA DER PFAS (n=10)	Sum of PFASs (n=28)	10:2 Fluorotelomer sulfonic acid	4:2 Fluorotelomer sulfonic acid	8:2 Fluorotelomer sulfonate	Perfluorobutanoic acid (PFBA)	Perfluoroheptane sulfonic acid	Perfluoro-n-pentanoic acid (PFPeA)	Perfluoropentane sulfonic acid	N-ethyl-perfluorooctanesulfonamidoacetic acid	N-Et-FOSA	N-Et-FOSE	N-Me-FOSA	N-Me-FOSE	N-methyl-perfluorooctanesulfonamidoacetic acid	Perfluorobutanesulfonic acid (PFBS)	Perfluorodecane sulfonic acid (PFDS)	
					Units	µg/L	ug/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	ug/L	ug/L	ug/L	µg/L	µg/L	µg/L
					EQL	2	0.01		0.01	0.05	0.05	0.05	0.1	0.02	0.02	0.02	0.02	0.05	0.05	0.05	0.05	0.02	0.02	0.02	
Drinking Water					NHMRC 2011		0.07 ⁵																		
Recreational					NHMRC 2008		0.7 ⁵																		
95% Protection of species					ANZG 2018																				
Long-Term Irrigation					ANZECC 2000																				
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	<2	0.81	-	1.81	1.98	<0.05	<0.05	<0.05	<0.1	0.04	0.08	0.13	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	0.20	<0.02
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	<2	0.59	-	1.47	1.59	<0.05	<0.05	<0.05	<0.1	<0.02	0.07	0.12	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	0.16	<0.02
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	<2	0.17	-	0.17	0.17	<0.05	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.02	<0.02
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	<2	<0.01	-	<0.01	<0.01	<0.05	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.02	<0.02
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	<2	0.08	-	0.08	0.08	<0.05	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.02	<0.02
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	<2	<0.01	-	<0.01	<0.01	<0.05	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.02	<0.02
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	<2	0.18	-	0.2	0.2	<0.05	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.02	<0.02

Golder | Douglas Partners (2020): Contamination Factual Report, Downer EDI, Unwin St, Rosehill, 1791865-019-R-Rev0, Dated 4 May 2020

Well ID	Sample ID	Sample Date	Zone	Lab Report	Analyte													
					Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluorooheptanoic acid (PFHpA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoate (PFOA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorononanoic acid (PFNA)	Perfluorohexanoic acid (PFHxA)	6:2 Fluorotelomer Sulfonate (6:2 FTS)	N-ethyl-perfluorooctanesulfonamidoacetic acid	Perfluorooctanesulfonamide (PFOSA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
Units					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
EQL					0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.05	0.02	0.02	0.05	0.02	0.02
Drinking Water					NHMRC 2011				0.56 ⁵									
Recreational					NHMRC 2008				5.6 ⁵									
95% Protection of species					ANZG 2018			0.13 ⁵	220 ⁵									
Long-Term Irrigation					ANZECC 2000													
SMW_ENV083	SMW_ENV083	14-02-20	Zone 5b	ES2005421	<0.02	<0.02	0.11	0.23	0.12	0.58	<0.02	0.49	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV084	SMW_ENV084	14-02-20	Zone 5b	ES2005421	<0.02	<0.02	0.11	0.06	0.10	0.53	<0.02	0.44	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV087	SMW_ENV087	14-02-20	Zone 5b	ES2005421	<0.02	<0.02	<0.02	0.13	<0.01	0.04	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV088	SMW_ENV088	14-02-20	Zone 5b	ES2005421	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV089	SMW_ENV089	14-02-20	Zone 5b	ES2005421	<0.02	<0.02	<0.02	0.06	<0.01	0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV090_D	SMW_ENV090_D	16-03-20	Zone 5b	ES2009186	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV090_S	SMW_ENV090_S	16-03-20	Zone 5b	ES2009186	<0.02	<0.02	<0.02	0.09	0.02	0.09	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02

Golder | Douglas Partners (2021) Groundwater Monitoring Report -
 Stage 3 Locations, 00013/11180 Sydney Metro West 1791865-026-R-
 GWM Stage 3 RevC, dated 23 June 2021

Well ID	Sample ID	Area	Sample Date	General Parameters										Major Ions										Nutrients										
				Electrical Conductivity @ 25°C	pH (Lab)	Total Dissolved Solids @180°C	Hydrocarbon utilising bacteria	Pseudomonas aeruginosa	Sodium (Filtered)	Potassium (Filtered)	Calcium (Filtered)	Magnesium (Filtered)	Chloride	Fluoride	Sulphate (as SO4)	Bicarbonate Alkalinity (as CaCO3)	Carbonate Alkalinity (as CaCO3)	Hydroxide Alkalinity (as CaCO3)	Total Alkalinity (as CaCO3)	Total Anions	Total Cations	Ionic Balance (Lab)	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total Oxidised)	Ammonia (as N)	Total Kjeldahl Nitrogen (as N)	Nitrogen (Total)	Reactive Phosphorus (as P)	Total Phosphorus (as P)	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (Filtered)	
				Units	µS/cm	pH units	mg/L	CFU/mL	CFU/100mL	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	meq/L	%	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				EQL	1	0.01	5	1	1	0.5	0.5	0.5	0.5	1	0.1	1	1	1	1	1	0.01	0.01	0.01	10	10	10	10	200	200	10	10	1	0.1	1
Drinking Water	NHMRC 2011														1.5							50	3									10	2	
Recreational /Direct Contact	NHMRC 2008														15							500	30									100	20	
95% Protection of species	ANZG 2018																								910							24 ¹ / 13 ¹	5.5	
Long-Term Irrigation	ANZECC 2000					6-8.5									1											5000			50	100	10			
SMW_BH004_s	SMW_BH004_s	Parramatta	11/03/2020	339	6.79	202	-	-	56	2	6	8	26	0.2	31	92	<1	<1	92	3.22	3.44	3.42	1420	20	1420	<10	400	1800	<10	140	<1	<0.1	<1	
SMW_BH004_w	SMW_BH004_w	Parramatta	11/03/2020	3960	7.83	2180	-	-	592	21	108	56	1040	0.2	11	408	<1	<1	408	37.7	36.3	1.94	160	<10	160	160	200	400	10	90	<1	<0.1	<1	
SMW_BH048_s	SMW_BH048_s	Parramatta	11/03/2020	494	7.25	-	-	-	66	3	12	13	50	0.1	49	122	<1	<1	122	4.87	4.62	2.66	-	-	<10	120	200	200	<10	200	5	<0.1	<1	
FD11	SMW_BH048_s	Parramatta	11/03/2020	502	7.19	-	-	-	66	4	12	13	50	0.1	49	121	<1	<1	121	4.85	4.64	2.17	-	-	<10	120	100	100	<10	<10	5	<0.1	<1	
FT11	SMW_BH048_s	Parramatta	11/03/2020	490	6.9	51	-	-	3.7	10	12	47	51	-	-	110	<5	<5	110	-	-	-	-	-	<10	140	100	100	<10	<50	5	<0.1	<1	
SMW_BH048_W	SMW_BH048_W	Parramatta	11/03/2020	1590	7.67	-	-	-	271	11	59	20	362	0.3	24	407	<1	<1	407	18.8	16.6	6.15	-	-	<10	610	700	700	<10	30	<1	<0.1	<1	
SMW_BH024	SMW_BH024	SOP	8/04/2020	13800	7.36	8270	-	-	2250	28	306	295	4620	0.3	120	786	<1	<1	786	148	138	3.62	<10	40	3090	3500	3500	<10	310	2	<0.1	<1		
SMW_BH069	SMW_BH069	SOP	3/12/2019	15,700	7.63	8830	-	-	2610	34	276	344	5330	0.4	438	473	<1	<1	473	169	154	4.62	10	<10	10	2220	3600	3600	<10	30	3	<0.1	1	
SMW_BH070	SMW_BH070	SOP	4/12/2019	33,200	6.96	25,200	-	-	5060	75	1040	1050	11,900	0.3	864	603	<1	<1	603	366	360	0.74	<10	<10	<10	6890	7000	7000	<10	<50	4	<0.1	1	
SMW_BH120	SMW_BH120	SOP	4/10/2019	16,400	6.98	10,100	-	-	2770	42	233	358	5720	0.3	597	600	<1	<1	600	186	163	6.64	10	<10	<10	1640	1700	1700	<10	20	2	<0.1	<1	
SMW_BH121	SMW_BH121	SOP	3/10/2019	48,700	7.22	37,000	-	-	9400	100	1310	1310	21,400	0.2	2160	230	<1	<1	230	653	585	5.54	<50	<50	50	3430	3400	3400	<50	160	<10	<1	<10	
SMW_BH008	SMW_BH008	Westmead	25/06/2020	17400	7.3	12900	-	-	3540	54	294	515	6680	0.5	369	1080	<1	<1	1080	218	212	1.23	<10	20	20	3380	3300	3300	<10	<20	6	<0.1	<1	
SMW_ENV044_w	SMW_ENV044_w	Zone 1	20/11/2019	25,200	7.18	16,400	-	-	3940	44	957	709	8380	0.3	<1	947	<1	<1	947	255	279	4.36	<10	20	20	3570	3800	3800	40	30	<1	<0.1	<1	
SMW_ENV044_w	SMW_ENV044_w	Zone 1	23/03/2020	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SMW_ENV144	SMW_ENV144	Zone 1	25/11/2019	25400	7.83	15700	<10	-	3980	17	529	644	8260	-	292	567	<1	<1	567	250	253	0.5	<10	<10	<10	1270	1300	1300	<10	<20	2	<0.1	<1	
SMW_ENV144	SMW_ENV144	Zone 1	20/03/2020	26700	7.15	21300	-	<1	3990	15	468	683	9150	0.4	364	502	<1	<1	502	276	254	4.2	<100	<100	<100	1140	1000	1000	<50	150	4	<0.1	<1	
SMW_ENV148_W	SMW_ENV148_W	Zone 1	21/11/2019	29,200	7.14	16,300	-	-	4740	10	354	803	10,900	0.2	667	259	<1	<1	259	326	290	5.89	10	<10	10	350	<500	<10	<50	1	<0.1	<1		
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/11/2019	25,200	7.07	15,400	-	-	4500	10	290	722	8420	0.4	638	307	<1	<1	307	257	270	2.46	20	<10	20	720	800	800	<10	<10	2	<0.1	<1	
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/03/2020	-	-	-	-	-	-	-	-	-	-	-	622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SMW_ENV150_s	SMW_ENV150_s	Zone 1	20/11/2019	30,400	3.84	26,500	-	-	5570	84	608	1250	6510	0.3	12,200	<1	<1	<1	438	378	7.36	440	<100	440	8100	7000	7400	<10	40	69	8.4	60		
SMW_ENV150_w	SMW_ENV150_w	Zone 1	20/11/2019	59,000	7.53	43,600	-	-	11,400	117	1320	1580	18,900	0.2	4590	147	<1	<1	147	632	695	4.76	270	680	950	700	300	1200	<10	80	<10	<1	<10	
SMW_BH010	SMW_BH010	Zone 2	26/11/2019	25,100	7.45	18,700	-	-	3860	73	983	626	8460	0.2	592	393	<1	<1	393	259	270	2.78	<10	<10	<10	5660	6100	6100	<10	<20	1	<0.1	1	
SMW_ENV042	SMW_ENV042	Zone 2	26/11/2019	24,100	6.27	16,200	<10	-	4140	13	214	718	7830	<0.1	701	59	<1	<1	59	237	250	2.18	<10	<10	<10	730	1100	1100	<10	<20	<1	<0.1	1	
SMW_ENV145	SMW_ENV145	Zone 2	26/11/2019	25,400	6.96	16,700	-	-	4320	15	318	799	8360	0.2	782	217	<1	<1	217	256	270	2.56	<10	<10	<10	1370	1800	1800	<10	<20	1	<0.1	1	
SMW_BH043	SMW_BH043	Zone 3	20/08/2020	2550	7.55	1440	-	-	463	11	56	32	57	0.9	852	374	<1	<1	374	26.8	25.8	1.84	520	<10	520	30	200	800	<10	<20	<1	0.6	<1	
SMW_BH057	SMW_BH057	Zone 3	12/11/2019	11,600	7.25	6490	-	-	1880	45	366	297	3510	0.6	4	1000	<1	<1	1000	119	126	2.68	<10	<10	<10	2300	2400	2400	<10	40	17	<0.1	<1	
SMW_BH057_S	SMW_BH057_S	Zone 3	12/11/2019	588	6.98	366	-	-	75	12	21	20	43	0.1	70	162	<1	<1	162	5.91	6.26	2.92	100	<10	100	<10	200	300	<10	90	<1	<0.1	<1	
SMW_BH064	SMW_BH064	Zone 3	13/11/2019	6810	6.17	3410	-	-	1170	3	16	81	1760	0.9	418	50	<1	<1	50	59.3	58.4	0.78	<10	<10	<10	160	200	200	<10	<20	<1	<0.1	<1	
SMW_ENV009_W	SMW_ENV009_W	Zone 3	21/11/2019	1210	7.43	620	-	-	94	14	100	37	171	1	<5	400	<1	<1	400	12.8	12.5	1.32	10	<10	10	6350	7900	7900	<50	640	20	<0.1	<1	
SMW_ENV010	SMW_ENV010	Zone 3	12/11/2019	1020	7.12	540	-	-	86	13	103	24	62	0.5	<1	444	<1	<1	444	10.6	11.2	2.6	<10	<10	<10	5800	6600	6600	<100	140	49	<0.1	<1	
SMW_ENV011_W	SMW_ENV011_W	Zone 3	21/11/2019	1340	6.46	673	-	-	192	26	13	30	171	0.2	279	179	<1	<1	179	14.2	12.1	7.88	10	<10	10	3320	5100	5100	<50	30	13	<0.1	<1	
SMW_ENV039_w	SMW_ENV039_w	Zone 3	29/11/2019	33,200	6.95	25,800	<10	-	5960	23	403	1060	11,400	0.2	1770	460	<1	<1	460	368	367	0.06	<10	<10	<10	1190	1700	1700	<100	120	<10	<1	<10	
SMW_ENV																																		

Golder | Douglas Partners (2021) Groundwater Monitoring Report -
 Stage 3 Locations, 00013/11180 Sydney Metro West 1791865-026-R-
 GWM Stage 3 RevC, dated 23 June 2021

				Organochlorine Pesticides																																
Well ID	Sample ID	Area	Sample Date	NL	Naphthalene	Total BTEX	p,p-DDE	p,p-BHC	Aldrin	Dieldrin	Aldrin & Dieldrin (Sum of total) (Lab Report)	p,p-BHC	cis-Chlordane	trans-Chlordane	Chlordane (Sum of total)	p,p-BHC	DDD	DDE	DDT	DDT+DDE+DDD (Sum of total) (Lab Report)	Endosulfan I	Endosulfan II	Endosulfan (as sum of Endosulfan I and Endosulfan II)	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	p,p-BHC	Hepachlor	Hepachlor epoxide	Hexachlorobenzene	Methoxychlor	Azinphos-methyl	Chromophos-ethyl		
					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	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	µg/L	
					EQL	1-5*	2	2	2	2	4	2	0.5	0.5	0.5	2	2	0.5	4	4	2	2	-	2	2	0.5	0.5	2	2	2	4	2	0.5	0.5		
Drinking Water	NHMRC 2011										0.3				2				9				20					10	0.3			300	30	10		
Recreational /Direct Contact	NHMRC 2008										3				20				90				200					100	3			3000	300	100		
95% Protection of species	ANZG 2018				70				0.003 ¹	0.01 ^{3,4}					0.001 ¹				0.0004 ¹				0.01		0.008		0.007 ³	0.0004 ¹		0.1 ¹	0.004 ¹	0.02 ^{3,4}				
Long-Term Irrigation	ANZECC 2000																																			
SMW_BH004_s	SMW_BH004_s	Parramatta	11/03/2020	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SMW_BH004_w	SMW_BH004_w	Parramatta	11/03/2020	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SMW_BH048_s	SMW_BH048_s	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FD11	SMW_BH048_s	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FT11	SMW_BH048_s	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH048_W	SMW_BH048_W	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH024	SMW_BH024	SOP	8/04/2020	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH069	SMW_BH069	SOP	3/12/2019	<5	2	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_BH070	SMW_BH070	SOP	4/12/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_BH120	SMW_BH120	SOP	4/10/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_BH121	SMW_BH121	SOP	3/10/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_BH008	SMW_BH008	Westmead	25/06/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV044_w	SMW_ENV044_w	Zone 1	20/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_ENV044_w	SMW_ENV044_w	Zone 1	23/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV144	SMW_ENV144	Zone 1	25/11/2019	-	<1	<2	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	-	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_ENV144	SMW_ENV144	Zone 1	20/03/2020	-	<1	<2	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	-	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_ENV148_W	SMW_ENV148_W	Zone 1	21/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	-	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	-	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV150_s	SMW_ENV150_s	Zone 1	20/11/2019	<5	14	<2	<2	<2	<2	<4	<2	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_ENV150_w	SMW_ENV150_w	Zone 1	20/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_BH010	SMW_BH010	Zone 2	26/11/2019	<1	<1	<2	<2	<2	<2	<4	<2	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV042	SMW_ENV042	Zone 2	26/11/2019	<5	<1	<2	<2	<2	<2	<4	<2	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV145	SMW_ENV145	Zone 2	26/11/2019	<5	<1	<2	<2	<2	<2	<4	<2	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_BH043	SMW_BH043	Zone 3	20/08/2020	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH057	SMW_BH057	Zone 3	12/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<4	-	-	-
SMW_BH057_S	SMW_BH057_S	Zone 3	12/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<4	-	-	-	
SMW_BH064	SMW_BH064	Zone 3	13/11/2019	<5	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV009_W	SMW_ENV009_W	Zone 3	21/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV010	SMW_ENV010	Zone 3	12/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV011_W	SMW_ENV011_W	Zone 3	21/11/2019	<5	<1	-	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV039_w	SMW_ENV039_w	Zone 3	29/11/2019	<5	<1	<2	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV076	SMW_ENV076	Zone 3	26/11/2019	<5	121	<2	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV077	SMW_ENV077	Zone 3	13/11/2019	<5	<1	<2	<2	<2	<2	<4	<2	-	-	-	-	<2	<2	<2	<4	<4	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<4	-	-	-	-
SMW_ENV078	SMW_ENV078	Zone 3	13/11/2019	<5	<1																															

				Organophosphorous Pesticides																				P2												
				Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Demeton-s-methyl	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenitrothion	Fenamiphos	Fenitrothion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Pirimphos-ethyl	Prothiofos	Romel	Benzo(a)pyrene (TEQs)	Benzo(b+i) & Benzo(k)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (lower bound)*	Benzo(b,i,j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene			
				Units	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	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			
				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	2	2	2	0.5	0.5	0.5	5	4	1	1	1	1	0.5	0.5	1	1	1		
Drinking Water	NHMRC 2011			0.5	2	10			4	5	7	4	7	0.5	7	70	0.7	2	20	0.5									0.01							
Recreational /Direct Contact	NHMRC 2008			5	20	100			40	50	70	40	70	5	70	700	7	20	200	5									0.1							
95% Protection of species	ANZG 2018					0.009		0.3	0.01 ^{3,4}		0.15 ^{3,4}		0.001 ³			0.03 ^{3,4}		0.004 ^{3,4}								0.4		0.2 ¹								
Long-Term Irrigation	ANZECC 2000																																			
Well ID	Sample ID	Area	Sample Date																																	
SMW_BH004_s	SMW_BH004_s	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH004_w	SMW_BH004_w	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH048_5	SMW_BH048_5	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
FD11	SMW_BH048_5	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
FT11	SMW_BH048_5	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH048_W	SMW_BH048_W	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH024	SMW_BH024	SOP	8/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH069	SMW_BH069	SOP	3/12/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH070	SMW_BH070	SOP	4/12/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH120	SMW_BH120	SOP	4/10/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH121	SMW_BH121	SOP	3/10/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH008	SMW_BH008	Westmead	25/06/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV044_w	SMW_ENV044_w	Zone 1	20/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1			
SMW_ENV044_w	SMW_ENV044_w	Zone 1	23/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV144	SMW_ENV144	Zone 1	25/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV144	SMW_ENV144	Zone 1	20/03/2020	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV148_W	SMW_ENV148_W	Zone 1	21/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV150_s	SMW_ENV150_s	Zone 1	20/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV150_w	SMW_ENV150_w	Zone 1	20/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH010	SMW_BH010	Zone 2	26/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV042	SMW_ENV042	Zone 2	26/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV145	SMW_ENV145	Zone 2	26/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH043	SMW_BH043	Zone 3	20/08/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH057	SMW_BH057	Zone 3	12/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH057_5	SMW_BH057_5	Zone 3	12/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_BH064	SMW_BH064	Zone 3	13/11/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV009_W	SMW_ENV009_W	Zone 3	21/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV010	SMW_ENV010	Zone 3	12/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV011_W	SMW_ENV011_W	Zone 3	21/11/2019	-	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV039_w	SMW_ENV039_w	Zone 3	29/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV076	SMW_ENV076	Zone 3	26/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV077	SMW_ENV077	Zone 3	13/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
SMW_ENV078	SMW_ENV078	Zone 3	13/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1		
QA131119 ²	SMW_ENV078	Zone 3	13/11/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<4	<1	<1	<1	<1	<0							

Golder | Douglas Partners (2021) Groundwater Monitoring Report -
 Stage 3 Locations, 00013/11180 Sydney Metro West 1791865-026-R-
 GWM Stage 3 RevC, dated 23 June 2021

				SVOCs																														
				Trichloroethene	Tetrachloroethene	Trichlorofluoromethane	Vinyl chloride	Nitrosamines				Nitroaromatics			Nitrobenzene		Polycyclic Aromatic Hydrocarbons (PAHs)		Phthalates		Other SVOCs													
				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	µg/L	µg/L	µg/L	µg/L	µg/L											
				Units	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	µg/L	µg/L	µg/L	µg/L											
				EQL	5	5	50	50	2	2	2	2	2	4	4	4	2	2	2	2	2	2	2	10										
Drinking Water	NHMRC 2011			50																				10										
Recreational /Direct Contact	NHMRC 2008			500																				100										
95% Protection of species	ANZG 2018			330 ³	70 ³		100 ¹										250 ⁸		1 ¹⁸	65 ⁸	2													
Long-Term Irrigation	ANZECC 2000																																	
Well ID	Sample ID	Area	Sample Date	Trichloroethene	Tetrachloroethene	Trichlorofluoromethane	Vinyl chloride	N-Nitrosomethylethylamine	N-Nitrosodimethylamine	N-Nitrosodi-n-butylamine	N-Nitrosodi-n-propylamine	N-Naphthylamine	N-Nitrosodiphenylamine & Diphenylamine	N-Nitroaniline	β-Nitroaniline	α-Chloroaniline	2-methyl-5-nitroaniline	Nitroaniline	Aniline	Nitrobenzene	Pentachloronitrobenzene	1,3,5-Trinitrobenzene	2,4-Dinitrotoluene	2,6-Dinitrotoluene	Pentachlorobenzene	Phenamide	Chlorophthalene	β-Methylcholanthrene	1,12-Dimethylbenz(a)anthracene	Carbazole	Chlorobenzilate	Bis(2-ethylhexyl) phthalate		
SMW_BH004_s	SMW_BH004_s	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SMW_BH004_w	SMW_BH004_w	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SMW_BH048_5	SMW_BH048_5	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FD11	SMW_BH048_5	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FT11	SMW_BH048_5	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SMW_BH048_W	SMW_BH048_W	Parramatta	11/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH024	SMW_BH024	SOP	8/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH069	SMW_BH069	SOP	3/12/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH070	SMW_BH070	SOP	4/12/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH120	SMW_BH120	SOP	4/10/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH121	SMW_BH121	SOP	3/10/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH008	SMW_BH008	Westmead	25/06/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV044_w	SMW_ENV044_w	Zone 1	20/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV044_w	SMW_ENV044_w	Zone 1	23/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV144	SMW_ENV144	Zone 1	25/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV144	SMW_ENV144	Zone 1	20/03/2020	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV148_W	SMW_ENV148_W	Zone 1	21/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV150_s	SMW_ENV150_s	Zone 1	20/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV150_w	SMW_ENV150_w	Zone 1	20/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH010	SMW_BH010	Zone 2	26/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV042	SMW_ENV042	Zone 2	26/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV145	SMW_ENV145	Zone 2	26/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH043	SMW_BH043	Zone 3	20/08/2020	<S	<S	<S0	<S0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH057	SMW_BH057	Zone 3	12/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH057_5	SMW_BH057_5	Zone 3	12/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_BH064	SMW_BH064	Zone 3	13/11/2019	<S	<S	<S0	<S0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV009_W	SMW_ENV009_W	Zone 3	21/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV010	SMW_ENV010	Zone 3	12/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV011_W	SMW_ENV011_W	Zone 3	21/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV039_w	SMW_ENV039_w	Zone 3	29/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV076	SMW_ENV076	Zone 3	26/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV077	SMW_ENV077	Zone 3	13/11/2019	<S	<S	<S0	<S0	<2	<2	<2	<2	<2	<4	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<4	<4	<2	<2	<2	<2	<2	<2	<2	<2	<10
SMW_ENV078	SMW_ENV078	Zone 3																																

Golder | Douglas Partners (2021) Groundwater Monitoring Report -
 Stage 3 Locations, 00013/11180 Sydney Metro West 1791865-026-R-
 GWM Stage 3 Rev.C, dated 23 June 2021

		Per- and polyfluoroalkyl substances (PFAS)																											
		N-Me-FOSA	N-Me-FOSE	Perfluorobutanoic acid (PFBA)	Perfluorohexanoic acid	Perfluorooctanoic acid (PFPeA)	Perfluorodecanoic acid	PFDS	N-methyl-perfluorooctanesulfonamidoacetate	Sum of PFHxS and PFOS (lab reported)	Sum of WA DER PFAS (n=10)	Sum of PFASs (n=28)	Perfluorobutanesulfonic acid (PFBS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDA)	Perfluorododecanoic acid (PFDA)	Perfluorododecanoic acid (PFDA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoate (PFOA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorooctanoic acid (PFNA)	Perfluorohexanoic acid (PFHxA)	6:2 Fluorotelomer Sulfonate (6:2 FT5)	N-ethyl-perfluorooctanesulfonamidoacetate	Perfluorooctanesulfonamide (PFOSA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTDA)	Perfluoroundecanoic acid (PFUnA)	
	Units	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	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	0.05	0.05	0.1	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.05	0.02	0.02	0.05	0.02	0.02	0.02
Drinking Water	NHMRC 2011									0.07 ³									0.56 ³										
Recreational /Direct Contact	NHMRC 2008									0.7 ³									5.6 ³										
95% Protection of species	ANZG 2018																	0.13 ³	220 ³										
Long-Term Irrigation	ANZECC 2000																												
Well ID	Sample ID	Area	Sample Date																										
SMW_BH004_s	SMW_BH004_s	Parramatta	11/03/2020	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	0.03	0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_BH004_w	SMW_BH004_w	Parramatta	11/03/2020	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_BH048_5	SMW_BH048_5	Parramatta	11/03/2020	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
FD11	SMW_BH048_5	Parramatta	11/03/2020	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
FT11	SMW_BH048_5	Parramatta	11/03/2020								0.02		0.03					0.01	0.02				<0.01		<0.01				
SMW_BH048_W	SMW_BH048_W	Parramatta	11/03/2020	<0.05	<0.05	<0.1	<0.02	0.04	<0.02		0.01	0.12	0.36	<0.02	<0.02	<0.02	<0.02	0.01	0.03	<0.02	<0.02	0.04	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_BH024	SMW_BH024	SOP	8/04/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_BH069	SMW_BH069	SOP	3/12/2019	-	-	<0.1	-	<0.02	-	-	<0.01	<0.01	-	<0.02	-	-	<0.02	<0.01	<0.01	<0.02	-	<0.02	<0.05	-	<0.02	<0.05	-	-	-
SMW_BH070	SMW_BH070	SOP	4/12/2019	-	-	<0.25	-	<0.05	-	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	-	-
SMW_BH120	SMW_BH120	SOP	4/10/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05
SMW_BH121	SMW_BH121	SOP	3/10/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05
SMW_BH008	SMW_BH008	Westmead	25/06/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV044_w	SMW_ENV044_w	Zone 1	20/11/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05
SMW_ENV044_w	SMW_ENV044_w	Zone 1	23/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV144	SMW_ENV144	Zone 1	25/11/2019	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	0.33	0.33	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	0.28	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_ENV144	SMW_ENV144	Zone 1	20/03/2020	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_ENV148_W	SMW_ENV148_W	Zone 1	21/11/2019	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/11/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05
SMW_ENV149_w	SMW_ENV149_w	Zone 1	20/03/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMW_ENV150_s	SMW_ENV150_s	Zone 1	20/11/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	0.08	0.08	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05
SMW_ENV150_w	SMW_ENV150_w	Zone 1	20/11/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05
SMW_BH010	SMW_BH010	Zone 2	26/11/2019	-	-	<0.2	-	<0.05	-	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	-	-
SMW_ENV042	SMW_ENV042	Zone 2	26/11/2019	-	-	<0.2	-	<0.05	-	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	-	-
SMW_ENV145	SMW_ENV145	Zone 2	26/11/2019	-	-	<0.2	-	<0.05	-	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	-	-
SMW_BH043	SMW_BH043	Zone 3	20/08/2020	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_BH057	SMW_BH057	Zone 3	12/11/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05
SMW_BH057_5	SMW_BH057_5	Zone 3	12/11/2019	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	0.03	<0.01	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_BH064	SMW_BH064	Zone 3	13/11/2019	<0.05	<0.05	0.3	<0.02	2.07	<0.02	<0.02	<0.02	<0.01	3.43	3.43	<0.02	<0.02	<0.02	0.04	<0.01	<0.01	<0.02	<0.02	1.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV009_W	SMW_ENV009_W	Zone 3	21/11/2019	<0.05	<0.05	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.01	0.16	0.16	0.09	<0.02	<0.02	<0.02	<0.01	0.01	<0.02	<0.02	0.03	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02
SMW_ENV010	SMW_ENV010	Zone 3	12/11/2019	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_ENV011_W	SMW_ENV011_W	Zone 3	21/11/2019	<0.05	<0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02
SMW_ENV039_w	SMW_ENV039_w	Zone 3	29/11/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05
SMW_ENV076	SMW_ENV076	Zone 3	26/11/2019	-	-	<0.2	-	<0.05	-	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	<0.05	-	-	-
SMW_ENV077	SMW_ENV077	Zone 3	13/11/2019	<0.12	<0.12	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05
SMW_ENV078																													

Lab report	Location	Field_ID	Zone	Sampled date	Benzene	Toluene	Ethylbenzene	Xylenes (m & p)	Xylene (o)	Xylenes (Sum of total) (Lab Reported)	Total BTEX	Perfluorodecane sulfonic acid (PFDS)	Perfluoro-n-hexadecanoic acid	N-Methyl PFO sulfonamidoethanol (MeFOSE)	N-methyl-PFO sulfonamidoacetic acid (MeFOSAA)	Perfluorooctanoic Acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS (lab reported)	Sum of US EPA PFAS (PFOS + PFOA)	Sum of WA DER PFAS (n=10)	Sum of PFASs (n=28 - Lab Reported)	Perfluorobutanoic acid (PFBA)	
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LOR					0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.005	0.005	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.01	
ANZG (2018)					0.95	0.18	0.08	0.075	0.35							19	0.00023							
ANZG (2018)					0.7	0.18	0.08	0.075								19	0.00023							
ES2201886	SMW_ENV144	SMW_ENV144	Zone 1	20/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2207007	SMW_ENV145	SMW_ENV145	Zone 2	28/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2202069	SMW_ENV149	QCA2200	Zone 1	21/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2202069	SMW_ENV149	SMW_ENV149	Zone 1	21/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2206504	SMW_ENV150	ENE 150	Zone 1	23/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2206504	SMW_ENV150S	ENV 150S	Zone 1	23/02/2022	<0.001	<0.002	<0.002	0.002	<0.002	0.002	0.002	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.04	0.04	-	0.04	0.04	<0.1	
ES2204649	SMW_ENV201	SMW_ENV201	Zone 5	10/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.17	0.17	0.22	0.39	-	0.89	0.95	<0.1	
ES2204649	SMW_ENV202	SMW_ENV202	Zone 5	10/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.93	2.31	2.2	4.51	-	6.42	6.92	<0.1	
ES2204808	SMW_ENV204	SMW_ENV204	Zone 1	11/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2205287	SMW_ENV206	QCB 3000	Zone 1	15/02/2022	<0.001	<0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.03	0.03	<0.01	-	0.03	<0.02	
289094	SMW_ENV206	SMW_ENV206	Zone 1	15/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	0.01	0.04	0.05	-	0.05	0.05	<0.1	
ES2205079	SMW_ENV207	SMW_ENV207	Zone 1	14/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.04	0.14	0.39	0.53	-	1.2	1.24	0.2	
ES2205079	SMW_ENV208	SMW_ENV208	Zone 1	14/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.01	0.01	0.08	0.09	-	0.1	0.1	<0.1	
ES2205287	SMW_ENV209	QCA 3000	Zone 1	15/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.08	0.73	0.9	1.63	-	3.05	3.22	0.2	
ES2205287	SMW_ENV209	SMW_ENV209	Zone 1	15/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.08	0.82	0.65	1.47	-	2.46	2.58	0.1	
ES2205287	SMW_ENV210	SMW_ENV210	Zone 1	15/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2203726	SMW_ENV218	SMW_ENV218	Zone 5	3/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.05	0.21	0.14	0.35	-	0.58	0.58	<0.1	
ES2203272	SMW_ENV219	QCB2400	Zone 5	31/01/2022	<0.001	<0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.02
287872	SMW_ENV219	SMW_ENV219	Zone 5	31/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1
ES2201771	SMW_ENV220	QCB200	Zone 5	10/01/2022	<0.001	<0.001	0.02	0.067	0.018	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.02
287030	SMW_ENV220	SMW_ENV220	Zone 5	18/01/2022	<0.001	<0.002	0.019	0.07	0.019	0.089	0.108	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1
ES2136318	SMW_ENV222	SMW_ENV222	Zone 1	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2141490	SMW_ENV223	QCA800	Zone 1	16/11/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.03	0.03	-	0.05	0.05	<0.1	
ES2141490	SMW_ENV223	SMW_ENV223	Zone 1	16/11/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.03	0.03	-	0.05	0.05	<0.1	
ES2204043	SMW_ENV224	SMW_ENV224	Zone 1	7/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.03	0.02	0.04	0.04	-	0.13	0.13	<0.1	
ES2136318	SMW_ENV226	QCA100	Zone 1	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2136318	SMW_ENV226	SMW_ENV226	Zone 1	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2136318	SMW_ENV227	QCB100	Zone 1	8/10/2021	<0.001	<0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.02
280117	SMW_ENV227	SMW_ENV227	Zone 1	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2143117	SMW_ENV229	SMW_ENV229	Zone 1	26/11/2021	<0.001	0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.02	-	<0.05	<0.02	1.01	0.54	3.3	3.84	-	9.69	10.4	0.3	
ES2136318	SMW_ENV231	SMW_ENV231	Zone 1	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.02	0.03	0.1	0.13	-	0.24	0.24	<0.1	
ES2204043	SMW_ENV232	SMW_ENV232	Zone 1	7/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.02	0.02	0.02	0.04	-	0.06	0.06	<0.1	
ES2206504	SMW_ENV234	ENV 234	Zone 1	23/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.11	0.06	0.03	0.09	-	0.58	0.58	<0.1	
ES2205839	SMW_ENV238	QCA3100	Zone 1	21/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2205839	SMW_ENV238	SMW_ENV238	Zone 1	21/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2201771	SMW_ENV242	QCA2100	Zone 1	18/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.05	0.13	0.97	1.1	-	3.69	3.92	0.1	
ES2201771	SMW_ENV242	SMW_ENV242	Zone 1	18/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.06	0.05	1.15	1.2	-	4.3	4.56	0.2	
ES2143117	SMW_ENV243	SMW_ENV243	Zone 1	26/11/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.05	0.49	0.32	0.81	-	1.97	2.01	<0.1	
ES2136472	SMW_ENV247	QCA400	Zone 1	11/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES21																								

Lab report	Location	Field_ID	Zone	Sampled date	Benzene	Toluene	Ethylbenzene	Xylenes (m & p)	Xylene (o)	Xylenes (Sum of total) (Lab Reported)	Total BTEX	Perfluorodecane sulfonic acid (PFDS)	Perfluoro-n-hexadecanoic acid	N-Methyl PFO sulfonamidoethanol (MeFOSE)	N-methyl-PFO sulfonamidoacetic acid (MeFOSAA)	Perfluorooctanoic Acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS (lab reported)	Sum of US EPA PFAS (PFOS + PFOA)	Sum of WA DER PFAS (n=10)	Sum of PFASs (n=28 - Lab Reported)	Perfluorobutanoic acid (PFBA)
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LOR					0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.005	0.005	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.01
ANZG (2018)					0.95	0.18	0.08	0.075	0.35							19	0.00023						
ANZG (2018)					0.7	0.18	0.08	0.075								19	0.00023						
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	<0.001	<0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.01	0.01	<0.01	-	0.02	<0.02
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.02	0.02	-	0.02	0.02	<0.1
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	<0.001	0.008	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.02
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.01	0.02	0.04	0.04	-	0.05	0.05	<0.1
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	0.1	0.1	<0.1
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.08	<0.01	0.76	0.76	-	2.52	3.08	0.1
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	0.05	0.05	<0.1
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.08	0.02	<0.01	0.02	-	1.14	1.14	<0.1
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.07	<0.01	<0.01	<0.01	-	0.99	0.99	<0.1
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	<0.001	<0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	-	0.05	<0.02
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	0.03	0.03	<0.1
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.001	<0.002	0.004	<0.002	<0.002	<0.002	0.004	<0.02	-	<0.05	<0.02	0.01	<0.01	0.04	0.04	-	0.05	0.05	<0.1
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.001	0.005	<0.002	<0.002	<0.002	<0.002	0.005	<0.02	-	<0.05	<0.02	0.01	<0.01	0.02	0.02	-	0.03	0.03	<0.1
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	<0.001	0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.02
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.01	<0.01	0.05	0.05	-	0.21	0.25	<0.1
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.02	<0.01	<0.01	<0.01	-	0.02	0.02	<0.1
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	0.004	<0.002	<0.002	0.004	<0.002	0.004	0.008	<0.02	-	<0.05	<0.02	0.02	0.02	0.02	0.02	-	0.15	0.15	<0.1
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2136518	SMW_ENV801S	QCA300	Zone 2	11/10/2021	<0.005	<0.005	0.006	0.008	<0.005	0.008	0.014	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2136472	SMW_ENV801S	SMW_ENV801S	Zone 2	11/10/2021	<0.001	<0.002	<0.002	0.002	<0.002	0.002	0.002	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.02	0.02	-	0.02	0.02	<0.1
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	0.02	0.02	-	0.04	0.04	<0.1
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.001	0.333	<0.002	0.002	<0.002	0.002	0.335	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2136722	SMW_ENV811	QCB400	Zone 2	12/10/2021	<0.001	0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.02
280299	SMW_ENV811	SMW_ENV811	Zone 2	12/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1
ES2136132	SMW_ENV812	SMW_ENV812	Zone 2	7/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	&	

Lab report	Location	Field ID	Zone	Sampled date	Benzene	Toluene	Ethylbenzene	Xylenes (m & p)	Xylene (o)	Xylenes (Sum of total) (Lab Reported)	Total BTEX	Perfluorodecane sulfonic acid (PFDS)	Perfluoro-n-hexadecanoic acid	N-Methyl PFO sulfonamidoethanol (MeFOSE)	N-methyl-PFO sulfonamidoacetic acid (MeFOSAA)	Perfluorooctanoic Acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS (lab reported)	Sum of US EPA PFAS (PFOS + PFOA)	Sum of WA DER PFAS (n=10)	Sum of PFASs (n=28 - Lab Reported)	Perfluorobutanoic acid (PFBA)	
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LOR					0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.002	0.005	0.005	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.01	
ANZG (2018)					0.95	0.18	0.08	0.075	0.35							19	0.00023							
ANZG (2018)					0.7	0.18	0.08	0.075								19	0.00023							
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.001	0.003	<0.002	<0.002	<0.002	<0.002	0.003	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2137931	SMW_WTP_BH14	QCBS500	Zone 2	20/10/2021	<0.001	0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.02
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.001	0.006	<0.002	<0.002	<0.002	<0.002	0.006	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	0.12	0.12	<0.1	
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.005	0.005	<0.005	<0.005	<0.005	<0.002	0.005	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	<0.02	-	<0.05	<0.02	0.01	<0.01	0.05	0.05	-	0.06	0.06	<0.1	
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.001	0.004	<0.002	<0.002	<0.002	<0.002	0.004	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	0.02	0.02	<0.1	
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.02	<0.01	-	<0.01	<0.01	<0.1	
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	0.23	0.03	0.26	-	0.26	0.26	<0.1	
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.1	
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	<0.001	<0.001	<0.001	<0.002	<0.001	-	-	<0.02	-	<0.05	<0.02	0.03	0.1	0.76	0.86	0.12	-	2	0.07	
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.02	-	<0.05	<0.02	0.02	0.03	0.75	0.78	-	1.8	2.1	<0.1	

Lab report	Location	Field_ID	Zone	Sampled date	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorodecanoic acid (PFDA)	Perfluoropentanoic acid (PFPeA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTroDA)	Perfluorododecanoic acid (PFDDoDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorooheptane sulfonic acid (PFHPS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorobutane sulfonic acid (PFBS)	4:2 Fluorotelomer sulfonic acid (4:2 FTSA)	6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)	N-Ethyl PFO sulfonamide (EFOSA)	N-Ethyl PFO sulfonamide ethanol (EFOSE)	N-Methyl PFO sulfonamide (MeFOSA)
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LOR					0.002	0.002	0.002	0.002	0.002	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005
ANZG (2018)																							
ANZG (2018)																							
ES2201886	SMW_ENV144	SMW_ENV144	Zone 1	20/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2207007	SMW_ENV145	SMW_ENV145	Zone 2	28/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2202069	SMW_ENV149	QCA2200	Zone 1	21/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2202069	SMW_ENV149	SMW_ENV149	Zone 1	21/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2206504	SMW_ENV150	ENE 150	Zone 1	23/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2206504	SMW_ENV150S	ENV 150S	Zone 1	23/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2204649	SMW_ENV201	SMW_ENV201	Zone 5	10/02/2022	0.14	0.04	<0.02	0.11	<0.02	<0.05	<0.02	<0.02	<0.02	0.03	0.03	0.04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2204649	SMW_ENV202	SMW_ENV202	Zone 5	10/02/2022	0.48	0.06	<0.02	0.1	<0.02	<0.05	<0.02	<0.02	<0.02	0.24	0.26	0.34	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2204808	SMW_ENV204	SMW_ENV204	Zone 1	11/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205287	SMW_ENV206	QCB 3000	Zone 1	15/02/2022	<0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5
289094	SMW_ENV206	SMW_ENV206	Zone 1	15/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205079	SMW_ENV207	SMW_ENV207	Zone 1	14/02/2022	0.15	0.06	<0.02	0.15	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	0.04	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205079	SMW_ENV208	SMW_ENV208	Zone 1	14/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205287	SMW_ENV209	QCA 3000	Zone 1	15/02/2022	0.36	0.2	<0.02	0.37	<0.02	<0.05	<0.02	<0.02	<0.02	0.08	0.09	0.11	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205287	SMW_ENV209	SMW_ENV209	Zone 1	15/02/2022	0.25	0.16	<0.02	0.27	<0.02	<0.05	<0.02	<0.02	<0.02	0.06	0.06	0.07	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205287	SMW_ENV210	SMW_ENV210	Zone 1	15/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2203726	SMW_ENV218	SMW_ENV218	Zone 5	3/02/2022	0.08	0.02	<0.02	0.04	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2203272	SMW_ENV219	QCB2400	Zone 5	31/01/2022	<0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5
287872	SMW_ENV219	SMW_ENV219	Zone 5	31/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2201771	SMW_ENV220	QCB200	Zone 5	10/01/2022	<0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5
287030	SMW_ENV220	SMW_ENV220	Zone 5	18/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV222	SMW_ENV222	Zone 1	8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2141490	SMW_ENV223	QCA800	Zone 1	16/11/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2141490	SMW_ENV223	SMW_ENV223	Zone 1	16/11/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2204043	SMW_ENV224	SMW_ENV224	Zone 1	7/02/2022	0.04	<0.02	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV226	QCA100	Zone 1	8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV226	SMW_ENV226	Zone 1	8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV227	QCB100	Zone 1	8/10/2021	<0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5
280117	SMW_ENV227	SMW_ENV227	Zone 1	8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2143117	SMW_ENV229	SMW_ENV229	Zone 1	26/11/2021	1.71	0.36	<0.02	0.6	0.04	<0.05	<0.02	<0.02	<0.02	0.04	0.68	1.87	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV231	SMW_ENV231	Zone 1	8/10/2021	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2204043	SMW_ENV232	SMW_ENV232	Zone 1	7/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2206504	SMW_ENV234	ENV 234	Zone 1	23/02/2022	0.1	0.08	<0.02	0.2	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205839	SMW_ENV238	QCA3100	Zone 1	21/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2205839	SMW_ENV238	SMW_ENV238	Zone 1	21/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2201771	SMW_ENV242	QCA2100	Zone 1	18/01/2022	1.01	0.2	<0.02	0.91	<0.02	<0.05	<0.02	<0.02	<0.02	0.04	0.19	0.32	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2201771	SMW_ENV242	SMW_ENV242	Zone 1	18/01/2022	1.19	0.23	<0.02	1.04	<0.02	<0.05	<0.02	<0.02	<0.02	0.04	0.22	0.38	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2143117	SMW_ENV243	SMW_ENV243	Zone 1	26/11/2021	0.34	0.19	<0.02	0.42	<0.02	<0.05	<0.02	<0.02	<0.02	0.04	0.08	0.08	<0.05	0.08	<0.05	<0.05	<		

Lab report	Location	Field_ID	Zone	Sampled date	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorodecanoic acid (PFDA)	Perfluoropentanoic acid (PFPeA)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTroDA)	Perfluorododecanoic acid (PFDDoDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorooheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorobutane sulfonic acid (PFBS)	4:2 Fluorotelomer sulfonic acid (4:2 FTSA)	6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	10:2 Fluorotelomer sulfonic acid (10:2 FTSA)	N-Ethyl PFO sulfonamide (EFOSA)	N-Ethyl PFO sulfonamide diethanol (EFOSD)	N-Methyl PFO sulfonamide (MeFOSA)
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					0.002	0.002	0.002	0.002	0.002	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5	<0.05
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	<0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5	<0.05
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	0.02	<0.02	<0.02	0.03	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	0.56	0.09	<0.02	0.13	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	0.56	0.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.02	<0.02	<0.02	0.03	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	0.31	0.16	<0.02	0.57	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	0.28	0.14	<0.02	0.5	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	0.02	<0.01	<0.02	0.03	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5	<0.05
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	<0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.1	<0.5	<0.05
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	0.07	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	0.04	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	0.03	<0.02	<0.02	0.03	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136518	SMW_ENV801S	QCA300	Zone 2	11/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136472	SMW_ENV801S	SMW_ENV801S	Zone 2	11/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ES2136722	SMW_ENV811	QCB400	Zone 2	12/10/2021	<0.01	<0.01	<0.02	<0.02	<0.01	<0.5	<0.1	<0.05	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.1	<0.5	<0.05
280299	SMW_ENV811	SMW_ENV811	Zone 2	12/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02									

Lab report	Location	Field_ID	Zone	Sampled date	Perfluorooctane sulfonamide (FOSA)	N-ethyl-PFO sulfonamidoacetic acid (EFOSAA)	TRH+C10 - C40 (Sum of total) (Lab Reported)	TRH C6 - C10 Fraction F1	TRH C6 - C10 Fraction Less BTEX F1	TRH >C10 - C16 Fraction F2	TRH >C10 - C16 Fraction Less Naphthalene F2	TRH >C16 - C34 Fraction F3	TRH >C34 - C40 Fraction F4	TRH C6 - C9 Fraction	TRH C10 - C14 Fraction	TRH C15 - C28 Fraction	TRH C29 - C36 Fraction	TRH+C10 - C36 (Sum of total) (Lab Reported)	Enterococci	Faecal Coliforms	n-Nitrosodiethylamine	N-Nitrosodi-n-butylamine	N-Nitrosodi-n-propylamine
					ug/L	ug/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	CFU/100 ml	cfu/100ml
LOR					0.002	0.002	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.01	0.05	0.1	0.05	0.05	1	1	0.002	0.002	0.002
ANZG (2018)																							
ANZG (2018)																							
ES2201886	SMW_ENV144	SMW_ENV144	Zone 1	20/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2207007	SMW_ENV145	SMW_ENV145	Zone 2	28/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2202069	SMW_ENV149	QCA2200	Zone 1	21/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.06	-	-	<0.002	<0.002	<0.002
ES2202069	SMW_ENV149	SMW_ENV149	Zone 1	21/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.06	-	-	<0.002	<0.002	<0.002
ES2206504	SMW_ENV150	ENE 150	Zone 1	23/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2206504	SMW_ENV150S	ENV 150S	Zone 1	23/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2204649	SMW_ENV201	SMW_ENV201	Zone 5	10/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2204649	SMW_ENV202	SMW_ENV202	Zone 5	10/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2204808	SMW_ENV204	SMW_ENV204	Zone 1	11/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2205287	SMW_ENV206	QCB 3000	Zone 1	15/02/2022	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	<1	-	<0.005	<0.005
289094	SMW_ENV206	SMW_ENV206	Zone 1	15/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	<1	<1	<0.002	<0.002	<0.002
ES2205079	SMW_ENV207	SMW_ENV207	Zone 1	14/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	580	1,200,000	<0.002	<0.002	<0.002
ES2205079	SMW_ENV208	SMW_ENV208	Zone 1	14/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	0.13	<0.05	0.13	<2	<2	<0.002	<0.002	<0.002
ES2205287	SMW_ENV209	QCA 3000	Zone 1	15/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	<1	<1	<0.002	<0.002	<0.002
ES2205287	SMW_ENV209	SMW_ENV209	Zone 1	15/02/2022	<0.02	<0.02	0.29	<0.02	<0.02	<0.1	<0.1	0.29	<0.1	<0.02	0.06	0.26	0.09	0.41	<1	<1	<0.002	<0.002	<0.002
ES2205287	SMW_ENV210	SMW_ENV210	Zone 1	15/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	<1	<1	<0.002	<0.002	<0.002
ES2203726	SMW_ENV218	SMW_ENV218	Zone 5	3/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203272	SMW_ENV219	QCB2400	Zone 5	31/01/2022	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
287872	SMW_ENV219	SMW_ENV219	Zone 5	31/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2201771	SMW_ENV220	QCB200	Zone 5	10/01/2022	<0.1	<0.02	<0.05	0.16	0.051	<0.05	<0.05	<0.1	<0.1	0.13	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
287030	SMW_ENV220	SMW_ENV220	Zone 5	18/01/2022	<0.02	<0.02	<0.1	0.17	0.06	<0.1	<0.1	<0.1	<0.1	0.17	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV222	SMW_ENV222	Zone 1	8/10/2021	<0.02	<0.02	0.1	<0.02	<0.02	<0.1	<0.1	0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2141490	SMW_ENV223	QCA800	Zone 1	16/11/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2141490	SMW_ENV223	SMW_ENV223	Zone 1	16/11/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2204043	SMW_ENV224	SMW_ENV224	Zone 1	7/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV226	QCA100	Zone 1	8/10/2021	<0.02	<0.02	0.15	<0.02	<0.02	<0.1	<0.1	0.15	<0.1	<0.02	<0.05	0.15	<0.05	0.15	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV226	SMW_ENV226	Zone 1	8/10/2021	<0.02	<0.02	0.16	<0.02	<0.02	<0.1	<0.1	0.16	<0.1	<0.02	<0.05	0.21	<0.05	0.21	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV227	QCB100	Zone 1	8/10/2021	<0.1	<0.02	15	<0.01	<0.01	0.88	0.88	14	0.61	<0.01	0.37	13	1.6	15	-	-	-	<0.005	<0.005
280117	SMW_ENV227	SMW_ENV227	Zone 1	8/10/2021	<0.02	<0.02	2.61	<0.02	<0.02	0.24	0.24	2.37	<0.1	<0.02	0.09	2.49	0.09	2.67	-	-	<0.002	<0.002	<0.002
ES2143117	SMW_ENV229	SMW_ENV229	Zone 1	26/11/2021	<0.02	<0.02	0.15	<0.02	<0.02	<0.1	<0.1	0.15	<0.1	<0.02	<0.05	0.11	<0.05	0.11	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV231	SMW_ENV231	Zone 1	8/10/2021	<0.02	<0.02	0.14	<0.02	<0.02	<0.1	<0.1	0.14	<0.1	<0.02	<0.05	0.14	<0.05	0.14	-	-	<0.002	<0.002	<0.002
ES2204043	SMW_ENV232	SMW_ENV232	Zone 1	7/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2206504	SMW_ENV234	ENV 234	Zone 1	23/02/2022	<0.02	<0.02	0.22	<0.02	<0.02	<0.1	<0.1	0.22	<0.1	<0.02	<0.05	0.2	<0.05	0.2	-	-	<0.002	<0.002	<0.002
ES2205839	SMW_ENV238	QCA3100	Zone 1	21/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2205839	SMW_ENV238	SMW_ENV238	Zone 1	21/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2201771	SMW_ENV242	QCA2100	Zone 1	18/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2201771	SMW_ENV242	SMW_ENV242	Zone 1	18/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2143117	SMW_ENV243	SMW_ENV243	Zone 1	26/11/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	0.14	<0.05	0.14	-	-	<0.002	<0.002	<0.002
ES2136472	SMW_ENV247	QCA400	Zone 1	11/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136472	SMW_ENV247	SMW_ENV247	Zone 1	11/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.						

Lab report	Location	Field_ID	Zone	Sampled date	Perfluorooctane sulfonamide (FOSA)	N-ethyl-PFO sulfonamidoacetic acid (EFOSAA)	TRH+C10 - C40 (Sum of total) (Lab Reported)	TRH C6 - C10 Fraction F1	TRH C6 - C10 Fraction Less BTEX F1	TRH >C10 - C16 Fraction F2	TRH >C10 - C16 Fraction Less Naphthalene F2	TRH >C16 - C34 Fraction F3	TRH >C34 - C40 Fraction F4	TRH C6 - C9 Fraction	TRH C10 - C14 Fraction	TRH C15 - C28 Fraction	TRH C29 - C36 Fraction	TRH+C10 - C36 (Sum of total) (Lab Reported)	Enterococci	Faecal Coliforms	n-Nitrosodiethylamine	N-Nitrosodi-n-butylamine	N-Nitrosodi-n-propylamine
					ug/L	ug/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	CFU/100 ml	cfu/100ml
LOR					0.002	0.002	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.01	0.05	0.1	0.05	0.05	1	1	0.002	0.002	0.002
ANZG (2018)																							
ANZG (2018)																							
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	<0.1	<0.02	<0.05	0.013	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.05	<0.05	-	-	-	<0.005	<0.005
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.02	<0.02	0.92	0.09	0.09	0.65	0.65	0.27	<0.1	0.06	0.45	0.43	<0.05	0.88	-	-	<0.002	<0.002	<0.002
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.02	<0.02	0.16	<0.02	<0.02	<0.1	<0.1	0.16	<0.1	<0.02	<0.05	0.19	<0.05	0.19	-	-	<0.002	<0.002	<0.002
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.02	<0.02	<0.1	0.05	0.05	<0.1	<0.1	<0.1	<0.1	0.06	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	<0.02	<0.02	0.18	0.2	0.19	0.18	0.17	<0.1	<0.1	0.24	0.19	<0.1	<0.05	0.19	-	-	<0.002	<0.002	<0.002
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.02	<0.02	0.15	<0.02	<0.02	0.15	0.14	<0.1	<0.1	<0.02	0.06	0.13	<0.05	0.19	-	-	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.02	<0.02	0.15	<0.02	<0.02	0.15	0.14	<0.1	<0.1	<0.02	0.06	0.14	<0.05	0.2	-	-	<0.002	<0.002	<0.002
ES2136518	SMW_ENV801s	QCA300	Zone 2	11/10/2021	<0.02	<0.02	1.01	<0.1	<0.1	0.79	<0.1	0.22	<0.1	<0.1	0.68	0.31	0.05	1.04	-	-	<0.002	<0.002	<0.002
ES2136472	SMW_ENV801s	SMW_ENV801s	Zone 2	11/10/2021	<0.02	<0.02	1.21	<0.02	<0.02	1.06	0.83	0.15	<0.1	<0.02	0.94	0.31	<0.05	1.25	-	-	<0.002	<0.002	<0.002
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.02	<0.02	<0.1	0.57	0.24	<0.1	<0.1	<0.1	<0.1	0.56	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.02	<0.02	<0.1	0.02	0.02	<0.1	<0.1	<0.1	<0.1	0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.02	<0.02	<0.1	0.02	0.02	<0.1	<0.1	<0.1	<0.1	0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136722	SMW_ENV811	QCB400	Zone 2	12/10/2021	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
280299	SMW_ENV811	SMW_ENV811	Zone 2	12/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136132	SMW_ENV812	SMW_ENV812	Zone 2	7/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136132	SMW_ENV813	SMW_ENV813	Zone 2	7/10/2021	<0.02	<0.02	-	<0.02	<0.02	-	-	-	-	<0.02	-	-	-	-	-	-	-	-	-
ES2136132	SMW_ENV814	SMW_ENV814																					

Lab report	Location	Field_ID	Zone	Sampled date	Perfluorooctane sulfonamide (FOSA)	N-ethyl-PFO sulfonamidoacetic acid (EFOSAA)	TRH+C10 - C40 (Sum of total) (Lab Reported)	TRH C6 - C10 Fraction F1	TRH C6 - C10 Fraction Less BTEX F1	TRH >C10 - C16 Fraction F2	TRH >C10 - C16 Fraction Less Naphthalene F2	TRH >C16 - C34 Fraction F3	TRH >C34 - C40 Fraction F4	TRH C6 - C9 Fraction	TRH C10 - C14 Fraction	TRH C15 - C28 Fraction	TRH C29 - C36 Fraction	TRH+C10 - C36 (Sum of total) (Lab Reported)	Enterococci	Faecal Coliforms	n-Nitrosodiethylamine	N-Nitrosodi-n-butylamine	N-Nitrosodi-n-propylamine
					ug/L	ug/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	CFU/100 ml	cfu/100ml
LOR					0.002	0.002	0.05	0.01	0.01	0.05	0.05	0.1	0.1	0.01	0.05	0.1	0.05	0.05	1	1	0.002	0.002	0.002
ANZG (2018)																							
ANZG (2018)																							
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH14	QCBS00	Zone 2	20/10/2021	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.02	<0.02	0.17	<0.1	<0.1	<0.1	<0.1	0.17	<0.1	<0.1	<0.05	0.18	<0.05	0.18	-	-	<0.002	<0.002	<0.002
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.02	<0.02	0.29	0.54	0.54	<0.1	<0.1	0.29	<0.1	0.54	0.06	0.32	<0.05	0.38	-	-	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	<0.1	<0.02	<0.05	<0.01	<0.01	<0.05	<0.05	<0.1	<0.1	<0.01	<0.05	<0.1	<0.1	<0.05	-	-	-	<0.005	<0.005
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.02	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.05	<0.05	-	-	<0.002	<0.002	<0.002

Lab report	Location	Field ID	Zone	Sampled date	n-Nitrosomethylethylamine	1-Naphthylamine	n-Nitrosodiphenylamine & Diphenylamine	2-Nitroaniline	3-Nitroaniline	4-Chloroaniline	4-Nitroaniline	2-methyl-5-nitroaniline	Aniline	Nitrobenzene	Pentachloronitrobenzene	1,3,5-Trinitrobenzene	2,4-Dinitrotoluene	2,6-Dinitrotoluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene
					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
LOR					0.002	0.002	0.004	0.004	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.005	0.002	0.002	0.002	0.002
ANZG (2018)													0.25	0.55		0.004	0.065		0.003	0.085	0.16	0.26	0.06
ANZG (2018)																				0.02			
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH14	QCB500	Zone 2	20/10/2021	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	-	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	0.004	<0.002	0.015	0.024
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	-	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.005	<0.002	<0.002	<0.002	<0.002

Lab report	Location	Field_ID	Zone	Sampled date	2-Chlorotoluene	4-Chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (Filtered)	Chromium (hexavalent) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)	Manganese (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Promamide
					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
LOR					0.005	0.005	0.005	0.005	0.0005	0.002	0.001	0.0001	0.001	0.01	0.001	0.001	0.05	0.001	0.001	0.0001	0.001	0.005	0.002
ANZG (2018)								0.055	0.00005	0.0015	0.013	0.002	0.0033	0.001	0.0014	0.0014		0.0034	1.9	0.00006	0.011	0.008	
ANZG (2018)								0.055	0.00005	0.0015	0.007	0.027	0.0044	0.001	0.0013	0.0013		0.0044	0.08	0.0001	0.07	0.008	
ES2201886	SMW_ENV144	SMW_ENV144	Zone 1	20/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	<0.0001	<0.001	<0.01	0.017	<0.001	13.2	<0.001	0.432	<0.0001	0.008	0.009	<0.002
ES2207007	SMW_ENV145	SMW_ENV145	Zone 2	28/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	<0.001	<0.01	0.002	<0.001	35.7	<0.001	0.112	<0.0001	0.006	0.007	<0.002
ES2202069	SMW_ENV149	QCA2200	Zone 1	21/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.005	<0.0001	<0.001	<0.01	0.035	<0.001	18.4	<0.001	0.321	<0.0001	0.01	0.011	<0.002
ES2202069	SMW_ENV149	SMW_ENV149	Zone 1	21/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.005	<0.0001	<0.001	<0.01	0.035	<0.001	18.2	<0.001	0.318	<0.0001	0.011	0.012	<0.002
ES2206504	SMW_ENV150	ENE 150	Zone 1	23/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.01	<0.001	<0.01	<0.01	0.024	0.68	1.81	<0.001	1.11	<0.0001	0.029	<0.05	<0.002
ES2206504	SMW_ENV150S	ENV 150S	Zone 1	23/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.074	0.008	0.212	<0.01	0.576	0.027	1180	0.151	44.5	<0.0001	1.12	5.29	<0.002
ES2204649	SMW_ENV201	SMW_ENV201	Zone 5	10/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.004	<0.0001	0.001	<0.01	<0.01	<0.001	7.67	<0.001	4.9	<0.0001	0.002	<0.005	<0.002
ES2204649	SMW_ENV202	SMW_ENV202	Zone 5	10/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0002	<0.001	<0.1	0.005	<0.001	60.1	<0.001	4.54	<0.0001	0.064	0.036	<0.002
ES2204808	SMW_ENV204	SMW_ENV204	Zone 1	11/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.068	<0.001	3.32	<0.001	0.405	<0.0001	0.015	0.023	<0.002
ES2205287	SMW_ENV206	QCB 3000	Zone 1	15/02/2022	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.0003	<0.001	<0.005	0.12	0.006	<0.01	0.001	0.21	<0.00005	0.054	0.14	-
289094	SMW_ENV206	SMW_ENV206	Zone 1	15/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0003	<0.001	<0.01	0.109	0.007	<0.05	<0.001	0.208	<0.0001	0.051	0.133	<0.002
ES2205079	SMW_ENV207	SMW_ENV207	Zone 1	14/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	0.0002	0.008	<0.01	0.014	0.011	4.6	0.005	0.162	<0.0001	0.014	0.05	<0.002
ES2205079	SMW_ENV208	SMW_ENV208	Zone 1	14/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.057	0.001	0.09	<0.001	0.518	<0.0001	0.018	0.039	<0.002
ES2205287	SMW_ENV209	QCA 3000	Zone 1	15/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.017	0.002	<0.05	<0.001	0.323	<0.0001	0.007	0.008	<0.002
ES2205287	SMW_ENV209	SMW_ENV209	Zone 1	15/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.018	0.002	<0.05	<0.001	0.341	<0.0001	0.007	0.01	<0.002
ES2205287	SMW_ENV210	SMW_ENV210	Zone 1	15/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0009	<0.001	<0.01	0.071	0.002	<0.05	<0.001	0.914	<0.0001	0.032	0.063	<0.002
ES2203726	SMW_ENV218	SMW_ENV218	Zone 5	3/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	<0.001	0.009	<0.05	<0.001	0.05	<0.0001	0.002	0.006	<0.002
ES2203272	SMW_ENV219	QCB2400	Zone 5	31/01/2022	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.0001	<0.001	<0.05	0.067	<0.001	<0.01	<0.001	1.4	<0.00005	0.019	0.35	-
287872	SMW_ENV219	SMW_ENV219	Zone 5	31/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.01	<0.001	<0.01	<0.01	0.067	<0.01	6.93	<0.01	1.49	<0.0001	0.019	0.461	<0.002
ES2201771	SMW_ENV220	QCB200	Zone 5	10/01/2022	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.002	0.004	0.0002	0.002	<0.05	0.26	<0.001	500	<0.001	1.4	<0.00005	0.019	30	-
287030	SMW_ENV220	SMW_ENV220	Zone 5	18/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.004	<0.0001	<0.001	<0.01	0.283	<0.001	493	<0.001	1.35	<0.0001	0.02	37.9	<0.002
ES2136318	SMW_ENV222	SMW_ENV222	Zone 1	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	0.001	<0.01	0.169	0.024	78.3	0.018	0.288	<0.0001	0.075	0.17	<0.002
ES2141490	SMW_ENV223	QCA800	Zone 1	16/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.092	0.004	10.3	0.003	0.163	<0.0001	0.027	0.064	<0.002
ES2141490	SMW_ENV223	SMW_ENV223	Zone 1	16/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.091	0.002	13.4	0.003	0.148	<0.0001	0.027	0.061	<0.002
ES2204043	SMW_ENV224	SMW_ENV224	Zone 1	7/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.004	<0.001	2.15	<0.001	0.35	<0.0001	0.011	<0.005	<0.002
ES2136318	SMW_ENV226	QCA100	Zone 1	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.006	<0.0001	0.001	<0.1	0.069	0.002	440	<0.001	0.915	<0.0001	0.038	0.239	<0.002
ES2136318	SMW_ENV226	SMW_ENV226	Zone 1	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.007	<0.0001	0.001	<0.1	0.073	<0.001	486	<0.001	0.88	<0.0001	0.04	0.221	<0.002
ES2136318	SMW_ENV227	QCB100	Zone 1	8/10/2021	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.002	0.001	<0.0001	<0.001	<0.005	0.017	<0.001	57	<0.001	0.41	<0.00005	0.007	0.72	-
280117	SMW_ENV227	SMW_ENV227	Zone 1	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.1	0.041	0.003	15.6	<0.001	0.525	<0.0001	0.014	2.17	<0.002
ES2143117	SMW_ENV229	SMW_ENV229	Zone 1	26/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	0.002	<0.01	<0.001	0.012	<0.05	<0.001	0.003	<0.0001	0.006	0.008	<0.002
ES2136318	SMW_ENV231	SMW_ENV231	Zone 1	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	<0.001	<0.01	<0.001	<0.001	4	<0.001	0.326	<0.0001	0.002	<0.005	<0.002
ES2204043	SMW_ENV232	SMW_ENV232	Zone 1	7/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	0.001	<0.01	0.005	<0.001	10.6	<0.001	0.604	<0.0001	0.009	0.009	<0.002
ES2206504	SMW_ENV234	ENV 234	Zone 1	23/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	<0.001	<0.01	0.008	<0.001	0.56	<0.001	0.701	<0.0001	0.009	0.008	<0.002
ES2205839	SMW_ENV238	QCA3100	Zone 1	21/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.018	0.001	<0.05	<0.001	0.421	<0.0001	0.005	0.011	<0.002
ES2205839	SMW_ENV238	SMW_ENV238	Zone 1	21/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.018	0.002	<0.05	<0.001	0.416	<0.0001	0.004	0.01	<0.002
ES2201771	SMW_ENV242	QCA2100	Zone 1	18/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.005	0.003	<0.05	<0.001	0.177	<0.0001	0.006	0.016	<0.002
ES2201771	SMW_ENV242	SMW_ENV242	Zone 1	18/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.00								

Lab report	Location	Field ID	Zone	Sampled date	2-Chlorotoluene	4-Chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (Filtered)	Chromium (hexavalent) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)	Manganese (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Promamide
					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
LOR					0.005	0.005	0.005	0.005	0.0005	0.002	0.001	0.0001	0.001	0.01	0.001	0.001	0.05	0.001	0.001	0.0001	0.001	0.005	0.002
ANZG (2018)								0.055	0.00005	0.0015	0.013	0.002	0.0033	0.001	0.0014	0.0014		0.0034	1.9	0.00006	0.011	0.008	
ANZG (2018)								0.055	0.00005	0.0015	0.007	0.007	0.027	0.0044	0.001	0.0013		0.0044	0.08	0.0001	0.07	0.008	
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.002	0.003	<0.0001	0.001	<0.005	0.11	0.006	110	0.014	0.17	<0.00005	0.054	0.11	-
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	<0.001	<0.01	0.116	0.008	102	0.014	0.161	<0.0001	0.059	0.114	<0.002
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	0.0003	0.002	<0.01	0.184	0.03	3.51	0.038	0.279	<0.0001	0.085	0.33	<0.002
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	0.0003	0.001	<0.005	0.086	0.007	8	0.008	0.84	<0.00005	0.042	0.094	-	
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	0.0001	<0.001	<0.01	0.106	0.014	8.4	0.007	0.867	<0.0001	0.048	0.104	<0.002
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.1	0.002	<0.001	6.87	<0.001	0.133	<0.0001	0.005	0.054	<0.002
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.043	<0.001	113	<0.001	0.818	<0.0001	0.011	0.766	<0.002
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.074	<0.001	7.71	<0.001	0.874	<0.0001	0.035	0.167	<0.002
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.003	<0.0001	0.001	<0.01	0.094	0.009	40.6	0.009	0.244	<0.0001	0.047	0.122	<0.002
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	<0.0001	0.001	<0.01	0.095	0.01	38.5	0.009	0.248	<0.0001	0.048	0.129	<0.002
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	0.0001	<0.001	<0.01	0.005	<0.001	80	<0.001	0.404	<0.0001	<0.001	0.039	<0.002
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	<0.0001	<0.001	<0.01	0.005	<0.001	88	<0.001	0.44	<0.0001	0.002	0.037	<0.002
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	0.006	<0.0001	<0.001	<0.005	0.034	0.001	8.3	<0.001	0.96	<0.00005	0.01	0.015	-
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.005	<0.0001	<0.001	<0.01	0.035	<0.001	8.01	<0.001	0.969	<0.0001	0.009	0.014	<0.002
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.009	<0.0001	<0.001	<0.01	0.014	<0.001	165	<0.001	1.36	<0.0001	0.001	0.012	<0.002
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.009	0.004	0.17	<0.001	0.046	<0.0001	0.003	0.021	<0.002
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.008	0.005	0.18	<0.001	0.042	<0.0001	0.003	0.024	<0.002
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	<0.0001	<0.001	<0.01	0.001	<0.001	1.93	<0.001	1	<0.0001	0.001	0.04	<0.002
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.01	0.003	0.76	<0.001	0.033	<0.0001	0.002	0.017	<0.002
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.002	0.001	<0.0001	<0.001	<0.05	0.092	<0.001	14	<0.001	0.33	<0.00005	0.033	0.055	-
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.09	<0.001	12.2	<0.001	0.31	<0.0001	0.034	0.052	<0.002
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	0.0001	<0.001	<0.01	0.082	0.007	<0.05	0.002	0.188	<0.0001	0.034	0.064	<0.002
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.004	<0.001	<0.05	<0.001	0.427	<0.0001	0.004	<0.005	<0.002
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	0.002	<0.01	0.014	0.008	1.01	<0.001	0.124	<0.0001	0.01	0.028	<0.002
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	0.001	<0.01	0.003	0.009	0.47	<0.001	0.044	<0.0001	0.002	0.048	<0.002
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.005	<0.005	<0.005	<0.005	<0.004	<0.002	<0.001	<0.0001	<0.001	<0.01	<0.001	<0.001	<0.05	<0.001	0.112	<0.0001	0.001	<0.005	<0.002
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0001	<0.001	<0.01	0.065	<0.001	6.05	<0.001	0.513	<0.0001	0.026	0.072	<0.002
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0001	<0.001	<0.1	0.056	<0.001	5.98	<0.001	0.505	<0.0001	0.022	0.064	<0.002
ES2136518	SMW_ENV801s	QCA300	Zone 2	11/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.002	<0.001	7.77	<0.001	0.062	<0.0001	<0.001	<0.005	<0.002
ES2136472	SMW_ENV801s	SMW_ENV801s	Zone 2	11/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	<0.0001	<0.001	<0.01	0.002	<0.001	8.11	<0.001	0.062	<0.0001	<0.001	0.005	<0.002
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0002	<0.001	<0.01	0.048	<0.001	0.35	<0.001	0.56	<0.0001	0.022	0.072	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0002	<0.001	<0.01	0.046	0.001	0.35	<0.001	0.562	<0.0001	0.023	0.072	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	11/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.001	<0.01	<0.1	0.027	<0.01	0.16	<0.01	0.366	<0.0001	0.015	0.08	<0.002
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	<0.0001	<0.001	<0.1	0.036	<0.001	9.25	<0.001	0.889	<0.0001	0.014	0.027	<0.002
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.021	<0.001	0.49	<0.001	0.047	<0.0001	0.011	0.042	<0.002
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.022	<0.001	0.53	<0.001	0.05	<0.0001	0.012	0.044	<0.002
ES2136722	SMW_ENV811	QCB400	Zone 2	12/10/2021	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.002	0.001	0.0003	<0.001	<0.005	0.0								

Lab report	Location	Field ID	Zone	Sampled date	2-Chlorotoluene	4-Chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	Arsenic (Filtered)	Cadmium (Filtered)	Chromium (Filtered)	Chromium (hexavalent) (Filtered)	Cobalt (Filtered)	Copper (Filtered)	Iron (Filtered)	Lead (Filtered)	Manganese (Filtered)	Mercury (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Pronamide
					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
LOR					0.005	0.005	0.005	0.005	0.0005	0.002	0.001	0.0001	0.001	0.01	0.001	0.001	0.05	0.001	0.001	0.0001	0.001	0.005	0.002
ANZG (2018)								0.055	0.00005	0.0015	0.013	0.0002	0.0033	0.001	0.0014	0.0014		0.0034	1.9	0.00006	0.011	0.008	
ANZG (2018)								0.055	0.00005	0.0015		0.0007	0.027	0.0044	0.001	0.0013		0.0044	0.08	0.0001	0.07	0.008	
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	0.0001	<0.001	<0.01	-	<0.001	0.63	<0.001	0.261	<0.0001	0.004	0.108	<0.002
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.019	<0.001	39.3	<0.001	1.68	<0.0001	0.046	<0.005	<0.002
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.044	0.002	0.62	<0.001	0.286	<0.0001	0.017	0.188	<0.002
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	0.0001	<0.001	<0.01	0.049	<0.001	<0.05	<0.001	0.254	<0.0001	0.018	0.088	<0.002
ES2137931	SMW_WTP_BH14	QCBS00	Zone 2	20/10/2021	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.002	0.001	<0.0001	<0.001	<0.005	0.023	<0.001	4.4	<0.001	0.2	<0.00005	0.007	0.025	-
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	<0.0001	<0.001	<0.01	0.024	<0.001	3.8	<0.001	0.183	<0.0001	0.008	0.025	<0.002
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.007	<0.0001	<0.001	0.02	0.031	<0.001	13.8	<0.001	0.659	<0.0001	0.009	0.697	<0.002
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.045	0.002	4.14	<0.001	0.132	<0.0001	0.016	0.057	<0.002
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.042	0.002	4.06	<0.001	0.136	<0.0001	0.016	0.054	<0.002
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	<0.0001	<0.001	<0.01	0.007	2.33	0.06	<0.001	1.13	<0.0001	0.006	0.015	<0.002
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.01	<0.0001	<0.001	<0.01	0.018	<0.01	21.1	<0.01	2.78	<0.0001	<0.01	0.115	<0.002
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.001	<0.0001	<0.001	<0.01	0.025	<0.001	2.62	<0.001	2.98	<0.0001	0.015	<0.005	<0.002
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.005	<0.005	<0.005	0.567	<0.0005	<0.002	0.011	<0.0001	<0.001	<0.01	<0.001	<0.001	22.7	<0.001	0.255	<0.0001	<0.001	0.012	<0.002
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	<0.0001	0.001	<0.01	0.059	<0.001	88.4	<0.001	0.178	<0.0001	0.034	0.069	<0.002
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	0.0002	<0.001	<0.01	0.077	0.013	5.71	0.009	0.348	<0.0001	0.059	0.132	<0.002
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.004	0.0004	0.001	<0.01	0.083	0.014	5.8	0.01	0.376	<0.0001	0.064	0.152	<0.002
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.002	<0.0001	<0.001	0.01	0.054	0.002	10	<0.001	2.81	<0.0001	0.011	0.024	<0.002
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	0.038	<0.0001	0.002	<0.01	0.007	<0.001	1460	<0.001	1.79	<0.0001	0.006	0.046	<0.002
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.01	<0.001	<0.01	<0.01	0.065	<0.01	0.85	<0.01	1.63	<0.0001	0.034	0.35	<0.002
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.01	<0.001	<0.01	<0.01	0.053	<0.01	1.29	<0.01	2.33	<0.0001	0.013	<0.05	<0.002
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.01	<0.001	<0.01	<0.01	0.053	<0.01	1.39	<0.01	2.3	<0.0001	0.013	<0.05	<0.002
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.002	<0.001	<0.0001	<0.001	<0.005	0.015	<0.001	0.95	<0.001	0.23	<0.00005	0.007	0.013	-
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.005	<0.005	<0.005	<0.005	<0.0005	<0.002	<0.001	<0.0001	<0.001	<0.01	0.017	<0.001	1.06	<0.001	0.246	<0.0001	0.009	0.012	<0.002

Lab report	Location	Field ID	Zone	Sampled date	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenthion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Pyrimphos-ethyl	Prothiofos	Methane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (lower bound)*
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR					<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ANZG (2018)					0.00001		0.00015				0.00005			0.000004			1600			0.00001		0.0001	
ANZG (2018)																	1600			0.00001		0.0001	
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.002	-	<0.0002	-	-	<5	<0.001	<0.001	<0.001	<0.001	<0.001	-
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	<0.002	-	-	17	<0.001	<0.001	<0.001	<0.001	<0.001	-
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	16	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	-	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	13	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	104	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	105	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	82	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	70	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	<0.002	-	-	1800	<0.001	<0.001	<0.001	<0.001	<0.001	-
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	2540	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	584	0.0018	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	1380	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.002	-	<0.0002	-	-	7	<0.001	<0.001	<0.001	<0.001	<0.001	-
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	15	<0.001	<0.001	<0.001	<0.001	<0.0007	<0.0005
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	36	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	874	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.002	<0.002	<0.002	<0.002	-	<0.002	<0.002	-	-	<0.002	<0.002	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	14	0.0208	<0.001	0.0043	<0.001	<0.0005	<0.0005
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	16	0.0197	<0.001	0.0041	<0.001	<0.0005	<0.0005
ES2136518	SMW_ENV801s	QCA300	Zone 2	11/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	1660	0.0324	0.0021	0.0022	<0.001	<0.0005	<0.0005
ES2136472	SMW_ENV801S	SMW_ENV801S	Zone 2	11/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	1750	0.035	0.0019	0.0018	<0.001	<0.0005	<0.0005
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	11/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	16	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	13	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136318	SMW_ENV8																						

Lab report	Location	Field_ID	Zone	Sampled date	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenthion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Pirimphos-ethyl	Prothiofos	Methane	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (lower bound)*
					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	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L
					0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.002	0.002	0.002	0.0005	0.0005	10	0.001	0.001	0.001	0.001	0.0005	0.0005
					0.00001		0.00015				0.00005			0.000004			1600			0.00001		0.0001	
																	1600			0.00001		0.0001	
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2137931	SMW_WTP_BH14	QCB500	Zone 2	20/10/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.002	-	<0.0002	-	-	97	<0.001	<0.001	<0.001	<0.001	<0.001	-
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	138	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	770	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	89	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	30	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	4310	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	54	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	34	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	<10	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	<0.002	<0.0002	<0.002	-	<0.0002	-	-	28	<0.001	<0.001	<0.001	<0.001	<0.001	-
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005	32	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005

Lab report	Location	Field_ID	Zone	Sampled date	Benzo(b)&(j)fluoranthene	Benzo(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	PAH (Sum of Common 16 PAHs - Lab Reported)	1-Methylnaphthalene	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole
					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
LOR					0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0005	0.002	0.002	0.002	0.002	0.002	0.002
ANZG (2018)											0.001			0.016	0.0006								
ANZG (2018)											0.001			0.07	0.0006								
ES2201886	SMW_ENV144	SMW_ENV144	Zone 1	20/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2207007	SMW_ENV145	SMW_ENV145	Zone 2	28/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2202069	SMW_ENV149	QCA2200	Zone 1	21/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2202069	SMW_ENV149	SMW_ENV149	Zone 1	21/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2206504	SMW_ENV150	ENE 150	Zone 1	23/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2206504	SMW_ENV150S	ENV 150S	Zone 1	23/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2204649	SMW_ENV201	SMW_ENV201	Zone 5	10/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2204649	SMW_ENV202	SMW_ENV202	Zone 5	10/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2204808	SMW_ENV204	SMW_ENV204	Zone 1	11/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205287	SMW_ENV206	QCB 3000	Zone 1	15/02/2022	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.002	<0.002	<0.002	<0.002	<0.005
289094	SMW_ENV206	SMW_ENV206	Zone 1	15/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205079	SMW_ENV207	SMW_ENV207	Zone 1	14/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205079	SMW_ENV208	SMW_ENV208	Zone 1	14/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205287	SMW_ENV209	QCA 3000	Zone 1	15/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205287	SMW_ENV209	SMW_ENV209	Zone 1	15/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205287	SMW_ENV210	SMW_ENV210	Zone 1	15/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2203726	SMW_ENV218	SMW_ENV218	Zone 5	3/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2203272	SMW_ENV219	QCB2400	Zone 5	31/01/2022	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.002	<0.002	<0.002	<0.002	<0.005
287872	SMW_ENV219	SMW_ENV219	Zone 5	31/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2201771	SMW_ENV220	QCB200	Zone 5	10/01/2022	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.002	<0.002	<0.002	<0.002	<0.005
287030	SMW_ENV220	SMW_ENV220	Zone 5	18/01/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	-	-	-	-	<0.002
ES2136318	SMW_ENV222	SMW_ENV222	Zone 1	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2141490	SMW_ENV223	QCA800	Zone 1	16/11/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2141490	SMW_ENV223	SMW_ENV223	Zone 1	16/11/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2204043	SMW_ENV224	SMW_ENV224	Zone 1	7/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV226	QCA100	Zone 1	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV226	SMW_ENV226	Zone 1	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV227	QCB100	Zone 1	8/10/2021	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.002	<0.002	<0.002	<0.002	<0.005
280117	SMW_ENV227	SMW_ENV227	Zone 1	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2143117	SMW_ENV229	SMW_ENV229	Zone 1	26/11/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.002	<0.002	-	<0.002	<0.002	<0.002
ES2136318	SMW_ENV231	SMW_ENV231	Zone 1	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2204043	SMW_ENV232	SMW_ENV232	Zone 1	7/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0017	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2206504	SMW_ENV234	ENV 234	Zone 1	23/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205839	SMW_ENV238	QCA3100	Zone 1	21/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2205839	SMW_ENV238	SMW_ENV238	Zone 1	21/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2201771	SMW_ENV242	QCA2100	Zone 1	18/01/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	-	-	-	-	<0.002
ES2201771	SMW_ENV242	SMW_ENV242	Zone 1	18/01/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	-	-	-		

Lab report	Location	Field_ID	Zone	Sampled date	Benzo(b)&(j)fluoranthene	Benzo(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	PAH (Sum of Common 16 PAHs - Lab Reported)	1-Methylnaphthalene	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole
					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
LOR					0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0005	0.002	0.002	0.002	0.002	0.002	0.002
ANZG (2018)											0.001			0.016	0.0006								
ANZG (2018)											0.001			0.07	0.0006								
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.0037	<0.001	0.005 - 0.00	0.0025	<0.001	0.0097	-	<0.002	0.047	<0.002	<0.002	<0.002
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	-	-	-	-	<0.002
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	-	-	-	-	<0.002
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	-	-	-	-	<0.002
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.001 - 0.00	<0.001	<0.001	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005 - 0.00	<0.001	<0.001	0.0011	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0039 - 0.00	<0.001	<0.001	0.0039	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	0.0013	0.0102	<0.001	0.023 - 0.00	0.0129	<0.001	0.0518	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	0.0013	0.0102	<0.001	0.026 - 0.00	0.0125	<0.001	0.0504	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136518	SMW_ENV801S	QCA300	Zone 2	11/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.0142	<0.001	0.371 - 0.99	0.0108	<0.001	0.433	-	<0.002	0.059	<0.002	<0.002	0.007
ES2136472	SMW_ENV801S	SMW_ENV801S	Zone 2	11/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	0.0139	<0.001	0.232 - 0.41	0.0076	<0.001	0.474	-	<0.002	0.056	<0.002	<0.002	0.007
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003 - 0.03	<0.001	<0.001	0.003	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002
ES2136722	SMW_ENV811	QCB400	Zone 2	12/10/2021	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.002	<0.002	<0.002	<0.002	&	

Lab report	Location	Field ID	Zone	Sampled date	Benzo(b)&(j)fluoranthene	Benzo(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	PAH (Sum of Common 16 PAHs - Lab Reported)	1-Methylnaphthalene	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole	
					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
LOR					0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0005	0.002	0.002	0.002	0.002	0.002	0.002	
ANZG (2018)											0.001			0.016	0.0006									
ANZG (2018)											0.001			0.07	0.0006									
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2137931	SMW_WTP_BH14	QCB500	Zone 2	20/10/2021	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005 - 0.00	<0.001	<0.001	0.002	-	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005 - 0.00	<0.001	<0.001	0.0043	-	<0.002	<0.002	<0.002	<0.002
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.001	<0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	-	<0.002	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	-	<0.002	<0.002	<0.002	<0.002	<0.002	

Lab report	Location	Field_ID	Zone	Sampled date	Chlorobenzilate	Demeton-s-methyl	2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3- & 4- Methylphenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butybenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate
					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
LOR					0.002	0.0005	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.01	0.002	0.002	0.002	0.002
ANZG (2018)							0.002				0.32		0.003	0.16	0.034	0.49		0.0036	0.001		1	3.7	0.01
ANZG (2018)											0.4							0.011					
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	-	-	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	-	-	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	-	-	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	-	-	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.002	-	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136518	SMW_ENV801s	QCA300	Zone 2	11/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136472	SMW_ENV801s	SMW_ENV801s	Zone 2	11/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.												

Lab report	Location	Field ID	Zone	Sampled date	Chlorobenzilate	Demeton-s-methyl	2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3- & 4- Methylphenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butylbenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Din-butyl phthalate
					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
					0.002	0.0005	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.01	0.002	0.002	0.002	0.002
							0.002				0.32		0.003	0.16	0.034	0.49		0.0036	0.001		1	3.7	0.01
											0.4							0.011					
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH14	QCB500	Zone 2	20/10/2021	-	-	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	-	-	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002

Lab report	Location	Field_ID	Zone	Sampled date	Di-n-octyl phthalate	Electrical Conductivity @ 25°C	pH (Lab)	Total Dissolved Solids @180°C	Sodium (Filtered)	Potassium (Filtered)	Calcium (Filtered)	Magnesium (Filtered)	Chloride	pH Redox	Sulphate (as SO4) (Filtered)	Bicarbonate Alkalinity (as CaCO3)	Carbonate Alkalinity (as CaCO3)	Hydroxide Alkalinity (as CaCO3)	Total Alkalinity (as CaCO3)	Nitrate (as N)	Nitrite (as N)	Nitrate + Nitrite (as N)	Ammonia (as N)
					mg/L	uS/cm	pH Units	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
LOR					0.002	1	0.01	10	1	1	1	1	1	0.01	1	1	1	1	1	0.01	0.01	0.01	0.01
ANZG (2018)																				2.4			0.9
ANZG (2018)																							0.91
ES2201886	SMW_ENV144	SMW_ENV144	Zone 1	20/01/2022	<0.002	24,800	6.54	18,600	3560	14	450	655	9030	6.43	328	554	<1	<1	554	<0.1	<0.1	<0.1	1.1
ES2207007	SMW_ENV145	SMW_ENV145	Zone 2	28/02/2022	<0.002	23,100	6.71	21,900	4120	13	252	791	8550	-	1180	214	<1	<1	214	<0.01	<0.01	<0.01	0.98
ES2202069	SMW_ENV149	QCA2200	Zone 1	21/01/2022	<0.002	24,800	6.31	18,000	4100	9	266	667	9340	6.16	573	336	<1	<1	336	0.02	<0.01	0.02	0.63
ES2202069	SMW_ENV149	SMW_ENV149	Zone 1	21/01/2022	<0.002	25,000	6.33	18,100	4100	9	266	672	9410	6.17	522	322	<1	<1	322	0.01	<0.01	0.01	0.67
ES2206504	SMW_ENV150	ENE 150	Zone 1	23/02/2022	<0.002	61,800	7.3	48,900	12,100	143	1030	2120	20,800	6.78	4910	430	<1	<1	430	<0.01	<0.01	<0.01	0.7
ES2206504	SMW_ENV150S	ENV 150S	Zone 1	23/02/2022	<0.002	35,000	3.29	44,700	5670	56	634	1420	7740	3.3	17,700	<1	<1	<1	<0.01	<0.01	<0.01	6.56	
ES2204649	SMW_ENV201	SMW_ENV201	Zone 5	10/02/2022	<0.002	10,600	7.59	7750	1950	79	132	193	3880	6.99	393	373	<1	<1	373	<0.01	<0.01	<0.01	0.69
ES2204649	SMW_ENV202	SMW_ENV202	Zone 5	10/02/2022	<0.002	2970	6.78	2120	374	37	165	75	626	6.6	434	354	<1	<1	354	<0.1	<0.1	<0.1	0.47
ES2204808	SMW_ENV204	SMW_ENV204	Zone 1	11/02/2022	<0.002	30,900	6.42	22,700	5100	18	466	1050	10,400	6.24	963	170	<1	<1	170	<0.01	<0.01	<0.01	0.5
ES2205287	SMW_ENV206	QCB 3000	Zone 1	15/02/2022	<0.01	23,000	5.6	19,000	3900	9.6	230	740	8200	-	-	37	<5	<5	37	0.01	<0.005	-	0.14
289094	SMW_ENV206	SMW_ENV206	Zone 1	15/02/2022	<0.002	22,300	6.12	15,200	4200	9	264	780	7980	5.75	835	58	<1	<1	58	0.02	<0.01	0.02	0.05
ES2205079	SMW_ENV207	SMW_ENV207	Zone 1	14/02/2022	<0.002	6540	6.71	11,400	1300	4	90	182	1880	5.96	277	87	<1	<1	87	0.09	<0.01	0.09	0.1
ES2205079	SMW_ENV208	SMW_ENV208	Zone 1	14/02/2022	<0.002	11,700	6.59	7770	2280	4	70	260	3590	5.94	704	91	<1	<1	91	<0.01	<0.01	<0.01	0.08
ES2205287	SMW_ENV209	QCA 3000	Zone 1	15/02/2022	<0.002	7940	7.28	4620	1450	3	72	169	2330	6.64	298	343	<1	<1	343	0.2	<0.01	0.2	0.04
ES2205287	SMW_ENV209	SMW_ENV209	Zone 1	15/02/2022	<0.002	6740	7.61	3860	1460	3	68	157	1850	6.61	296	334	<1	<1	334	0.17	<0.01	0.17	0.02
ES2205287	SMW_ENV210	SMW_ENV210	Zone 1	15/02/2022	<0.002	21,400	6.95	14,200	3790	8	257	634	7450	6.34	655	219	<1	<1	219	0.02	<0.01	0.02	0.08
ES2203726	SMW_ENV218	SMW_ENV218	Zone 5	3/02/2022	<0.002	2150	7.77	1880	439	4	33	28	327	7.47	210	450	<1	<1	450	0.24	0.02	0.26	0.06
ES2203272	SMW_ENV219	QCB2400	Zone 5	31/01/2022	<0.01	26,000	6.5	19,000	5600	100	270	590	7900	-	-	450	<5	<5	450	<0.005	<0.005	-	0.87
287872	SMW_ENV219	SMW_ENV219	Zone 5	31/01/2022	<0.002	29,200	6.94	20,700	5490	107	314	663	7880	6.63	3050	526	<1	<1	526	<0.01	<0.01	<0.01	0.67
ES2201771	SMW_ENV220	QCB200	Zone 5	10/01/2022	<0.01	25,000	6.1	22,000	5200	210	380	520	7200	-	-	210	<5	<5	210	<0.05	<0.05	-	7.1
287030	SMW_ENV220	SMW_ENV220	Zone 5	18/01/2022	<0.002	21,400	6.17	22,400	4900	212	436	558	7960	6.13	4420	278	<1	<1	278	<0.1	<0.1	<0.1	6.79
ES2136318	SMW_ENV222	SMW_ENV222	Zone 1	8/10/2021	<0.002	20,300	3.65	13,400	2990	5	134	560	6200	3.68	1310	<1	<1	<1	<1	<0.1	<0.1	<0.1	0.36
ES2141490	SMW_ENV223	QCA800	Zone 1	16/11/2021	<0.002	9,090	3.77	5690	1480	4	79	248	3150	3.63	283	<1	<1	<1	<1	<0.01	<0.01	<0.01	0.23
ES2141490	SMW_ENV223	SMW_ENV223	Zone 1	16/11/2021	<0.002	10,900	3.98	7500	1740	6	95	257	3720	4.5	362	<1	<1	<1	<1	<0.01	<0.01	<0.01	0.28
ES2204043	SMW_ENV224	SMW_ENV224	Zone 1	7/02/2022	<0.002	3790	7.47	3420	236	6	684	90	373	6.79	1400	452	<1	<1	452	<0.01	<0.01	<0.01	0.15
ES2136318	SMW_ENV226	QCA100	Zone 1	8/10/2021	<0.002	22,300	5.94	15,600	3080	139	140	333	6200	5.71	2740	96	<1	<1	96	<0.1	<0.1	<0.1	1.05
ES2136318	SMW_ENV226	SMW_ENV226	Zone 1	8/10/2021	<0.002	18,300	5.74	13,300	3130	144	146	340	4870	5.47	2920	76	<1	<1	76	<0.1	<0.1	<0.1	1.18
ES2136318	SMW_ENV227	QCB100	Zone 1	8/10/2021	<0.01	6,500	6.2	4,900	1400	21	95	220	1500	-	-	330	<5	<5	330	<0.005	<0.005	-	3
280117	SMW_ENV227	SMW_ENV227	Zone 1	8/10/2021	<0.002	23,000	6.6	15,500	3620	34	260	592	7180	6.17	1100	248	<1	<1	248	0.01	<0.01	0.01	0.79
ES2143117	SMW_ENV229	SMW_ENV229	Zone 1	26/11/2021	<0.002	3890	7.53	3410	256	48	531	75	597	7.29	897	97	<1	<1	97	0.07	<0.01	0.07	0.05
ES2136318	SMW_ENV231	SMW_ENV231	Zone 1	8/10/2021	<0.002	1690	8	916	194	15	62	37	223	7.7	8	607	<1	<1	607	0.01	<0.01	0.01	6.34
ES2204043	SMW_ENV232	SMW_ENV232	Zone 1	7/02/2022	<0.002	4610	7.59	3170	804	22	156	74	1060	7	162	688	<1	<1	688	<0.01	<0.01	<0.01	10.8
ES2206504	SMW_ENV234	ENV 234	Zone 1	23/02/2022	<0.002	16,400	7.42	11,000	3000	82	252	234	5340	7.07	759	451	<1	<1	451	<0.01	<0.01	<0.01	1.38
ES2205839	SMW_ENV238	QCA3100	Zone 1	21/02/2022	<0.002	23,100	7.06	18,300	4240	9	252	580	8590	6.19	751	201	<1	<1	201	<0.01	<0.01	<0.01	0.02
ES2205839	SMW_ENV238	SMW-ENV238	Zone 1	21/02/2022	<0.002	19,700	7.29	17,700	4270	9	250	590	8760	6.29	751	250	<1	<1	250	<0.01	<0.01	<0.01	0.03
ES2201771	SMW_ENV242	QCA2100	Zone 1	18/01/2022	<0.002	15,000	7.25	12,600	3150	6	231	504	6510	6.54	517	358	<1	<1	358	0.32	<0.01	0.32	<0.01
ES2201771	SMW_ENV242	SMW_ENV242	Zone 1	18/01/2022	<0.002	18,800	7.62	13,700	3070	6	219	487	7100	6.67	513	375	<1	<1	375	0.28	<0.01	0.28	0.02
ES2143117	SMW_ENV243	SMW_ENV243	Zone 1	26/11/2021	<0.002	13,900	6.9	9200	2450	7	135	294	4540	6.64	286	61	<1	<1	61	0.04	<0.01	0.04	0.05
ES2136472	SMW_ENV247	QCA400	Zone 1	11/10/2021	<0.002	28,700	6.45	24,200	4630	12	443	884	9,990	6.03	1170	204	<1	<1	204	<0.01	<0.01	<0.01	1.2
ES2136472	SMW_ENV247	SMW-ENV247	Zone 1	11/10/2021	<0.002	28,800	6.45	23,900	4660	12	448	898	10,100	6.09	1120	196	<1	<1	196	<0.01	<0.01	<0.01	1.15
ES2136132	SMW_ENV250	SMW_ENV250	Zone 1	7/10/2021	<0.002	9070	6.61	5290	1420	5	65	147	3020	5.95	381	90	<1	<1	90	<0.01	<0.01	<0.01	0.07
ES2202504	SMW_ENV258	SMW-ENV258	Zone 1	25/01/2022	<0.002	17,900	7.25	12,700	2860	8	454	681	5560	5.98	1340	202	<1	<1	202	0.2	<0.01	0.2	0.26

Lab report	Location	Field_ID	Zone	Sampled date	Di-n-octyl phthalate	Electrical Conductivity @ 25°C	pH (Lab)	Total Dissolved Solids @180°C	Sodium (Filtered)	Potassium (Filtered)	Calcium (Filtered)	Magnesium (Filtered)	Chloride	pH Redox	Sulphate (as SO4) (Filtered)	Bicarbonate Alkalinity (as CaCO3)	Carbonate Alkalinity (as CaCO3)	Hydroxide Alkalinity (as CaCO3)	Total Alkalinity (as CaCO3)	Nitrate (as N)	Nitrite (as N)	Nitrate + Nitrite (as N)	Ammonia (as N)
					mg/L	uS/cm	pH Units	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
LOR					0.002	1	0.01	10	1	1	1	1	1	0.01	1	1	1	1	1	0.01	0.01	0.01	0.01
ANZG (2018)																				2.4			0.9
ANZG (2018)																							0.91
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	<0.01	19,000	3.8	14,000	2900	6.6	110	530	4700	-	-	<5	<5	<5	<5	<0.005	<0.005	-	0.23
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.002	19,000	3.97	13,600	3070	6	138	559	6500	3.93	854	<1	<1	<1	<1	<0.01	<0.01	<0.01	0.29
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.002	26,400	3.37	17,700	3820	7	299	818	8270	3.37	1290	<1	<1	<1	<1	0.01	<0.01	0.01	0.34
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	<0.01	19,000	4.9	17,000	3300	11	180	600	6800	-	-	11	<5	<5	11	<0.005	<0.005	-	0.21
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.002	22,400	5.66	14,800	3350	10	186	572	7880	5.2	1180	41	<1	<1	41	0.02	<0.01	0.02	0.26
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.002	1530	7.7	1060	118	8	117	53	150	6.79	261	375	<1	<1	375	0.12	<0.01	0.12	0.17
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.002	7150	6.25	3940	922	2	50	170	2340	6.06	277	138	<1	<1	138	<0.01	<0.01	<0.01	0.39
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.002	11,500	6.2	8880	2020	7	306	406	2920	5.82	2180	239	<1	<1	239	0.02	0.02	0.04	3.43
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.002	11,300	3.56	6990	2170	3	88	310	3720	3.59	1050	<1	<1	<1	<1	<0.01	0.03	<0.01	0.12
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.002	12,000	4.09	8320	2250	3	94	328	4090	3.78	1100	<1	<1	<1	<1	<0.01	<0.01	<0.01	0.14
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.002	8790	6.24	6380	1440	80	206	163	2810	6.05	850	192	<1	<1	192	<0.01	<0.01	<0.01	1.69
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.002	7650	6.28	4920	1560	83	221	172	2000	6.5	754	190	<1	<1	190	<0.01	<0.01	<0.01	1.6
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	<0.01	20,000	6.2	14,000	3900	100	150	370	6500	-	-	400	<5	<5	400	<0.005	<0.005	-	1.4
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.002	18,800	7.14	13,700	3760	99	181	383	7300	6.47	1360	390	<1	<1	390	<0.01	<0.01	<0.01	1.05
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.002	8900	6.26	6720	1780	142	371	160	2290	6.42	1750	343	<1	<1	343	<0.01	<0.01	<0.01	1.25
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.002	4480	6.14	2980	982	2	16	52	1070	5.54	429	47	<1	<1	47	0.02	<0.01	0.02	0.05
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.002	6260	6.3	4100	1140	2	17	59	1450	5.69	570	70	<1	<1	70	0.02	<0.01	0.02	0.07
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.002	17,500	7.81	12,300	2380	53	580	418	5660	6.45	115	1090	<1	<1	1090	0.02	<0.01	0.02	3.77
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.002	5430	5.73	3650	814	3	13	63	1360	5.77	309	85	<1	<1	85	0.03	<0.01	0.03	0.07
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	<0.01	13,000	6	8300	2600	16	50	210	3500	-	-	230	<5	<5	230	0.095	0.039	-	0.59
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.002	14,100	6.48	9900	2370	8	54	196	4370	6.17	750	240	<1	<1	240	0.04	0.07	0.11	0.56
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.002	16,600	5.64	11,200	2740	10	174	449	5650	5.18	863	37	<1	<1	37	0.02	<0.01	0.02	0.18
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.002	25,100	7.11	19,200	4360	20	443	690	8390	6.8	821	744	<1	<1	744	0.02	<0.01	0.02	<0.1
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.002	555	5.41	626	110	10	2	2	34	5.41	153	43	<1	<1	43	0.02	<0.01	0.02	0.07
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	<0.002	394	5.72	422	66	6	5	1	28	5.32	92	50	<1	<1	50	0.11	0.01	0.12	<0.01
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.002	8520	7.56	5210	1610	29	71	123	2210	-	-	1140	<1	<1	1140	0.78	<0.01	0.78	0.29
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.002	31,400	6.21	26,600	5780	18	226	1050	10,800	6	1050	166	<1	<1	166	0.01	<0.01	0.01	0.46
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.002	32,800	6.08	25,400	5460	18	212	1000	11,000	5.92	1130	167	<1	<1	167	0.01	<0.01	0.01	0.49
ES2136518	SMW_ENV801s	QCA300	Zone 2	11/10/2021	<0.002	490	6.72	322	35	6	37	9	52	6.67	14	162	<1	<1	162	0.55	<0.01	0.55	0.29
ES2136472	SMW_ENV801S	SMW_ENV801S	Zone 2	11/10/2021	<0.002	571	6.74	343	44	7	38	10	67	6.7	18	175	<1	<1	175	0.53	<0.01	0.53	0.32
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.002	27,500	6.82	21,600	4910	12	231	861	8,570	6.16	1130	46	<1	<1	46	<0.01	<0.01	<0.01	0.19
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.002	25,300	6.84	19,700	4950	12	230	855	7880	6.11	1100	48	<1	<1	48	<0.01	<0.01	<0.01	0.18
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.002	32,200	6.57	24,600	5400	17	249	1040	12,100	6.08	1330	198	<1	<1	198	0.02	<0.01	0.02	0.21
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.002	24,500	6.86	17,800	4230	12	281	693	8380	6.49	1070	364	<1	<1	364	<0.01	<0.01	<0.01	0.49
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.002	20,500	6.07	12,200	2880	8	90	484	6350	5.56	982	33	<1	<1	33	0.07	0.02	0.09	0.16
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.002	20,700	6.03	11,400	3230	9	102	545	6440	5.54	900	34	<1	<1	34	0.08	0.02	0.1	0.15
ES2136722	SMW_ENV811	QCB400	Zone 2	12/10/2021	<0.01	28,000	6.1	25,000	5800	10	190	940	9300	-	-	61	<5	<5	61	<0.005	<0.005	-	0.19
280299	SMW_ENV811	SMW_ENV811	Zone 2	12/10/2021	<0.002	30,000	6.1	19,200	5500	10	214	1040	9470	5.52	1420	61	<1	<1	61	<0.01	<0.01	<0.01	0.15
ES2136132	SMW_ENV812	SMW_ENV812	Zone 2	7/10/2021	<0.002	30,900	6.79	18,800	5200	13	206	908	11,100	5.92	1530	170	<1	<1	170	<0.01	<0.01	<0.01	0.6
ES2136132	SMW_ENV813	SMW_ENV813	Zone 2	7/10/2021	-	11,600	7.78	6640	1940	6	168	237	3780	7.01	493	550	<1	<1	550	<0.01	<0.01	<0.01	0.28
ES2136132	SMW_ENV814	SMW_ENV814	Zone 2	7/10/2021	<0.002	32,400	6.97	22,500	5440	15	246	884	11,400	6.1	1620	241	<1	<1	241	0.02	<0.01	0.02	0.81
ES2206057	SMW_WTP_BH02	SMW_WTP_BH02	Westmead	22/02/2022	<0.002	13,500	7.7	9770	2000	53	172	400	4640	7.34	315	868	<1	<1	868	<0.01	<0.01	<0.01	0.83

Lab report	Location	Field_ID	Zone	Sampled date	Di-n-octyl phthalate	Electrical Conductivity @ 25°C	pH (Lab)	Total Dissolved Solids @180°C	Sodium (Filtered)	Potassium (Filtered)	Calcium (Filtered)	Magnesium (Filtered)	Chloride	pH Redox	Sulphate (as SO4) (Filtered)	Bicarbonate Alkalinity (as CaCO3)	Carbonate Alkalinity (as CaCO3)	Hydroxide Alkalinity (as CaCO3)	Total Alkalinity (as CaCO3)	Nitrate (as N)	Nitrite (as N)	Nitrate + Nitrite (as N)	Ammonia (as N)
					mg/L	uS/cm		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
LOR					0.002	1	0.01	10	1	1	1	1	1	0.01	1	1	1	1	1	0.01	0.01	0.01	0.01
ANZG (2018)																				2.4			0.9
ANZG (2018)																							0.91
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.002	19,200	7.65	12,800	3230	61	205	458	6560	7.1	294	795	<1	<1	795	0.03	<0.01	0.03	2.53
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.002	652	6.05	355	63	8	15	14	142	6.4	10	104	<1	<1	104	0.01	<0.01	0.01	<0.01
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.002	26,700	7.02	17,400	3760	10	140	541	8170	6.49	1020	238	<1	<1	238	0.03	<0.01	0.03	0.39
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.002	24,600	6.81	16,200	4170	13	153	603	7670	6.4	926	182	<1	<1	182	0.05	<0.01	0.05	0.29
ES2137931	SMW_WTP_BH14	QCB500	Zone 2	20/10/2021	<0.01	11,000	6.4	7800	1900	11	72	310	3800	-	-	120	<5	<5	120	<0.005	<0.005	-	0.36
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.002	12,100	6.27	8780	2080	9	84	315	4110	6.22	488	129	<1	<1	129	0.02	<0.01	0.02	0.29
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.002	25,400	6.66	19,200	4380	17	313	726	8740	6.55	888	478	<1	<1	478	<0.01	<0.01	<0.01	1.28
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.002	15,500	5.89	10,700	2640	8	92	327	5290	5.78	653	41	<1	<1	41	0.02	<0.01	0.02	0.32
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.002	16,300	6.02	11,500	2600	7	91	324	5550	5.9	692	55	<1	<1	55	0.02	<0.01	0.02	0.3
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.002	22,000	7.24	14,100	3280	58	648	398	6300	7.21	529	648	<1	<1	648	<0.01	<0.01	<0.01	4.3
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.002	58,100	6.56	43,200	10,600	108	1530	2280	20,900	6.16	3400	80	<1	<1	80	<0.1	<0.01	<0.1	7.1
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.002	14,500	6.61	11,400	2860	36	438	351	5640	6.6	259	622	<1	<1	622	0.02	<0.01	0.02	3.22
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.002	3100	7.54	2150	286	26	228	77	320	7.11	398	898	<1	<1	898	0.02	<0.01	0.02	15.3
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.002	11,400	5.22	7100	1670	2	71	245	3300	4.76	816	6	<1	<1	6	<0.01	<0.01	<0.01	0.17
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.002	17,700	4.55	10,900	2720	6	160	416	6130	4.5	572	<1	<1	<1	0.01	<0.01	0.01	0.1	
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.002	17,800	4.51	11,000	2740	6	166	417	6190	4.53	612	<1	<1	<1	0.01	<0.01	0.01	0.11	
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.002	31,800	7.14	23,400	4580	15	612	982	9920	6.74	983	555	<1	<1	555	0.01	<0.01	0.01	1.22
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.002	16,800	6.02	20,900	3740	210	714	620	6370	5.93	6290	312	<1	<1	312	<0.01	<0.01	<0.01	0.91
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.002	37,700	7.09	26,300	5180	12	568	1240	11,500	6.53	1800	276	<1	<1	276	<0.01	0.02	0.02	0.09
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.002	28,300	7.16	23,800	5530	14	526	1070	10,700	6.42	1310	286	<1	<1	286	<0.01	<0.01	<0.01	0.11
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.002	28,000	7.06	23,600	5450	14	515	1040	10,700	6.42	1300	279	<1	<1	279	<0.01	<0.01	<0.01	0.1
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	<0.01	9,800	6	7200	1700	5.4	97	240	2900	-	-	130	<5	<5	130	<0.005	<0.005	-	0.047
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.002	10,300	6.04	6680	1800	6	118	262	3250	5.82	1060	132	<1	<1	132	0.03	<0.01	0.03	0.15

Lab report	Location	Field_ID	Zone	Sampled date	Total Kjeldahl Nitrogen (as N)	Nitrogen (Total)	Fluoride	Reactive Phosphorus (as P)	Total Phosphorus (as P)	Total Suspended Solids	Total Anions	Total Cations	Ionic Balance (Lab)	Dissolved Oxygen	Redox Potential	Methyl Ethyl Ketone	2-Hexanone	Methyl iso-butyl ketone	Isophorone	Vinyl acetate	2-(Acetylamino) fluorene	2-Picoline	β,γ-Dichlorobenzidine
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	meq/L	%	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR					0.1	0.1	0.1	0.01	0.01	5	0.01	0.01	0.01	0.1	0.1	0.05	0.05	0.05	0.002	0.05	0.002	0.002	0.002
ANZG (2018)																							
ANZG (2018)																			0.13				
ES2201886	SMW_ENV144	SMW_ENV144	Zone 1	20/01/2022	1.1	1.1	0.4	<0.01	<0.05	-	273	232	8.14	8.1	29.4	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2207007	SMW_ENV145	SMW_ENV145	Zone 2	28/02/2022	1.3	1.3	0.1	<0.01	0.06	-	270	257	2.43	-	-	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2202069	SMW_ENV149	QCA2200	Zone 1	21/01/2022	0.8	0.8	0.4	<0.05	<0.05	-	282	247	6.69	5.6	23.9	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2202069	SMW_ENV149	SMW_ENV149	Zone 1	21/01/2022	0.8	0.8	0.4	<0.05	<0.05	-	283	247	6.72	4.8	21.5	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2206504	SMW_ENV150	ENE 150	Zone 1	23/02/2022	<1	<1	0.2	<0.01	0.2	-	698	756	4.01	9.5	238	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2206504	SMW_ENV150S	ENV 150S	Zone 1	23/02/2022	15.2	15.2	<0.1	0.34	0.3	-	587	585	0.16	9	314	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2204649	SMW_ENV201	SMW_ENV201	Zone 5	10/02/2022	1.4	1.4	0.8	<0.01	1.31	-	125	109	6.73	6.7	-58.6	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2204649	SMW_ENV202	SMW_ENV202	Zone 5	10/02/2022	1.3	1.3	0.3	<0.05	0.02	-	33.8	31.6	3.28	7	-66.3	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2204808	SMW_ENV204	SMW_ENV204	Zone 1	11/02/2022	1.1	1.1	0.1	<0.01	<0.05	-	317	332	2.34	4.8	89.2	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205287	SMW_ENV206	QCB 3000	Zone 1	15/02/2022	-	0.3	<0.1	-	<0.05	-	-	-	-1	-	-	-	-	-	<0.005	-	<0.002	-	-
289094	SMW_ENV206	SMW_ENV206	Zone 1	15/02/2022	<0.5	<0.5	<0.1	<0.01	<0.05	-	244	260	3.3	7.9	265	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205079	SMW_ENV207	SMW_ENV207	Zone 1	14/02/2022	6.3	6.4	<0.1	<0.01	1.68	-	60.5	76.1	11.4	4.6	223	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205079	SMW_ENV208	SMW_ENV208	Zone 1	14/02/2022	<0.2	<0.2	<0.1	<0.01	<0.02	-	118	124	2.66	4.3	222	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205287	SMW_ENV209	QCA 3000	Zone 1	15/02/2022	<0.1	0.2	0.2	<0.01	<0.01	-	78.8	80.6	1.17	5	222	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205287	SMW_ENV209	SMW_ENV209	Zone 1	15/02/2022	0.1	0.3	0.3	<0.01	0.01	-	65	79.9	10.3	5.4	200	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205287	SMW_ENV210	SMW_ENV210	Zone 1	15/02/2022	<0.2	<0.2	<0.1	<0.01	<0.02	-	228	230	0.41	7.4	243	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203726	SMW_ENV218	SMW_ENV218	Zone 5	3/02/2022	0.8	1.1	0.3	<0.01	0.04	-	22.6	23.1	1.23	10.2	220	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203272	SMW_ENV219	QCB2400	Zone 5	31/01/2022	-	0.8	0.1	-	<0.05	-	-	-	3	-	-	-	-	-	<0.005	-	<0.002	-	-
287872	SMW_ENV219	SMW_ENV219	Zone 5	31/01/2022	0.6	0.6	0.1	<0.01	0.21	-	296	312	2.54	7.5	18	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2201771	SMW_ENV220	QCB200	Zone 5	10/01/2022	-	7.6	0.4	-	<0.05	-	-	-	-2	-	-	-	-	-	<0.005	-	<0.002	-	-
287030	SMW_ENV220	SMW_ENV220	Zone 5	18/01/2022	6.9	6.9	0.5	<0.05	0.11	-	322	286	5.9	2.6	-18.3	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV222	SMW_ENV222	Zone 1	8/10/2021	0.7	0.7	0.3	<0.01	<0.02	-	202	183	4.99	6	345	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2141490	SMW_ENV223	QCA800	Zone 1	16/11/2021	0.3	0.3	<0.1	<0.01	<0.01	-	94.7	88.8	3.22	9	416	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2141490	SMW_ENV223	SMW_ENV223	Zone 1	16/11/2021	0.4	0.4	<0.1	<0.01	0.02	-	112	102	5.01	9.6	300	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2204043	SMW_ENV224	SMW_ENV224	Zone 1	7/02/2022	0.4	0.4	0.3	<0.01	0.05	-	48.7	52	3.24	10.3	-1.1	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV226	QCA100	Zone 1	8/10/2021	2.9	2.9	0.2	<0.05	<0.05	-	234	196	8.92	7.8	45.4	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV226	SMW_ENV226	Zone 1	8/10/2021	5.2	5.2	0.2	<0.05	<0.05	-	200	189	2.7	6.8	62.4	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV227	QCB100	Zone 1	8/10/2021	-	5.2	0.1	-	<0.05	-	-	-	19	-	-	-	-	-	<0.005	-	<0.002	-	-
280117	SMW_ENV227	SMW_ENV227	Zone 1	8/10/2021	1.8	1.8	<0.1	<0.01	0.06	-	230	220	2.3	9.1	40.2	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2143117	SMW_ENV229	SMW_ENV229	Zone 1	26/11/2021	1.4	1.5	0.2	<0.01	0.06	-	37.4	45	9.19	8.6	137	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV231	SMW_ENV231	Zone 1	8/10/2021	7.9	7.9	0.7	<0.01	0.22	-	18.6	15.6	8.67	9.9	113	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2204043	SMW_ENV232	SMW_ENV232	Zone 1	7/02/2022	14.4	14.4	0.4	<0.05	0.48	-	47	49.4	2.48	6.7	-60	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2206504	SMW_ENV234	ENV 234	Zone 1	23/02/2022	1.8	1.8	0.4	<0.01	0.04	-	175	164	3.24	8	226	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205839	SMW_ENV238	QCA3100	Zone 1	21/02/2022	<0.5	<0.5	0.2	<0.01	<0.05	-	262	245	3.35	9.2	188	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2205839	SMW_ENV238	SMW_ENV238	Zone 1	21/02/2022	<0.2	<0.2	<0.01	<0.01	<0.02	-	268	247	4.03	9.4	177	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2201771	SMW_ENV242	QCA2100	Zone 1	18/01/2022	0.4	0.7	0.2	<0.01	0.03	-	202	190	2.9	7.3	120	<0.05	<0.05	<0.05	<0.002	<0.05	-	<0.002	<0.002
ES2201771	SMW_ENV242	SMW_ENV242	Zone 1	18/01/2022	0.3	0.6	0.2	<0.01	0.02	-	218	185	8.37	8	180	<0.05	<0.05	<0.05	<0.002	<0.05	-	<0.002	<0.002
ES2143117	SMW_ENV243	SMW_ENV243	Zone 1	26/11/2021	<0.5	<0.5	0.1	<0.01	<0.05	-	135	138	0.89	7.1	146	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136472	SMW_ENV247	QCA400	Zone 1	11/10/2021	1.4	1.4	<0.1	<0.01	<0.02	-	310	296	2.25	7.4	79.1	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136472	SMW_ENV247	SMW_ENV247	Zone 1	11/10/2021	1.4	1.4	0.1	<0.01	<0.02	-	312	299	2.1	9	56.5	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136132	SMW_ENV250	SMW_ENV250	Zone 1	7/10/2021	<0.2	<0.2	<0.1	-	<0.02	-	94.9	77.2	10.3	10.5	115	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2202504	SMW_ENV258	SMW_ENV258	Zone 1	25/01/2022	0.5	0.7	<0.1	<0.01	0.1	-	189	203	3.71	5.6	170	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002

Lab report	Location	Field_ID	Zone	Sampled date	Total Kjeldahl Nitrogen (as N)	Nitrogen (Total)	Fluoride	Reactive Phosphorus (as P)	Total Phosphorus (as P)	Total Suspended Solids	Total Anions	Total Cations	Ionic Balance (Lab)	Dissolved Oxygen	Redox Potential	Methyl Ethyl Ketone	2-Hexanone	Methyl iso-butyl ketone	Isophorone	Vinyl acetate	2-(Acetylamino) fluorene	2-Picoline	3,3-Dichlorobenzidine
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	meq/L	%	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR					0.1	0.1	0.1	0.01	0.01	5	0.01	0.01	0.01	0.1	0.1	0.05	0.05	0.05	0.002	0.05	0.002	0.002	0.002
ANZG (2018)																							
ANZG (2018)																			0.13				
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	-	0.7	0.2	-	<0.05	-	-	-	8	-	-	-	-	-	<0.005	-	<0.002	-	-
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	0.8	0.8	0.2	<0.01	<0.02	-	201	186	3.75	9.3	299	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	0.4	0.4	0.3	<0.01	<0.02	-	260	248	2.27	8.4	454	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	-	0.3	0.1	-	<0.05	-	-	-	-2	-	-	-	-	-	<0.005	-	<0.002	-	-
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.5	<0.5	<0.1	<0.01	<0.05	-	248	203	9.97	7	158	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	0.3	0.4	0.9	<0.01	<0.01	-	17.2	15.5	4.96	5.7	38.5	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	0.6	0.6	<0.1	-	<0.02	-	74.5	62.7	8.62	8	23.8	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	4.3	4.3	<0.1	<0.01	<0.1	-	132	137	1.56	10.7	42.3	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	0.6	0.6	0.2	<0.01	<0.02	-	127	124	0.97	4.6	364	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	0.5	0.5	0.3	<0.01	<0.02	-	138	130	3.23	6.3	349	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	8.5	8.5	<0.1	<0.05	0.11	-	101	88.4	6.57	6.2	18.5	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	8.2	8.2	0.2	<0.05	0.12	-	75.9	95.2	11.2	7.6	4.8	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	-	1.6	0.2	-	0.06	-	-	-	-2	-	-	-	-	-	<0.005	-	<0.002	-	-
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	2.2	2.2	0.4	<0.01	0.19	-	242	207	7.89	9.8	10.8	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	5	5	0.3	<0.05	0.1	-	108	113	2.2	3.8	-28.3	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	0.4	0.4	<0.1	<0.01	0.1	-	40	47.8	8.86	8	493	<0.05	<0.05	<0.05	<0.002	<0.05	-	<0.002	<0.002
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	0.5	0.5	<0.1	<0.01	0.17	-	54.2	55.3	1.07	8.2	493	<0.05	<0.05	<0.05	<0.002	<0.05	-	<0.002	<0.002
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	3.8	3.8	0.3	<0.01	0.11	-	184	168	4.43	5.3	52.9	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	0.3	0.3	<0.1	<0.01	0.03	-	46.5	41.3	5.9	5.8	316	<0.05	<0.05	<0.05	<0.002	<0.05	-	<0.002	<0.002
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	-	1	0.2	-	1.5	-	-	-	-	-	-	-	-	-	<0.005	-	<0.002	-	-
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	2.7	2.8	0.2	<0.01	0.8	-	144	122	8.11	7.8	47.8	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	0.3	0.3	<0.1	<0.01	0.04	-	178	165	3.79	6.4	297	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.5	<0.5	0.2	0.01	<0.05	-	269	269	0.08	8.6	153	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	1	1	0.1	<0.01	0.18	-	5	5.3	2.92	4.4	497	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	0.8	0.9	<0.1	0.02	0.23	-	3.7	3.36	4.93	8.7	473	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	0.4	1.2	1.4	-	0.03	-	93.2	84.4	4.91	-	-	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	0.7	0.7	<0.1	<0.01	0.02	-	330	350	2.9	6.6	81.1	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	0.6	0.6	<0.1	<0.01	0.01	-	337	331	0.95	7.1	97	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136518	SMW_ENV801s	QCA300	Zone 2	11/10/2021	0.4	1	0.2	<0.01	0.02	-	5	4.68	3.29	8.4	-17.6	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136472	SMW_ENV801s	SMW_ENV801s	Zone 2	11/10/2021	0.4	0.9	0.2	<0.01	0.02	-	5.76	5.25	4.96	8.8	-38.6	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.5	<0.5	<0.1	<0.01	0.04	-	266	296	5.35	7.5	154	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.5	<0.5	<0.1	<0.01	0.05	-	246	297	9.44	7.8	209	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.5	<0.5	<0.1	<0.01	<0.05	-	373	333	5.61	4.5	137	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	0.7	0.7	0.2	<0.01	0.11	-	266	255	2.03	8.5	-6.4	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	0.2	0.3	<0.1	<0.01	<0.02	-	200	170	8.22	8.5	199	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	0.2	0.3	<0.1	<0.01	<0.02	-	201	191	2.66	8.3	218	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136722	SMW_ENV811	QCB400	Zone 2	12/10/2021	-	0.3	<0.1	-	<0.05	-	-	-	8	-	-	-	-	-	<0.005	-	<0.002	-	-
280299	SMW_ENV811	SMW_ENV811	Zone 2	12/10/2021	<1	<1	<0.1	<0.01	<0.1	-	298	336	5.97	5.1	156	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136132	SMW_ENV812	SMW_ENV812	Zone 2	7/10/2021	0.6	0.6	<0.1	-	<0.05	-	348	312	5.58	10.3	114	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136132	SMW_ENV813	SMW_ENV813	Zone 2	7/10/2021	0.7	0.7	0.2	-	0.2	-	128	112	6.43	9.9	508	<0.05	<0.05	<0.05	-	<0.05	-	-	-
ES2136132	SMW_ENV814	SMW_ENV814	Zone 2	7/10/2021	1.3	1.3	<0.1	-	<0.05	-	360	322	5.58	9.7	164	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2206057	SMW_WTP_BH02	SMW_WTP_BH02	Westmead	22/02/2022	0.8	0.8	0.6	<0.01	0.04	-	155	130	8.76	6.6	208	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002

Lab report	Location	Field_ID	Zone	Sampled date	Total Kjeldahl Nitrogen (as N)	Nitrogen (Total)	Fluoride	Reactive Phosphorus (as P)	Total Phosphorus (as P)	Total Suspended Solids	Total Anions	Total Cations	Ionic Balance (Lab)	Dissolved Oxygen	Redox Potential	Methyl Ethyl Ketone	2-Hexanone	Methyl iso-butyl ketone	Isophorone	Vinyl acetate	2-(Acetylamino)fluorene	2-Picoline	β,β-Dichlorobenzidine
					mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	meq/L	meq/L	%	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR					0.1	0.1	0.1	0.01	0.01	5	0.01	0.01	0.01	0.1	0.1	0.05	0.05	0.05	0.002	0.05	0.002	0.002	0.002
ANZG (2018)																							
ANZG (2018)																			0.13				
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	2.5	2.5	0.7	<0.01	0.16	-	207	190	4.3	7.8	129	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	0.1	0.1	0.1	<0.05	0.02	-	6.29	6.96	5	7.1	12.9	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	0.6	0.6	<0.1	<0.01	<0.05	-	256	215	8.72	6.6	66	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<1	<1	<0.1	<0.01	0.1	-	239	239	0.06	7.4	148	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH14	QCB500	Zone 2	20/10/2021	-	0.4	<0.1	-	0.07	-	-	-	-2	-	-	-	-	-	<0.005	-	<0.002	-	-
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	1.5	1.5	0.1	<0.01	1.01	-	129	121	3.15	7.4	107	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	1.6	1.6	0.4	<0.01	2.09	-	274	266	1.53	6.4	24.3	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	0.7	0.7	<0.1	<0.01	<0.01	-	164	146	5.51	9.1	136	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	0.7	0.7	<0.1	<0.01	0.01	-	172	144	8.71	9.4	178	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	4.3	4.3	0.1	<0.01	0.08	-	202	209	1.84	9.6	209	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	7.4	7.4	<0.1	0.07	<0.1	-	662	728	4.74	3.6	18	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	3.4	3.4	0.7	<0.01	<0.05	-	177	176	0.24	8.6	-4.9	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	16.9	16.9	0.5	<0.01	0.03	-	35.2	30.8	6.71	4.9	78.9	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	0.7	0.7	0.2	<0.01	<0.05	-	110	96.4	6.68	4.6	156	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	0.2	0.2	0.7	<0.01	0.03	-	185	161	6.99	7.6	302	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	0.2	0.2	0.4	<0.01	0.03	-	187	162	7.28	8.5	292	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	1	1	0.1	<0.01	0.1	-	311	311	0.07	6.1	55.1	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002	<0.002
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	12.9	12.9	0.2	<0.01	0.02	-	317	333	2.5	2.7	-65.8	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.5	<0.5	<0.1	<0.01	<0.05	-	367	356	1.57	5	58	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.5	<0.5	<0.1	<0.01	<0.05	-	335	355	2.95	7.5	64.9	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.5	<0.5	<0.1	<0.01	<0.05	-	334	349	2.08	7.5	52	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	-	0.1	<0.1	-	<0.05	-	-	-	-2	-	-	-	-	-	<0.005	-	<0.002	-	-
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	0.2	0.2	<0.1	<0.01	<0.02	-	116	106	4.72	7.3	117	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.002	<0.002

Lab report	Location	Field ID	Zone	Sampled date	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline n-oxide	Acetophenone	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Methapyriline	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
					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
LOR					0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.002	0.002	0.004	0.002	0.005	0.005
ANZG (2018)																							0.4
ANZG (2018)																							0.4
ES2141490	SMW_ENV262	QCB600	Zone 1	16/11/2021	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.01	<0.005	<0.005	-	<0.005	<0.001	<0.001
283105	SMW_ENV262	SMW_ENV262	Zone 1	16/11/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136318	SMW_ENV263	SMW_ENV263	Zone 1	8/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2202507	SMW_ENV264	QCB2200	Zone 1	24/01/2022	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.01	<0.005	<0.005	-	<0.005	<0.001	<0.001
287480	SMW_ENV264	SMW_ENV264	Zone 1	24/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2141683	SMW_ENV264s	SMW_ENV264s	Zone 1	17/11/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136132	SMW_ENV266	SMW_ENV266	Zone 1	7/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136472	SMW_ENV269	SMW_ENV269	Zone 1	11/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2141683	SMW_ENV271	QCA 900	Zone 1	17/11/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2141683	SMW_ENV271	SMW_ENV271	Zone 1	17/11/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2203231	SMW_ENV272	QCA2700	Zone 5	1/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2203231	SMW_ENV272	SMW_ENV272	Zone 5	1/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2203726	SMW_ENV276	QCB 2500	Zone 5	3/02/2022	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.01	<0.005	<0.005	-	<0.005	<0.001	<0.001
288117	SMW_ENV276	SMW_ENV276	Zone 5	3/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2203231	SMW_ENV280	SMW_ENV280	Zone 5	1/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2201473	SMW_ENV282	QCA2000	Zone 4/6	17/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2201473	SMW_ENV282	SMW_ENV282	Zone 4/6	17/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2202504	SMW_ENV283	SMW_ENV283	Zone 4/6	25/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2201473	SMW_ENV283s	SMW_ENV283s	Zone 4/6	17/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136472	SMW_ENV284	QCB300	Zone 4/6	11/10/2021	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.01	<0.005	<0.005	-	<0.005	<0.001	<0.001
280221	SMW_ENV284	SMW_ENV284	Zone 4/6	11/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2202507	SMW_ENV287	SMW_ENV287	Zone 4/6	24/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2137931	SMW_ENV293	SMW_ENV293	Zone 4/6	20/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2204808	SMW_ENV294	SMW_ENV294	Westmead	11/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2206504	SMW_ENV295	ENV 295	Westmead	23/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2133794	SMW_ENV714	SMW_ENV714	SOP	17/09/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2137931	SMW_ENV801	QCA600	Zone 2	20/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.008	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2137931	SMW_ENV801	SMW_ENV801	Zone 2	20/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.006	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136518	SMW_ENV801s	QCA300	Zone 2	11/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.012	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136472	SMW_ENV801s	SMW_ENV801s	Zone 2	11/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.012	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2138069	SMW_ENV806	QCA1000	Zone 2	1/12/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	1/12/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2143985	SMW_ENV806	SMW_ENV806	Zone 2	21/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136518	SMW_ENV808	SMW_ENV808	Zone 2	11/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136318	SMW_ENV809	QCA200	Zone 2	8/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005
ES2136318	SMW_ENV809	SMW_ENV809	Zone 2	8/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002</					

Lab report	Location	Field ID	Zone	Sampled date	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline n-oxide	Acetophenone	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Methapyriliene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	
					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
LOR					0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.002	0.002	0.004	0.002	0.005	0.005	0.005
ANZG (2018)																								0.4
ANZG (2018)																								0.4
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005	<0.005
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005	<0.005
ES2137931	SMW_WTP_BH14	QCBS00	Zone 2	20/10/2021	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.01	<0.005	<0.005	-	<0.005	<0.001	<0.001	<0.001
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005	<0.005
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005	<0.005
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005	<0.005
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	<0.005	-	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.01	<0.005	<0.005	-	<0.005	<0.001	<0.001	<0.001
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.005	<0.005	<0.005

Lab report	Location	Field ID	Zone	Sampled date	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobromomethane	Chloroethane	Chloroform	Chloromethane	Dibromomethane	Dichlorodifluoromethane	Hexachlorobutadiene	Hexachloroethane	Iodomethane	Pentachloroethane	Trichloroethene	Tetrachloroethene	Trichlorofluoromethane	Vinyl chloride	
					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
LOR					0.005	0.05	0.005	0.005	0.005	0.05	0.005	0.05	0.005	0.05	0.002	0.002	0.005	0.005	0.005	0.005	0.05	0.05	0.05
ANZG (2018)							0.02	0.24			0.77				0.29		0.08	0.33	0.07			0.1	
ANZG (2018)								0.24			0.77							0.08	0.33	0.07			0.1
ES2145030	SMW_WTP_BH03A	SMW_BH03	Westmead	8/12/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2207440	SMW_WTP_BH11	SMW_BH11	Tunnel	3/03/2022	<0.005	<0.05	0.006	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2136681	SMW_WTP_BH13	QA500	Zone 2	12/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2136722	SMW_WTP_BH13	SMW-BH13	Zone 2	12/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2137931	SMW_WTP_BH14	QCB500	Zone 2	20/10/2021	<0.001	<0.01	-	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.01	<0.001	<0.002	-	<0.002	<0.001	<0.001	<0.01	<0.01	<0.01
280861	SMW_WTP_BH14	SMW_BH14	Zone 2	20/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2137931	SMW_WTP_BH15	SMW_BH15	Zone 2	20/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2137931	SMW_WTP_BH18	QCA700	Zone 4/6	20/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2137931	SMW_WTP_BH18	SMW_BH18	Zone 4/6	20/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2203272	SMW_WTP_BH19	SMW_BH19	Tunnel	31/01/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2143766	SMW_WTP_BH22	SMW_BH22	SOP	30/11/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2204131	SMW_WTP_BH23	SMW_WTP_BH23	SOP	7/02/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2136318	SMW_WTP_BH25s	SMW_BH255	Zone 1	8/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2136681	SMW_WTP_BH26	SMW-BH26	Zone 1	12/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2202507	SMW_WTP_BH27	QCA 2300	Zone 1	24/01/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2202507	SMW_WTP_BH27	SMW-BH27	Zone 1	24/01/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2136681	SMW_WTP_BH30	SMW-BH30	Zone 1	12/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2205286	SMW_WTP_BH30	SMW-BH30	Zone 1	16/02/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2136681	SMW_WTP_BH30s	SMW-BH30S	Zone 1	12/10/2021	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2203848	SMW_WTP_BH40	QCA 2800	Zone 1	4/02/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2203848	SMW_WTP_BH40	SMW_BH40	Zone 1	4/02/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05
ES2201886	SMW_WTP_BH41	QCB2100	Zone 1	20/01/2022	<0.001	<0.01	-	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.01	<0.001	<0.002	-	<0.002	0.003	0.002	0.002	<0.01	<0.01
287146	SMW_WTP_BH41	SMW_BH41	Zone 1	20/01/2022	<0.005	<0.05	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.005	<0.05	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.05

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Physico-Chemical & Major Ions													
						pH (Lab)	Dissolved Oxygen	TDS	Chloride	Sulphate	Alkalinity (Hydroxide) as CaCO3	Carbonate as CaCO3	Bicarbonate as CaCO3	Alkalinity (total) as CaCO3	Calcium (filtered)	Magnesium (filtered)	Sodium (filtered)	Potassium (filtered)	Fluoride
						-	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						0.01	0.1	5	1	1	1	1	1	1	0.5	0.5	0.5	0.5	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						7-8.5													
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	pH	DO	TDS	Cl	SO4	Alk (H)	CO3	HCO3	Alk (T)	Ca	Mg	Na	K	F
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	6.3	-	13,000	6,600	680	<5	<5	190	190	130	440	3,200	7.0	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	6.8	-	2,800	1,200	280	<5	<5	540	540	170	230	1,200	24	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	6.1	-	16,000	8,900	550	<5	<5	320	320	240	690	3,900	10	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	5.7	-	34,000	16,000	1,700	<5	<5	84	84	510	510	7,400	82	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	6.4	-	40,000	18,000	1,300	<5	<5	590	590	800	1,500	8,100	87	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	6.3	-	7,000	3,100	320	<5	<5	220	220	65	190	1,400	4	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	6.4	-	4,100	2,200	210	<5	<5	210	210	29	86	1,100	2	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	5.9	-	13,000	6,200	650	<5	<5	130	130	100	400	2,900	6.4	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	6.4	-	11,000	5,600	450	<5	<5	310	310	170	430	2,500	7.2	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	6.8	-	1,300	280	220	<5	<5	580	580	180	43	290	21	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	5.1	-	13,000	6,200	480	<5	<5	68	68	140	490	2,800	5.6	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	4.8	-	16,000	7,500	720	<5	<5	16	16	170	600	3,400	8.6	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	4.6	-	1,400	480	460	<5	<5	<5	<5	5.2	25	400	0.7	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	5.7	-	18,000	6,300	6,800	<5	<5	420	420	650	600	3,500	240	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	3.6	-	8,500	4,100	670	<5	<5	<5	<5	72	290	1,400	5	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	5.2	-	12,000	4,300	3,000	<5	<5	66	66	92	270	2,900	140	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	5.1	-	3,900	1,800	270	<5	<5	27	27	31	100	870	2	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	6.7	-	2,200	310	1,200	<5	<5	340	340	280	96	200	8.0	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	3.7	-	11,000	5,400	1,100	<5	<5	<5	<5	120	450	2,900	7.0	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	4.2	-	6,600	3,200	710	<5	<5	<5	<5	63	240	1,600	7.6	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	5.6	-	21,000	9,900	1,500	<5	<5	150	150	270	820	5,500	19	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	4.8	-	19,000	9,000	1,100	<5	<5	11	11	230	610	4,800	11	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	5.8	-	21,000	12,000	1,100	<5	<5	150	150	450	950	6,000	18	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	21,000	11,000	980	<5	<5	580	580	770	950	6,000	23	-
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	29,000	12,000	1,600	<5	<5	310	310	570	1,400	6,100	16	-
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	6.8	-	2,600	250	1,100	<5	<5	710	710	410	130	220	8.4	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	5.5	-	4,100	1,700	880	<5	<5	79	79	59	160	920	4	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	7.1	-	1,700	26	1,100	<5	<5	210	210	470	7.5	25	4	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	6.5	-	5,300	1,300	1,500	<5	<5	280	280	340	110	1,100	31	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	6.5	-	30,000	12,000	1,200	<5	<5	600	600	620	810	7,900	130	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	6.4	-	20,000	9,100	660	<5	<5	320	320	390	810	5,600	17	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	6.5	-	27,000	11,000	1,000	<5	<5	350	350	630	1,200	6,500	18	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	6.4	-	32,000	13,000	1,100	<5	<5	340	340	800	1,400	7,300	30	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	5.8	-	4,200	1,600	130	<5	<5	330	330	160	140	600	19	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	5.9	-	3,300	1,500	480	<5	<5	68	68	21	62	1,100	3	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	3.5	-	8,000	3,400	1,000	<5	<5	<5	<5	76	310	1,900	5.2	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	6.3	-	36,000	18,000	1,400	<5	<5	400	400	1,100	1,800	8,700	82	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	5.7	-	4,000	1,700	600	<5	<5	76	76	46	110	970	5	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	6.7	-	19,000	9,500	820	<5	<5	360	360	560	1,000	5,200	15	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Physico-Chemical & Major Ions													
						pH (Lab)	Dissolved Oxygen	TDS	Chloride	Sulphate	Alkalinity (Hydroxide) as CaCO3	Carbonate as CaCO3	Bicarbonate as CaCO3	Alkalinity (total) as CaCO3	Calcium (filtered)	Magnesium (filtered)	Sodium (filtered)	Potassium (filtered)	Fluoride
						-	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						0.01	0.1	5	1	1	1	1	1	1	0.5	0.5	0.5	0.5	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						7-8.5													
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	pH	DO	TDS	Cl	SO4	Alk (H)	CO3	HCO3	Alk (T)	Ca	Mg	Na	K	F
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	6.5	6.6	38,000	17,000	1,300	<5	<5	530	530	770	1,500	8,900	93	-
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	6.4	7.5	21,000	8,200	540	<5	<5	320	320	260	710	4,300	14	-
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	6.5	8.7	26,000	9,000	540	<5	<5	730	730	610	670	6,500	91	-
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	6.8	8.9	2,700	240	1,300	<5	<5	540	540	530	110	170	7.0	-
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	6.3	8.2	18,000	6,500	1,500	<5	<5	280	280	210	470	3,000	110	-
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	6.2	-	6,300	5,100	400	<5	<5	200	200	72	320	2,500	51	1.7
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	5.4	-	350	34	100	<5	<5	28	28	3	2	91	2	<0.1
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	5.9	-	7,400	4,600	430	<5	<5	170	170	66	300	2,700	48	2.4
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	6.6	-	7,900	4,600	1,400	<5	<5	300	300	110	350	2,400	13	0.1
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	25,000	10,000	3,800	<5	<5	190	190	380	870	5,700	140	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	2,100	350	230	<5	<5	1,400	1,400	240	110	340	26	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	24,000	11,000	1,800	<5	<5	490	490	340	930	5,300	26	-
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	-	1,100	220	300	<5	<5	230	230	36	66	220	19	-
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	-	5,400	2,500	26	<5	<5	850	850	260	220	1,200	37	-
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	-	940	150	260	<5	<5	230	230	10	26	200	22	-
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	-	830	180	51	<5	<5	580	580	86	43	150	16	-
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	6.1	9.1	9,100	3,900	900	<5	<5	200	200	120	330	2,000	11	-
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	6.0	8.3	21,000	9,900	1,200	<5	<5	250	250	270	810	4,700	15	-
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	-	-	4,200	3,200	540	<5	<5	80	80	56	160	1,200	4	-
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	6.1	-	24,000	7,700	1,100	<5	<5	300	300	250	700	4,400	14	<0.1
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	6.6	-	3,200	1,300	260	<5	<5	220	220	66	52	770	3	0.1
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	6.3	-	2,500	1,100	170	<5	<5	170	170	53	72	680	3	0.1
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	6.1	-	2,300	920	310	<5	<5	94	94	19	57	910	3	<0.1
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	7.0	-	14,000	3,100	660	<5	<5	1,400	1,400	180	270	2,500	17	0.3
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	7.0	-	17,000	6,600	840	<5	<5	1,200	1,200	450	620	4,000	23	0.2
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	6.7	-	2,600	1,200	80	<5	<5	270	270	35	49	710	5.5	0.2
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	6.8	-	8,000	3,100	260	<5	<5	680	680	160	220	1,900	17	0.2
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	5.5	7.4	5,200	2,400	590	<5	<5	81	81	53	160	1,200	8.8	-
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	6.6	-	5,200	1,700	320	<5	<5	230	230	95	160	1,500	5.6	<0.1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	5.9	-	2,800	1,200	260	<5	<5	140	140	41	63	650	2	<0.1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	7.2	-	1,100	350	65	<5	<5	250	250	30	28	320	3	0.3
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	5.8	-	1,400	540	220	<5	<5	77	77	5.0	23	440	1	<0.1
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	6.7	-	15,000	7,600	880	<5	<5	760	760	370	620	3,800	22	0.1
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	7.0	-	13,000	5,800	1,100	<5	<5	1,400	1,400	260	370	3,100	22	0.2
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	7.0	-	11,000	4,600	760	<5	<5	860	860	180	270	1,900	13	0.5
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	6.5	-	8,100	3,500	880	<5	<5	400	400	70	170	1,900	8.7	<0.1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Physico-Chemical & Major Ions													
						pH (Lab)	Dissolved Oxygen	TDS	Chloride	Sulphate	Alkalinity (Hydroxide) as CaCO3	Carbonate as CaCO3	Bicarbonate as CaCO3	Alkalinity (total) as CaCO3	Calcium (filtered)	Magnesium (filtered)	Sodium (filtered)	Potassium (filtered)	Fluoride
						-	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						0.01	0.1	5	1	1	1	1	1	1	0.5	0.5	0.5	0.5	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						7-8.5													
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	pH	DO	TDS	Cl	SO4	Alk (H)	CO3	HCO3	Alk (T)	Ca	Mg	Na	K	F
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	5.3	8.5	7,700	3,600	590	<5	<5	80	80	62	210	2,300	5.8	-
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	7.1	8.8	820	170	38	<5	<5	310	310	20	20	210	2	-
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	7.0	-	3,900	2,100	350	<5	<5	200	200	69	100	940	44	0.6
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	7.0	-	950	260	140	<5	<5	270	270	82	37	160	13	0.2
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	7.0	-	1,600	180	500	<5	<5	540	540	240	52	180	17	0.3
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	6.0	-	3,200	1,200	900	<5	<5	140	140	320	37	290	18	0.1
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	5.5	-	15,000	7,300	3,700	<5	<5	190	190	350	670	3,700	100	<0.1
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	5.9	-	15,000	7,600	2,500	<5	<5	170	170	180	500	4,200	110	0.1
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	-	-	2,700	1,400	83	<5	<5	280	280	100	98	810	11	-
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	6.9	-	17,000	8,200	880	<5	<5	950	950	320	570	4,900	100	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	6.1	-	9,000	3,900	1,000	<5	<5	210	210	71	170	2,300	43	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	6.3	-	9,600	3,400	2,200	<5	<5	190	190	300	450	3,800	200	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	7.4	-	960	240	85	<5	<5	340	340	14	11	290	2	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	6.5	-	4,100	2,100	72	<5	<5	260	260	68	93	1,000	36	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	6.0	-	8,300	3,800	590	<5	<5	93	93	100	240	1,600	6.5	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	6.9	-	1,600	480	160	<5	<5	180	180	37	16	360	3	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	6.2	-	9,600	4,100	1,100	<5	<5	110	110	110	290	2,400	9.4	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	7.2	-	3,200	1,500	16	<5	<5	470	470	62	120	1,400	80	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	8.3	-	340	33	74	<5	<5	130	130	38	4	51	21	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	10.7	-	1,100	97	31	85	400	<5	490	2	<0.5	280	5.9	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	6.7	-	3,900	1,500	540	<5	<5	390	390	120	86	930	9.1	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	6.2	-	23,000	11,000	1,700	<5	<5	490	490	430	640	7,100	38	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	6.2	-	4,000	1,700	490	<5	<5	160	160	43	85	1,300	26	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	6.1	-	6,600	3,000	560	<5	<5	160	160	64	180	2,000	5.1	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	6.2	6.0	4,100	1,800	510	<5	<5	200	200	36	93	1,300	24	-
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	6.1	7.3	4,300	1,800	540	<5	<5	180	180	40	110	1,500	32	-
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	-	1,000	280	56	<5	<5	440	440	92	160	1,800	180	-
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	-	3,300	570	1,600	<5	<5	96	96	43	29	200	70	-
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	6.1	-	2,000	420	720	<5	<5	140	140	32	42	350	88	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	6.0	-	3,200	530	1,300	<5	<5	190	190	75	50	380	100	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	6.4	-	4,700	2,000	610	<5	<5	420	420	69	100	1,000	130	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	7.4	-	580	80	42	<5	<5	360	360	59	38	65	7.0	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	7.0	-	1,200	490	2	<5	<5	240	240	65	31	310	11	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	8.5	-	700	99	42	<5	<5	100	120	16	4	96	16	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	6.1	-	6,600	2,600	790	<5	<5	470	470	66	130	1,800	190	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	6.1	-	2,200	400	800	<5	<5	220	220	46	83	540	140	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	6.7	-	1,200	140	340	<5	<5	380	380	69	38	140	31	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	6.0	-	5,800	1,000	2,200	<5	<5	330	330	95	130	900	140	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	5.6	-	6,500	1,200	2,500	<5	<5	130	130	68	63	610	170	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Physico-Chemical & Major Ions													
pH (Lab)	Dissolved Oxygen	TDS	Chloride	Sulphate	Alkalinity (Hydroxide) as CaCO3	Carbonate as CaCO3	Bicarbonate as CaCO3	Alkalinity (total) as CaCO3	Calcium (filtered)	Magnesium (filtered)	Sodium (filtered)	Potassium (filtered)	Fluoride
-	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													
0.01	0.1	5	1	1	1	1	1	1	0.5	0.5	0.5	0.5	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	pH	Dissolved Oxygen	TDS	Chloride	Sulphate	Alkalinity (Hydroxide) as CaCO3	Carbonate as CaCO3	Bicarbonate as CaCO3	Alkalinity (total) as CaCO3	Calcium (filtered)	Magnesium (filtered)	Sodium (filtered)	Potassium (filtered)	Fluoride
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	6.2	-	150	23	55	<5	<5	23	23	6.8	9.5	24	9.2	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	5.8	-	390	170	16	<5	<5	34	34	5.6	9.6	100	0.7	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	6.4	-	440	45	49	<5	<5	74	74	5.5	9.4	70	3	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	6.3	-	360	64	51	<5	<5	69	69	2	2	110	0.9	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	6.4	-	410	46	120	<5	<5	88	88	6.3	8.6	110	2	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	5.9	-	360	70	32	<5	<5	22	22	4	13	84	<0.5	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	6.6	-	460	20	110	<5	<5	86	86	6.5	16	98	3	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	7.1	-	380	21	31	<5	<5	280	280	19	24	77	0.7	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	7.7	-	470	52	150	<5	<5	120	120	13	5.8	140	2	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	8.1	-	460	26	98	<5	<5	150	150	18	6.5	110	5.7	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	6.2	9.2	220	24	47	<5	<5	23	23	7.0	9.3	24	9.5	-
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	5.7	9.3	440	170	20	<5	<5	30	30	5.3	8.4	120	0.5	-
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	6.4	9.5	440	52	89	<5	<5	110	110	7.0	8.6	110	2	-
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	6.3	8.9	1,100	500	51	<5	<5	60	60	8.7	12	220	0.9	-
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	6.7	9.0	31	2	<1	<5	<5	23	23	6.4	<0.5	2	1	-
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	6.5	9.5	240	42	39	<5	<5	62	62	5	7.6	72	3	-
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	6.8	9.4	30	1	1	<5	<5	23	23	6.0	<0.5	2	2	-
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	6.7	9.0	31	2	<1	<5	<5	23	23	6.4	<0.5	2	1	-
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	6.6	9.5	170	28	24	<5	<5	50	50	12	5	29	3	-
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	5.9	8.5	380	200	22	<5	<5	26	26	5	10	110	<0.5	-
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	6.7	9.1	390	61	120	<5	<5	97	97	5.5	7.8	120	2	-
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	6.7	-	330	42	91	<5	<5	110	110	7.4	8.0	100	2	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	6.3	-	360	61	130	<5	<5	73	73	4	3	110	3	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	6.3	-	160	43	32	<5	<5	49	49	9.0	7.0	47	3	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	6.6	-	76	16	5	<5	<5	29	29	12	1	8.9	3	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	5.7	-	-	6,600	1,100	<5	<5	160	160	120	480	3,600	12	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	6.5	-	-	9,200	890	<5	<5	470	470	350	730	4,600	20	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	5.4	-	-	12,000	1,600	<5	<5	67	67	210	1,000	5,600	12	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	-	-	970	180	66	<5	<5	290	290	18	22	220	9.2	-
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	6.3	7.8	23,000	9,300	740	<5	<5	710	710	930	730	3,600	76	-
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	5.5	6.3	18,000	8,400	1,000	<5	<5	77	77	190	700	3,800	15	-
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	6.1	-	16,000	8,400	940	<5	<5	150	150	200	670	4,300	16	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	6.4	-	7,700	2,600	2,100	<5	<5	380	380	320	230	1,200	100	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	4.9	-	16,000	7,600	1,200	<5	<5	11	11	78	620	4,000	7.2	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	5.9	-	18,000	9,400	1,200	<5	<5	110	110	160	750	4,600	10	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	5.5	-	16,000	8,500	1,100	<5	<5	38	38	140	630	4,300	13	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	6.6	-	22,000	11,000	1,500	<5	<5	330	330	450	1,100	4,800	24	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	7.2	-	16,000	7,500	960	<5	<5	320	320	330	650	3,400	22	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	6.2	-	21,000	9,300	1,000	<5	<5	220	220	210	780	4,500	19	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Physico-Chemical & Major Ions													
						pH (Lab)	Dissolved Oxygen	TDS	Chloride	Sulphate	Alkalinity (Hydroxide) as CaCO3	Carbonate as CaCO3	Bicarbonate as CaCO3	Alkalinity (total) as CaCO3	Calcium (filtered)	Magnesium (filtered)	Sodium (filtered)	Potassium (filtered)	Fluoride
						-	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						0.01	0.1	5	1	1	1	1	1	1	0.5	0.5	0.5	0.5	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						7-8.5													
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	pH	DO	TDS	Cl	SO4	Alk (H)	CO3	HCO3	Alk (T)	Ca	Mg	Na	K	F
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	6.9	-	18,000	9,300	1,300	<5	<5	300	300	460	790	4,500	22	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	6.7	-	12,000	6,100	720	<5	<5	120	120	140	490	3,100	14	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	6.2	-	12,000	5,800	910	<5	<5	130	130	120	420	3,100	9.8	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	7.1	-	14,000	7,200	940	<5	<5	240	240	230	510	3,600	31	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	-	-	370	28	83	<5	<5	5	5	<0.5	0.7	58	<0.5	-
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	-	-	490	37	110	<5	<5	24	24	<0.5	1	88	0.7	-
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	5.5	-	1,200	210	570	<5	<5	51	51	3	11	380	7.4	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	6.4	-	2,400	450	1,100	<5	<5	220	220	6.5	33	650	14	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	5.1	-	380	32	190	<5	<5	21	21	0.7	2	130	1	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	7.6	-	2,800	430	630	<5	<5	1,100	1,100	41	79	700	30	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	7.5	-	3,200	680	620	<5	<5	1,300	1,300	42	74	1,100	34	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	5.3	-	920	330	180	<5	<5	17	17	2	5	290	6.2	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	6.9	-	5,400	2,000	670	<5	<5	890	890	59	130	1,800	41	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	7.1	8.6	2,100	240	540	<5	<5	670	670	20	25	560	15	-
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	9.5	7.9	440	25	13	<5	120	190	310	5.2	0.9	140	12	-
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	6.8	7.2	6,000	2,700	520	<5	<5	810	810	59	190	1,900	38	-
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	6.9	8.9	120	20	17	<5	<5	32	32	7.5	2	19	1	-

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Inorganics				Anilines						Nitrogen			
	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline	Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
	mgCaCO3/L	µS/cm	mgCaCO3/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL	3	1	3	1	5	5	5	5	5	5	0.005	0.005	0.1	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											0.91	0.91		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline	Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	2,100	20,000	-	-	-	-	-	-	-	-	-	0.009	0.2	<0.2
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	1,300	5,100	-	-	-	-	-	-	-	-	-	0.29	0.7	0.4
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	3,400	26,000	-	-	-	-	-	-	-	-	-	0.63	0.7	<0.2
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	3,300	43,000	-	-	-	-	-	-	-	-	-	0.80	1.0	0.2
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	8,200	48,000	-	-	-	-	-	-	-	-	-	1.4	1.6	<0.2
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	930	10,000	-	-	-	-	-	-	-	-	-	0.036	0.2	<0.2
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	420	7,600	-	-	-	-	-	-	-	-	-	0.020	0.1	<0.2
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	1,900	19,000	-	-	-	-	-	-	-	-	-	0.044	0.2	<0.2
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	2,200	17,000	-	-	-	-	-	-	-	-	-	0.057	0.2	<0.2
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	610	2,200	-	-	-	-	-	-	-	-	-	0.090	0.3	<0.2
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	2,400	18,000	-	-	-	-	-	-	-	-	-	0.11	0.3	0.2
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	2,900	22,000	-	-	-	-	-	-	-	-	-	0.10	0.2	<0.2
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	120	2,500	-	-	-	-	-	-	-	-	-	0.014	0.1	<0.2
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	4,100	24,000	-	-	-	-	-	-	-	-	-	0.52	20	19
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	1,400	12,000	-	-	-	-	-	-	-	-	-	0.20	0.4	0.2
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	1,300	17,000	-	-	-	-	-	-	-	-	-	0.72	2.4	1.7
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	490	6,100	-	-	-	-	-	-	-	-	-	0.049	0.2	<0.2
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	1,100	3,600	-	-	-	-	-	-	-	-	-	2.3	2.2	<0.2
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	2,200	18,000	-	-	-	-	-	-	-	-	-	0.21	0.4	<0.2
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	1,200	11,000	-	-	-	-	-	-	-	-	-	0.17	0.3	<0.2
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	4,000	29,000	-	-	-	-	-	-	-	-	-	0.067	0.3	0.2
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	3,100	27,000	-	-	-	-	-	-	-	-	-	0.081	0.2	<0.2
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	5,000	32,000	-	-	-	-	-	-	-	-	-	0.41	0.4	<0.2
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	5,800	-	-	-	<5	<5	<5	<5	<5	<5	-	1.3	-	-
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	7,200	-	-	-	<5	<5	<5	<5	<5	<5	-	0.12	-	-
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	1,500	3,500	-	-	-	-	-	-	-	-	-	0.29	0.5	0.3
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	790	7,000	-	-	-	-	-	-	-	-	-	0.047	<0.1	<0.2
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	1,200	2,100	-	-	-	-	-	-	-	-	-	0.38	0.6	0.2
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	1,300	6,800	-	-	-	-	-	-	-	-	-	4.0	8.0	4.0
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	4,900	35,000	-	-	-	-	-	-	-	-	-	1.2	1.5	0.3
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	4,300	26,000	-	-	-	-	-	-	-	-	-	0.16	0.3	<0.2
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	6,400	31,000	-	-	-	-	-	-	-	-	-	0.088	0.2	<0.2
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	7,900	35,000	-	-	-	-	-	-	-	-	-	1.3	1.8	0.4
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	980	5,500	-	-	-	-	-	-	-	-	-	0.43	1.2	0.8
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	310	5,500	-	-	-	-	-	-	-	-	-	0.078	0.2	<0.2
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	1,500	12,000	-	-	-	-	-	-	-	-	-	0.16	0.5	0.3
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	10,000	48,000	-	-	-	-	-	-	-	-	-	2.0	3.4	1.4
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	550	6,400	-	-	-	-	-	-	-	-	-	0.37	0.7	0.4
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	5,700	27,000	-	-	-	-	-	-	-	-	-	0.44	0.6	<0.2
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation
Data

	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Inorganics				Anilines					Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
			Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline					
	mgCaCO3/L	µS/cm	mgCaCO3/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL	3	1	3	1	5	5	5	5	5	5	5	0.005	0.005	0.1	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)												0.91	0.91		
PFAS NEMP 2020 Interim Marine 99%															
ANZECC 2000 SE Aust Triggers - Estuaries															
NEPM 2013 Table 1C GILs, Marine Waters															

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline	Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	8,100	46,000	-	-	<5	<5	<5	<5	<5	<5	-	1.9	2.1	-
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	3,600	25,000	-	-	<5	<5	<5	<5	<5	<5	-	0.71	0.8	-
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	4,300	34,000	-	-	<5	<5	<5	<5	<5	<5	-	1.9	2.0	-
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	1,800	3,400	-	-	<5	<5	<5	<5	<5	<5	-	0.53	1.4	-
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	2,400	22,000	-	-	<5	<5	<5	<5	<5	<5	-	1.7	1.9	-
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	1,500	16,000	-	-	-	-	-	-	-	-	-	0.075	0.2	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	16	460	-	-	-	-	-	-	-	-	-	0.036	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	1,400	15,000	-	-	-	-	-	-	-	-	-	0.092	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	1,700	16,000	-	-	-	-	-	-	-	-	-	0.23	0.4	<0.2
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	4,500	-	-	-	<5	<5	<5	<5	<5	<5	-	1.9	-	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	1,000	-	-	-	<5	<5	10	<5	<5	<5	-	16	-	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	4,700	-	-	-	<5	<5	<5	<5	<5	<5	-	0.79	-	-
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	360	-	-	-	<5	<5	<5	<5	<5	<5	-	0.16	-	-
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	1,600	-	-	-	<5	<5	<5	<5	<5	<5	-	2.3	-	-
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	130	-	-	-	<5	<5	<5	<5	<5	<5	-	4.1	-	-
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	390	-	-	-	<5	<5	<5	<5	<5	<5	-	9.9	-	-
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	1,600	13,000	-	-	<5	<5	<5	<5	<5	<5	-	0.18	0.2	-
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	4,000	29,000	-	-	<5	<5	<5	<5	<5	<5	-	1.1	1	-
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	780	-	-	-	<5	<5	<5	<5	<5	<5	-	0.23	-	-
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	3,500	25,000	-	-	<5	<5	<5	<5	<5	<5	-	0.16	0.3	<0.2
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	380	5,500	-	-	-	-	-	-	-	-	-	0.12	0.2	<0.2
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	430	4,300	-	-	<5	<5	<5	<5	<5	<5	-	0.17	0.5	0.3
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	280	4,100	-	-	-	-	-	-	-	-	-	0.060	<0.1	<0.2
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	1,600	15,000	-	-	-	-	-	-	-	-	-	0.041	0.1	<0.2
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	3,700	25,000	-	-	<5	<5	<5	<5	<5	<5	-	0.013	0.2	0.2
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	290	5,000	-	-	-	-	-	-	-	-	-	2.3	4.1	1.8
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	1,300	12,000	-	-	-	-	-	-	-	-	-	0.38	0.4	<0.2
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	800	8,700	-	-	<5	<5	<5	<5	<5	<5	-	0.20	0.5	-
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	910	8,600	-	-	<5	<5	<5	<5	<5	<5	-	0.12	0.5	0.4
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	360	4,500	-	-	<5	<5	<5	<5	<5	<5	-	0.33	0.7	0.4
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	190	1,800	-	-	<5	<5	<5	<5	<5	<5	-	0.45	0.8	0.3
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	110	2,500	-	-	-	-	-	-	-	-	-	0.074	0.2	<0.2
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	3,500	24,000	-	-	-	-	-	-	-	-	-	0.25	0.2	<0.2
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	2,200	19,000	-	-	<5	<5	<5	<5	<5	<5	-	0.38	0.4	<0.2
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	1,500	15,000	-	-	<5	<5	<5	<5	<5	<5	-	0.16	0.5	0.3
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	890	12,000	-	-	<5	<5	<5	<5	<5	<5	-	0.093	0.2	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	Inorganics					Anilines					Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
					2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline	mg/L	mg/L	mg/L	mg/L				
	mgCaCO3/L	µS/cm	mgCaCO3/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	
EQL	3	1	3	1	5	5	5	5	5	5	5	5	0.005	0.005	0.1	0.2		
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													0.91	0.91				
PFAS NEMP 2020 Interim Marine 99%																		
ANZECC 2000 SE Aust Triggers - Estuaries																		
NEPM 2013 Table 1C GLs, Marine Waters																		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline	Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	-	12,000	1,000	-	<5	<5	<5	<5	<5	<5	-	0.27	0.4	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	1,200	130	-	<5	<5	<5	<5	<5	<5	-	0.41	0.6	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	600	7,100	-	-	-	-	-	-	-	-	-	0.29	0.4	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	360	1,600	-	-	-	-	-	-	-	-	-	0.074	<0.1	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	820	2,200	-	-	-	-	-	-	-	-	-	1.1	1.1	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	950	5,100	-	-	-	-	-	-	-	-	-	3.7	3.7	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	3,600	24,000	-	-	-	-	-	-	-	-	-	0.87	2.8	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	2,500	23,000	-	-	-	-	-	-	-	-	-	0.83	2.1	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	660	-	-	-	<5	<5	<5	<5	<5	<5	-	0.39	-	-
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	3,100	26,000	-	-	-	-	-	-	-	-	-	0.96	1.4	0.4
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	870	13,000	-	-	-	-	-	-	-	-	-	1.6	3.2	1.6
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	2,600	12,000	-	-	-	-	-	-	-	-	-	4.7	7.3	2.7
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	82	1,400	-	-	-	-	-	-	-	-	-	0.061	0.2	<0.2
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	550	4,900	-	-	-	-	-	-	-	-	-	7.1	11	4.1
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	1,300	9,400	-	-	-	-	-	-	-	-	-	0.20	0.8	0.6
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	160	2,400	-	-	-	-	-	-	-	-	-	0.032	0.5	0.5
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	1,500	14,000	-	-	-	-	-	-	-	-	-	0.021	0.3	0.2
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	650	5,400	-	-	-	-	-	-	-	-	-	18	25	7.1
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	110	520	-	-	-	-	-	-	-	-	-	0.28	0.3	<0.2
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	6.0	1,400	-	-	-	-	-	-	-	-	-	2.3	4.1	1.8
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	660	6,500	-	-	-	-	-	-	-	-	-	0.18	0.3	<0.2
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	3,700	33,000	-	-	-	-	-	-	-	-	-	1.4	1.4	<0.2
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	460	6,300	-	-	-	-	-	-	-	-	-	2.5	2.8	0.3
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	910	9,800	-	-	-	-	-	-	-	-	-	0.070	<0.1	<0.2
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	470	7,100	-	-	<5	<5	<5	<5	<5	<5	-	3.2	3.5	-
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	-	7,400	560	-	<5	<5	<5	<5	<5	<5	-	3.2	3.4	<0.2
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	880	-	-	-	<5	<5	<5	<5	<5	<5	-	17	-	-
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	230	-	-	-	<5	<5	<5	<5	<5	<5	-	6.4	-	-
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	250	2,900	-	-	-	-	-	-	-	-	-	8.1	12	4.4
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	390	3,900	-	-	-	-	-	-	-	-	-	8.7	15	6.1
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	600	7,700	-	-	-	-	-	-	-	-	-	15	19	3.8
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	310	930	-	-	-	-	-	-	-	-	-	1.5	1.8	0.3
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	290	1,800	-	-	-	-	-	-	-	-	-	3.2	12	8.4
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	58	660	-	-	-	-	-	-	-	-	-	1.5	1.8	0.3
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	700	10,000	-	-	-	-	-	-	-	-	-	22	22	<0.2
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	460	3,100	-	-	-	-	-	-	-	-	-	7.1	8.8	1.7
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	330	1,700	-	-	-	-	-	-	-	-	-	5.7	6.5	0.9
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	780	6,900	-	-	-	-	-	-	-	-	-	7.5	11	3.1
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	430	7,400	-	-	-	-	-	-	-	-	-	7.3	10	3.1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Inorganics		Anilines						Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N	
			Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline					
	mgCaCO3/L	µS/cm	mgCaCO3/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL	3	1	3	1	5	5	5	5	5	5	5	0.005	0.005	0.1	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)												0.91	0.91		
PFAS NEMP 2020 Interim Marine 99%															
ANZECC 2000 SE Aust Triggers - Estuaries															
NEPM 2013 Table 1C GILs, Marine Waters															

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline	Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	56	280	-	-	-	-	-	-	-	-	-	<0.005	1.1	1.1
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	54	690	-	-	-	-	-	-	-	-	-	<0.005	0.2	0.2
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	53	480	-	-	-	-	-	-	-	-	-	<0.005	0.5	0.5
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	14	570	-	-	-	-	-	-	-	-	-	0.032	0.6	0.6
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	51	660	-	-	-	-	-	-	-	-	-	<0.005	0.3	0.3
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	64	540	-	-	-	-	-	-	-	-	-	0.027	<0.1	<0.2
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	81	620	-	-	-	-	-	-	-	-	-	0.052	<0.1	<0.2
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	150	580	-	-	-	-	-	-	-	-	-	0.093	0.3	<0.2
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	57	740	-	-	-	-	-	-	-	-	-	<0.005	<0.1	<0.2
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	72	640	-	-	-	-	-	-	-	-	-	0.005	<0.1	<0.2
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	56	270	-	-	<5	<5	<5	<5	<5	<5	-	0.005	0.1	-
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	48	700	-	-	<5	<5	<5	<5	<5	<5	-	<0.005	<0.1	-
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	53	600	-	-	<5	<5	<5	<5	<5	<5	-	0.005	<0.1	-
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	72	2,200	-	-	<5	<5	<5	<5	<5	<5	-	0.006	<0.1	-
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	16	51	-	-	<5	<5	<5	<5	<5	<5	-	0.22	0.5	-
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	43	440	-	-	<5	<5	<5	<5	<5	<5	-	<0.005	<0.1	-
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	15	49	-	-	<5	<5	<5	<5	<5	<5	-	0.009	0.2	-
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	16	51	-	-	<5	<5	<5	<5	<5	<5	-	0.22	0.5	-
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	-	290	50	-	<5	<5	<5	<5	<5	<5	-	<0.005	0.8	0.8
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	-	790	55	-	<5	<5	<5	<5	<5	<5	-	0.008	<0.1	<0.2
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	-	700	46	-	<5	<5	<5	<5	<5	<5	-	<0.005	0.7	0.7
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	570	51	-	-	-	-	-	-	-	-	0.017	<0.1	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	610	24	-	-	-	-	-	-	-	-	0.026	<0.1	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	310	51	-	-	-	-	-	-	-	-	<0.005	0.8	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	120	36	-	-	-	-	-	-	-	-	<0.005	0.2	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	2,300	20,000	-	-	-	-	-	-	-	-	-	0.21	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	3,900	27,000	-	-	-	-	-	-	-	-	-	1.7	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	4,700	33,000	-	-	-	-	-	-	-	-	-	0.17	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	130	-	-	-	<5	<5	<5	<5	<5	<5	-	0.018	-	-
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	5,400	27,000	-	-	<5	<5	<5	<5	<5	<5	-	7.1	8.2	-
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	3,300	24,000	-	-	<5	<5	<5	<5	<5	<5	-	1.4	1.4	-
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	3,300	25,000	-	-	-	-	-	-	-	-	-	1.4	1.4	<0.2
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	1,800	12,000	-	-	-	-	-	-	-	-	-	4.9	9.8	4.9
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	2,700	24,000	-	-	-	-	-	-	-	-	-	0.12	1	0.8
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	3,500	29,000	-	-	-	-	-	-	-	-	-	0.68	2.2	1.5
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	3,000	25,000	-	-	-	-	-	-	-	-	-	0.98	2.7	1.7
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	5,500	31,000	-	-	-	-	-	-	-	-	-	0.96	1.7	0.7
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	3,500	23,000	-	-	-	-	-	-	-	-	-	1.1	3.0	1.9
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	3,700	28,000	-	-	-	-	-	-	-	-	-	0.68	0.9	0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Hardness as CaCO3 (filtered)	Inorganics				Anilines						Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
		Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline					
	mgCaCO3/L	µS/cm	mgCaCO3/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
EQL	3	1	3	1	5	5	5	5	5	5	5	0.005	0.005	0.1	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)												0.91	0.91		
PFAS NEMP 2020 Interim Marine 99%															
ANZECC 2000 SE Aust Triggers - Estuaries															
NEPM 2013 Table 1C GILs, Marine Waters															

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hardness as CaCO3 (filtered)	Electrical Conductivity (Non Compensated)	Hardness (filtered)	Salinity	2-nitroaniline	3-nitroaniline	4-chloroaniline	4-nitroaniline	2-methyl-5-nitroaniline	Aniline	Ammonia as N	Ammonia as N (filtered)	Kjeldahl Nitrogen Total	Organic Nitrogen as N
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	4,400	28,000	-	-	-	-	-	-	-	-	-	0.36	0.7	0.3
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	2,300	16,000	-	-	-	-	-	-	-	-	-	0.87	1.5	0.6
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	2,000	19,000	-	-	-	-	-	-	-	-	-	0.56	0.8	0.3
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	2,700	22,000	-	-	-	-	-	-	-	-	-	1.1	1.8	0.7
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<3	-	-	-	<5	<5	<5	<5	<5	<5	-	<0.005	-	-
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	4.5	-	-	-	<5	<5	<5	<5	<5	<5	-	0.012	-	-
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	50	2,000	-	-	-	-	-	-	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	150	4,000	-	-	-	-	-	-	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	9.6	630	-	-	-	-	-	-	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	430	4,200	-	-	-	-	-	-	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	410	5,000	-	-	-	-	-	-	-	-	-	0.25	0.6	0.4
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	24	1,600	-	-	-	-	-	-	-	-	-	0.12	0.5	0.3
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	680	8,700	-	-	-	-	-	-	-	-	-	0.47	0.8	0.3
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	150	3,100	-	-	<5	<5	<5	<5	<5	<5	-	0.14	0.4	-
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	-	700	17	-	<5	<5	<5	<5	<5	<5	-	<0.005	0.3	0.3
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	-	9,600	910	-	<5	<5	<5	<5	<5	<5	-	-	-	-
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	-	180	25	-	<5	<5	<5	<5	<5	<5	-	0.005	0.1	<0.2

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Nutrients													
						Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L
EQL						0.005	0.005	0.005	0.005	0.005	0.01	0.1	0.01	0.005	0.005	0.01	1	0.001	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						0.015						0.3		0.005	0.005				
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	0.04	-	0.04	-	<0.005	-	0.2	-	-	<0.005	-	1	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.02	-	0.02	-	<0.005	-	0.8	-	-	<0.005	-	2	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.7	-	-	<0.05	<0.01	5	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	1.0	-	-	<0.005	-	<1	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.01	-	<0.01	-	<0.010	-	1.6	-	-	<0.05	-	6	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.01	-	0.01	-	<0.005	-	0.2	-	-	<0.005	-	<1	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.1	-	0.14	-	<0.005	-	0.3	-	-	<0.005	-	<1	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.2	-	-	<0.005	-	<1	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.2	-	-	<0.005	-	1	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.89	-	0.87	-	0.019	-	1.2	-	-	<0.005	-	4	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.3	-	-	0.006	-	<1	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.02	-	0.02	-	<0.005	-	0.2	-	-	0.01	-	<1	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.04	-	0.04	-	<0.005	-	0.2	-	-	<0.005	-	<1	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.05	-	<0.050	-	<0.005	-	20	-	-	<0.05	-	9	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.4	-	-	0.007	-	<1	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	0.006	-	2.4	-	-	<0.005	-	15	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.2	-	-	0.006	-	<1	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.01	-	0.007	-	0.007	-	2.3	-	-	<0.005	-	<1	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.4	-	-	<0.005	-	2	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.04	-	0.04	-	<0.005	-	0.4	-	-	0.005	-	<1	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.02	-	0.01	-	0.005	-	0.3	-	-	<0.005	-	21	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.007	-	0.005	-	<0.005	-	0.2	-	-	<0.005	-	2	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.4	-	-	<0.005	-	2	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	0.1	-	-	-	-	-	1.2	-	-	<0.005	0.03	5	-	-
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	0.006	-	-	-	-	-	0.1	-	-	<0.005	0.01	<1	-	-
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.5	-	-	<0.05	-	<1	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	0.2	-	0.18	-	<0.005	-	0.2	-	-	<0.005	-	<1	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.2	-	0.16	-	0.007	-	0.8	-	-	<0.005	-	<1	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.01	-	0.008	-	<0.005	-	8.0	-	-	<0.005	-	2	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	0.01	-	0.007	-	<0.005	-	1.5	-	-	0.006	-	1	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	0.03	-	0.02	-	<0.005	-	0.3	-	-	<0.005	-	<1	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	0.02	-	0.02	-	<0.005	-	0.2	-	-	<0.005	-	<1	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.008	-	0.008	-	<0.005	-	1.8	-	-	<0.005	-	1	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.1	-	0.14	-	0.008	-	1.4	-	-	0.03	0.06	<1	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.2	-	-	<0.005	0.02	<1	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	0.01	-	<0.005	-	0.01	-	0.5	-	-	<0.005	-	1	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	0.01	-	0.005	-	0.006	-	3.5	-	-	<0.005	-	2	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.7	-	-	<0.005	-	<1	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	0.55	-	0.27	-	0.28	-	1.1	-	-	<0.005	-	<1	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Nutrients													
						Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L
EQL						0.005	0.005	0.005	0.005	0.005	0.01	0.1	0.01	0.005	0.005	0.01	1	0.001	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						0.015						0.3		0.005					
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	<0.02	-	<0.005	-	2.2	-	-	<0.005	<0.01	10	-	-
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	<0.01	-	<0.005	-	0.9	-	-	<0.005	<0.01	5	-	-
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	<0.005	-	<0.005	-	2.0	-	-	<0.005	<0.01	4	-	-
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	-	<0.005	-	<0.005	-	1.4	-	-	<0.005	<0.01	<1	-	-
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	-	0.04	-	<0.005	-	2.0	-	-	<0.005	<0.01	3	-	-
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	0.96	-	0.95	-	0.014	-	1.2	-	-	<0.005	-	<1	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	<1	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	0.02	-	0.01	-	0.008	-	0.4	-	-	<0.005	-	<1	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.05	-	-	-	-	-	2.6	-	-	<0.005	0.02	5	-	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.005	-	-	-	-	-	22	-	-	<0.005	0.03	8	-	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.01	-	-	-	-	-	0.9	-	-	<0.005	0.14	4	-	-
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	0.02	-	-	-	-	-	0.4	-	-	<0.005	<0.01	2	-	-
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	0.01	-	-	-	-	-	2.4	-	-	<0.005	<0.01	3	-	-
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.005	-	-	-	-	-	5.5	-	-	<0.005	<0.01	20	-	-
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	0.01	-	-	-	-	-	13	-	-	<0.005	<0.01	5	-	-
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	-	1.0	-	0.12	-	1.4	-	-	0.007	<0.01	<1	-	-
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	-	<0.005	-	<0.005	-	1	-	-	<0.005	<0.01	1	-	-
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<0.01	-	-	-	-	-	0.4	-	-	<0.005	0.02	<1	-	-
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	0.01	-	0.01	-	<0.005	-	0.3	-	-	0.04	<0.01	<1	-	-
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	0.01	-	0.01	-	<0.005	-	0.2	-	-	0.01	<0.01	<1	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	0.01	-	0.01	-	<0.005	-	0.5	-	-	<0.005	0.02	2	-	-
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	0.01	-	0.01	-	<0.005	-	0.1	-	-	<0.005	<0.01	<1	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.1	-	-	0.006	<0.01	<1	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.2	-	-	0.03	0.01	<1	-	-
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.005	-	<0.005	-	0.008	-	4.1	-	-	<0.005	<0.01	2	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.4	-	-	<0.005	<0.01	<1	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	-	-	<0.005	-	<0.005	-	0.5	-	-	<0.005	<0.01	<1	-	-
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	0.03	-	0.02	-	<0.005	-	0.5	-	-	<0.005	0.01	<1	-	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.7	-	-	<0.005	0.02	<1	-	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.8	-	-	<0.005	1.5	2	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.2	-	-	<0.005	0.01	<1	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	0.02	-	0.01	-	<0.005	-	0.2	-	-	<0.005	<0.01	<1	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.4	-	-	<0.005	0.02	<1	-	-
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	0.02	-	0.01	-	<0.005	-	0.5	-	-	<0.005	0.02	3	-	-
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	0.1	-	0.093	-	0.014	-	0.3	-	-	<0.005	0.01	<1	-	-

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						Nutrients													
						Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L
EQL						0.005	0.005	0.005	0.005	0.005	0.01	0.1	0.01	0.005	0.005	0.01	1	0.001	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						0.015						0.3		0.005	0.005				
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.4	-	-	<0.005	-	1	0.039	<0.0005
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.6	-	-	<0.005	-	7	0.23	<0.0005
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	1.1	-	1.1	-	<0.005	-	1.6	-	-	<0.005	-	<1	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	0.85	-	0.85	-	<0.005	-	0.9	-	-	<0.005	-	<1	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	0.2	-	0.15	-	0.011	-	1.3	-	-	<0.005	-	1	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	5.5	-	5.5	-	0.019	-	9.2	-	-	<0.05	-	1	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.01	-	<0.005	-	<0.01	-	2.8	-	-	<0.005	-	12	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.01	-	<0.005	-	0.009	-	2.1	-	-	<0.05	-	4	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<0.005	-	-	-	-	-	0.9	-	-	<0.005	<0.01	4	-	-
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	1.4	-	-	<0.005	0.01	4	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.02	-	<0.02	-	<0.005	-	3.2	-	-	0.006	-	3	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.02	-	<0.02	-	<0.025	-	7.3	-	-	<0.05	-	7	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	0.02	-	0.02	-	<0.005	-	0.2	-	-	0.008	-	2	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.02	-	<0.02	-	<0.025	-	11	-	-	<0.05	0.02	5	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	0.006	-	0.007	-	<0.005	-	0.8	-	-	0.02	0.47	<1	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	0.4	-	0.36	-	0.047	-	0.9	-	-	<0.005	0.01	<1	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	0.09	-	0.082	-	0.009	-	0.3	-	-	<0.005	0.03	<1	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	0.1	-	0.14	-	0.008	-	25	-	-	<0.005	0.05	19	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	0.4	-	0.38	-	0.049	-	0.7	-	-	0.04	0.01	3	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	4.1	-	-	0.79	0.29	12	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	0.006	-	<0.005	-	<0.005	-	0.3	-	-	0.15	<0.01	2	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	0.4	-	0.39	-	<0.005	-	1.8	-	-	<0.005	0.08	7	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.01	-	<0.01	-	<0.005	-	2.8	-	-	<0.05	<0.01	12	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	0.006	-	0.006	-	<0.005	-	0.1	-	-	<0.005	<0.01	<1	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	-	-	<0.005	-	<0.005	-	3.5	-	-	<0.005	<0.01	11	-	-
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	3.4	-	-	<0.005	-	1	0.15	<0.0005
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	0.03	-	-	-	-	-	13	-	-	<0.05	0.01	9	-	-
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	0.02	-	-	-	-	-	7.9	-	-	<0.05	0.05	41	-	-
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	0.3	-	0.34	-	<0.005	-	13	-	-	<0.05	<0.01	2	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	0.1	-	0.094	-	<0.005	-	15	-	-	<0.05	0.02	62	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	19	-	-	<0.05	<0.01	7	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	0.008	-	0.008	-	<0.005	-	1.8	-	-	<0.005	<0.01	5	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	12	-	-	<0.005	<0.01	3	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	0.01	-	0.01	-	<0.005	-	1.8	-	-	0.096	0.07	3	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.05	-	<0.050	-	<0.050	-	22	-	-	<0.05	0.03	13	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	8.8	-	-	<0.005	0.07	26	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	0.007	-	0.006	-	<0.005	-	6.5	-	-	0.082	<0.01	24	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.05	-	<0.01	-	<0.05	-	11	-	-	<0.1	0.01	2	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.05	-	<0.01	-	<0.05	-	10	-	-	<0.1	0.03	83	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Nutrients													
						Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L
EQL						0.005	0.005	0.005	0.005	0.005	0.01	0.1	0.01	0.005	0.005	0.01	1	0.001	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						0.015						0.3		0.005	0.005				
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	1.7	-	1.7	-	<0.005	-	2.8	-	-	<0.005	<0.01	<1	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	0.52	-	0.52	-	0.008	-	0.7	-	-	<0.005	0.03	<1	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	7.6	-	7.6	-	<0.005	-	8.2	-	-	<0.005	0.02	<1	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	10	-	10	-	<0.005	-	11	-	-	<0.005	<0.01	<1	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	3.2	-	3.0	-	0.16	-	3.5	-	-	<0.005	<0.01	<1	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	22	-	22	-	0.007	-	20	-	-	<0.005	<0.01	<1	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	16	-	16	-	<0.005	-	14	-	-	<0.005	<0.01	<1	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	0.02	-	0.01	-	<0.005	-	0.3	-	-	<0.005	0.01	<1	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	0.1	-	0.11	-	0.008	-	0.2	-	-	<0.005	<0.01	<1	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	4.0	-	4.0	-	0.018	-	4.1	-	-	<0.005	<0.01	<1	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	-	-	4.5	-	<0.005	-	4.7	-	-	<0.005	<0.01	<1	-	-
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	-	-	0.32	-	<0.005	-	0.3	-	-	<0.005	0.03	<1	-	-
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	-	-	3.8	-	<0.005	-	3.7	-	-	<0.005	<0.01	<1	-	-
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	-	-	27.6946	-	<0.005	-	29	-	-	<0.005	0.01	<1	-	-
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	0.092	-	<0.005	-	0.6	-	-	0.007	0.05	<1	-	-
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	-	-	8.8	-	0.049	-	8.9	-	-	<0.005	<0.01	<1	-	-
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	0.02	-	<0.005	-	0.2	-	-	0.01	0.04	<1	-	-
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	0.092	-	<0.005	-	0.6	-	-	0.007	0.05	<1	-	-
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	3.5	-	3.4	-	0.01	-	4.2	-	-	0.009	-	<1	0.053	<0.0005
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	0.02	-	0.01	-	<0.005	-	0.1	-	-	<0.005	-	<1	0.12	<0.0005
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	3.2	-	3.2	-	<0.005	-	4.0	-	-	<0.005	-	<1	0.083	<0.0005
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	3.1	-	3.1	-	<0.005	-	3.1	-	-	0.005	-	<1	-	<0.0005
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	0.1	-	0.10	-	<0.005	-	0.2	-	-	<0.005	-	<1	-	<0.0005
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	2.9	-	2.9	-	<0.005	-	3.8	-	-	0.01	-	<1	-	<0.0005
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	0.2	-	-	0.01	-	<1	-	<0.0005
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	0.01	-	-	-	-	-	0.3	-	-	0.005	<0.01	<1	-	-
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	-	<0.005	-	<0.005	-	8.2	-	-	<0.005	0.04	<1	-	-
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	-	0.007	-	0.008	-	1.4	-	-	<0.005	<0.01	3	-	-
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	1.4	-	-	<0.005	-	2	-	<0.0005
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	0.008	-	0.007	-	<0.005	-	9.8	-	-	<0.005	-	5	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	0.006	-	0.006	-	<0.005	-	1	-	-	<0.005	-	1	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	2.2	-	-	<0.005	-	2	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.005	-	<0.005	-	<0.005	-	2.7	-	-	<0.005	-	<1	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	0.07	-	0.056	-	0.010	-	1.7	-	-	<0.005	-	<1	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	0.3	-	0.17	-	0.082	-	3.3	-	-	<0.005	-	<1	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	0.008	-	<0.005	-	0.008	-	0.9	-	-	<0.005	-	<1	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Nutrients													
						Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L
EQL						0.005	0.005	0.005	0.005	0.005	0.01	0.1	0.01	0.005	0.005	0.01	1	0.001	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries						0.015						0.3		0.005					
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N) (filtered)	Nitrite (as N)	Nitrite (as N) (filtered)	Nitrite + Nitrate as N	Nitrogen (Total)	Total Phosphorus as P (Organic Phosphate as P)	Reactive Phosphorus as P (Orthophosphate as P)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Aluminium (filtered)	Arsenic (filtered)	Barium (filtered)	Beryllium (filtered)
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	0.03	-	0.01	-	0.011	-	0.7	-	-	<0.005	-	<1	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	0.04	-	0.03	-	0.009	-	1.5	-	-	<0.005	6.6	<1	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	0.08	-	0.077	-	0.007	-	0.9	-	-	<0.005	0.08	<1	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	0.04	-	0.02	-	0.017	-	1.8	-	-	<0.005	<0.01	<1	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	0.64	-	-	-	-	-	0.8	-	-	0.006	0.18	<1	-	-
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	0.005	-	-	-	-	-	0.7	-	-	0.27	0.09	1	-	-
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	0.03	-	-	-	-	-	-	-	0.48	<1	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	0.05	-	-	-	-	-	-	-	2.1	<1	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	<0.005	-	-	-	-	-	-	-	0.08	1	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	2.3	-	-	-	-	-	-	-	0.01	2	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	0.3	-	0.28	-	0.047	-	0.9	-	-	<0.005	<0.01	2	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	0.2	-	0.21	-	<0.005	-	0.7	-	-	0.02	0.72	<1	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	0.3	-	0.30	-	0.040	-	1.1	-	-	<0.005	0.04	8	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	-	-	0.14	-	<0.005	-	0.5	-	-	<0.005	0.21	3	-	-
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	0.4	-	0.43	-	<0.005	-	0.8	-	-	0.11	-	2	0.011	<0.0005
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	0.06	-	0.061	-	<0.005	-	0.2	-	-	<0.005	-	<1	0.009	<0.0005

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation
Data

						Metals													
						Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus
						mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L
EQL						0.02	0.1	0.001	0.005	1	0.001	1	0.01	1	0.001	0.05	0.001	1	0.05
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)							5.5	0.0044	0.027	4.4	0.001	1.3		4.4		0.4		70	
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			0.03
NEPM 2013 Table 1C GILs, Marine Waters							0.7	0.0044	0.027	4.4	0.001	1.3		4.4		0.1		7	

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	1	0.05	<1	0.18	<0.05	-	5	<0.05
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	0.99	<1	0.46	<0.05	-	14	0.9
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	<1	20	<1	0.35	<0.05	-	10	<0.05
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	0.2	<0.005	-	<1	-	8	6.5	<1	1	<0.05	-	35	<0.05
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	<1	75	<1	2.9	<0.05	-	3	<0.05
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	1	0.03	<1	0.52	<0.05	-	7	<0.05
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	0.04	<1	0.24	<0.05	-	4	<0.05
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	0.37	<1	0.92	<0.05	-	10	<0.05
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	0.47	<1	0.42	<0.05	-	5	<0.05
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	6	0.83	<1	0.1	<0.05	-	4	<0.05
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	0.6	<0.005	-	<1	-	4	22	4	0.63	<0.05	-	37	<0.05
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	0.2	<0.005	-	<1	-	23	0.01	12	0.15	<0.05	-	48	<0.05
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	2	0.04	<1	0.014	0.06	-	4	<0.05
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	2	-	<1	1,600	<1	1.6	<0.05	-	4	0.05
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	2	33	4	0.12	<0.05	-	36	<0.05
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	1	-	<1	470	1	0.68	<0.05	-	55	<0.05
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	3	-	2	9.7	<1	0.44	<0.05	-	37	<0.05
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	4	20	<1	0.16	<0.05	-	7	0.1
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.2	<0.005	-	<1	-	5	7.4	15	0.5	<0.05	-	48	<0.05
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	6	17	5	0.23	<0.05	-	39	<0.05
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	11	-	6	99	6	0.7	<0.05	-	55	0.2
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.3	<0.005	-	<1	-	11	2.8	11	0.44	<0.05	-	52	<0.05
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.1	<0.005	-	<1	-	2	0.88	<1	0.36	<0.05	-	19	<0.05
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	2	12	<1	3.2	<0.05	-	16	<0.05
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	1	0.08	<1	2	<0.05	-	25	<0.05
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	5.3	<1	0.46	<0.05	-	4	<0.05
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	3.4	<1	0.14	<0.05	-	10	<0.05
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	0.5	-	-	2	-	4	0.5	10	0.1	<0.05	-	9	<0.05
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	0.7	-	-	1	-	3	73	<1	0.62	<0.05	-	13	<0.05
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	0.4	-	-	2	-	3	0.08	<1	0.46	<0.05	-	15	0.2
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	1.8	-	-	1	-	3	0.1	1	0.31	<0.05	-	7	<0.05
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	0.3	-	-	1	-	2	0.03	<1	0.48	<0.05	-	11	<0.05
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.1	-	-	2	-	<1	25	<1	0.82	<0.05	-	8	<0.05
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	0.2	-	-	5	-	260	0.25	2	0.19	<0.05	-	200	0.07
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	1	-	<1	2.5	<1	0.045	<0.05	-	10	<0.05
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	0.2	<0.005	-	1	-	9	32	6	0.12	<0.05	-	41	<0.05
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	0.1	<0.005	-	2	-	<1	26	<1	1.2	<0.05	-	20	<0.05
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	<1	18	<1	0.13	<0.05	-	12	<0.05
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	0.1	<0.050	-	<1	-	2	0.27	<1	0.94	<0.05	-	6	<0.05
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Metals														
Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus	
mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	
EQL	0.02	0.1	0.001	0.005	1	0.001	1	0.01	1	0.001	0.05	0.001	1	0.05
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		5.5	0.0044	0.027	4.4	0.001	1.3	4.4		0.4		70		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries													0.03	
NEPM 2013 Table 1C GLs, Marine Waters		0.7	0.0044	0.027	4.4	0.001	1.3	4.4		0.1		7		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	2.1	<0.05	-	2	<0.05
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	0.33	<0.05	-	10	<0.05
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	0.37	<0.05	-	5	0.2
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	0.55	<0.05	-	7	<0.05
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	0.32	<0.05	-	23	<0.05
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	0.9	-	-	<1	-	2	-	<1	-	<0.05	-	110	0.1
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	<0.1	<0.001	-	<1	-	4	-	<1	-	<0.05	-	4	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	1.2	<0.001	-	<1	-	2	-	<1	-	<0.05	-	100	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	0.2	<0.005	-	<1	-	3	-	<1	-	<0.05	-	5	<0.05
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	1	-	<1	310	<1	0.82	<0.05	-	13	<0.05
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	<0.1	<0.01	-	<1	-	<1	17	<1	0.31	<0.05	-	<1	0.1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	1	12	<1	1.6	<0.05	-	2	<0.05
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	7.7	<1	1.4	<0.05	-	2	<0.05
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	0.02	<1	0.64	<0.05	-	16	<0.05
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	2	46	<1	1.3	<0.05	-	8	0.07
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	24	<1	0.96	<0.05	-	2	0.4
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	0.1	<0.001	<0.005	<1	-	1	-	<1	1.1	<0.05	-	7	<0.05
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	1	-	<1	0.5	<0.05	-	8	<0.05
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	2	37	<1	0.15	<0.05	-	9	<0.05
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	-	0.4	-	-	<1	-	3	-	<1	-	<0.05	-	15	<0.05
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	0.2	-	-	<1	-	2	-	<1	-	<0.05	-	4	<0.05
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	-	<1	-	<0.05	-	7	<0.05
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	<0.1	-	-	<1	-	7	-	<1	-	<0.05	-	6	<0.05
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	<0.1	-	-	<1	-	2	-	<1	-	<0.05	-	<1	<0.05
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	0.1	-	-	<1	-	3	-	<1	-	<0.05	-	2	<0.05
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	-	<1	-	<0.05	-	4	<0.05
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	-	<1	-	<0.05	-	<1	<0.05
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	2	-	<1	0.11	<0.05	-	8	<0.05
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	0.1	-	-	<1	-	1	-	<1	-	<0.05	-	9	<0.05
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	-	<1	-	<0.05	-	11	<0.05
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	<0.1	-	-	1	-	7	-	3	-	<0.05	-	3	<0.05
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	4	-	<1	-	<0.05	-	4	<0.05
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	<0.1	<0.001	-	<1	-	<1	-	<1	-	<0.05	-	2	<0.05
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	<0.1	<0.001	-	<1	-	<1	-	<1	-	<0.05	-	<1	<0.05
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	<0.1	<0.001	-	5	-	7	-	<1	-	<0.05	-	2	0.1
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	0.7	<0.001	-	<1	-	2	-	<1	-	<0.05	-	4	<0.05

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Metals														
Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus	
mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	
EQL	0.02	0.1	0.001	0.005	1	0.001	1	0.01	1	0.001	0.05	0.001	1	0.05
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		5.5	0.0044	0.027	4.4	0.001	1.3		4.4	0.4		70		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries													0.03	
NEPM 2013 Table 1C GLs, Marine Waters		0.7	0.0044	0.027	4.4	0.001	1.3		4.4	0.1		7		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (III+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	-	<0.1	<0.005	<0.005	<1	0.021	<1	-	<1	0.1	<0.05	-	8	<0.05
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	<0.1	<0.005	<0.005	<1	<0.001	<1	-	<1	0.079	<0.05	-	<1	0.1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.1	-	-	<1	-	2	-	<1	-	<0.05	-	10	0.09
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.1	-	-	1	-	2	-	<1	-	<0.05	-	82	<0.05
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	0.3	-	-	<1	-	4	-	<1	-	<0.05	-	26	<0.05
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	0.3	-	-	<1	-	2	-	<1	-	<0.05	-	4	<0.05
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	-	<1	-	<0.05	-	15	<0.05
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	-	<1	-	<0.05	-	22	<0.05
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	5	0.88	<1	0.11	<0.05	-	2	0.1
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	1	-	<1	7.9	<1	1.6	<0.05	-	2	0.4
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	<1	31	<1	0.43	<0.05	-	21	<0.05
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	<1	500	2	1	<0.05	-	18	<0.05
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	0.52	<1	0.059	<0.05	-	<1	<0.05
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	<1	74	<1	0.77	<0.05	-	2	<0.05
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	7	42	<1	0.26	<0.05	-	16	<0.05
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	2	<0.01	<1	0.067	<0.05	-	<1	<0.05
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	0.1	<0.005	-	<1	-	9	0.02	<1	0.29	<0.05	-	14	<0.05
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	2	-	7	7.7	<1	0.6	<0.05	-	6	0.1
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	1	0.01	<1	0.009	<0.05	-	<1	<0.05
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	0.3	<0.005	-	5	-	1	1.2	2	0.009	<0.05	-	7	0.8
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	0.3	<0.005	-	<1	-	6	0.22	<1	1.4	<0.05	-	5	0.1
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	0.8	<0.005	-	2	-	4	0.03	<1	0.23	0.07	-	11	<0.1
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	79	<1	0.27	<0.05	-	9	<0.05
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	1	0.17	<1	0.13	<0.05	-	8	<0.05
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	0.18	<0.05	-	8	<0.05
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	-	<0.1	<0.005	<0.005	<1	0.014	<1	-	<1	0.13	<0.05	-	7	0.1
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	3	-	<1	480	<1	1.4	<0.05	-	<1	0.4
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	<0.1	<0.050	-	4	-	<1	340	<1	0.33	<0.05	-	2	0.09
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	150	<1	0.39	<0.05	-	11	<0.05
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	4	-	<1	530	<1	0.49	<0.05	-	2	0.1
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	290	<1	0.8	<0.05	-	<1	0.1
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	8	<1	1.4	<0.05	-	<1	0.1
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	12	<1	0.47	<0.05	-	<1	0.1
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	0.08	<1	0.088	<0.05	-	1	0.1
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	3	-	<1	370	<1	0.98	<0.05	-	<1	0.08
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	2	-	<1	610	<1	0.96	<0.05	-	29	0.07
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	150	<1	0.7	<0.05	-	4	0.08
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	<1	580	<1	0.67	<0.05	-	3	<0.05
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	<0.1	<0.005	-	5	-	<1	510	<1	0.72	<0.05	-	17	<0.05

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Metals														
Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (II+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus	
mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	
EQL	0.02	0.1	0.001	0.005	1	0.001	1	0.01	1	0.001	0.05	0.001	1	0.05
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		5.5	0.0044	0.027	4.4	0.001	1.3		4.4		0.4		70	
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														0.03
NEPM 2013 Table 1C GLs, Marine Waters		0.7	0.0044	0.027	4.4	0.001	1.3		4.4		0.1		7	

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (II+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	<0.01	<1	0.011	<0.05	-	<1	<0.05
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	0.04	<1	0.053	<0.05	-	3	<0.05
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	<0.1	-	-	<1	-	2	0.01	<1	0.061	<0.05	-	1	<0.05
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	<0.1	-	-	<1	-	2	<0.01	<1	0.02	<0.05	-	<1	0.07
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	<0.1	-	-	<1	-	2	<0.01	<1	0.01	<0.05	-	1	<0.05
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	2	<0.01	<1	0.033	<0.05	-	2	<0.05
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	9	<0.01	<1	0.027	<0.05	-	2	0.2
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	1	0.57	<1	1.3	<0.05	-	<1	<0.05
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	<1	<0.01	<1	0.11	<0.05	-	<1	<0.05
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	<0.1	-	-	<1	-	1	<0.01	<1	0.023	<0.05	-	<1	<0.05
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	1	-	<1	0.006	<0.05	-	<1	<0.05
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	7	-	<1	0.045	<0.05	-	3	<0.05
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	<0.005	<0.05	-	<1	<0.05
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	<1	-	<1	0.023	<0.05	-	2	<0.05
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	2	-	<1	0.053	<0.05	-	<1	0.06
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	25	-	<1	0.058	<0.05	-	3	<0.05
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	12	-	<1	0.02	<0.05	-	2	<0.05
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	2	-	<1	0.053	<0.05	-	<1	0.06
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	-	<0.1	<0.005	<0.005	<1	0.003	32	-	<1	0.03	<0.05	-	2	<0.05
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	-	<0.1	<0.005	<0.005	<1	0.001	<1	-	<1	0.028	<0.05	-	2	<0.05
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	-	<0.1	<0.005	<0.005	<1	<0.001	1	-	<1	<0.005	<0.05	-	1	<0.05
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	0.1	<0.1	<0.005	-	<1	<0.001	2	-	<1	<0.005	<0.05	-	<1	<0.05
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	0.1	<0.1	<0.005	-	<1	<0.001	<1	-	<1	0.011	<0.05	-	<1	<0.05
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	0.05	<0.1	<0.005	-	<1	0.006	7	-	<1	0.055	<0.05	-	3	0.07
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	0.02	<0.1	<0.005	-	<1	<0.001	9	-	<1	0.008	<0.05	-	27	0.08
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	2	0.01	<1	0.013	<0.05	-	<1	0.08
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	860	-	<1	0.66	<0.05	-	2	<0.05
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	<0.1	<0.001	<0.005	<1	-	290	-	<1	0.23	<0.05	-	25	<0.05
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	0.2	<0.1	-	-	1	0.01	3	43	<1	0.24	<0.05	-	11	<0.05
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.1	<0.050	-	<1	-	<1	100	<1	0.2	<0.05	-	2	0.06
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	0.2	<0.005	-	1	-	9	0.86	3	0.11	<0.05	-	43	<0.05
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	0.2	<0.005	-	1	-	2	28	<1	0.68	<0.05	-	30	<0.05
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	1	-	3	49	<1	0.23	<0.05	-	7	<0.05
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	0.2	<0.005	-	<1	-	2	0.02	<1	0.79	<0.05	-	19	<0.05
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	0.1	<0.005	-	2	-	6	0.03	<1	1.1	<0.05	-	28	6.7
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	2	6.6	<1	0.39	<0.05	-	13	<0.05

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Metals													
						Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (II+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus
						mg/L	µg/L	mg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L	µg/L	mg/L
EQL						0.02	0.1	0.001	0.005	1	0.001	1	0.01	1	0.001	0.05	0.001	1	0.05
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)							5.5	0.0044	0.027	4.4	0.001	1.3		4.4		0.4		70	
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			0.03
NEPM 2013 Table 1C GILs, Marine Waters							0.7	0.0044	0.027	4.4	0.001	1.3		4.4		0.1		7	

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Boron (filtered)	Cadmium (filtered)	Chromium (hexavalent) (filtered)	Chromium (Trivalent)	Chromium (II+VI) (filtered)	Cobalt (filtered)	Copper (filtered)	Iron (filtered)	Lead (filtered)	Manganese (filtered)	Mercury (filtered)	Molybdenum (filtered)	Nickel (filtered)	Phosphorus
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.1	<0.005	-	2	-	<1	0.02	<1	0.17	<0.05	-	5	<0.05
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	0.1	-	-	5	-	4	3.2	2	0.34	<0.05	-	12	1
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	0.1	-	-	<1	-	2	0.26	<1	0.35	<0.05	-	9	<0.05
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	0.1	-	-	32	-	2	0.01	<1	0.28	<0.05	-	4	<0.05
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	3	0.05	<1	0.008	<0.05	-	2	<0.05
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	-	<0.1	<0.005	-	<1	-	9	3	<1	0.083	<0.05	-	4	0.6
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	0.1	-	-	<1	-	7	0.04	<1	2	<0.05	-	59	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	0.2	-	-	<1	-	3	0.03	<1	4.9	<0.05	-	130	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	<0.1	-	-	1	-	14	1.7	<1	0.14	<0.05	-	8	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	<0.1	-	-	<1	-	5	<0.01	<1	0.17	<0.05	-	5	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	0.2	-	-	<1	-	1	<0.01	<1	0.44	<0.05	-	5	0.05
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	0.1	-	-	<1	-	3	<0.01	<1	0.53	0.2	-	21	0.06
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	0.5	-	-	<1	-	<1	<0.01	<1	3.1	<0.05	-	47	<0.05
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	-	0.2	<0.001	<0.005	<1	-	2	-	<1	1.8	<0.05	-	20	<0.05
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	-	<0.1	<0.005	<0.005	3	<0.001	70	-	2	0.006	<0.05	-	3	0.1
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	-	<0.1	<0.005	<0.005	<1	<0.001	3	-	<1	<0.005	<0.05	-	2	0.2

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						BTEX														
						Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)	
						µg/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						200	0.001	1	1	1	1	2	1	2	0.1	1	1	10	10	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								8	700	180	80				70	70				
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GILs, Marine Waters								15	500						50	50				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	15,000	-	10	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	10,000	-	8	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	10,000	-	12	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	12,000	-	91	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	7,500	-	<1	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	20,000	-	8	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	16,000	-	4	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	19,000	-	22	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	14,000	-	9	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	16,000	-	50	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	36,000	-	120	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	38,000	-	110	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	34,000	-	11	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	14,000	-	40	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	48,000	-	69	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	29,000	-	240	<1	<1	<1	<2	<1	-	<1	<1	-	20	20
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	42,000	-	32	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	8,600	-	2	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	41,000	-	120	<1	<1	<1	<2	<1	-	1	2	-	<10	<10
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	41,000	-	83	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	21,000	-	71	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	31,000	-	98	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	14,000	-	31	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	18	<1	2	<1	<2	<1	-	<1	<1	-	<10	<10
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	50	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	8,600	-	30	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	36,000	-	13	<1	<1	<1	<2	<1	-	<1	<1	-	24	24
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	8,300	-	4,200	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	11,000	-	73	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	9,800	-	39	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	14,000	-	23	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	12,000	-	25	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	9,000	-	42	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	3,300	-	790	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	36,000	-	12	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	46,000	-	250	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	10,000	-	53	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	21,000	-	54	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	9,200	-	42	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation
Data

						BTEX														
						Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)	
						µg/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						200	0.001	1	1	1	1	2	1	2	0.1	1	1	10	10	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								8	700	180	80				70	70				
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GLs, Marine Waters								15	500						50	50				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	1	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	110	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	18	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	-	13	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	-	25	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	190	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	25	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	210	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	16	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	370	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	<1	6	<1	<1	<2	<1	-	<1	<1	-	4,100	4,100
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	5	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	-	4	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	-	4	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	-	4	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	-	<1	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	-	6	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	-	23	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	-	-	24	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	-	-	47	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	36	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	40	<1	1	<1	3	1	-	<0.2	<1	-	<10	<10
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	31	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	4	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	140	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	40	<1	<1	<1	<2	<1	-	2.3	7	-	<10	<10
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	10	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	-	-	24	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	42	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	37	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	9	<1	<1	<1	<2	<1	-	<0.2	2	-	<10	<10
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	21	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	11	<1	1	<1	<2	<1	-	<0.2	<1	-	<10	<10
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	<1	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	24	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	39	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						BTEX														
						Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)	
						µg/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						200	0.001	1	1	1	1	2	1	2	0.1	1	1	10	10	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								8	700	180	80				70	70				
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GLs, Marine Waters								15	500						50	50				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	-	<0.001	21	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	<0.001	3	<1	<1	<1	<2	<1	-	2	2	-	<10	<10
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	9	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	11	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	2,200	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	71	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	63	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	23	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	-	-	43	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	14,000	-	2	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	13,000	-	210	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	15,000	-	7,400	<1	<1	2	<2	<1	-	<0.2	<1	-	<10	<10
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	9,700	-	11	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	9,100	-	2	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	41,000	-	32	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	24,000	-	49	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	22,000	-	93	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	9,900	-	17	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	6,700	-	12	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	66,000	-	18	2	9	2	<2	5	-	1	<1	-	53	35
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	14,000	-	220	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	20,000	-	64	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	13,000	-	94	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	24,000	-	14	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	-	-	43	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	-	<0.001	22	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	-	<1	<1	<1	<1	<2	<1	-	<1	<10	-	<100	<10
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	-	35	<1	<1	<1	<2	<1	-	<1	<10	-	<100	<10
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	9,000	-	42	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	13,000	-	23	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	18,000	-	2	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	15,000	-	1	<1	<1	<1	<2	<1	-	0.8	1	-	<10	<10
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	13,000	-	3	<1	<1	<1	<2	<1	-	6.9	7	-	<10	<10
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	6,500	-	3	<1	<1	<1	<2	<1	-	0.5	<1	-	<10	<10
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	19,000	-	2	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	11,000	-	24	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	16,000	-	4	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	8,200	-	23	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	16,000	-	60	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						BTEX														
						Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)	
						µg/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						200	0.001	1	1	1	1	2	1	2	0.1	1	1	10	10	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								8	700	180	80				70	70				
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GLs, Marine Waters								15	500						50	50				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Silicon	Selenium	Zinc	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	3,200	-	<1	<1	<1	<1	<2	<1	-	<1	<1	-	31	31
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	14,000	-	34	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	5,000	-	4	<1	<1	<1	<2	<1	-	<1	<1	-	32	32
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	7,500	-	6	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	8,100	-	4	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	9,100	-	9	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	9,500	-	10	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	7,100	-	7	<1	<1	<1	<2	<1	-	<1	<1	-	210	210
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	11,000	-	44	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	9,800	-	15	<1	<1	<1	<2	<1	-	<1	<1	-	23	23
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	-	-	1	<1	<1	<1	<2	<1	-	<1	<1	-	89	89
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	-	-	49	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	-	-	2	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	-	-	17	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	30	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	-	-	15	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	31	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	30	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	-	0.002	18	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	-	<0.001	20	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	-	0.003	5	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	0.004	5	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	0.001	10	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	0.003	30	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	<0.001	9	<1	<1	<1	<2	<1	-	<0.2	<1	-	<10	<10
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	-	-	8	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	-	12	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	-	39	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	13,000	-	30	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	10,000	-	12	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	21,000	-	88	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	14,000	-	55	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	11,000	-	42	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	8,300	-	38	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	5,600	-	17	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	14,000	-	45	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						BTEX														
						Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)	
						µg/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						200	0.001	1	1	1	1	2	1	2	0.1	1	1	10	10	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								8	700	180	80				70	70				
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GILs, Marine Waters								15	500						50	50				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Silicon	Selenium (filtered)	Zinc (filtered)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	Naphthalene	Naphthalene (BTEX)	Total BTEX	C6-C10	C6-C10 (F1 minus BTEX)
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	8,700	-	47	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	21,000	-	170	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	11,000	-	30	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	5,200	-	29	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	-	-	10	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	-	-	25	270	<1	<1	13	4	-	25	44	-	450	160
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	31,000	-	200	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	8,200	-	540	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	49,000	-	34	<1	<1	<1	<2	<1	-	<1	<1	-	120	120
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	9,300	-	16	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	8,300	-	34	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	45,000	-	150	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	11,000	-	38	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	-	-	38	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	-	<0.001	11	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	-	-	-	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	-	<0.001	15	<1	<1	<1	<2	<1	-	<1	<1	-	<10	<10

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						TRH													
						C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
						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
EQL						50	50	100	100	50	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													30						
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	100	<100	100	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	220	<100	220	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	140	<100	140	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<50	<50	180	<100	180	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	1,100	1,100	1,800	<100	2,900	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<50	<50	240	<100	240	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						TRH														
						C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	
						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
EQL						50	50	100	100	50	1	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													30							
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GLs, Marine Waters																				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<50	<50	180	<100	180	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	210	210	780	<100	990	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	390	390	<100	<100	390	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	170	170	<100	<100	170	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	130	130	240	<100	370	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	130	130	<100	<100	130	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	110	100	310	<100	420	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	120	120	430	<100	550	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	51	51	240	<100	290	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	300	300	540	<100	840	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	960	950	2,800	<100	3,800	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	100	100	340	<100	440	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	85	85	270	<100	360	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	91	91	<100	<100	90	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						TRH													
						C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
						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
EQL						50	50	100	100	50	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													30						
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	160	160	280	<100	440	<1	<1	<1	<1	<1	<1	<1	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	320	320	1,100	<100	1,400	<1	<1	<1	<1	<1	<1	<1	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	620	620	460	<100	1,100	3	4	<1	<1	<1	<1	5	<1	<1
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	110	110	500	<100	610	<1	<1	<1	<1	<1	<1	<1	<1	<1
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	86	86	430	<100	520	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<50	<50	190	<100	190	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	91	91	380	<100	470	<1	<1	<1	<1	<1	<1	<1	<1	<1
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<50	<50	190	<100	190	<1	<1	<1	<1	<1	<1	<1	<1	<1
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<50	<50	360	<100	360	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<50	<50	110	<100	110	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	50	50	<100	<100	50	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	63	63	120	<100	180	<1	<1	<1	<1	<1	<1	<1	<1	<1
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	72	72	160	<100	230	<1	<1	<1	<1	<1	<1	<1	<1	<1
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	78	78	350	120	540	<1	<1	<1	<1	<1	<1	<1	<1	<1
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<50	<50	280	130	410	<1	<1	<1	<1	<1	<1	<1	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						TRH													
						C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
						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
EQL						50	50	100	100	50	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													30						
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	410	410	<100	<100	410	<1	<1	2	3	2	<1	5	<1	2
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	99	99	910	590	1,600	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<50	<50	110	<100	110	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	99	99	910	590	1,600	<1	<1	<1	<1	<1	<1	<1	<1	<1
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<50	<50	130	<100	130	<1	<1	<1	<1	<1	<1	<1	<1	<1
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						TRH													
						C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
						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
EQL						50	50	100	100	50	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													30						
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	C10-C16	C10-C16 (F2 minus Naphthalene)	C16-C34	C34-C40	C10-C40 (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Isopropylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	290	290	360	<100	660	<1	<1	<1	<1	<1	<1	<1	<1	<1
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	950	910	150	<100	1,100	4	<1	34	2	6	<1	2	<1	<1
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	31	<1	<1	<1	3	<1	2
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	50	50	190	<100	240	<1	<1	<1	<1	<1	<1	<1	<1	<1
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<50	<50	170	<100	170	<1	<1	<1	<1	<1	<1	<1	<1	<1
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<50	<50	<100	<100	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Hydrocarbons													
						1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
						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
EQL						1	2	5	1	5	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											270	400	1,900		700				
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters													1,900						

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Hydrocarbons														
						1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	
						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	
EQL						1	2	5	1	5	1	1	1	1	1	1	1	1	1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)												270	400	1,900		700				
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GILs, Marine Waters														1,900						

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Hydrocarbons													
						1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
						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
EQL						1	2	5	1	5	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											270	400	1,900		700				
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters													1,900						

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Hydrocarbons													
						1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
						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
EQL						1	2	5	1	5	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											270	400	1,900		700				
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters													1,900						

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<1	<2	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<1	<2	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<1	<2	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<1	<2	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Hydrocarbons													
						1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
						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
EQL						1	2	5	1	5	1	1	1	1	1	1	1	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											270	400	1,900		700				
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters													1,900						

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dibromoethane	Bromomethane	Dichlorodifluoromethane	Iodomethane	Trichlorofluoromethane	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,1-dichloroethene	1,1-dichloropropene	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<1	<10	<10	-	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
	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
EQL	1	1	1	1	1	1	1	1	1	5	1	5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	1,900	900	1,100					240			770			
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	15	<1
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	5	<1
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
	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
EQL	1	1	1	1	1	1	1	1	1	5	1	5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	1,900	900	1,100					240			770			
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
	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
EQL	1	1	1	1	1	1	1	1	1	5	1	5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	1,900	900	1,100					240			770			
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
	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
EQL	1	1	1	1	1	1	1	1	1	5	1	5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	1,900	900	1,100					240			770			
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	41	<10	<1	<1
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	5	<10	<1	<1
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	1	<10	<1	<1
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	2	<10	<1	<1
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	59	<10	<1	<1
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	3	<10	<1	<1
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	1	<10	<1	<1
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	1	<10	<1	<1
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	3	<10	<1	<1
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	2	<10	<1	<1
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
	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
EQL	1	1	1	1	1	1	1	1	1	5	1	5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	1,900	900	1,100					240			770			
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-dichloroethene	cis-1,3-dichloropropene
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	2	<10	<1	<1
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	1	<1	<1	<1	<10	8	<10	<1	<1
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	2	<10	<1	<1
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10	<1	<10	<1	<1

Comments

#1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL	1	4	0.7	5	2	1	1	1	1	0.3	0.005	1	2	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		4,000				330	70			100	0.004		5	80
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														20

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	1	<1	<10	-	<1	-	<1
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	-	<1	-	-	6	4	<1	<1	<10	-	<1	-	<1
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL	1	4	0.7	5	2	1	1	1	1	0.3	0.005	1	2	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		4,000				330	70			100	0.004		5	80
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters														20

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	4
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1

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	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL	1	4	0.7	5	2	1	1	1	1	0.3	0.005	1	2	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		4,000				330	70			100	0.004		5	80
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters														20

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL	1	4	0.7	5	2	1	1	1	1	0.3	0.005	1	2	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		4,000				330	70			100	0.004		5	80
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters														20

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<1	-	<1	-	-	1	16	<1	<1	<10	-	<1	-	<1
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	1	<1	<1	<10	-	<1	-	<1
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<1	-	<1	-	-	<1	2	<1	<1	<10	-	<1	-	<1
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	3	<1	<1	<10	-	<1	<2	<1
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<1	-	<1	<5	<2	<1	1	<1	<1	<10	-	<1	<2	<1
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<1	<4	<0.7	-	-	<1	<1	<1	<1	<0.3	-	<1	-	<1
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<1	<4	<0.7	-	-	<1	<1	<1	<1	<0.3	-	<1	-	<1
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<1	<4	<0.7	-	-	<1	2	<1	<1	<0.3	-	<1	-	<1
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<1	<4	<0.7	-	-	<1	<1	<1	<1	<0.3	-	<1	-	<1
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL	1	4	0.7	5	2	1	1	1	1	0.3	0.005	1	2	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		4,000				330	70			100	0.004		5	80
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														20

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibromomethane	Dichloromethane	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Vinyl chloride	1,2,3,4-tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,4,5-tetrachlorobenzene	1,2,4-trichlorobenzene
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<1	-	<1	-	-	<1	<1	<1	<1	<10	-	<1	-	<1
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<1	-	<1	<5	<2	<1	<1	<1	<1	<10	-	<1	<2	<1

Comments

#1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Benzenes					VOCs								
						1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
						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
EQL						1	1	0.3	1	1	1	1	0.2	2	5	5	2	2	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											55	0.1	2			80			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Benzenes					VOCs								
						1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
						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
EQL						1	1	0.3	1	1	1	1	0.2	2	5	5	2	2	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											55	0.1	2			80			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	2	34	82	<1	<1	<1	1,500	<2	<2	-	-	<2	<2	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	3	36	88	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Benzenes					VOCs								
						1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
						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
EQL						1	1	0.3	1	1	1	1	0.2	2	5	5	2	2	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											55	0.1	2			80			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Benzenes							VOCs						
						1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
						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
EQL						1	1	0.3	1	1	1	1	0.2	2	5	5	2	2	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)												55	0.1	2			80		
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<1	<1	<0.3	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<1	<1	<0.3	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<1	<1	<0.3	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<1	<1	<0.3	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Halogenated Benzenes							VOCs						
						1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
						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
EQL						1	1	0.3	1	1	1	1	0.2	2	5	5	2	2	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)												55	0.1	2			80		
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	2-chlorotoluene	4-chlorotoluene	Bromobenzene	Chlorobenzene	Hexachlorobenzene	Pentachlorobenzene	cis-1,4-Dichloro-2-butene	trans-1,4-Dichloro-2-butene	Pentachloroethane	2-(acetylamino)fluorene	4-(dimethylamino)azobenzene
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<2	<2	-	-	<2	<2	<5
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<1	<0.2	<2	-	-	<2	<2	<5

Comments

#1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

SVOCs														
4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin	
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
EQL														
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin	
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5	<5
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5	<5
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

SVOCs														
4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin	
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	
5	5	5	5	5	5	5	5	2	5	10	5	5	5	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						SVOCs													
						4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin
						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
EQL						5	5	5	5	5	5	5	5	2	5	10	5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						SVOCs													
						4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin
						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
EQL						5	5	5	5	5	5	5	5	2	5	10	5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
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NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						SVOCs														
						4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin	
						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
EQL						5	5	5	5	5	5	5	5	2	5	10	5	5	5	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																				
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GILs, Marine Waters																				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-bromophenyl phenyl ether	4-chlorophenyl phenyl ether	Azobenzene	Benzyl alcohol	Bis(2-chloroethoxy) methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachloropropene	Isosafrole	Methapyrene	N-nitrosomorpholine	N-nitrosopiperidine	Phenacetin
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<5	<5	<5	<5	<5	<5	<5	<5	<2	<5	<10	<5	<5	<5

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						PAH													
						Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
						mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL						0.0002	2	2	2	2	0.1	0.1	0.1	0.1	0.1	0.001	0.1	1	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													0.4	0.2					
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						PAH													
						Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
						mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL						0.0002	2	2	2	2	0.1	0.1	0.1	0.1	0.1	0.001	0.1	1	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													0.4	0.2					
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.0002	-	-	-	-	0.7	<0.1	0.2	<0.1	<0.1	-	<0.1	-	<0.1
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	0.2	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	<2	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	0.0022	<2	<2	<2	<2	0.5	<0.1	0.4	0.8	1	-	0.7	-	0.9
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.004	-	-	-	-	<2	-	<2	<2	<2	-	<2	-	<2
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.0002	<2	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						PAH													
						Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
						mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL						0.0002	2	2	2	2	0.1	0.1	0.1	0.1	0.1	0.001	0.1	1	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													0.4	0.2					
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<0.002	<2	<2	<2	<2	1	<1	<1	<1	<1	-	<1	-	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	<2	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.002	-	-	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.002	-	-	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.002	-	-	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.002	-	-	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.002	-	-	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.002	-	-	-	<1	<1	<1	<1	<1	<1	-	<1	-	<1
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	-	<0.1	-	0.3
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	0.5	0.2	<0.1	0.2	<0.1	-	<0.1	-	<0.1
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	1	<0.1	0.3	<0.1	<0.1	-	<0.1	-	<0.1
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	0.3	<0.1	0.2	<0.1	<0.1	-	<0.1	-	<0.1
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	0.0003	-	-	-	<0.1	1.2	<0.1	<0.1	0.7	0.2	-	<0.1	-	0.3
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.0002	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						PAH													
						Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
						mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL						0.0002	2	2	2	2	0.1	0.1	0.1	0.1	0.1	0.001	0.1	1	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													0.4	0.2					
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<0.0002	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						PAH													
						Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
						mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L
EQL						0.0002	2	2	2	2	0.1	0.1	0.1	0.1	0.1	0.001	0.1	1	0.1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													0.4	0.2					
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Benzo(b+j+k)fluoranthene	2-chloronaphthalene	2-methylnaphthalene	3-methylcholanthrene	7,12-dimethylbenz(a)anthracene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<0.002	<2	3	<2	<2	2	<1	<1	<1	<1	-	<1	-	<1
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<0.002	-	-	-	-	<1	<1	<1	<1	<1	-	<1	-	<1
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<0.002	<2	<2	<2	<2	<1	<1	<1	<1	<1	-	<1	-	<1

Comments

#1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	TPH					2,3,4,6-Tetrachlorophenol	
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001	10	50	100	50	50	1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)							1.4			2										
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GILs, Marine Waters																				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36 (Sum of total)	2,3,4,6-Tetrachlorophenol
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	100	<100	100	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	240	<100	240	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	160	<100	160	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	20	<50	<100	<100	<50	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	150	<100	150	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0.0012	<10	<50	<100	<100	<50	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	670	2,300	<100	3,000	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	24	<50	<100	<100	<50	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	210	<100	210	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	TPH					2,3,4,6-Tetrachlorophenol	
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001	10	50	100	50	50	1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)							1.4			2										
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GILs, Marine Waters																				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36 (Sum of total)	2,3,4,6-Tetrachlorophenol
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	160	<100	160	<2
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	4,100	120	880	<100	1,000	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	380	<100	<100	380	<2
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	110	<100	<100	110	<2
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	62	310	<100	370	<2
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	81	110	<100	200	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	<2
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.1	0.5	0.2	<0.1	0.2	0.4	<0.0005	0.0044	<10	75	290	<100	360	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	89	410	<100	500	<2
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	230	<100	230	<2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.0005	0.00038	<10	160	660	<100	830	<2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	<2	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.1	2	0.5	0.8	0.3	2.8	0.0014	0.013	<10	380	3,100	370	3,800	<2
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	2.2	<2	<2	<2	3	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	57	350	<100	410	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	<2
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	60	270	<100	330	<2
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	<2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	TPH					2,3,4,6-Tetrachlorophenol	
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001	10	50	100	50	50	1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)							1.4			2										
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries																				
NEPM 2013 Table 1C GLs, Marine Waters																				

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36 (Sum of total)	2,3,4,6-Tetrachlorophenol
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	360	<100	360	<2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0.0031	<10	160	1,200	140	1,500	<2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	0.00059	<10	<50	<100	<100	<50	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.1	0.3	0.6	<0.1	0.7	0.4	<0.0005	0.0039	27	350	670	<100	1,000	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<100	50	500	<100	550	<2
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<100	<50	<100	<100	<50	<2
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	69	350	140	560	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	170	<100	170	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	65	380	<100	440	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.1	0.3	0.7	<0.1	0.6	0.2	<0.0005	0.0038	<10	<50	200	<100	200	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.1	<0.1	0.3	<0.1	0.3	<0.1	<0.0005	0.0079	<10	<50	380	<100	380	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.1	2.1	<0.1	<0.1	<0.1	1.8	<0.0005	0.0070	<10	<50	100	<100	100	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.1	0.2	<0.1	<0.1	0.4	0.2	<0.0005	0.00076	<10	<50	120	<100	120	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	170	<100	170	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.0005	0.00018	<10	52	260	160	470	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	180	160	340	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						TPH													
						Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36 (Sum of total)	2,3,4,6-Tetrachlorophenol
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001	10	50	100	50	50	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)							1.4			2									
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36 (Sum of total)	2,3,4,6-Tetrachlorophenol
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	29	<50	<100	<100	<50	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	32	<50	<100	<100	<50	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	150	440	<100	<100	440	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	20	<50	<100	<100	<50	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	63	<50	<100	<100	<50	<2
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	77	490	620	1,200	<2
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	77	490	620	1,200	<2
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0001	<10	<50	<100	<100	<50	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						TPH													
						Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36 (Sum of total)	2,3,4,6-Tetrachlorophenol
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						0.1	0.1	0.1	0.1	0.1	0.1	0.0005	0.0001	10	50	100	50	50	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)							1.4			2									
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene	Benzo(a)pyrene TEQ	PAHs (Sum of positives)	C6-C9	C10-C14	C15-C28	C29-C36	C10-C36 (Sum of total)	2,3,4,6-Tetrachlorophenol
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	150	530	<100	680	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0.027	380	920	320	<100	1,200	<2
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	56	71	<100	<100	70	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	170	<100	170	<2
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	110	<100	110	<2
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<1	<1	<1	<1	<1	<1	<0.005	0 ^{#1}	<10	<50	<100	<100	<50	<2

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Phenols													
2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol
µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1	0.02	1	0.0005	1	1	1	1	1	2	1	10	20	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol	
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Phenols													
2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol
µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1	0.02	1	0.0005	1	1	1	1	1	2	1	10	20	5
EQL													
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	6	<2	<4	<2	<20	<20	<10
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<40	<10
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<40	<10
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<4	<4	<2	<20	<100	<10
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<2	<0.02	<2	-	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Phenols													
2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol
µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1	0.02	1	0.0005	1	1	1	1	1	2	1	10	20	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GLs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Phenols													
						2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol
						µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						1	0.02	1	0.0005	1	1	1	1	1	2	1	10	20	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol	
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<100	<10	<10
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<100	<10	<10
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<100	<10	<10
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	<10
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Phenols													
						2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol
						µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL						1	0.02	1	0.0005	1	1	1	1	1	2	1	10	20	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2,4,5-Trichlorophenol	2,4-Dinitrophenol	2,4,6-Trichlorophenol	2,6-D	2,4-Dichlorophenol	2,4-Dimethylphenol	2,6-Dichlorophenol	2-Chlorophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	2-Nitrophenol	4,6-Dinitro-2-methylphenol	4-Nitrophenol	4-chloro-3-methylphenol	
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<100	<10	
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<2	<0.02	<2	<0.0005	<2	<2	<2	<2	<2	<4	<2	<20	<20	<10	

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Picloram	Pentachlorophenol	Phenolics Total	Phenol	PCBs										Explosives	
					Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene		
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL	1	5	50	1	2	2	2	2	2	2	2	2	1	0.005	5	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		22		400												
PFAS NEMP 2020 Interim Marine 99%																
ANZECC 2000 SE Aust Triggers - Estuaries																
NEPM 2013 Table 1C GILs, Marine Waters		11		400												

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Picloram	Pentachlorophenol	Phenolics Total	Phenol	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Picloram	Pentachlorophenol	Phenolics Total	Phenol	PCBs								Explosives		
					Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene	
	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	mg/L	µg/L
EQL	1	5	50	1	2	2	2	2	2	2	2	2	1	0.005	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		22		400											
PFAS NEMP 2020 Interim Marine 99%															
ANZECC 2000 SE Aust Triggers - Estuaries															
NEPM 2013 Table 1C GILs, Marine Waters		11		400											

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Picloram	Pentachlorophenol	Phenolics Total	Phenol	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene	
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	<0.005	<5	
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	-	<0.005	<5
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	-	<0.005	<5
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	-	<0.005	<5
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	-	<0.005	<5
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	-	<0.005	<5
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	-	<10	<50	<4	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	<10	<50	<4	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	<20	<50	<4	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	-	<0.005	<5
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	<10	<50	<10	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	<10	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	<10	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	<2	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	<10	<50	<10	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	<10	<50	<10	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	<10	<50	<10	<2	<2	<2	<2	<2	<2	<2	<2	-	<0.005	<5

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Picloram	Pentachlorophenol	Phenolics Total	Phenol	PCBs										Explosives	
					Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene		
	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	mg/L	µg/L	
EQL	1	5	50	1	2	2	2	2	2	2	2	2	2	1	0.005	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		22		400												
PFAS NEMP 2020 Interim Marine 99%																
ANZECC 2000 SE Aust Triggers - Estuaries																
NEPM 2013 Table 1C GILs, Marine Waters		11		400												

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Picloram	Pentachlorophenol	Phenolics Total	Phenol	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene	
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5	
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5	
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5	
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	<0.005	<5	
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5	
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<10	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5	
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<10	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5	
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-	

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Picloram	Pentachlorophenol	Phenolics Total	Phenol	PCBs										Explosives	
					Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene		
	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	mg/L	µg/L	
EQL	1	5	50	1	2	2	2	2	2	2	2	2	1	0.005	5	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		22		400												
PFAS NEMP 2020 Interim Marine 99%																
ANZECC 2000 SE Aust Triggers - Estuaries																
NEPM 2013 Table 1C GILs, Marine Waters		11		400												

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Picloram	Pentachlorophenol	Phenolics Total	Phenol	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	<0.005	<5
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	<0.005	<5
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	<0.005	<5
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Picloram	Pentachlorophenol	Phenolics Total	Phenol	PCBs								Explosives		
					Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene	
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
EQL	1	5	50	1	2	2	2	2	2	2	2	2	1	0.005	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		22		400											
PFAS NEMP 2020 Interim Marine 99%															
ANZECC 2000 SE Aust Triggers - Estuaries															
NEPM 2013 Table 1C GILs, Marine Waters		11		400											

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Picloram	Pentachlorophenol	Phenolics Total	Phenol	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	1,3-Dinitrobenzene	2,6-dinitrotoluene
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<10	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<1	<10	-	4	-	-	-	-	-	-	-	-	<0.005	<5
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	<50	-	<2	<2	<2	<2	<2	<2	<2	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<1	<10	-	<10	-	-	-	-	-	-	-	-	<0.005	<5
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<1	<10	-	<2	-	-	-	-	-	-	-	-	<0.005	<5

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
	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
EQL	5	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation
Data

	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
	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
EQL	5	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
	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
EQL	5	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
	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
EQL	5	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline														
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I
	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
EQL	5	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Nitrobenzene	4,4-DDE	a-BHC	Aldrin + Dieldrin	Aldrin	b-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT	Dieldrin	Endosulfan I	
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<2
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<5	<2	<2	-	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	<2
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<5	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.008									0.009		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters			0.004									0.009		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.008									0.009		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters			0.004									0.009		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	<0.2	2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.008									0.009		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters			0.004									0.009		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.2	<0.2	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.008									0.009		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters			0.004									0.009		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.2	<0.002	<2
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
EQL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0002	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.008									0.009		
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters			0.004									0.009		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Azinophos methyl	Bromophos-ethyl	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.2	<0.002	<2
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.2	<0.002	<2
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.0002	<0.2

Comments

#1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Organophosphorous Pesticides													
Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
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
0.2	0.2	0.2	5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Organophosphorous Pesticides													
Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
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
EQL	0.2	0.2	0.2	5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

Organophosphorous Pesticides													
Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
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
0.2	0.2	0.2	5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2

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Organophosphorous Pesticides													
Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
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
0.2	0.2	0.2	5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2

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Organophosphorous Pesticides													
Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
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
0.2	0.2	0.2	5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)													
PFAS NEMP 2020 Interim Marine 99%													
ANZECC 2000 SE Aust Triggers - Estuaries													
NEPM 2013 Table 1C GILs, Marine Waters													

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Dichlorvos	Dimethoate	Disulfoton	Ethyl methanesulfonate	Ethion	Fenitrothion	Fenamiphos	Fenthion	Malathion	Methidathion	Mevinphos (Phosdrin)	Methyl parathion	Monocrotophos	Parathion
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	-	<2
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<0.2	<0.2	-	-	<0.2	<0.2	-	-	<0.2	-	-	-	-	<0.2
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<0.2	<0.2	<2	<5	<0.2	<0.2	<2	<2	<0.2	<2	<2	<2	-	<0.2

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Pesticides													
						Phorate	Prothiofos	Ronnel	Saflorle	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL						0.2	0.5	0.2	5	2	2	0.002	5	2	0.0005	0.0005	0.0005	0.0005	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Phorate	Prothiofos	Ronnel	Saflorle	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid	
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Pesticides													
						Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL						0.2	0.5	0.2	5	2	2	0.002	5	2	0.0005	0.0005	0.0005	0.0005	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	-	-	-	-	-

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						Pesticides													
						Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL						0.2	0.5	0.2	5	2	2	0.002	5	2	0.0005	0.0005	0.0005	0.0005	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.005	<0.005	<0.005	<0.005	<0.005
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.005	<0.005	<0.005	<0.005	<0.005
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Pesticides													
						Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL						0.2	0.5	0.2	5	2	2	0.002	5	2	0.0005	0.0005	0.0005	0.0005	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid	
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Pesticides													
						Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL						0.2	0.5	0.2	5	2	2	0.002	5	2	0.0005	0.0005	0.0005	0.0005	0.0005
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Phorate	Prothiofos	Ronnel	Saflrole	Terbufos	Trichloronate	Tetrachlorvinphos	Carbazole	Metribuzin	2,4,5-Trichlorophenoxy Acetic Acid	2,4,5-TP (Silvex)	Hedonal	2,4-Dichlorprop	2,4,6-Trichlorophenoxy-acetic acid
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.005	<0.005	<0.005	<0.005	<0.005
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<2	-	<2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<2	-	<0.2	<5	-	-	-	<5	<2	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Herbicides													
						4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
						µg/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
EQL						0.5	0.0005	0.0005	0.002	0.002	0.002	1	0.5	1	0.5	2	0.5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Herbicides													
						4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
						µg/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
EQL						0.5	0.0005	0.0005	0.002	0.002	0.002	1	0.5	1	0.5	2	0.5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<10	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Herbicides													
						4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
						µg/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
EQL						0.5	0.0005	0.0005	0.002	0.002	0.002	1	0.5	1	0.5	2	0.5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<0.005	<0.005	-	<0.02	-	<10	<5	<10	<5	-	<5	<10	<10
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<0.005	<0.005	-	<0.02	-	<10	<5	<10	<5	-	<5	<10	<10
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Herbicides													
						4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
						µg/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
EQL						0.5	0.0005	0.0005	0.002	0.002	0.002	1	0.5	1	0.5	2	0.5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Herbicides													
						4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
						µg/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
EQL						0.5	0.0005	0.0005	0.002	0.002	0.002	1	0.5	1	0.5	2	0.5	1	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	2-Chlorophenoxyacetic acid	4-Chlorophenoxy acetic acid	Ametryn	Acifluorfen	Atrazine	Bentazone	Bromoxynil	Chloramben	Clopyralid	Cyanazine	Dicamba	Dinoseb	Fluroxypyr
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<5	<0.005	<0.005	-	<0.02	-	<10	<5	<10	<5	-	<5	<10	<10
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<0.5	<0.0005	<0.0005	-	<0.002	-	<1	<0.5	<1	<0.5	-	<0.5	<1	<1
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<0.5	<0.0005	<0.0005	<0.002	<0.002	<0.002	<1	<0.5	<1	<0.5	<2	<0.5	<1	<1

Comments

#1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluoroalkyl Sulfonates													
						Hexachlorocyclopentadiene	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
						µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
EQL						2	0.5	0.5	0.5	0.002	0.002	0.002	0.002	0.0005	0.005	0.0004	0.001	0.0002	0.001
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hexachlorocyclopentadiene	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0033	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.046	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0025	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.69	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.42	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.095	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.50	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0031	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.029	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.001	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.030	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.002	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.15	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0006	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.063	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.001	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0090	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0049	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0020	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.051	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0050	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.019	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0033	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.015	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.001	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.012	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.002	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluoroalkyl Sulfonates													
						Hexachlorocyclopentadiene	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
						µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
EQL						2	0.5	0.5	0.5	0.002	0.002	0.002	0.002	0.0005	0.005	0.0004	0.001	0.0002	0.001
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hexachlorocyclopentadiene	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	0.01	<0.01
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	0.0009	<0.001	0.0002	<0.001
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	<0.0004	<0.001	<0.0002	<0.001
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0078	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	0.04	<0.01
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.02	<0.01	0.05	<0.01
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.01	<0.01	<0.01	<0.01
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.05	<0.01	<0.01	<0.01
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.09	0.07	0.24	0.01
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.06	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.06	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.08	0.06	0.25	0.02
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.31	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluoroalkyl Sulfonates													
						Hexachlorocyclopentadiene	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
						µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
EQL						2	0.5	0.5	0.5	0.002	0.002	0.002	0.002	0.0005	0.005	0.0004	0.001	0.0002	0.001
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hexachlorocyclopentadiene	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	0.09	0.08	0.27	0.02
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	<0.01	<0.01	0.03	<0.01
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	0.03	0.02	0.16	0.01
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	0.08	0.06	0.78	0.13
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	0.02	<0.01
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	0.01	<0.01
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	0.02	<0.01
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.015	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.042	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	0.007	0.004	0.014	<0.001
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	0.013	0.004	0.020	<0.001
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.007	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.002	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.009	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.011	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.014	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.030	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.015	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.01	<0.01	0.02	<0.01
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	0.02	<0.01	0.02	<0.01
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	<5	<5	<5	-	-	-	-	<0.005	-	<0.01	<0.01	0.03	<0.01
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	<5	<5	<5	-	-	-	-	<0.005	-	<0.01	<0.01	<0.01	<0.01
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.014	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.025	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.024	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	0.012	0.002	0.019	0.001
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	0.025	0.015	0.047	0.004
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.008	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.014	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.010	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.078	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.016	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.028	-

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						µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
EQL						2	0.5	0.5	0.5	0.002	0.002	0.002	0.002	0.0005	0.005	0.0004	0.001	0.0002	0.001
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
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304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0066	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.001	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.020	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.017	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.15	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.011	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.017	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0023	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0094	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.023	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.02	<0.01	<0.01	<0.01
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.05	0.02	0.21	<0.01
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.04	<0.01	<0.01	<0.01
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	0.01	<0.01
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	0.01	<0.01	<0.01	<0.01
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	<0.01	<0.01	<0.01	<0.01
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	0.08	0.03	0.18	<0.01
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.18	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0027	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0004	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0008	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.011	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluoroalkyl Sulfonates													
						Hexazinone	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
						µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
EQL						2	0.5	0.5	0.5	0.002	0.002	0.002	0.002	0.0005	0.005	0.0004	0.001	0.0002	0.001
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Hexazinone	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	Mecoprop	Prometryn	Propazine	Simazine	Terbutryn	Triclopyr	Trifluralin	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.010	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.009	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.004	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.030	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	-	<5	<5	<5	-	-	-	-	<0.005	-	<0.01	<0.01	<0.01	<0.01
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	0.02	<0.01	0.03	<0.01
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0029	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	0.0038	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	-	<0.5	<0.5	<0.5	-	-	-	-	<0.0005	-	<0.01	<0.01	<0.01	<0.01
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	<0.01	<0.01	<0.01	<0.01
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	<0.01	<0.01	<0.01	<0.01
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<2	<0.5	<0.5	<0.5	<0.002	<0.002	<0.002	<0.002	<0.0005	-	<0.01	<0.01	<0.01	<0.01

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluorinated Sulfonic Acids			Perfluoroalkyl Carboxylic Acid										
						Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
						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
EQL						0.0002	0.002	0.0002	0.002	0.002	0.0004	0.0004	0.0002	0.001	0.002	0.002	0.005	0.01	0.01
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%						0.00023						19							
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	0.001	-	0.0047	-	-	-	-	<0.001	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.040	-	0.086	-	-	-	-	0.15	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	<0.0002	-	<0.0002	-	-	-	-	<0.0002	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.0002	-	0.0027	-	-	-	-	0.0004	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.0007	-	0.0007	-	-	-	-	<0.0002	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.60	-	1.3	-	-	-	-	0.089	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.99	-	1.4	-	-	-	-	0.085	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.021	-	0.12	-	-	-	-	0.014	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	0.42	-	1.7	-	-	-	-	0.13	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.52	-	1.0	-	-	-	-	0.039	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.0023	-	0.0054	-	-	-	-	0.0026	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.0036	-	0.032	-	-	-	-	0.0030	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	1.7	-	2.7	-	-	-	-	0.11	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.0007	-	0.002	-	-	-	-	<0.01	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	0.0045	-	0.035	-	-	-	-	0.0023	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	<0.0002	-	0.002	-	-	-	-	0.013	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.021	-	1.2	-	-	-	-	0.027	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.026	-	0.17	-	-	-	-	0.094	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.001	-	0.002	-	-	-	-	0.001	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.0021	-	0.065	-	-	-	-	0.014	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.0024	-	0.0034	-	-	-	-	<0.0002	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.001	-	0.010	-	-	-	-	0.0007	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	0.0002	-	0.0002	-	-	-	-	<0.0002	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	0.0048	-	0.0097	-	-	-	-	0.0082	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	0.044	-	1.1	-	-	-	-	0.038	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.0068	-	0.0088	-	-	-	-	0.0026	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.037	-	0.088	-	-	-	-	0.018	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	0.002	-	0.0068	-	-	-	-	0.0005	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	0.084	-	0.10	-	-	-	-	0.0055	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	0.0028	-	0.0061	-	-	-	-	<0.0002	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.0009	-	0.0009	-	-	-	-	0.0002	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	0.0037	-	0.0037	-	-	-	-	0.0025	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	0.0009	-	0.016	-	-	-	-	0.002	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	0.0007	-	0.0021	-	-	-	-	0.0007	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	<0.0002	-	<0.0002	-	-	-	-	<0.0002	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	0.002	-	0.013	-	-	-	-	0.013	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	0.002	-	0.0032	-	-	-	-	<0.0004	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluorinated Sulfonic Acids			Perfluoroalkyl Carboxylic Acid										
						Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
						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
EQL						0.0002	0.002	0.0002	0.002	0.002	0.0004	0.0004	0.0002	0.001	0.002	0.002	0.005	0.01	0.01
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%						0.00023						19							
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.04	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.04	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.04	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.01	<0.02	0.01	0.05	<0.02	0.01	0.01	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.04	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	0.0002	<0.002	0.0004	<0.02	<0.002	0.0006	<0.0004	0.0006	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	0.0003	<0.002	0.0002	<0.02	<0.002	0.0004	<0.0004	0.0004	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	0.0029	-	0.011	-	-	-	-	0.0066	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.01	<0.02	0.04	<0.02	<0.02	<0.01	0.05	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	0.02	<0.02	0.07	0.05	0.02	0.02	0.02	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	0.02	<0.02	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	0.12	<0.02	0.36	0.04	0.03	0.22	0.06	0.05	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.01	-	0.06	-	-	-	-	0.02	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	0.03	-	0.03	-	-	-	-	<0.01	-	-	-	-	-	-
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.01	-	0.01	-	-	-	-	<0.01	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<0.01	-	0.06	-	-	-	-	0.02	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	0.02	-	0.02	-	-	-	-	<0.01	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	0.13	<0.02	0.38	0.03	0.04	0.23	0.05	0.06	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	0.29	-	0.60	-	-	-	-	0.12	-	-	-	-	-	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	0.02	-	0.02	-	-	-	-	<0.01	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	0.01	-	0.03	-	-	-	-	0.02	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	0.02	-	0.02	-	-	-	-	<0.01	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluorooctanesulfonic Acids			Perfluoroalkyl Carboxylic Acid										
						Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
						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
EQL						0.0002	0.002	0.0002	0.002	0.002	0.0004	0.0004	0.0002	0.001	0.002	0.002	0.005	0.01	0.01
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%						0.00023						19							
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	0.12	<0.02	0.39	0.03	0.04	0.24	0.06	0.06	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	0.04	<0.02	0.07	<0.02	<0.02	0.02	<0.01	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	0.17	<0.02	0.34	<0.02	<0.02	0.02	<0.01	0.06	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	1.9	<0.02	2.7	0.03	0.03	0.13	0.02	0.61	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	0.09	<0.02	0.11	0.04	0.03	0.03	0.01	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	0.03	<0.02	0.04	0.78	3.3	2.3	0.96	0.80	0.10	0.05	<0.02	<0.05	<0.1	<0.5
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.01	<0.02	0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	0.04	<0.02	<0.01	<0.01	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	<0.001	-	<0.001	-	-	-	-	<0.001	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	0.013	-	0.028	-	-	-	-	0.019	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	0.003	-	0.003	-	-	-	-	0.002	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	0.046	-	0.088	-	-	-	-	0.010	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.001	<0.002	0.014	<0.02	0.086	0.071	0.032	0.017	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	0.017	<0.002	0.037	<0.02	0.006	0.018	0.030	1.8	0.003	<0.002	<0.002	<0.005	<0.01	<0.05
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	0.011	-	0.018	-	-	-	-	0.022	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	0.003	-	0.005	-	-	-	-	<0.001	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	0.007	-	0.016	-	-	-	-	0.013	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	0.030	-	0.041	-	-	-	-	0.020	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	0.026	-	0.041	-	-	-	-	0.026	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	0.006	-	0.036	-	-	-	-	0.009	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	<0.001	-	<0.001	-	-	-	-	0.003	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	0.003	-	0.017	-	-	-	-	0.028	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	0.001	-	0.22	-	-	-	-	0.002	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<0.01	<0.02	0.02	<0.02	<0.02	<0.01	<0.01	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<0.01	<0.02	0.02	<0.02	<0.02	0.01	<0.01	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.01	<0.02	0.03	<0.02	0.02	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	0.032	-	0.047	-	-	-	-	0.009	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	0.007	-	0.032	-	-	-	-	0.005	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	0.012	-	0.036	-	-	-	-	0.007	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	0.030	<0.002	0.049	<0.02	0.024	0.016	0.005	0.015	0.001	<0.002	<0.002	<0.005	<0.01	<0.05
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	0.10	<0.002	0.15	<0.02	<0.02	0.042	0.016	0.017	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	0.028	-	0.037	-	-	-	-	0.006	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	0.002	-	0.016	-	-	-	-	0.008	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	0.015	-	0.025	-	-	-	-	0.004	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	0.17	-	0.25	-	-	-	-	0.021	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	0.016	-	0.032	-	-	-	-	0.007	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	0.005	-	0.033	-	-	-	-	0.005	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Perfluorinated Sulfonic Acids			Perfluoroalkyl Carboxylic Acid										
						Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
						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
EQL						0.0002	0.002	0.0002	0.002	0.002	0.0004	0.0004	0.0002	0.001	0.002	0.002	0.005	0.01	0.01
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%						0.00023						19							
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GLs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	0.043	-	0.050	-	-	-	-	0.051	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	0.0039	-	0.0052	-	-	-	-	0.0037	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	0.034	-	0.054	-	-	-	-	0.029	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	0.041	-	0.057	-	-	-	-	0.030	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	0.20	-	0.35	-	-	-	-	0.13	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	0.026	-	0.037	-	-	-	-	0.022	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	0.058	-	0.075	-	-	-	-	0.039	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	0.027	-	0.029	-	-	-	-	0.018	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	0.016	-	0.025	-	-	-	-	0.014	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	0.020	-	0.043	-	-	-	-	0.065	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	0.03	<0.02	0.03	<0.02	0.04	0.02	0.01	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	0.20	<0.02	0.41	0.05	0.2	0.17	0.07	0.13	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	0.02	<0.01	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	0.06	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	0.03	<0.02	0.04	<0.02	0.05	0.05	0.04	0.06	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	0.06	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	0.02	<0.01	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	0.14	<0.02	0.31	0.06	0.23	0.24	0.07	0.11	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	0.23	-	0.41	-	-	-	-	0.15	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	0.04	-	0.04	-	-	-	-	0.02	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	0.02	-	0.02	-	-	-	-	0.03	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	0.001	-	0.001	-	-	-	-	0.0003	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	0.0046	-	0.0074	-	-	-	-	<0.0002	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	0.0022	-	0.0026	-	-	-	-	0.0009	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	0.0006	-	0.0006	-	-	-	-	<0.0002	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	0.0005	-	0.0005	-	-	-	-	<0.0002	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	0.0009	-	0.002	-	-	-	-	0.0003	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	4.7	-	13	-	-	-	-	0.41	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	0.013	-	0.024	-	-	-	-	0.001	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Sulfonic Acids			Perfluoroalkyl Carboxylic Acid										
						Perfluorooctanesulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
						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
EQL						0.0002	0.002	0.0002	0.002	0.002	0.0004	0.0004	0.0002	0.001	0.002	0.002	0.005	0.01	0.01
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																			
PFAS NEMP 2020 Interim Marine 99%						0.00023						19							
ANZECC 2000 SE Aust Triggers - Estuaries																			
NEPM 2013 Table 1C GILs, Marine Waters																			

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecane sulfonic acid (PFDS)	Sum of PFHxS and PFOS	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 (PFTriDA)	Perfluorotetradecanoic acid (PFTeDA)
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	0.0077	-	0.018	-	-	-	-	0.0020	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	0.01	-	0.019	-	-	-	-	0.001	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	0.001	-	0.005	-	-	-	-	<0.001	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	0.026	-	0.056	-	-	-	-	0.005	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	0.03	<0.02	0.06	<0.02	0.05	0.08	0.03	0.16	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	<0.0002	-	<0.0002	-	-	-	-	0.0004	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	<0.0002	-	<0.0002	-	-	-	-	<0.0002	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	0.0029	-	0.0058	-	-	-	-	0.011	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	0.0006	-	0.0006	-	-	-	-	<0.0002	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	0.0003	-	0.0003	-	-	-	-	<0.0002	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	0.0003	-	0.0041	-	-	-	-	0.001	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	<0.0002	-	<0.0002	-	-	-	-	<0.0002	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Perfluoroalkyl Sulfonamides										Fluorotelomer Sulfonic Acids				PFAS Totals	
	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEFOSA)	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctane sulfonamidoethanol (NEFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctane sulfonamidoacetic acid (NEFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of 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		
EQL	0.01	0.005	0.01	0.005	0.05	0.002	0.002	0.001	0.0004	0.0004	0.002	0.01	0.0002	0.0002		
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																
PFAS NEMP 2020 Interim Marine 99%																
ANZECC 2000 SE Aust Triggers - Estuaries																
NEPM 2013 Table 1C GILs, Marine Waters																

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEFOSA)	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctane sulfonamidoethanol (NEFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctane sulfonamidoacetic acid (NEFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of PFAS
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.001	<0.0004	-	-	0.001	0.0047
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0004	<0.0004	-	-	0.19	0.23
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	<0.0002	<0.0002
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.002	<0.0004	-	-	0.0006	0.0047
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0007	0.0007
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.075	<0.0004	-	-	0.69	1.5
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.19	0.026	-	-	1.1	1.7
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.0004	-	-	0.035	0.13
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.061	<0.0004	-	-	0.55	1.9
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0008	<0.0004	-	-	0.55	1.1
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0048	0.0079
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0066	0.035
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0004	<0.0004	-	-	1.8	2.8
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0008	<0.0004	-	-	0.0007	0.002
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0069	0.037
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.013	0.015
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.048	1.2
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.12	0.27
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0006	<0.0004	-	-	0.0021	0.0033
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.017	0.079
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0024	0.0034
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0005	<0.0004	-	-	0.002	0.011
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0005	<0.0004	-	-	0.0002	0.0007
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.013	0.018
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.082	1.1
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.0004	-	-	0.0094	0.013
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0005	<0.0004	-	-	0.054	0.11
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0022	0.0073
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.025	<0.0004	-	-	0.090	0.13
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.0004	-	-	0.0028	0.0075
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.001	0.001
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.17	<0.0004	-	-	0.0062	0.17
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0027	0.017
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.001	0.0028
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	<0.0002	<0.0002
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.015	0.027
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0005	<0.0004	-	-	0.002	0.0037
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Perfluoroalkyl Sulfonamides										Fluorotelomer Sulfonic Acids				PFAS Totals		
	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctane sulfonamidoacetic acid (NEtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of 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			
EQL	0.01	0.005	0.01	0.005	0.05	0.002	0.002	0.001	0.0004	0.0004	0.002	0.01	0.0002	0.0002			
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																	
PFAS NEMP 2020 Interim Marine 99%																	
ANZECC 2000 SE Aust Triggers - Estuaries																	
NEPM 2013 Table 1C GILs, Marine Waters																	

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	-	<0.01	<0.01
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	-	<0.01	<0.01
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	-	<0.01	<0.01
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	-	<0.01	<0.01
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.02	0.11
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.01	<0.02	<0.02	-	<0.01	0.01
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	-	<0.01	<0.01
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.01	<0.005	<0.02	<0.005	<0.05	<0.002	<0.002	<0.001	0.011	<0.0004	<0.002	-	0.0008	0.014
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	<0.01	<0.005	<0.01	<0.005	<0.05	<0.002	<0.002	<0.001	0.0061	<0.0004	<0.002	-	0.0006	0.0072
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	-	0.0095	0.017
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.04	0.13
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.04	0.22
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	0.01
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	0.09
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	0.01
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.17	0.93
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	<0.01
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.02	0.08
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.03	0.03
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	<0.01
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	0.01
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	<0.01
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.02	0.07
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.02	0.02
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.01	<0.02	<0.02	-	0.19	0.96
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	<0.01
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.42	0.72
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.02	0.02
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.03	0.04
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	<0.01
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	<0.01
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	<0.01	<0.01
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	-	-	-	-	<0.01	<0.02	-	-	-	0.02	0.02

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Perfluoroalkyl Sulfonamides									Fluorotelomer Sulfonic Acids				PFAS Totals		
	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of 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		
EQL	0.01	0.005	0.01	0.005	0.05	0.002	0.002	0.001	0.0004	0.0004	0.002	0.01	0.0002	0.0002		
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																
PFAS NEMP 2020 Interim Marine 99%																
ANZECC 2000 SE Aust Triggers - Estuaries																
NEPM 2013 Table 1C GILs, Marine Waters																

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.01	<0.02	<0.02	-	0.18	1.0
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.01	<0.02	<0.02	-	0.18	1.0
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.05	0.09
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.23	0.47
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	2.5	3.8
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.13	0.27
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.63	0.04	<0.02	-	0.83	9.0
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.01	<0.02	<0.02	-	<0.01	0.01
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	0.02
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.01	0.05
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.001	<0.002	-	-	<0.001	<0.001
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.003	<0.002	-	-	0.031	0.049
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.005	0.005
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.056	0.098
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.01	<0.05	<0.1	<0.05	<0.5	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	-	0.017	0.23
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	<0.01	<0.05	<0.1	<0.05	<0.5	<0.002	<0.002	<0.001	0.003	<0.002	<0.002	-	1.8	1.9
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.010	<0.002	-	-	0.032	0.049
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.004	<0.002	-	-	0.003	0.008
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.020	0.029
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.051	0.061
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.002	<0.002	-	-	0.052	0.069
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.016	0.045
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.003	0.003
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.031	0.045
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.003	0.23
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.02	0.05
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.03	0.07
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	0.06
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.03	<0.02	<0.02	-	<0.01	0.04
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.003	<0.002	-	-	0.042	0.058
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.13	<0.002	-	-	0.013	0.17
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.003	<0.002	-	-	0.019	0.046
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.01	<0.05	<0.1	<0.05	<0.5	<0.002	<0.002	<0.001	0.008	0.003	<0.002	-	0.044	0.14
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	<0.01	<0.05	<0.1	<0.05	<0.5	<0.002	<0.002	<0.001	0.001	<0.002	<0.002	-	0.12	0.27
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	<0.001	<0.002	-	-	-	0.034	0.043
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.002	-	-	0.009	0.024
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.002	<0.002	-	-	0.019	0.030
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.019	<0.002	-	-	0.19	0.29
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.050	<0.002	-	-	0.023	0.089
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.15	<0.002	-	-	0.010	0.19

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

EQL	Perfluoroalkyl Sulfonamides								Fluorotelomer Sulfonic Acids				PFAS Totals		
	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctane sulfonamidoacetic acid (NEtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of 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	
	0.01	0.005	0.01	0.005	0.05	0.002	0.002	0.001	0.0004	0.0004	0.002	0.01	0.0002	0.0002	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)															
PFAS NEMP 2020 Interim Marine 99%															
ANZECC 2000 SE Aust Triggers - Estuaries															
NEPM 2013 Table 1C GILs, Marine Waters															

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctane sulfonamidoacetic acid (NEtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of PFAS	
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.094	0.10	
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0009	<0.0004	-	-	0.0076	0.0098	
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.0004	-	-	0.063	0.084	
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0007	<0.0004	-	-	0.071	0.088	
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0049	0.002	-	-	0.33	0.48	
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.0004	-	-	0.047	0.060	
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.0004	-	-	0.097	0.12	
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.045	0.047	
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0009	<0.0004	-	-	0.030	0.040	
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.001	<0.0004	-	-	0.085	0.11	
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	0.06	0.15
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	<0.01	<0.01
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	0.32	1.1
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	0.01	0.08
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.38	<0.02	<0.02	-	-	<0.01	0.43
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	0.09	0.23
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.06	<0.02	<0.02	-	-	<0.01	0.06
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.38	<0.02	<0.02	-	-	<0.01	0.44
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	0.02	0.05
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	<0.01	<0.01
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	0.24	1.1
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	<0.01	<0.02	-	-	0.39	0.56	
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	<0.01	<0.02	-	-	0.06	0.06	
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	<0.01	<0.02	-	-	0.05	0.05	
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	<0.01	<0.02	-	-	<0.01	<0.01	
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	<0.01	<0.01
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	<0.01	<0.01
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	-	<0.01	<0.01
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.001	0.001	
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0046	0.0074	
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.0004	<0.0004	-	-	0.0031	0.0039	
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0006	0.0006	
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0005	0.0005	
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.001	0.002	
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.01	<0.01	-	-	5.1	13	
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.015	0.025	

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

EQL	Perfluoroalkyl Sulfonamides										Fluorotelomer Sulfonic Acids				PFAS Totals	
	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of 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		
	0.01	0.005	0.01	0.005	0.05	0.002	0.002	0.001	0.0004	0.0004	0.002	0.01	0.0002	0.0002		
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																
PFAS NEMP 2020 Interim Marine 99%																
ANZECC 2000 SE Aust Triggers - Estuaries																
NEPM 2013 Table 1C GILs, Marine Waters																

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Perfluorooctane sulfonamide (PFOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS (WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of PFAS
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0097	0.020
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.001	<0.002	-	-	0.011	0.020
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.001	<0.002	-	-	0.001	0.005
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.001	<0.002	-	-	0.031	0.061
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	0.18	0.39
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0004	0.0004
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	<0.0002	<0.0002
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.014	0.017
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	<0.0004	<0.0004	-	-	0.0006	0.0006
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.024	<0.0004	-	-	0.0003	0.024
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.003	<0.0004	-	-	0.001	0.0078
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	0.003	<0.0004	-	-	<0.0002	0.0029
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	0.02	<0.02	<0.02	-	<0.01	0.02
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	-	<0.01	<0.01
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<0.1	<0.05	<0.1	<0.05	<0.5	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	-	<0.01	<0.01

Comments
 #1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards
 ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	EQL	ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	PFAS NEMP 2020 Interim Marine 99%	ANZECC 2000 SE Aust Triggers - Estuaries	NEPM 2013 Table 1C GILs, Marine Waters	Organic		Other			Phthalates					Methyl Ethyl Ketone
						Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Aciril (Ioxynil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	
	5	0.005	0.002	0.0005	5	0.001	0.0002	5	5	5	5	5	5	5	5	

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Aciril (Ioxynil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	Dimethyl phthalate µg/L	Di-n-butyl phthalate µg/L	Di-n-octyl phthalate µg/L	Methyl Ethyl Ketone µg/L	
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	0.012	-	-	-	-	-	-	-	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	0.026	-	-	-	-	-	-	-	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.094	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	0.093	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	0.018	-	-	-	-	-	-	-	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	EQL	Organic			Other			Phthalates					Methyl Ethyl Ketone		
		Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Actril (oxymil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	Dimethyl phthalate µg/L		Di-n-butyl phthalate µg/L	Di-n-octyl phthalate µg/L
		5	0.005	0.002	0.0005	5	0.001	0.0002	5	5	5	5	5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)															
PFAS NEMP 2020 Interim Marine 99%															
ANZECC 2000 SE Aust Triggers - Estuaries															
NEPM 2013 Table 1C GILs, Marine Waters															

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Actril (oxymil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	Dimethyl phthalate µg/L	Di-n-butyl phthalate µg/L	Di-n-octyl phthalate µg/L	Methyl Ethyl Ketone µg/L
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	0.045	-	-	-	-	-	-	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<5	0.01	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<5	0.13	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	0.016	-	-	-	-	-	-	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	0.012	-	-	-	-	-	-	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<5	0.013	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<0.005	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	0.037	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	0.045	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	0.014	-	-	-	-	-	-	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	0.009	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	0.011	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	0.014	-	-	<5	-	<0.002	<50	<10	<10	<10	<10	<10	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	EQL	Organic		Other				Phthalates					Methyl Ethyl Ketone					
		Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Acetyl (loxynil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	Dimethyl phthalate µg/L		Di-n-butyl phthalate µg/L	Di-n-octyl phthalate µg/L			
	5	0.005	0.002	0.0005	5	0.001	0.0002	5	5	5	5	5	5	5				
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																		
PFAS NEMP 2020 Interim Marine 99%																		
ANZECC 2000 SE Aust Triggers - Estuaries																		
NEPM 2013 Table 1C GILs, Marine Waters																		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Acetyl (loxynil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	Dimethyl phthalate µg/L	Di-n-butyl phthalate µg/L	Di-n-octyl phthalate µg/L	Methyl Ethyl Ketone µg/L
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	0.016	-	-	-	-	-	-	-	-	-	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	0.48	-	-	-	-	-	-	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	8.1	-	-	-	-	-	-	-	-	-	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	0.018	-	-	-	-	-	-	-	-	-	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	5.3	-	-	-	-	-	-	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	0.17	-	-	-	-	-	-	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	6.8	-	-	-	-	-	-	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	0.009	-	-	-	-	-	-	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	0.013	-	-	-	-	-	-	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	-	-	<0.005	<5	<0.01	<0.002	<50	<10	<10	<10	<10	<10	-
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	-	-	<0.005	<5	<0.01	<0.002	<50	<10	<10	<10	<10	<10	-
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	0.47	-	-	-	-	-	-	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	0.074	-	-	-	-	-	-	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	0.72	-	-	-	-	-	-	-	-	-	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	5	-	-	-	-	-	-	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	0.79	-	-	-	-	-	-	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	0.074	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	EQL	Organic		Other				Phthalates						Methyl Ethyl Ketone				
		Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Actril (loxymil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	Dimethyl phthalate µg/L	Di-n-butyl phthalate µg/L		Di-n-octyl phthalate µg/L			
	5	0.005	0.002	0.0005	5	0.001	0.0002	5	5	5	5	5	5	5				
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)																		
PFAS NEMP 2020 Interim Marine 99%																		
ANZECC 2000 SE Aust Triggers - Estuaries																		
NEPM 2013 Table 1C GILs, Marine Waters																		

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Pentachloronitrobenzene µg/L	Methane mg/L	Terbutylazine mg/L	3,5-Dichlorobenzoic acid mg/L	Acetophenone µg/L	Actril (loxymil) mg/L	Phosalone mg/L	Bis(2-ethylhexyl) phthalate µg/L	Butyl benzyl phthalate µg/L	Diethylphthalate µg/L	Dimethyl phthalate µg/L	Di-n-butyl phthalate µg/L	Di-n-octyl phthalate µg/L	Methyl Ethyl Ketone µg/L	
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	<10	-
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	EQL	Organic			Other			Phthalates					Methyl Ethyl Ketone	
		Pentachloronitrobenzene	Methane	Terbutylazine	3,5-Dichlorobenzoic acid	Acetophenone	Acetyl (Ioxynil)	Phosalone	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate		Di-n-butyl phthalate
		µg/L	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		5	0.005	0.002	0.0005	5	0.001	0.0002	5	5	5	5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	Pentachloronitrobenzene	Methane	Terbutylazine	3,5-Dichlorobenzoic acid	Acetophenone	Acetyl (Ioxynil)	Phosalone	Bis(2-ethylhexyl) phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Methyl Ethyl Ketone
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<5	-	-	<0.005	<5	<0.01	<0.002	<50	<10	<10	<10	<10	<10	-
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<5	-	-	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<5	-	<0.002	<0.0005	<5	<0.001	<0.002	<50	<10	<10	<10	<10	<10	-

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Solvents						Arsenic Speciation			NA		Amino Aliphatics		
	2-hexanone (MBK) µg/L	4-Methyl-2-pentanone µg/L	Carbon disulfide µg/L	Cyclohexane mg/L	Isophorone µg/L	Vinyl acetate µg/L	Dimethylarsinic Acid (DMA) µg/L	Methylarsonic acid (MMA) µg/L	Arsenobetaine (ASB) µg/L	Arsenic Acid, As (V) µg/L	Arsenious Acid, As (III) µg/L	Irgarol µg/L	N-nitrosodi-n-butylamine µg/L	N-nitrosodi-n-propylamine µg/L
EQL	50	5	1	0.001	5	50	1	1	1	1	1	2	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2-hexanone (MBK) µg/L	4-Methyl-2-pentanone µg/L	Carbon disulfide µg/L	Cyclohexane mg/L	Isophorone µg/L	Vinyl acetate µg/L	Dimethylarsinic Acid (DMA) µg/L	Methylarsonic acid (MMA) µg/L	Arsenobetaine (ASB) µg/L	Arsenic Acid, As (V) µg/L	Arsenious Acid, As (III) µg/L	Irgarol µg/L	N-nitrosodi-n-butylamine µg/L	N-nitrosodi-n-propylamine µg/L	
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5	<5
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5	<5
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Solvents						Arsenic Speciation			NA		Amino Aliphatics		
	2-hexanone (MBK) µg/L	4-Methyl-2-pentanone µg/L	Carbon disulfide µg/L	Cyclohexane mg/L	Isophorone µg/L	Vinyl acetate µg/L	Dimethylarsinic Acid (DMA) µg/L	Methylarsonic acid (MMA) µg/L	Arsenobetaine (ASB) µg/L	Arsenic Acid, As (V) µg/L	Arsenious Acid, As (III) µg/L	Irgarol µg/L	N-nitrosodi-n-butylamine µg/L	N-nitrosodi-n-propylamine µg/L
EQL	50	5	1	0.001	5	50	1	1	1	1	1	2	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2-hexanone (MBK)	4-Methyl-2-pentanone	Carbon disulfide	Cyclohexane	Isophorone	Vinyl acetate	Dimethylarsinic Acid (DMA)	Methylarsonic acid (MMA)	Arsenobetaine (ASB)	Arsenic Acid, As (V)	Arsenious Acid, As (III)	Irgarol	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	2	-	<5	<5
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	4	21	-	<5	<5
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	5	-	<5	<5
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Solvents						Arsenic Speciation			NA		Amino Aliphatics		
	2-hexanone (MBK) µg/L	4-Methyl-2-pentanone µg/L	Carbon disulfide µg/L	Cyclohexane mg/L	Isophorone µg/L	Vinyl acetate µg/L	Dimethylarsinic Acid (DMA) µg/L	Methylarsonic acid (MMA) µg/L	Arsenobetaine (ASB) µg/L	Arsenic Acid, As (V) µg/L	Arsenious Acid, As (III) µg/L	Irgarol µg/L	N-nitrosodi-n-butylamine µg/L	N-nitrosodi-n-propylamine µg/L
EQL	50	5	1	0.001	5	50	1	1	1	1	1	2	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GLs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2-hexanone (MBK) µg/L	4-Methyl-2-pentanone µg/L	Carbon disulfide µg/L	Cyclohexane mg/L	Isophorone µg/L	Vinyl acetate µg/L	Dimethylarsinic Acid (DMA) µg/L	Methylarsonic acid (MMA) µg/L	Arsenobetaine (ASB) µg/L	Arsenic Acid, As (V) µg/L	Arsenious Acid, As (III) µg/L	Irgarol µg/L	N-nitrosodi-n-butylamine µg/L	N-nitrosodi-n-propylamine µg/L
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	1	<1	-	<5	<5
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	16	25	-	<5	<5
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Solvents						Arsenic Speciation			NA		Amino Aliphatics		
	2-hexanone (MBK) µg/L	4-Methyl-2-pentanone µg/L	Carbon disulfide µg/L	Cyclohexane mg/L	Isophorone µg/L	Vinyl acetate µg/L	Dimethylarsinic Acid (DMA) µg/L	Methylarsonic acid (MMA) µg/L	Arsenobetaine (ASB) µg/L	Arsenic Acid, As (V) µg/L	Arsenious Acid, As (III) µg/L	Irgarol µg/L	N-nitrosodi-n-butylamine µg/L	N-nitrosodi-n-propylamine µg/L
EQL	50	5	1	0.001	5	50	1	1	1	1	1	2	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2-hexanone (MBK)	4-Methyl-2-pentanone	Carbon disulfide	Cyclohexane	Isophorone	Vinyl acetate	Dimethylarsinic Acid (DMA)	Methylarsonic acid (MMA)	Arsenobetaine (ASB)	Arsenic Acid, As (V)	Arsenious Acid, As (III)	Irgarol	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5	<5
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5	<5
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5	<5
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5	<5
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	<5
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

	Solvents						Arsenic Speciation			NA		Amino Aliphatics		
	2-hexanone (MBK) µg/L	4-Methyl-2-pentanone µg/L	Carbon disulfide µg/L	Cyclohexane mg/L	Isophorone µg/L	Vinyl acetate µg/L	Dimethylarsinic Acid (DMA) µg/L	Methylarsonic acid (MMA) µg/L	Arsenobetaine (ASB) µg/L	Arsenic Acid, As (V) µg/L	Arsenious Acid, As (III) µg/L	Irgarol µg/L	N-nitrosodi-n-butylamine µg/L	N-nitrosodi-n-propylamine µg/L
EQL	50	5	1	0.001	5	50	1	1	1	1	1	2	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)														
PFAS NEMP 2020 Interim Marine 99%														
ANZECC 2000 SE Aust Triggers - Estuaries														
NEPM 2013 Table 1C GILs, Marine Waters														

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	2-hexanone (MBK)	4-Methyl-2-pentanone	Carbon disulfide	Cyclohexane	Isophorone	Vinyl acetate	Dimethylarsinic Acid (DMA)	Methylarsonic acid (MMA)	Arsenobetaine (ASB)	Arsenic Acid, As (V)	Arsenious Acid, As (III)	Irgarol	N-nitrosodi-n-butylamine	N-nitrosodi-n-propylamine	
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	-	-	-	<0.001	<5	-	<1	<1	<1	<1	<1	-	<5	<5	-
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	-	-	-	0.036	<5	-	<1	<1	<1	<1	<1	-	<5	<5	-
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	-	<5	<5	-
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5	-
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5	-
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	-	-	-	<0.001	<5	-	-	-	-	-	-	<2	<5	<5	-

Comments

- #1 NIL (+)VE
- #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

- ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
- HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
- DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
- 2013, NEPM 2013 Table 1C GILs, Marine Waters

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation
Data

						Amino Aromatics		
						1-naphthylamine	2-naphthylamine	Diphenylamine
						µg/L	µg/L	µg/L
EQL						5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								
PFAS NEMP 2020 Interim Marine 99%								
ANZECC 2000 SE Aust Triggers - Estuaries								
NEPM 2013 Table 1C GILs, Marine Waters								

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline			
300162-1	SMW_ENV238	Clyde Zone 1	11 Jul 2022	Water	Baseline	-	-	-
300303-1	SMW_ENV237	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300303-2	SMW_ENV149	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300303-3	SMW_ENV241	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300303-4	SMW_ENV234	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300303-5	SMW_ENV209	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300303-6	SMW_ENV243	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300303-7	SMW_ENV208	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300303-8	SMW_ENV207	Clyde Zone 1	12 Jul 2022	Water	Baseline	-	-	-
300440-1	SMW_ENV235	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-
300440-2	SMW_ENV210	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-
300440-3	SMW_ENV206	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-
300440-4	SMW_ENV242	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-
300440-5	SMW_WTP_BH35	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-
300440-6	SMW_ENV223s	Clyde Zone 1	13 Jul 2022	Water	Baseline	-	-	-
300526-1	SMW_ENV226	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300526-13	SMW_ENV250	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300526-2	SMW_ENV222	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300526-3	SMW_ENV264	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300526-4	SMW_ENV287	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300526-5	SMW_ENV236	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300526-6	SMW_WTP_BH38	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300526-7	SMW_ENV204	Clyde Zone 1	14 Jul 2022	Water	Baseline	-	-	-
300573-1	SMW_WTP_BH030	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	<5	<5
300573-2	SMW_WTP_BH030_S	Clyde Zone 1	15 Jul 2022	Water	Baseline	<5	<5	<5
300676-4	SMW_ENV224	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-
300676-5	SMW_WTP_BH41	Clyde Zone 1	15 Jul 2022	Water	Baseline	-	-	-
301795-1	CZ1_BH06	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-
301795-2	CZ1_BH08	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-
301795-3	CZ1_BH13	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-
301795-4	CZ1_BH141	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-
301795-5	CZ1_BH144	Clyde Zone 1	27 Jul 2022	Water	Baseline	-	-	-
301795-6	CZ1_BH134	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-
301795-7	SMW_BH064	Clyde Zone 1	28 Jul 2022	Water	Baseline	-	-	-
302001-1	CZ1C_BH71_MW	Clyde Zone 1	01 Aug 2022	Water	Baseline	-	-	-
302377-4	CZ1_BH130_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-
302377-5	CZ1_BH42_MW	Clyde Zone 1	04 Aug 2022	Water	Baseline	-	-	-
302542-1	CZ1_BH61_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-
302542-6	CZ1_BH20_MW	Clyde Zone 1	05 Aug 2022	Water	Baseline	-	-	-
306498-1	SMW_ENV207	Clyde Zone 1	23 Sep 2022	Water	Baseline	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation
Data

						Amino Aromatics		
						1-naphthylamine	2-naphthylamine	Diphenylamine
						µg/L	µg/L	µg/L
EQL						5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								
PFAS NEMP 2020 Interim Marine 99%								
ANZECC 2000 SE Aust Triggers - Estuaries								
NEPM 2013 Table 1C GILs, Marine Waters								

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1-naphthylamine	2-naphthylamine	Diphenylamine
307739-3	SMW_ENV234	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<5	<5
307739-6	SMW_ENV149	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<5	<5
307739-7	CZ1_BH13	Clyde Zone 1	10 Oct 2022	Water	Baseline	<5	<5	<5
307846-1	SMW_ENV224	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	<5	<5
307846-2	SMW_WTP_BH25	Clyde Zone 1	11 Oct 2022	Water	Baseline	<5	<5	<5
313123-3	SMW_WTP_BH35	Clyde Zone 1	14 Dec 2022	Water	Baseline	-	-	-
298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	16 Jun 2022	Water	Baseline	-	-	-
298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-
298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	23 Jun 2022	Water	Baseline	-	-	-
300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	13 Jul 2022	Water	Baseline	-	-	-
300470-3	SMW_WTP_BH25_w	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<5	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<5	<5
300470-4	SMW_WTP_BH25_s	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	-	-	-
300470-5	SMW_ENV039	Clyde Zone 3 / Dive	14 Jul 2022	Water	Baseline	<5	<5	<5
300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	<5	<5
300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	15 Jul 2022	Water	Baseline	<5	<5	<5
300679-1	SMW_ENV010	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	<5	<5
300679-2	SMW_ENV009	Clyde Zone 3 / Dive	18 Jul 2022	Water	Baseline	<5	<5	<5
300546-1	SMW_ENV293	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	<5	<5
300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	13 Jul 2022	Water	Baseline	<5	<5	<5
301190-1	SMW_ENV083	Clyde Zone 4w/6	22 Jul 2022	Water	Baseline	<5	<5	<5
306787-1	CZ6_MW02	Clyde Zone 4w/6	27 Sep 2022	Water	Baseline	<5	<5	<5
306916-1	CZ6_MW03	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-
306916-2	CZ6_MW04	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	<5	<5	<5
306917-1	CZ4_MW10	Clyde Zone 4w/6	28 Sep 2022	Water	Baseline	-	-	-
306966-1	CZ4_MW05	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-
306966-2	CZ4_MW06	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	<5	<5	<5
306966-5	CZ4_MW07	Clyde Zone 4w/6	29 Sep 2022	Water	Baseline	-	-	-
307429-1	CZ4w_MW04	Clyde Zone 4w/6	05 Oct 2022	Water	Baseline	-	-	-
307739-1	SMW_ENV083	Clyde Zone 4w/6	10 Oct 2022	Water	Baseline	<5	<5	<5
308537-1	CZ4w_MW08	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<5	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<5	<5
308538-1	CZ6_MW07	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	<5	<5	<5
308538-2	CZ6_MW05	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-
308538-4	SMW_ENV283_s	Clyde Zone 4w/6	19 Oct 2022	Water	Baseline	-	-	-
310891-4	CZ4_MW11	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	-	-	-
310891-5	CZ4_MW12	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<5	<5
310891-6	CZ4_MW13	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<5	<5
310891-7	CZ4_MW15	Clyde Zone 4w/6	17 Nov 2022	Water	Baseline	<5	<5	<5

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Amino Aromatics		
						1-naphthylamine	2-naphthylamine	Diphenylamine
						µg/L	µg/L	µg/L
EQL						5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								
PFAS NEMP 2020 Interim Marine 99%								
ANZECC 2000 SE Aust Triggers - Estuaries								
NEPM 2013 Table 1C GILs, Marine Waters								

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1-naphthylamine	2-naphthylamine	Diphenylamine
314602-1	SMW_ENV083	Clyde Zone 4w/6	16 Jan 2023	Water	Baseline	<5	<5	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	<5	<5	<5
314907-2	CZ6_MW05	Clyde Zone 4w/6	20 Jan 2023	Water	Baseline	-	-	-
300003-1	SMW_ENV201	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-
300003-2	SMW_ENV202	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-
300003-3	SMW_ENV221	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-
300003-4	SMW_ENV272	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-
300003-5	SMW_ENV279	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-
300003-6	SMW_ENV280	Clyde Zone 5	07 Jul 2022	Water	Baseline	-	-	-
300470-1	SMW_ENV045	Clyde Zone 5	14 Jul 2022	Water	Baseline	<5	<5	<5
302541-1	SMW_WTP_BH29	Clyde Zone 5	05 Aug 2022	Water	Baseline	-	-	-
302643-1	SMW_ENV219	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-
302643-5	SMW_ENV220	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-
302643-8	SMW_ENV218	Clyde Zone 5	08 Aug 2022	Water	Baseline	-	-	-
302827-1	SMW_ENV276	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-
302827-5	SMW_ENV200	Clyde Zone 5	09 Aug 2022	Water	Baseline	-	-	-
303621-1	CZ5_MW06	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-
303621-2	CZ5_MW17	Clyde Zone 5	19 Aug 2022	Water	Baseline	-	-	-
303849-1	CZ5_MW03	Clyde Zone 5	23 Aug 2022	Water	Baseline	-	-	-
306161-4	CZ5_MW20	Clyde Zone 5	19 Sep 2022	Water	Baseline	-	-	-
306375-1	CZ5_MW21	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-
306375-7	CZ5_MW27	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-
306375-8	CZ5_MW18	Clyde Zone 5	26 Sep 2022	Water	Baseline	-	-	-
306788-1	CZ5_MW16	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-
306788-2	CZ5_MW09	Clyde Zone 5	27 Sep 2022	Water	Baseline	-	-	-
307846-3	CZ5_MW16	Clyde Zone 5	11 Oct 2022	Water	Baseline	<5	<5	<5
314602-2	CZ5_MW16	Clyde Zone 5	16 Jan 2023	Water	Baseline	<5	<5	<5
301190-2	SMW_ENV089	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<5	<5
301190-3	SMW_ENV088	Clyde Zone 5b	22 Jul 2022	Water	Baseline	<5	<5	<5
303849-2	SMW_ENV087	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-
303849-3	SMW_ENV088	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-
303849-4	SMW_ENV089	Clyde Zone 5b	23 Aug 2022	Water	Baseline	-	-	-
305970-1	CZ5_MW22	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-
305970-5	CZ5_MW26	Clyde Zone 5b	15 Sep 2022	Water	Baseline	-	-	-
306161-1	CZ5_MW23	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-
306161-2	SMW_ENV089	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-
306161-3	SMW_ENV087	Clyde Zone 5b	19 Sep 2022	Water	Baseline	-	-	-
306375-9	CZ5_MW24	Clyde Zone 5b	26 Sep 2022	Water	Baseline	-	-	-
306496-3	CZ5_MW25	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-
306496-4	SMW_ENV088	Clyde Zone 5b	23 Sep 2022	Water	Baseline	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

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						µg/L	µg/L	µg/L
EQL						5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								
PFAS NEMP 2020 Interim Marine 99%								
ANZECC 2000 SE Aust Triggers - Estuaries								
NEPM 2013 Table 1C GILs, Marine Waters								

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline			
304056-4	PM_MW16	Parramatta	24 Aug 2022	Water	Baseline	-	-	-
304056-5	PM_MW15	Parramatta	24 Aug 2022	Water	Baseline	-	-	-
304375-1	PM_BH01	Parramatta	29 Aug 2022	Water	Baseline	-	-	-
304375-2	PM_BH03	Parramatta	29 Aug 2022	Water	Baseline	-	-	-
304375-3	PM_BH14	Parramatta	29 Aug 2022	Water	Baseline	-	-	-
308113-1	PMS_MW17	Parramatta	14 Oct 2022	Water	Baseline	-	-	-
308113-6	PMS_MW18	Parramatta	14 Oct 2022	Water	Baseline	-	-	-
308113-7	PMS_MW57	Parramatta	14 Oct 2022	Water	Baseline	-	-	-
308296-1	PMS_MW21	Parramatta	17 Oct 2022	Water	Baseline	-	-	-
308296-2	PMS_MW20	Parramatta	17 Oct 2022	Water	Baseline	-	-	-
308297-1	PM_BH16	Parramatta	17 Oct 2022	Water	Baseline	<5	<5	<5
308297-2	PM_BH15	Parramatta	17 Oct 2022	Water	Baseline	<5	<5	<5
308297-3	PM_BH14	Parramatta	17 Oct 2022	Water	Baseline	<5	<5	<5
308534-1	PM_BH19	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5
308536-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5
308536-3	SMW_BH004_S	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5
308536-4	SMW_BH004_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5
308536-A-1	SMW_BH002_W	Parramatta	19 Oct 2022	Water	Baseline	<5	<5	<5
315085-1	SMW_BH004_s	Parramatta	23 Jan 2023	Water	Baseline	<5	<5	<5
315085-2	PM_BH15	Parramatta	23 Jan 2023	Water	Baseline	<5	<5	<5
315085-3	PM_BH14	Parramatta	23 Jan 2023	Water	Baseline	<5	<5	<5
321476-3	PM_BH14	Parramatta	20 Apr 2023	Water	Baseline	-	-	-
321476-4	PM_BH21	Parramatta	20 Apr 2023	Water	Baseline	-	-	-
321532-1	SMW_BH004_S	Parramatta	21 Apr 2023	Water	Baseline	-	-	-
321532-2	SMW_BH004_W	Parramatta	21 Apr 2023	Water	Baseline	-	-	-
295184-1	SMW_ENV801	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-
295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-
295184-3	SMW_ENV811	Rosehill / Clyde Zone 2	10 May 2022	Water	Baseline	-	-	-
300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	14 Jul 2022	Water	Baseline	<5	<5	<5
300546-3	SMW_BH010	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	<5	<5
300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	13 Jul 2022	Water	Baseline	<5	<5	<5
302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-
302000-A-1	CZ2b_MW39	Rosehill / Clyde Zone 2	01 Aug 2022	Water	Baseline	-	-	-
302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-
302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-
302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-
302160-8	MW41	Rosehill / Clyde Zone 2	02 Aug 2022	Water	Baseline	-	-	-
302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-
302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-
302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-

Epic (2022 - 2023) Groundwater Monitoring Program and Detailed Site Investigation Data

						Amino Aromatics		
						1-naphthylamine	2-naphthylamine	Diphenylamine
						µg/L	µg/L	µg/L
EQL						5	5	5
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)								
PFAS NEMP 2020 Interim Marine 99%								
ANZECC 2000 SE Aust Triggers - Estuaries								
NEPM 2013 Table 1C GILs, Marine Waters								

Sample Code	Field ID - EDITED	Location	Date	Matrix Type	Baseline	1-naphthylamine	2-naphthylamine	Diphenylamine
302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	03 Aug 2022	Water	Baseline	-	-	-
302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-
302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-
302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	05 Aug 2022	Water	Baseline	-	-	-
300822-1	SMW_ENV300_s	Westmead	19 Jul 2022	Water	Baseline	<5	<5	<5
300822-2	SMW_ENV295	Westmead	19 Jul 2022	Water	Baseline	<5	<5	<5
302829-3	SMW_ENV299	Westmead	10 Aug 2022	Water	Baseline	-	-	-
302829-4	SMW_ENV300	Westmead	10 Aug 2022	Water	Baseline	-	-	-
302829-5	SMW_ENV294	Westmead	10 Aug 2022	Water	Baseline	-	-	-
302829-6	SMW_WTP_BH31A	Westmead	10 Aug 2022	Water	Baseline	-	-	-
303815-4	WM_MW001	Westmead	23 Aug 2022	Water	Baseline	-	-	-
303815-5	WM_MW022	Westmead	23 Aug 2022	Water	Baseline	-	-	-
303815-6	WM_MW004	Westmead	23 Aug 2022	Water	Baseline	-	-	-
308061-1	MW_BH04	Westmead	13 Oct 2022	Water	Baseline	<5	<5	<5
315737-1	SMW_WTP_BH02	Westmead	03 Feb 2023	Water	Baseline	<5	<5	<5
315737-2	SMW_BH701	Westmead	03 Feb 2023	Water	Baseline	<5	<5	<5
315737-3	SMW_WTP_BH03a	Westmead	03 Feb 2023	Water	Baseline	<5	<5	<5

Comments

#1 NIL (+)VE
 #2 Reported Analyte LOR is higher than Requested Analyte LOR

Environmental Standards

ANZG, July 2023, ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)
 HEPA, January 2020, PFAS NEMP 2020 Interim Marine 99%
 DoE, 2000, ANZECC 2000 SE Aust Triggers - Estuaries
 2013, NEPM 2013 Table 1C GILs, Marine Waters

Attachment 5 – Default Guideline Values (DGVs) for Discharges to Waterways and Groundwater Quality

Pollutant Group	Pollutant	DGV for freshwater ecosystems (ANZG, 2018, ANZECC, 2000)*	Freshwater % Species Protection	DGV for marine ecosystems (ANZG, 2018, ANZECC, 2000)*	Marine Water% Species Protection
Physical and Chemical Stressors (µg/L)	pH (units)	6.5 - 8.0	-	7.0 - 8.5	-
	Turbidity (NTU)	6 - 50	-	0.5 - 10	-
	Dissolved oxygen (%)	85 - 110	-	80 - 110	-
	Electrical conductivity (µS/cm)	125 - 2,200	-	-	-
	Nitrate	2400	-	2400	-
	Ammonia (as N)	900	-	910	-
	Nitrogen (Total)	350	-	300	-
	Reactive Phosphorous (as P)	20	-	5	-
Non-Metallic Inorganic (µg/L)	Total Phosphorus (as P)	25	-	30	-
	Chlorine	3	95	3	Unknown
Trace Metals (µg/L)	Cyanide	7	95	4	95
	Hydrogen sulfide	1	95	1	Unknown
	Aluminium (pH >6.5)	55	95	24	Unknown
	Antimony	9	Unknown	270	Unknown
	Arsenic (III)	24	95	2.3	Unknown
	Arsenic (V)	13	95	4.5	Unknown
	Cadmium (B-Mw)	0.2	95	0.7	99
	Chromium (CrIII)	3.3	Unknown	27	95
	Chromium (CrVI)	1	95	4.4	95
	Cobalt	1.4	Unknown	1	95
	Copper	1.4	95	1.3	95
	Iron	300	Unknown	300	Unknown
	Lead	3.4	95	4.4	95
	Manganese	1900	95	80	Unknown
	Mercury (inorganic) (B)	0.06	99	0.1	99
	Nickel	11	95	70	95
Zinc	8	95	8	95	
Organochlorine Pesticides (µg/L)	Aldrin (B)	0.001	Unknown	0.003	Unknown
	Chlordane (B)	0.03	99	0.001	Unknown
	DDT (B)	0.006	99	0.0004	Unknown
	Dicofol (B)	0.5	Unknown	0.1	Unknown
	Dieldrin (B)	0.01	Unknown	0.01	Unknown
	Endosulfan (B)	0.03	99	0.005	99
	Endrin (B)	0.01	99	0.004	99

Pollutant Group	Pollutant	DGV for freshwater ecosystems (ANZG, 2018, ANZECC, 2000)*	Freshwater % Species Protection	DGV for marine ecosystems (ANZG, 2018, ANZECC, 2000)*	Marine Water% Species Protection
	Heptachlor (B-Fw)	0.01	99	0.0004	Unknown
	Lindane	0.2	95	0.007	Unknown
	Methoxychlor (B)	0.005	Unknown	0.004	Unknown
	Mirex (B)	0.04	Unknown	0.04	Unknown
	Toxaphene (B-Fw)	0.1	99	0.0006	Unknown
Organophosphate Pesticides (µg/L)	Azinphos methyl	0.02	95	0.01	Unknown
	Chlorpyrifos	0.01	95	0.009	95
	Diazinon	0.01	95	0.01	Unknown
	Dimethoate	0.15	95	0.15	Unknown
	Fenitrothion	0.2	95	0.001	Unknown
	Malathion	0.05	95	0.05	Unknown
	Parathion	0.004	95	0.004	Unknown
	Profenofos	0.02	Unknown	0.002	Unknown
Other Pesticides (µg/L)	Temephos	0.05	Unknown	0.05	95
	Carbofuran	1.2	95	0.06	Unknown
	Deltamethrin	0.0001	Unknown	0.0001	Unknown
	Esfenvalerate	0.001	Unknown	0.001	Unknown
	Methomyl	3.5	95	3.5	Unknown
Herbicides (µg/L)	S-Methoprene	0.2	Unknown	0.2	Unknown
	2,4,5-T	36	95	36	Unknown
	Acrolein	0.01	Unknown	0.01	Unknown
	Atrazine	13	95	13	Unknown
	Diquat	1.4	95	1.4	Unknown
	Diuron	0.2	Unknown	0.2	Unknown
	Glyphosate	320	95	320	Unknown
	MCPA	1.4	Unknown	1.4	Unknown
	Metolachlor	0.46	95	0.46	Unknown
	Metsulfuron-methyl	0.018	95	0.018	Unknown
	Molinate	3.4	95	3.4	Unknown
	Paraquat	0.5	Unknown	0.5	Unknown
	Simazine	3.2	95	3.2	Unknown
	Tebuthiuron	2.2	95	2.2	Unknown
	Thiobencarb	2.8	95	2.8	Unknown
Thiram	0.2	95	0.2	Unknown	
Trifluralin (B-Fw)	2.6	99	2.6	Unknown	
Perfluorinated Compounds (µg/L)	Perfluorooctane sulphonate (PFOS)	0.13	95%	0.13	95%
	Perfluorooctanoic acid (PFOA)	220	Unknown	220	Unknown
Phenols and Xylenols (µg/L)	2,3,4,6-Tetrachlorophenol (B-Fw)	10	99	20	Unknown

Pollutant Group	Pollutant	DGV for freshwater ecosystems (ANZG, 2018, ANZECC, 2000)*	Freshwater % Species Protection	DGV for marine ecosystems (ANZG, 2018, ANZECC, 2000)*	Marine Water% Species Protection
	2,3,5,6-Tetrachlorophenol	0.2	Unknown	0.2	Unknown
	2,3-Dichlorophenol	31	Unknown	31	Unknown
	2,4,6-Trichlorophenol (B-Fw)	3	99	3	Unknown
	2,4-Dichlorophenol	160	95	160	Unknown
	2,4-Dimethylphenol	2	Unknown	2	Unknown
	2,6-Dichlorophenol	34	Unknown	34	Unknown
	2-Chlorophenol	490	95	490	Unknown
	4-Chlorophenol	220	95	280	Unknown
	Pentachlorophenol (B)	3.6	99	11	99
	Phenol	320	95	400	95
	2,4,6-Trinitrophenol	250	Unknown	250	Unknown
	2,4-Dinitrophenol	45	95	45	Unknown
	4-Nitrophenol	58	Unknown	58	Unknown
	Chlorobenzenes and Nitrobenzenes (µg/L)	1,2,3,4-Tetrachlorobenzene (B)	2	99	2
1,2,3,5-Tetrachlorobenzene (B)		3	99	3	99
1,2,3-Trichlorobenzene (B)		3	99	10	Unknown
1,2,4,5-Tetrachloro-3-nitrobenzene		0.3	Unknown	0.3	Unknown
1,2,4,5-Tetrachlorobenzene (B)		5	99	3	99
1,2,4-Trichlorobenzene (B)		85	99	20	99
1,2-Dichlorobenzene		160	95	160	95
1,3,5-Trichlorobenzene (B)		8	99	8	99
1,3,5-Trinitrobenzene		4	Unknown	4	Unknown
1,3-Dichlorobenzene		260	95	350	Unknown
1,4-Dichlorobenzene		60	95	75	Unknown
1,3-Dinitrobenzene		13	Unknown	13	Unknown

Pollutant Group	Pollutant	DGV for freshwater ecosystems (ANZG, 2018, ANZECC, 2000)*	Freshwater % Species Protection	DGV for marine ecosystems (ANZG, 2018, ANZECC, 2000)*	Marine Water% Species Protection
	1,4-Dinitrobenzene	0.6	Unknown	0.6	Unknown
	1-Chloro-3-nitrobenzene	12	Unknown	12	Unknown
	1-Methoxy-2-nitrobenzene	130	Unknown	130	Unknown
	Hexachlorobenzene (B)	0.05	99	0.05	99
	Monochlorobenzene (B-Fw)	55	95	55	95
	Pentachlorobenzene (B)	1.5	99	1.5	99
	Nitrobenzene	550	95	550	Unknown
Nitrotoluenes and Nitroanilines	2,4,6-Trinitrotoluene	140	95	140	Unknown
	2,4-D	280	95	280	Unknown
	2,4-Dichloroaniline	7	95	7	Unknown
	2,4-Dinitrotoluene	65	95	65	Unknown
	2-Nitrotoluene	110	Unknown	110	Unknown
	3,4-Dichloroaniline	3	95	150	95
	3-Nitrotoluene	75	Unknown	75	Unknown
Polycyclic Aromatic Hydrocarbons (µg/L)	4-Nitrotoluene	120	Unknown	120	Unknown
	Anthracene (B)	0.01	99	0.01	99
	Benzo(alpha)pyrene (B)	0.1	99	0.1	99
	Fluoranthene (B)	1	99	1	99
	Naphthalene	16	95	70	95
Total Petroleum Hydrocarbons (µg/L)	Phenanthrene (B)	0.6	99	0.6	99
	TPH C10-C36 Fraction	600	Unknown	600	Unknown
Chloroethanes and Chloropropanes (µg/L)	TPH C6-C9 Fraction	150	Unknown	150	Unknown
	1,1,1-Trichloroethane	270	95	270	95
	1,1,2,2-Tetrachloroethane	400	95	400	95
	1,1,2-Trichloroethane	6500	95	1900	95
	1,2-Dichloroethane	1900	95	1900	95
	Hexachloroethane (B-Fw)	290	99	360	Unknown
	Pentachloroethane	80	95	80	95
	Carbon Tetrachloride	240	95	240	95
	Chloroform	770	95	770	95

Pollutant Group	Pollutant	DGV for freshwater ecosystems (ANZG, 2018, ANZECC, 2000)*	Freshwater % Species Protection	DGV for marine ecosystems (ANZG, 2018, ANZECC, 2000)*	Marine Water % Species Protection
	Dichloromethane	4000	95	4000	95
Chloropropanes and Chloropropenes (µg/L)	1,1-Dichloropropane	500	95	500	95
	1,2-Dichloropropane	900	95	900	95
	1,3-Dichloropropane	1100	95	1100	95
	3-Chloropropene	3	Unknown	3	Unknown
Chlorinated Alkenes	Chloroethylene	100	95	100	95
	1,1,2,2-Tetrachloroethylene	70	95	70	95
	1,1,2-Trichloroethylene	330	95	330	95
	1,1-Dichloroethylene	700	95	700	95
Anilines (µg/L)	Aniline	250	95	250	Unknown
Phthalates (µg/L)	Di(2-ethylhexyl)phthalate	1	Unknown	1	Unknown
	Dibutylphthalate (B-Fw)	10	99	10	Unknown
	Diethylphthalate	1000	95	1000	Unknown
	Dimethylphthalate	3700	95	3700	Unknown
Polychlorinated Biphenyls (PCBs) & Dioxins (µg/L)	Aroclor 1242 (B-Fw)	0.3	99	0.3	Unknown
	Aroclor 1254 (B-Fw)	0.01	99	0.01	Unknown
Aromatic Hydrocarbons (µg/L)	Benzene	950	95	700	95
	Toluene	180	95	180	95
	Ethylbenzene	80	95	80	95
	m-Xylene	75	95	75	95
	o-Xylene	350	95	350	Unknown
	Cumene (isopropylbenzene)	30	95	30	95
	p-Xylene	200	95	200	Unknown

* Default Guideline Values adopt 95% species protection, and 99% species protection for bioaccumulating toxicants.

* NIWA (2013) *Updating nitrate toxicity effects on freshwater aquatic species* is adopted for freshwater and marine water as recommended in ANZG (2018)

* (B-Mw) – Marine bioaccumulation risk; (B) – Freshwater and marine bioaccumulation risk; (B-Fw) – Freshwater bioaccumulation risk

Attachment 6 - Calculated Baseline Trigger Values

Technical Memorandum

Date:	12 June 2024
To:	Tahli Moore, Gamuda Laing O'Rourke
From:	Patrick Carroll, Epic Environmental
Client name:	Gamuda Laing O'Rourke
Project name:	Groundwater Monitoring Program – Update of Performance Criteria
Project number:	SCL220037.10

1 INTRODUCTION AND PROJECT UNDERSTANDING

Epic Environmental Ltd (Epic) has been engaged by Gamuda Laing O'Rourke Consortium (GLC) to update the Project Construction Groundwater Monitoring Program (GMP) based on a revised monitoring network and determination of groundwater quality performance criteria.

The current GMP (SMWSTWTP-GLO-1NL-EN-PRG-000002, RevB, May 2022) details the construction groundwater monitoring requirements and performance criteria to ensure environmental compliance for the scheme. Groundwater level and quality monitoring has been carried out prior to and throughout the construction stages of the project to collect information on baseline conditions and assess any potential impacts to groundwater conditions during construction, including groundwater levels, drawdown, contamination status, and salinity.

The current GMP identified a groundwater monitoring well (GMMW) network for quarterly (three-monthly) monitoring events and determined that performance criteria would be based on Default Guideline Values (DGVs) from Australian and New Zealand Environment and Conservation Council (ANZECC) (2000) / Australian and New Zealand Guidelines (ANZG) (2018) 95% and 99% species protection criteria (for bioaccumulating species), NEPM (2013) Groundwater Investigation Levels ; HEPA (2020) PFAS NEMP investigation levels *and* baseline water quality data available for the scheme.

Quarterly groundwater monitoring has been undertaken by Epic since July 2022 and exceedances against the performance criteria groundwater quality have been identified in multiple consecutive groundwater monitoring events (GMEs). Additionally, the groundwater monitoring network has changed due to construction activities at the sites.

Exceedances of 'trigger values' have been determined thus far, based on:

- Adopting trigger values based on a limited baseline monitoring dataset (i.e., the initial monitoring round of the GMMW comprises the baseline dataset)
- Comparing the latest round of concentrations to the baseline monitoring event results on a per GMMW basis (if the baseline GME concentration was greater than the DGV)

This approach has led to exceedances against the performance criteria due to the following reasons:

- The GMMW monitoring network is changing due to construction works, meaning there is an absence of 'baseline' data for newly installed GMMWs
- Results are compared to a limited baseline data set, meaning some performance criteria are not representative of existing conditions

Though exceedances of performance criteria have been identified, these exceedances have been interpreted as having limited real world significance and are considered to be inappropriate for assessing potential impacts as a result of construction activities. Therefore, it is believed that updating the GMP to derive representative

performance criteria will enable a more accurate and thorough assessment of groundwater quality throughout the project.

2 OBJECTIVE

The objective of this technical memorandum is to assess relevant baseline groundwater monitoring data and define location, and aquifer specific groundwater quality performance criteria/trigger values. The trigger values will be used to compare quarterly GME results to as documented in the Groundwater Monitoring Program (Gamuda 2024).

3 SCOPE OF WORKS

To achieve the stated objectives, the following scope of works was undertaken:

- Definition of baseline monitoring period for each respective site area (Clyde Zones 1 to 6, Westmead, Parramatta)
- Calculation of performance criteria for each site area and aquifer type (shallow or deep) based on statistical analysis of data

4 TRIGGER VALUE DETERMINATION

4.1 Background

As discussed in DES (2021), groundwater quality can be variable and the use of default guidelines or water quality objectives (WQOs) as a method of assessing groundwater quality may not always be appropriate. Similarly, more traditional statistical assessment of the monitoring data (i.e. comparing observations at reference bores with test bores) may not be suitable given this variability and typically, a lack of available data. The use of inaccurate or unrepresentative guidelines may lead to a high likelihood of false exceedances which are not representative of potential material changes in groundwater quality/potential impacts. Where default guidelines are unsuitable, the approach typically adopted is to compare the measured value/values with a value derived from site-specific or locally relevant background, reference or baseline groundwater quality monitoring.

4.2 Methodology

Baseline monitoring data will be used to calculate ‘trigger values’, thresholds which will be used to monitor potential changes and impacts to groundwater quality as detailed in the Groundwater Monitoring Program (Gamuda 2024).

The methodology for determining appropriate trigger values is broadly based on the methodology presented in Department of Environment and Science (DES) (2021) *Using monitoring data to assess groundwater quality and potential environmental impacts* in the absence of applicable NSW guidance. The process of trigger value development comprises the following:

- Definition of relevant trigger value areas and applicable data
- Statistical analysis of data to determine area specific trigger values. Area specific trigger values are to be developed on the basis population percentile values

4.3 Trigger Value Areas

As detailed in DES (2021), it is appropriate to incorporate multiple bores that represent the same aquifer in an assessment of groundwater quality, provided that it can be demonstrated that they have similar direction and rate of groundwater flow, geology, soil types and ionic composition. It is then possible to combine the data (from multiples bores) to calculate more robust descriptive statistics.

In order to develop trigger values for contaminants which align with the overarching objectives of the project and GMP, groundwater monitoring data has been grouped together according to the following:

- Location – Spatial proximity and proximity to groundwater flow boundaries (creeks)
- Project construction activities – deep excavations / surface activities
- Aquifer types - shallow and deep aquifers
- Site history and contamination profile

The rationale for each trigger value area is presented in **Table 1**.

Table 1. Trigger value areas

Area	Rationale
Clyde Zone 1 - Clyde Maintenance and Services Facility (MSF) – East	<ul style="list-style-type: none"> • Primarily affected by Clyde MSF construction works • Similar site history (mixed commercial industrial) • Groundwater contamination profile is well characterised in the south-eastern corner of this area
Clyde Zone 2/4e (Rosehill)	<ul style="list-style-type: none"> • Affected by Rosehill Box excavations • Shared site history and contamination profile (Downer EDM, RTA NSW and other commercial industrial activities) • Groundwater flow boundary presumed to exist at Duck /A’Beckett Creek
Clyde Zone 3 (Clyde Dive)	<ul style="list-style-type: none"> • Affected by Clyde Dive construction works • Similar site history
Clyde Zone 4w/5b/6	<ul style="list-style-type: none"> • Affected by Rosehill Box excavations • Shared site history and contamination profile (Downer EDM, RTA NSW and other commercial industrial activities) • Groundwater flow boundary presumed to exist at Duck /A’Beckett Creek
Clyde Zone 5a - Clyde Maintenance and Services Facility (MSF) – West	<ul style="list-style-type: none"> • Affected by Duck /A’Beckett Creek realignment and Clyde MSF construction works • Unique groundwater contamination profile (elevated zinc) associated with historical site use • Shallow aquifer likely to be partially disconnected from the Clyde MSF – East site due to the presence of Duck Creek
Westmead	Spatially separate from all other areas
Parramatta	Spatially separate from all other areas

The locations of each of the monitoring bores is presented in **Appendix A** and the details of the monitoring bores are presented in **Appendix B**.

4.4 Baseline Monitoring Period

Construction start dates for each of the monitoring zones were provided by GLC and are presented in **Table 2**. Data collected prior to the start date presented in **Table 2** is herein defined as the baseline monitoring period.

Table 2. Construction start dates

Zone	Construction start date	Construction works	Relevant data
Clyde Zone 1 (MSF east)	Jan-23	Utilities works - Excavation of bonded asbestos	<ul style="list-style-type: none"> • Golder Douglas Partners (2021); • Golder Douglas Partners (2022) • Epic (2022b) • Epic (2023c)
Clyde Zone 2 / Clyde Zone 4e (Rosehill)	Aug-22	Diaphragm wall (D-wall) excavation	<ul style="list-style-type: none"> • Golder Douglas Partners (2021) • Golder Douglas Partners (2022); • Epic (2022b)
Clyde Zone 3 (Clyde Dive)	Sep-22	Shaft excavation works	<ul style="list-style-type: none"> • Golder Douglas Partners (2021) • Epic (2022b)
Clyde Zone 4w + 5b + 6	Jun-23	Piling at Unwin Street Overbridge	<ul style="list-style-type: none"> • Golder Douglas Partners (2020) • Golder Douglas Partners (2021)

Zone	Construction start date	Construction works	Relevant data
			<ul style="list-style-type: none"> • Golder Douglas Partners (2022) • Epic (2022b) • Epic (2023c) • Epic (2023d) • Epic (2023e)
Clyde Zone 5a (MSF west)	Feb-23	Piling works at WCS	<ul style="list-style-type: none"> • Golder Douglas Partners (2021) • Golder Douglas Partners (2022) • Epic (2022b) • Epic (2023c) • Epic (2023d)
Parramatta	June 2023	D-wall excavation	<ul style="list-style-type: none"> • Golder Douglas Partners (2021) • Golder Douglas Partners (2022) • Epic (2022b) • Epic (2023c) • Epic (2023d) • Epic (2023e)
Westmead	February 2023	Station box bulk excavation	<ul style="list-style-type: none"> • Golder Douglas Partners (2021) • Golder Douglas Partners (2022) • Epic (2022b) • Epic (2023c) • Epic (2023d)

4.5 Aquifer Determination

GWMWs have been categorised into shallow and deep aquifers, based on the screened lithology. Shallow aquifer GWMWs are defined as the uppermost aquifer, in most circumstances the base of the screened well is less than 10 mbgl. Deep aquifer GWMWs are defined as GWMWs which are screened in deeper aquifer units such as shale. GWMW aquifer types have been determined to account for potential changes in natural groundwater regimes between aquifers and allow justifiable comparison between groundwater quality at different GWMWs.

The locations of selected bore are presented in **Appendix A**. Selected groundwater bores, screen intervals and screened lithology are presented in **Appendix B**.

4.6 Data Analysis

Trigger values were calculated for analytes which exceeded relevant default ANZG (2018) or ANZECC (2000) Ecosystem protection values during the baseline monitoring period for each respective area. In line with the recommendations of DES (2021), the respective data sets for each analyte were analysed after the following data transformations:

- Non-detects simple substitution – Replacement of non detect values with half of the laboratory limit of reporting (LOR)
- Removal of data set outlier values – Removal of outlier values as defined as values greater than 1.5 x interquartile range (IQR) past the 75th percentile (i.e., Outlier > 75th percentile + (1.5 X IQR))

For analytes which consistently reported less than the adopted water quality guideline, less than the laboratory LOR, or the default guideline value, no updated trigger values have been calculated. For these analytes, the ANZECC/ANZG/NEPM criteria will remain the trigger value.

Updated trigger values have been calculated as:

- The 95th percentile of the baseline dataset based on the transformed data set

- The arithmetic mean of the baseline data set where limited baseline data is present (i.e. less than three (3) baseline values)

The adjusted trigger level for pH is taken from the minimum value recorded during monitoring.

Applicable data sets and data summaries are presented in **Appendix C**

4.6.1 Applicable Analytes

Based on a statistical analysis of collected data, site specific trigger values were calculated for the following analytes (where relevant) due to baseline data being consistently greater than default guideline values or requiring calculation (pH/total dissolved solids, TDS).

- Water chemistry indicators - pH and TDS
- Heavy metals – Arsenic, cadmium, chromium (hexavalent), chromium (III+VI), cobalt, copper, lead, manganese, nickel and zinc
- Nutrients - Ammonia as N, nitrate (as N), nitrogen (total), reactive phosphorus as P and phosphorus (total)

5 UPDATED TRIGGER VALUES

Trigger values have been calculated for each of the zones described in **Table 1**, with the groundwater monitoring data used for determining trigger values shown in **Appendix C**.

5.1 Clyde Zone 1

The statistical summary for shallow and deep aquifers at Clyde Zone 1 is presented below in **Table 3**. Highlighted cells indicate the derived trigger value based on the statistical analysis. Where the derived trigger value is not the 95th percentile value, commentary is provided.

No trigger values have been formulated for the deeper aquifer at Clyde Zone 1 due to there being a limited data set. The absence of trigger values for deeper aquifer units is not considered to affect the ability to assess the site for potential construction impacts as project construction works through the area do not include significant dewatering or deep excavations (i.e. >10 mbgl).

Table 3. Clyde Zone 1 – Shallow Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	-	84	84	0	8	6.11	3.29	7.53
TDS	mg/L	-	88	88	0	48900	15344	916	37300
Ammonia as N	mg/L	0.91	88	88	0	16	0.595	0.009	1.9
Nitrogen (Total)	mg/L	0.3	88	77	11	22	0.888	0.1	2.32
Phosphorus	mg/L	0.03	88	26	62	1.68	0.071	<0.01	0.2
Arsenic	µg/L	2.3	88	47	41	74	2.835	<1	5.95
Cobalt	mg/L	0.001	44	39	5	1	0.093	0.001	0.517
Copper	µg/L	1.3	88	47	41	680	2.3	<1	8
Lead	µg/L	4.4	88	20	68	172	1.53	<1	6
Manganese	mg/L	0.2	90	90	0	44.5	0.49	0.003	1.201
Nickel	µg/L	7	88	84	4	1120	18.3	<1	54
Zinc	µg/L	8	88	81	7	5290	47.2	<1	154

n = number of sample observations

n D = number of sample observations greater than the LOR (detects, D)

n ND = number of sample observations reported less than the LOR (non-detects, ND)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

5.2 Clyde Zone 2 (Rosehill)

The statistical summary for shallow and deep aquifers at Clyde Zone 2 (Rosehill) is presented below in **Table 4** and **Table 5** respectively. Highlighted cells indicate the derived trigger value based on the statistical analysis. Where the derived trigger value is not the 95th percentile value, commentary is provided.

Table 4. Clyde Zone 2 – Shallow Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-		26	26	0	7.8	6.4	4.9	7.2
TDS	mg/L	-	27	27	0	25400	15379	343	23970
Ammonia as N	mg/L	0.91	27	27	0	4.9	4.9	0.018	1.325
Nitrogen (Total)	mg/L	0.3	27	23	4	9.8	9.8	0.3	2.1
Phosphorus	mg/L	0.03	27	11	16	6.7	6.7	0.01	0.8
Arsenic	µg/L	2.3	27	8	19	5	5	1	5
Cobalt	mg/L	0.001	14	14	0	0.062	0.032	0.002	0.058
Copper	µg/L	1.3	27	15	12	290	290	1	4
Manganese	mg/L	0.08	27	27	0	1.1	1.1	0.013	0.768
Nickel	µg/L	7	27	25	2	43	43	1	30
Zinc	µg/L	8	27	27	0	818	818	5	88

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)

n ND = number of sample observations reported less than the LOR (non-detects)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

Table 5. Clyde Zone 2 – Deeper Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	7-8.5	7	7	0	7.8	6.9	6.3	7.70
TDS	mg/L		5	5	0	23000	18633	12300	22725
Ammonia as N	mg/L	0.91	6	6	0	7.100	3.123	0.980	6.668
Nitrogen (Total)	mg/L	0.3	5	5	0	8.2	3.8	1.3	7.7
Phosphorus		0.03	6	3	3	2.09	0.75	0.06	0.10
Arsenic	µg/L	2.3	6	5	1	7	3	1	3
Cobalt	mg/L	0.001	5	5	0	0.031	0.008	0.001	0.0037
Copper	µg/L	1.3	5	2	3	860	288	1	2
Manganese	mg/L	0.08	5	5	0	1.000	0.494	0.112	0.915
Nickel	µg/L	7	5	5	0	9	5	1	9
Zinc	µg/L	8	5	4	1	697	154	7	35.6

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)

n ND = number of sample observations reported less than the LOR (non-detects)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

Groundwater Bore SMW_ENV283 (situated in the north eastern corner of Clyde 4, 5b and 6) has been included in the deeper aquifer summary for the Clyde Zone 2 due to its close proximity to the area and to account for Clyde Zone 4, 5b and 6 not having site specific trigger values developed for the deeper aquifer due to a lack of baseline data.

Regarding the derivation of baseline values from the deeper aquifer at Clyde Zone 2 (Rosehill), it is recognised that a limited data set is available for determination of percentile values and that large outliers exist for copper and zinc. The arithmetic mean value of for the respective datasets (following outlier removal) has been adopted as a more robust statistical summary.

5.3 Clyde Zone 3 / Clyde Dive

The statistical summary for shallow and deep aquifers at Clyde Zone 3 (Clyde Dive) is presented below in **Table 6** and **Table 7** respectively. . Highlighted cells indicate the derived trigger value based on the statistical analysis. Where the derived trigger value is not the 95th percentile value, commentary is provided.

Table 6. Clyde Zone 3 / Clyde Dive – Shallow Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	7-8.5	14	14	0	7.6	6.7	5.4	7.6
TDS	mg/L		19	19	0	25800	6608	350	24180
Ammonia as N	mg/L	0.91	19	18	1	16	1.452	0.005	5.91
Nitrogen (Total)	mg/L	0.3	17	16	1	22	4.331	0.2	7.055
Phosphorus	mg/L	0.03	17	13	4	0.64	0.06	0.01	0.13
Arsenic	µg/L		19	9	10	49	2	1	6
Cobalt	mg/L	0.001	10	9	1	0.07	0.009	0.001	0.022
Copper	µg/L	1.3	19	8	11	4	1	1	3
Manganese	mg/L	0.02	15	15	0	1.6	0.875	0.143	1.502
Zinc	µg/L	8	19	12	7	278	66	1	25

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)

n ND = number of sample observations reported less than the LOR (non-detects)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

Table 7. Clyde Zone 3 / Clyde Dive – Deep Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %
pH (Lab)	-	7-8.5	2	2	0	7.3	6.5	5.8	7.2
TDS	mg/L		3	3	0	6490	5363	4200	6381
Ammonia as N	mg/L	0.91	3	3	0	2.3	1.677	0.430	2.300
Nitrogen (Total)	mg/L	0.3	3	3	0	2.4	2.066	1.4	2.4
Phosphorus	mg/L	0.03	3	3	0	0.07	0.05	0.03	0.07
Arsenic	µg/L	2.3	3	3	0	17	7	1	16
Copper	µg/L	1.3	3	3	0	260	87	1	234
Manganese	mg/L	0.08	3	3	0	0.658	0.496	0.190	0.656
Nickel	µg/L	7	3	3	0	200	73	2	182
Zinc	µg/L	8	3	3	0	790	266	3	711

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)

n ND = number of sample observations reported less than the LOR (non-detects)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

A limited data set is available for determination of percentile values for Clyde Zone 3 / Clyde Dive – Deep Aquifer, however, of the available monitoring data, it can be seen that concentrations of analytes are greater than the respective site assessment criteria and some adjustment is justified. In this instance, the arithmetic mean is utilised as a more conservative approach, this has been applied to all the analytes listed in **Table 7** with the exception of pH.

5.4 Clyde Zone 4w, 5b and 6

The statistical summary for the shallow aquifers at Clyde Zone 4w, 5b is presented below in **Table 8**. Highlighted cells indicate the derived trigger value based on the statistical analysis. Where the derived trigger value is not the 95th percentile value, commentary is provided.

No trigger values have been formulated for the deeper aquifers at Clyde Zone 4, 5b and 6 due to there being a limited data set. The absence of trigger values for deeper aquifer units is not considered to affect the ability to assess the site for potential construction impacts as project construction works throughout the area do not include significant dewatering or deep excavations (i.e. >10 mbgl).

Table 8. Clyde Zone 4, 5b and 6 – Shallow Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	-	45	45	0	8.5	6.36	4.57	7.23
TDS	mg/L	-	48	48	0	24000	6427	580	18430
Ammonia as N	mg/L	0.91	48	47	1	22	1.55	0.013	7.27
Nitrogen (Total)	mg/L	0.3	46	45	1	22	3.296	0.1	12.85
Reactive Phosphorus as P	mg/L	0.005	48	9	39	0.096	0.0057	0.0025	0.014
Phosphorus	mg/L	0.03	48	24	24	1.9	0.049	0.01	0.1
Arsenic	µg/L	2.3	48	27	21	83	2.08	0.5	7.1
Cobalt	mg/L	0.001	15	13	2	0.09	0.023	0.0005	0.0735
Copper	µg/L	1.3	48	19	29	10	1.01	0.5	3
Manganese	mg/L	0.08	32	32	0	1.44	0.54	0.033	1.4
Nickel	µg/L	7	48	39	9	34	5	0.5	14.85
Zinc	µg/L	8	48	44	4	140	25	0.5	58.8

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)

n ND = number of sample observations reported less than the LOR (non-detects)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

5.5 Clyde Zone 5a (MSF West)

The statistical summary for the shallow aquifers at Clyde Zone 5a is presented below in **Table 9**. Highlighted cells indicate the derived trigger value based on the statistical analysis. Where the derived trigger value is not the 95th percentile value, commentary is provided.

No trigger values have been formulated for the deeper aquifers at Clyde Zone 5a due to there being a limited data set. The absence of trigger values for deeper aquifer units is not considered to affect the ability to assess the site for potential construction impacts as project construction works through the area do not include significant dewatering or deep excavations (i.e. >10 mbgl).

Table 9. Clyde Zone 5 – Shallow Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-		32	32	0	10.7	6.7	5.5	8.0
TDS	mg/L		33	33	0	26100	8252	340	22640
Ammonia as N	mg/L	0.91	33	33	0	18	1.11	0.021	3.475
Nitrogen (Total)	mg/L	0.3	33	31	2	25	2.03	0.1	6.14
Phosphorus	mg/L	0.03	33	15	18	1.31	0.06	0.01	0.158
Arsenic	µg/L	2.3	33	23	10	19	3.2	0.5	8.2
Cobalt	mg/L	0.001	12	10	2	0.283	0.01	0.0005	0.025
Copper	µg/L	1.3	33	15	18	9	2.3	0.5	7.8
Manganese	mg/L	0.08	28	28	0	4.9	0.488	0.009	1.39
Nickel	µg/L	7	33	30	3	82	8.4	0.5	20
Zinc	µg/L	8	33	30	3	37900	30.1	2	85

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)
 n ND = number of sample observations reported less than the LOR (non-detects)
 SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

5.6 Parramatta

The statistical summary for shallow and deep aquifers at Parramatta is presented below in **Table 10** and **Table 11** respectively. Highlighted cells indicate the derived trigger value based on the statistical analysis.

Table 10. Parramatta – Shallow Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	-	23	23	0	8.1	6.52	5.7	7.649
TDS	mg/L	-	22	22	0	1100	377	150	469.5
Nitrate (as N)	mg/L	2.4	23	22	1	27.695	3.04	0.01	8.86
Nitrogen	mg/L	0.5	23	23	0	29	3.79	0.1	11
Cobalt	mg/L	0.0028	9	6	3	0.013	0.003	0.0005	0.010
Copper	µg/L	1.4	18	18	0	2	1	0.5	2
Zinc	µg/L	8	23	22	1	49	12	0.5	30

n = number of sample observations
 n D = number of sample observations greater than the LOR (detects)
 n ND = number of sample observations reported less than the LOR (non-detects)
 SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

Table 11. Parramatta – Deep Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	-	5	5	0	7.83	7.12	6.6	7.798
TDS	mg/L	-	4	4	0	2180	579.25	30	1864.4
Nitrogen (Total)	mg/L	0.5	5	5	0	0.7	0.42	0.2	0.68
Phosphorus	mg/L	0.05	5	4	1	0.09	0.057	0.025	0.088
Cobalt	mg/L	0.0028	4	1	3	0.025	0.006	0.0005	0.021
Copper	µg/L	1.4	5	4	1	12	4.9	0.5	11.4
Zinc	µg/L	8	5	4	1	31	17.1	2.5	30.8

n = number of sample observations
 n D = number of sample observations greater than the LOR (detects)
 n ND = number of sample observations reported less than the LOR (non-detects)
 SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

Regarding the derivation of baseline values from the deeper aquifer at Parramatta, it is recognised that a limited data set is available for determination of percentile values, however, of the available monitoring data, it can be seen that concentrations of analytes is greater than the respective site assessment criteria and some adjustment is justified. In this instance, the arithmetic mean is utilised as a more conservative approach, this is applicable to:

- Nitrogen (Total)
- Phosphorus
- Cobalt
- Copper
- Zinc

5.7 Westmead

The statistical summary for shallow and deep aquifers at Westmead is presented below in **Table 12** and **Table 13** respectively. Highlighted cells indicate the derived trigger value based on the statistical analysis. Where the derived trigger value is not the 95th percentile value, commentary is provided.

Table 12. Westmead – Shallow Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	-	11	11	0	7.6	6.3	5.1	7.55
TDS	mg/L	-	13	13	0	6000	2023.6	370	5640
Nitrogen (Total Oxidised)	mg/L	0.04	7	7	0	0.64	0.226	0.005	0.538
Nitrogen (Total)	mg/L	0.5	8	8	0	1.1	0.825	0.5	1.065
Reactive Phosphorus	mg/L	0.02	9	5	4	0.27	0.0672	0.0025	0.02
Phosphorus	mg/L	0.05	8	5	3	0.6	0.224	0.025	0.217
Cadmium	µg/L	0.2	12	6	6	0.5	0.21	0.05	0.2
Copper	µg/L	1.4	12	11	1	14	5.818	0.5	11
Manganese	mg/L	1.9	12	12	0	4.9	1.111	0.008	2.55
Nickel	µg/L	11	12	12	0	130	26.08	2	53
Zinc	µg/L	8	12	12	0	540	96.75	10	44

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)

n ND = number of sample observations reported less than the LOR (non-detects)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

Table 13. Westmead – Deeper Aquifer – Statistical Summary

Analyte	Unit	SAC	n	n D	n ND	Max	Mean	Min	95th %ile
pH (Lab)	-	-	5	5	0	9.5	7.81	6.9	9.14
TDS	mg/L	-	5	5	0	12900	2803.8	49	10422
Ammonia as N	mg/L	0.9	5	4	1	3.38	1.686	0.0025	3.21
Nitrogen (Total Oxidised)	mg/L	0.04	5	4	1	0.4	0.127	0.005	0.055
Nitrogen (Total)	mg/L	0.5	5	5	0	3.3	1.52	0.2	3.14
Phosphorus	mg/L	0.05	5	4	1	0.2	0.125	0.01	0.192
Copper	µg/L	1.4	5	3	2	70	31	0.5	17
Zinc	µg/L	8	5	4	1	108	60	2.5	107

n = number of sample observations

n D = number of sample observations greater than the LOR (detects)

n ND = number of sample observations reported less than the LOR (non-detects)

SAC = site assessment criteria (ANZG 2018, ANZECC 2000, NEPM 2013). Lowest value presented where multiple criteria exist

Regarding the derivation of baseline values from the deeper aquifer at Westmead, it is recognised that a limited data set is available for determination of percentile values, however, of the available monitoring data, it can be seen that concentrations of analytes is greater than the respective site assessment criteria and some adjustment is justified. In this instance, the arithmetic mean is utilised as a more conservative approach, this is applicable to:

- Phosphorous (total)
- Copper
- Zinc

5.8 Trigger Value Summary

Based on the statistical analysis undertaken updated trigger values are presented in **Table 14 (marine ecosystems)** and **Table 15 (freshwater ecosystems)** below.

Table 14. Site Specific Trigger Values – Marine Ecosystems

Analyte	Unit	Default Criteria	Clyde Zone 1	Rosehill (Clyde Zone 2/4e)		Clyde Zone 3		Clyde Zone 4w + 5b + 6	Clyde Zone 5a
				Shallow	Deep	Shallow	Deep		
Aquifer									
			Shallow	Shallow	Deep	Shallow	Deep	Shallow	Shallow
pH	pH units	-	3.29	4.9	6.3	5.4	5.8	4.57	5.5
TDS	mg/L	-	37300	23970	18633	24180	5363	18430	22640
Ammonia	mg/L	0.91	1.9	1.32	3.12	5.91	1.677	7.27	3.475
Nitrogen (total)	mg/L	0.3	2.32	2.1	3.8	7.05	2.06	12.85	6.14
Reactive Phosphorus as P	mg/L	0.005	-	-	-	-	0.03	0.014	-
Phosphorus	mg/L	0.03	0.2	0.8	0.75	0.13	0.05	0.1	0.15
Arsenic	µg/L	2.3	5.95	5	3	6	7	7	8
Cadmium	µg/L	0.7	-	-	-	1	-	-	-
Chromium (III+VI)	µg/L	4.4	5	-	-	-	5	7.2	-
Cobalt	mg/L	0.001	0.517	0.058	0.008	0.022	-	0.073	0.025
Copper	µg/L	1.3	8	4	288	3	87	3	8
Lead	µg/L	4.4	6	-	-	-	-	-	-
Manganese	mg/L	0.08 ¹	1.201	0.768	0.49	1.502	0.496	1.4	1.4
Nickel	µg/L	7	54	30	5	-	73	15	20
Zinc	µg/L	8	154	88	154	25	266	59	85

1. Low reliability marine DGV of 0.08 mg/L, however, the freshwater 95% high reliability figure of 1.9 mg/L is also considered appropriate for assessment in the absence of a reliable marine DGV

Table 15. Site Specific Trigger Values – Freshwater Ecosystem

Analyte	Units	Default Criteria	Parramatta		Westmead	
			Aquifer			
			Shallow	Deep	Shallow	Deep
TDS	mg/L	-	469	1864	5640	10422
Ammonia	mg/L	0.9	-	-	-	3.21
Nitrogen Total Oxidised	mg/L	0.04	-	-	0.538	0.055
Nitrate as N	mg/L	2.4	8.86	-	-	-
Nitrogen (total)	mg/L	0.5	11	0.42	1.065	3.14
Phosphorus	mg/L	0.05	-	0.057	0.217	0.192
Cobalt	mg/L	0.0028	0.010	0.006	-	-
Copper	µg/L	1.4	2	5	11	17
Manganese	mg/L	1.9	-	-	2.55	-
Nickel	µg/L	11	-	-	53	-
Zinc	µg/L	8	30	17	44	107

As previously stated, where no specific trigger value is stated, adoption of the NEPM (2013) GIL/ANZG (2018)/ANZECC (2000) default guideline value is to be defaulted to.

6 CONCLUSION

Updated trigger values were calculated for both freshwater and marine ecosystems and are considered to be more representative of site conditions as a whole, accounting for variability throughout the site area. It is recommended that the updated trigger values be enshrined in the WTP GMP and used for assessing potential impacts associated with construction activities.

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Epic (2022d) *Clyde Zone 1 - Detailed Site Investigation*, SC210108.01, Rev0, 16 December 2022

Epic (2023a) *Parramatta Station - Detailed Site Investigation*, SC210108.01, RevB, 20 Jan 2023

Epic (2023b) *Clyde Zone 5 - Detailed Site Investigation*, SC210108.01, Rev0, 6 February 2023

Epic (2023c) *Factual Groundwater Monitoring Report – October 2022*, SC210108.03, 27 February 2023

Epic (2023d) *Factual Groundwater Monitoring Report – January 2023*, SC210108.03, 15 June 2023

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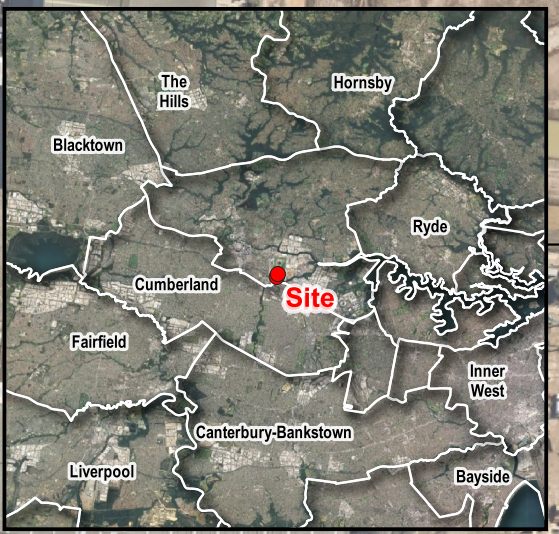
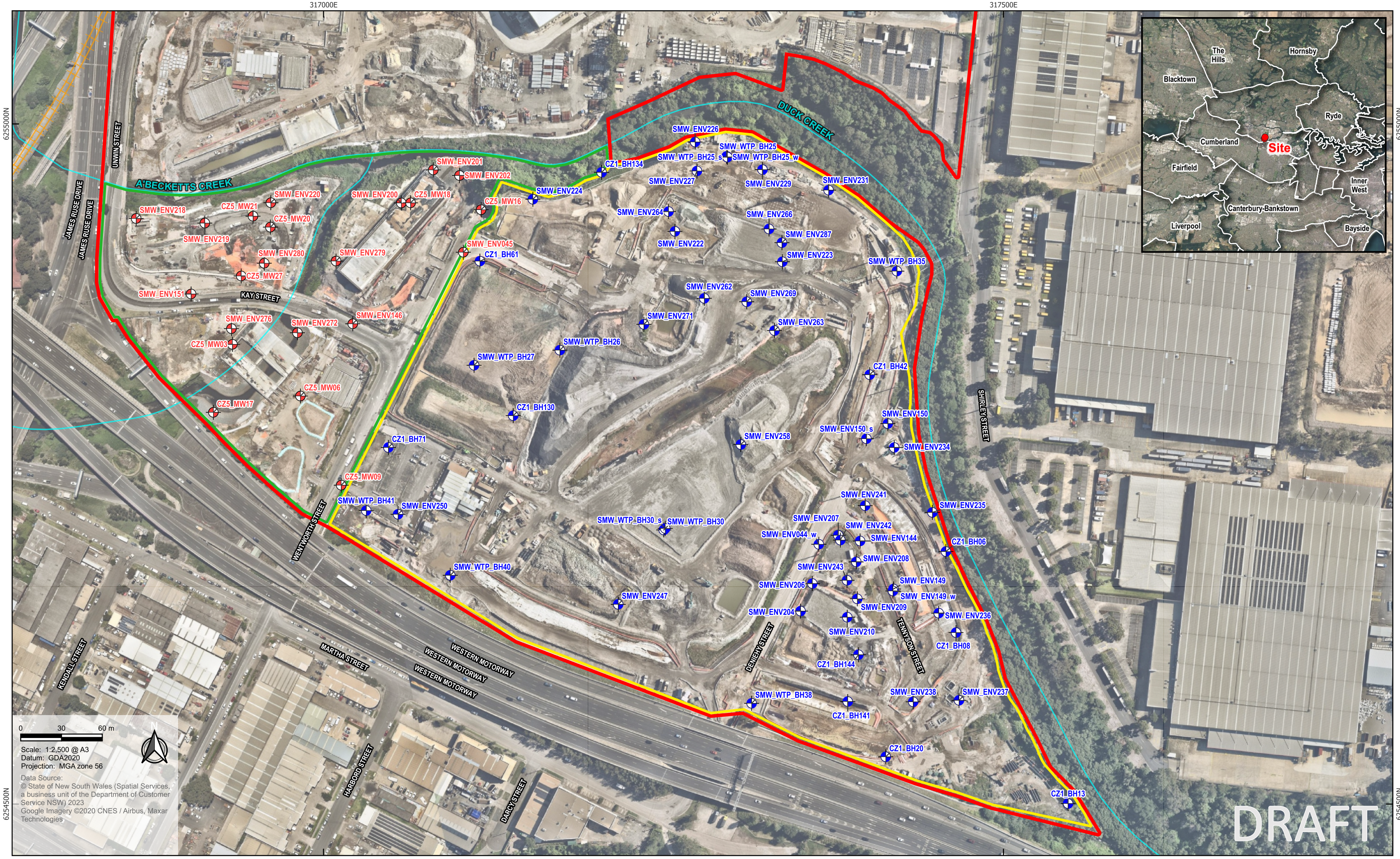
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APPENDIX A FIGURES



Legend

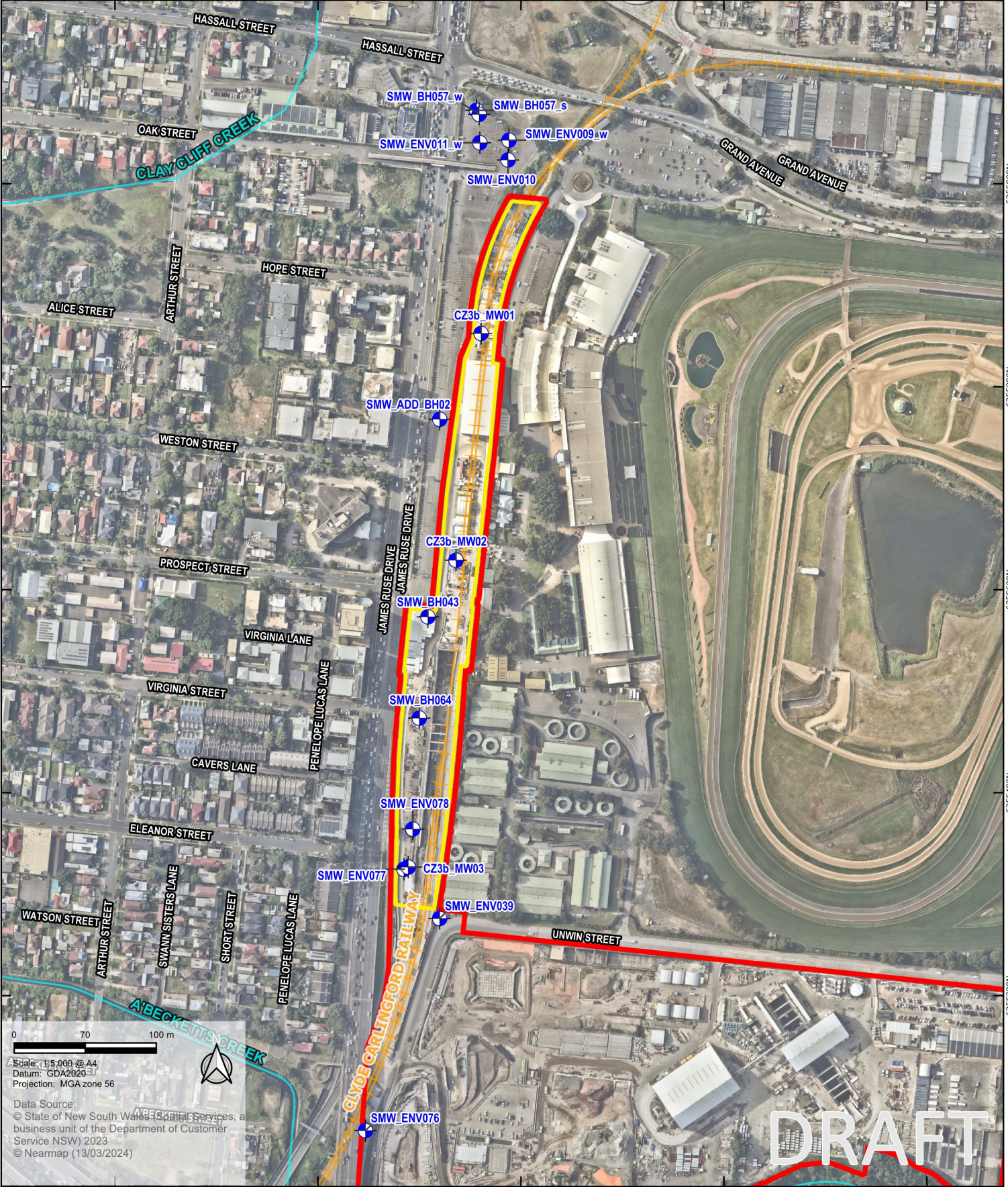
Clyde boundary	Watercourse
Clyde Zone 1 boundary	Groundwater monitoring well - Clyde Zone 1
Clyde Zone 5a boundary	Groundwater monitoring well - Clyde Zone 5a
Railway	



**Gamuda Laing O'Rourke
Sydney Metro West Western Tunnelling Package
Trigger Value - Update of Performance Criteria**

Figure F1
Clyde Zone 1 and Clyde Zone 5a

316600E 316800E 317000E 317200E 317400E



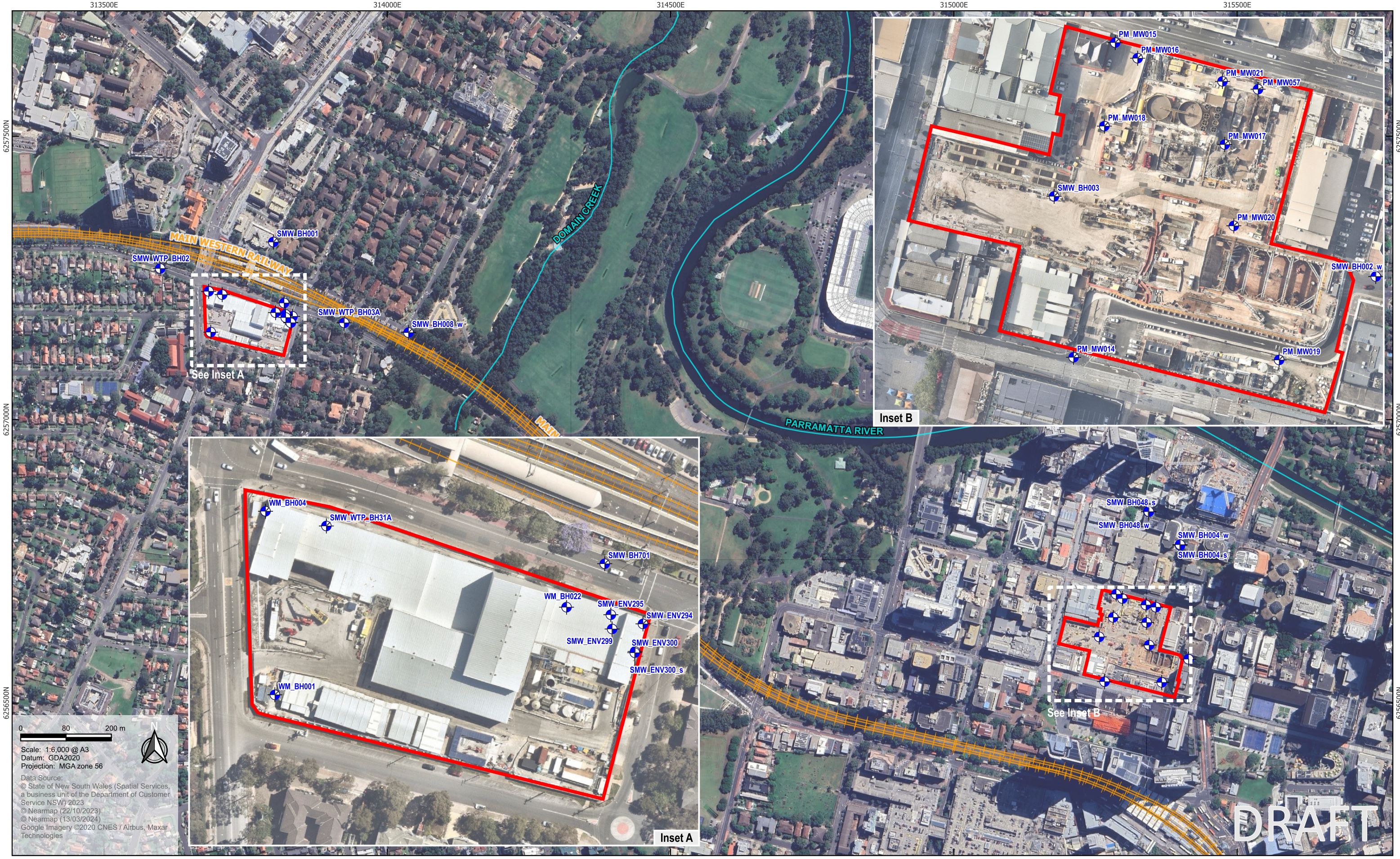
Filepath: ~\SC2021\SC210708.01 Gamuda SMW WTP Enviro Support\Workspaces\SC220037.10 GWM\PI1 - Trigger Value - Update of Performance Criteria\Figure F3 Clyde Zone 3.qgz

Scale: 1:5,000 @ A4
Datum: GDA2020
Projection: MGA zone 56
Data Source:
© State of New South Wales Geomatics Services, a business unit of the Department of Customer Service NSW 2023
© Nearmap (13/03/2024)

- Legend**
- Clyde boundary
 - Clyde Zone 3 boundary
 - Watercourse
 - Groundwater monitoring well

**Gamuda Laing O'Rourke
Sydney Metro West Western Tunnelling Package
Trigger Value - Update of Performance Criteria**

Figure F3
Clyde Zone 3



- Legend**
- Westmead and Parramatta boundary
 - + Railway
 - Watercourse
 - ⊕ Groundwater monitoring well



**Gamuda Laing O'Rourke
Sydney Metro West Western Tunnelling Package
Trigger Value - Update of Performance Criteria**

Figure F4
Westmead and Parramatta

APPENDIX B BASELINE GROUNDWATER MONITORING BORES

Bore ID	Zone	Deep/shallow	Screen interval	Aquifer type
SMW_ENV150	Clyde Zone 1	Shallow	3.0 – 6.0	Clay
SMW_ENV150_s	Clyde Zone 1	Shallow	0.40-1.0	Clay
SMW_ENV150S	Clyde Zone 1	Shallow	0.40-1.0	Clay
SMW_ENV258	Clyde Zone 1	Shallow	0.80-3.80	Fill, Clay
SMW_ENV224	Clyde Zone 1	Shallow	0.80-4.50	Clay
SMW_ENV229	Clyde Zone 1	Shallow	1.0-4.0	Clay
SMW_ENV266	Clyde Zone 1	Shallow	1.0-4.0	Clay
SMW_ENV234	Clyde Zone 1	Shallow	1.10-5.59	Clay
SMW_ENV242	Clyde Zone 1	Shallow	1.20-6.0	Clay
SMW_ENV206	Clyde Zone 1	Shallow	1.2-6.0	Clay
SMW_ENV207	Clyde Zone 1	Shallow	1.2-6.0	Clay
SMW_ENV208	Clyde Zone 1	Shallow	1.2-6.0	Clay
SMW_ENV209	Clyde Zone 1	Shallow	1.2-6.0	Clay
SMW_ENV210	Clyde Zone 1	Shallow	1.2-6.0	Clay
SMW_ENV243	Clyde Zone 1	Shallow	1.2-6.0	Clay
SMW_ENV262	Clyde Zone 1	Shallow	1.3-5.80	Clay
CZ1_BH130_MW	Clyde Zone 1	Shallow	1.5 – 4.5	Gravelly clay
SMW_ENV263	Clyde Zone 1	Shallow	1.50-4.50	Clay
SMW_ENV269	Clyde Zone 1	Shallow	1.50-4.50	Clay
SMW_ENV231	Clyde Zone 1	Shallow	1.50-6.0	Sand
SMW_ENV250	Clyde Zone 1	Shallow	1.5-7.5	Clay
CZ1_BH42_MW	Clyde Zone 1	Shallow	12 – 15	Gravelly silty clay
CZ1_BH06	Clyde Zone 1	Shallow	2 – 2.5	Clay
CZ1C_BH71_MW	Clyde Zone 1	Shallow	2 – 5	Silty clay
SMW_WTP_BH27	Clyde Zone 1	Shallow	2.0-5.0	Clay
SMW_WTP_BH38	Clyde Zone 1	Shallow	2.0-6.99	Clay
SMW_ENV235	Clyde Zone 1	Shallow	2.0-7.0	Clay
SMW_WTP_BH40	Clyde Zone 1	Shallow	2.0-8.0	Clay
CZ1_BH08	Clyde Zone 1	Shallow	2.2 – 4.2	Clay
SMW_ENV222	Clyde Zone 1	Shallow	2.3 - 5.3	Clay
CZ1_BH61_MW	Clyde Zone 1	Shallow	2.5 – 5.5	Silty clay
SMW_WTP_BH30s	Clyde Zone 1	Shallow	2.50-5.40	Clay
SMW_ENV223	Clyde Zone 1	Shallow	2.50-5.50	Clay
SMW_WTP_BH030_S	Clyde Zone 1	Shallow	2.5-5.4	Clay
SMW_ENV236	Clyde Zone 1	Shallow	2.60-7.70	Clay
SMW_WTP_BH35	Clyde Zone 1	Shallow	2.7-6.6	Clay
SMW_ENV238	Clyde Zone 1	Shallow	3.0-5.99	Clay
SMW_ENV150_w	Clyde Zone 1	Shallow	3.0-6.0	Clay
SMW_ENV264	Clyde Zone 1	Shallow	3.0-6.0	Clay
SMW_ENV271	Clyde Zone 1	Shallow	3.0-6.0	Clay, Sand
SMW_WTP_BH41	Clyde Zone 1	Shallow	3.0-8.90	Clay
SMW_ENV148_W	Clyde Zone 1	Shallow	3.1 - 6.1	Clay
SMW_ENV237	Clyde Zone 1	Shallow	3.40-8.40	Clay
CZ1_BH144	Clyde Zone 1	Shallow	4 to 7	Clay and gravel
SMW_WTP_BH26	Clyde Zone 1	Shallow	4.0-10.0	Clay, Siltstone

Bore ID	Zone	Deep/shallow	Screen interval	Aquifer type
SMW_ENV227	Clyde Zone 1	Shallow	4.0-10.00	Clay
SMW_ENV241	Clyde Zone 1	Shallow	4.0-7.0	Clay
SMW_ENV204	Clyde Zone 1	Shallow	4.50-7-49	Clay
CZ1_BH20_MW	Clyde Zone 1	Shallow	5 – 8	Clay
CZ1_BH141	Clyde Zone 1	Shallow	5 to 8	Clay
SMW_ENV247	Clyde Zone 1	Shallow	5.0-11.0	Clay
SMW_ENV226	Clyde Zone 1	Shallow	5.70-8.60	Silt, Clay
SMW_ENV149	Clyde Zone 1	Shallow	6.0-9.0	Clay
SMW_ENV149_w	Clyde Zone 1	Shallow	6.0-9.0	Clay
SMW_WTP_BH030	Clyde Zone 1	Shallow	6.0-9.0	Clay, Siltstone
SMW_WTP_BH30	Clyde Zone 1	Shallow	6.0-9.0	Clay, Siltstone
CZ1_BH134	Clyde Zone 1	Shallow	6.5 – 9.5	Clay
SMW_ENV044_w	Clyde Zone 1	Shallow	6.8 - 12.8	Clay
CZ1_BH13	Clyde Zone 1	Shallow	7 to 10	Shale
SMW_WTP_BH25	Clyde Zone 1	Shallow	7.2-10.5	Clay, Siltstone
SMW_ENV144	Clyde Zone 1	Shallow	9.50-12.50	Clay
SMW_ENV811	Clyde Zone 2 / Rosehill	Shallow	1.0-6.0	Clay
SMW_ENV806	Clyde Zone 2 / Rosehill	Shallow	1.20-7.20	Clay
SMW_WTP_BH13	Clyde Zone 2 / Rosehill	Shallow	1.3-7.3	Clay
SMW_WTP_BH13_w	Clyde Zone 2 / Rosehill	Shallow	1.3-7.3	Clay
SMW_ENV145	Clyde Zone 2 / Rosehill	Deep	11.0-14.0	Clay
SMW_WTP_BH15	Clyde Zone 2 / Rosehill	Deep	13.0 - 15.95	Clay
CZ2b_MW53	Clyde Zone 2 / Rosehill	Shallow	2.0 - 5.0	Gravelly clay/clay
SMW_WTP_BH14	Clyde Zone 2 / Rosehill	Shallow	2.0 - 8.0	Clay
SMW_ENV814	Clyde Zone 2 / Rosehill	Shallow	2.0-10.0	Clay
SMW_ENV808	Clyde Zone 2 / Rosehill	Shallow	2.0-8.0	Clay
SMW_ENV809	Clyde Zone 2 / Rosehill	Shallow	2.0-8.0	Clay
SMW_ENV813	Clyde Zone 2 / Rosehill	Shallow	2.0-8.0	Clay
SMW_ENV812	Clyde Zone 2 / Rosehill	Shallow	2.0-9.0	Clay
CZ2b_MW32	Clyde Zone 2 / Rosehill	Shallow	2.6 – 5.6	Clay
SMW_BH010	Clyde Zone 2 / Rosehill	Deep	23-5 - 26.5	Siltstone, Sandstone
SMW_ENV801	Clyde Zone 2 / Rosehill	Shallow	3-7.4	Clay
SMW_ENV801S	Clyde Zone 2 / Rosehill	Shallow	3-7.4	Clay
CZ2b_MW42	Clyde Zone 2 / Rosehill	Shallow	5.0 – 9.0	Clay/gravelly clay
CZ2b_MW18	Clyde Zone 2 / Rosehill	Shallow	6.0 - 9.0	Clay
CZ2b_MW25	Clyde Zone 2 / Rosehill	Shallow	6.0 - 9.0	Clay
CZ2b_MW04	Clyde Zone 2 / Rosehill	Shallow	7.0 - 10.0	Clay
CZ2b_MW20	Clyde Zone 2 / Rosehill	Shallow	7.0 - 10.0	Clay
CZ2b_MW52	Clyde Zone 2 / Rosehill	Shallow	7.0 - 10.0	Clay
CZ2b_MW33	Clyde Zone 2 / Rosehill	Shallow	7.0- - 10.0	Clay
SMW_ENV042	Clyde Zone 2 / Rosehill	Shallow	7.4 - 10.4	Clay
CZ2b_MW41	Clyde Zone 2 / Rosehill	Shallow	7.5 - 10.0	Clay
CZ2b_MW39	Clyde Zone 2 / Rosehill	Shallow	8.5 - 11.5	Clay
SMW_BH057_S	Clyde Zone 3 / Dive	Shallow	1.5-5.3	Sand
CZ3b_MW02	Clyde Zone 3 / Dive	Shallow	2.5 - 5.5	Clay
SMW_ENV009_W	Clyde Zone 3 / Dive	Shallow	2.7-7.3	Clayey sand

Bore ID	Zone	Deep/shallow	Screen interval	Aquifer type
SMW_BH057	Clyde Zone 3 / Dive	Deep	23.3-26.3	Siltstone, Sandstone
SMW_BH057_w	Clyde Zone 3 / Dive	Deep	23.3-26.3	Siltstone, Sandstone
SMW_ENV011_w	Clyde Zone 3 / Dive	Shallow	3.0 - 7.0	Clayey sand
SMW_WTP_BH25_s	Clyde Zone 3 / Dive	Shallow	3.0-6.0	Clay
SMW_ENV010	Clyde Zone 3 / Dive	Shallow	3.2-6.6	Sandy clay
CZ3b_MW01	Clyde Zone 3 / Dive	Shallow	3.5 - 6.55	Clay
SMW_BH064	Clyde Zone 3 / Dive	Shallow	5.9-8.9	Siltstone, Sandstone
SMW_ENV076	Clyde Zone 3 / Dive	Shallow	6.0 - 10.0	Clay
SMW_ENV077	Clyde Zone 3 / Dive	Shallow	6.0-9.0	Clay
SMW_BH043	Clyde Zone 3 / Dive	Shallow	6.5-12.5	Sandstone
CZ3b_MW03	Clyde Zone 3 / Dive	Shallow	7.0 - 10.0	Clay
SMW_WTP_BH25_w	Clyde Zone 3 / Dive	Shallow	7.2-10.5	Clay
SMW_ENV039	Clyde Zone 3 / Dive	Shallow	7.3-10.3	Clay
SMW_ENV039_w	Clyde Zone 3 / Dive	Shallow	7.3-10.3	Clay
SMW_ENV078	Clyde Zone 3 / Dive	Shallow	8.5-14.5	Clay
CZ6_MW07	Clyde Zone 4w/6	Shallow	1.0 – 4.0	
SMW_ENV282	Clyde Zone 4w/6	Shallow	1.50-6.0	Clay
SMW_ENV293	Clyde Zone 4w/6	Shallow	1.7-6.0	Clay
SMW_ENV283	Clyde Zone 4w/6	Shallow	19.0-25.0	Siltstone
CZ6_MW02	Clyde Zone 4w/6	Shallow	2.0 – 6.0	
CZ6_MW03	Clyde Zone 4w/6	Shallow	2.0 -5.0	
CZ4_MW07	Clyde Zone 4w/6	Shallow	2.0-4.0	Clay
SMW_ENV283_s	Clyde Zone 4w/6	Shallow	2.0-5.0	Clay
SMW_ENV083	Clyde Zone 4w/6	Shallow	2.0-6.0	Clay
SMW_ENV284	Clyde Zone 4w/6	Shallow	2.0-6.0	Clay, Gravel
SMW_ENV287	Clyde Zone 4w/6	Shallow	2.0-6.0	Clay
CZ6_MW05	Clyde Zone 4w/6	Shallow	2-5.2	
CZ6_MW04	Clyde Zone 4w/6	Shallow	2-5.5	
CZ4_MW06	Clyde Zone 4w/6	Shallow	3.0-7.0	Clay
CZ4w_MW08	Clyde Zone 4w/6	Shallow	3.0-7.0	Silty clay/Clay
SMW_WTP_BH18	Clyde Zone 4w/6	Shallow	3.0-9.0	Sand, clay
CZ4_MW13	Clyde Zone 4w/6	Shallow	3.5-6.5	Clay
CZ4_MW10	Clyde Zone 4w/6	Shallow	4.0-7.0	Silty clay
CZ4_MW15	Clyde Zone 4w/6	Shallow	4.3-8.1	Clay
CZ4_MW11	Clyde Zone 4w/6	Shallow	5.0-8.0	Clay
CZ4_MW12	Clyde Zone 4w/6	Shallow	5.0-8.0	Clay
CZ4w_MW04	Clyde Zone 4w/6	Shallow	5.0-8.0	Clay/Silty clay
CZ4_MW05	Clyde Zone 4w/6	Shallow	6.0-9.0	Clay
SMW_ENV090_s	Clyde Zone 5b	Shallow	1.0-3.0	Fill
CZ5_MW26	Clyde Zone 5b	Shallow	2.0 – 5.0	
CZ5_MW24	Clyde Zone 5b	Shallow	2.0-6.0	Silty clay/Clay
CZ5_MW25	Clyde Zone 5b	Shallow	2.0-6.0	Silty clay
CZ5_MW22	Clyde Zone 5b	Shallow	2.5 – 5.5	
CZ5_MW23	Clyde Zone 5b	Shallow	2.5 – 5.5	
SMW_ENV088	Clyde Zone 5b	Shallow	2.5-6	Clay
SMW_ENV089	Clyde Zone 5b	Shallow	4.0-6.0	Clay

Bore ID	Zone	Deep/shallow	Screen interval	Aquifer type
SMW_ENV090_D	Clyde Zone 5b	Shallow	Unknown - 6	Clay
SMW_ENV087	Clyde Zone 5b	Shallow	Unknown - 6.1	Clay
CZ5_MW06	Clyde Zone 5a	Shallow	2.0 – 4.5	
CZ5_MW20	Clyde Zone 5a	Shallow	2.0 – 5.0	
CZ5_MW21	Clyde Zone 5a	Shallow	2.0 – 5.0	
SMW_ENV272	Clyde Zone 5a	Shallow	2.0-6.0	Silt
CZ5_MW09	Clyde Zone 5a	Shallow	2.1 – 5.1	
CZ5_MW27	Clyde Zone 5a	Shallow	2.2 – 5.2	
CZ5_MW18	Clyde Zone 5a	Shallow	2.5 – 5.0	
CZ5_MW17	Clyde Zone 5a	Shallow	2.5 – 5.5	
SMW_ENV201	Clyde Zone 5a	Shallow	2.50-5.50	Silt
SMW_ENV202	Clyde Zone 5a	Shallow	2.50-5.50	Silt
CZ5_MW03	Clyde Zone 5a	Shallow	3.0 – 4.5	
CZ5_MW16	Clyde Zone 5a	Shallow	3.0 – 6.0	
SMW_ENV218	Clyde Zone 5a	Shallow	3.0-5.90	Clay
SMW_ENV151	Clyde Zone 5a	Shallow	3.2 - 6.2	Clay
SMW_ENV200	Clyde Zone 5a	Shallow	3.20-6.20	Clay
SMW_ENV146	Clyde Zone 5a	Shallow	3.3 - 6.3	Clay
SMW_ENV279	Clyde Zone 5a	Shallow	3.30-6.30	Clay
SMW_ENV219	Clyde Zone 5a	Shallow	3.50-6.40	Clay
SMW_ENV220	Clyde Zone 5a	Shallow	4.0-6.90	Clay
SMW_ENV276	Clyde Zone 5a	Shallow	4.0-7.0	Clay
SMW_ENV280	Clyde Zone 5a	Shallow	4.0-7.0	Clay
SMW_ENV045	Clyde Zone 5a	Shallow	9.5-12.5	Clay
SMW_ENV084	Clyde Zone 5a	Shallow	Unknown - 4.8	Clay
SMW_BH008	Westmead	Deep	14.0 - 17.0	Siltstone, Sandstone
SMW_WTP_BH03A	Westmead	Deep	15.0 - 21.0	Siltstone, Sandstone
SMW_WTP_BH02	Westmead	Deep	14.0 - 20.0	Siltstone, Sandstone
SMW_ENV294	Westmead	Shallow	2.5-5.5	Clay
SMW_ENV295	Westmead	Shallow	2.5 - 5.5	Clay
SMW_ENV300_s	Westmead	Shallow	1.2-2.0	Clay
SMW_ENV299	Westmead	Shallow	2.5-5.5	Clay
SMW_ENV300	Westmead	Shallow	2.5-5.5	Clay
SMW_WTP_BH31A	Westmead	Shallow	4.0 - 8.5	Siltstone
WM_MW001	Westmead	Shallow	5.0 - 8.0	Siltstone
WM_MW004	Westmead	Shallow	5.0 - 8.0	Siltstone
WM_MW022	Westmead	Shallow	2.5 - 6.5	Siltstone
SMW_BH701	Westmead	Shallow	6.0 - 9.0	Siltstone
SMW_BH004_w	Parramatta	Deep	20.60-23.60	Sandstone
SMW_BH048_W	Parramatta	Deep	19.6-22.6	Sandstone
SMW_BH002_W	Parramatta	Deep	29.4-32.4	Sandstone
SMW_BH004_s	Parramatta	Shallow	6.50-11.50	Sand
SMW_BH048_S	Parramatta	Shallow	4.0-7.5	Sand
PM_MW16	Parramatta	Shallow	6.0 - 9.0	Sand
PM_MW15	Parramatta	Shallow	7.0 - 10.0	Clay
SMW_BH001	Parramatta	Shallow	8.7 - 11.7	Siltstone

Bore ID	Zone	Deep/shallow	Screen interval	Aquifer type
SMW_BH003	Parramatta	Shallow	8.50-10.97	Sandy Clay, Sand
PM_MW17	Parramatta	Shallow	3.0 - 6.0	Sandy Clay
PM_MW18	Parramatta	Shallow	4.0 - 7.0	Silty/sandy clay
PM_MW57	Parramatta	Shallow	3.0 - 5.0	Silty clay
PM_MW21	Parramatta	Shallow	4.0 - 7.0	Sandy clay
PM_MW20	Parramatta	Shallow	3.0 - 6.0	Clayey sand

APPENDIX C GROUNDWATER MONITORING DATA



Westmead - Baseline Trigger Derivation

	pH (lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total Oxidised)	Nitrogen (Total Oxidised)	Nitrate (as N) (filtered)	Nitrate (as N) (filtered)	Nitrogen (Total)	Nitrogen (Total)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cadmium (filtered)	Cadmium (filtered)	Cobalt (filtered)	Cobalt (filtered)
	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	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
LOR	0.01		0.005	0.005	0.005	0.005			0.1	0.1	0.005	0.005	0.05	0.05			0.1	0.1	0.001	0.001
ANZG Freshwater Toxicant DGVs LOSP 95% (July 2023)			0.9	0.9			2.4	2.4									0.2	0.2		
PFAS NEMP 2020 Freshwater 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5				0.04	0.04			0.5	0.5	0.02	0.02	0.05	0.05						
NEPM 2013 Table 1C GILs, Fresh Waters																	0.2	0.2		

Report	Sample Code	Borehole	Location	Depth	Date	pH	TSS	Ammonia as N	Ammonia as N	Nitrogen (Total Oxidised)	Nitrogen (Total Oxidised)	Nitrate (as N)	Nitrate (as N)	Nitrogen (Total)	Nitrogen (Total)	Reactive Phosphorus as P	Reactive Phosphorus as P	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cadmium (filtered)	Cadmium (filtered)	Cobalt (filtered)	Cobalt (filtered)
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH008	Westmead	Deep	25 Jun 2020	7.3	12900	3.38	3.38	0.02	0.02	<0.01	0.005	3.3	3.3	<0.01	0.005	<0.02	0.01	6	<0.1	<0.1	<0.001	0.0005		
GDP Factual Contam	ES2145030	SMW_WTP_BH03A	Westmead	Deep	08 Dec 2021	7.65	120	2.53	2.53	0.03	0.03	<0.03	0.03	2.5	2.5	<0.01	0.005	0.16	0.16	1	1	0.1	0.1	<0.001	0.0005
GDP Factual Contam	ES2206057	SMW_WTP_BH02	Westmead	Deep	22 Feb 2022	7.7	440	0.83	0.83	<0.01	0.005	<0.01	0.005	0.8	0.8	<0.01	0.005	0.04	0.04	1	1	<0.1	0.003	0.003	
Epic GWMP/DSI	315737-1	SMW_WTP_BH02	Westmead	Deep	03 Feb 2023	9.5	510	<0.005	0.0025	0.4	0.4	0.43	0.8	0.8	0.11	0.11	0.1	0.1	2	2	<0.1	<0.001	0.0005		
Epic GWMP/DSI	315737-3	SMW_WTP_BH03a	Westmead	Deep	03 Feb 2023	6.9	49	0.005	0.005	0.06	0.06	0.061	0.061	0.2	0.2	<0.005	0.0025	0.2	0.2	<1	0.5	<0.1	<0.001	0.0005	
GDP Factual Contam	ES2204808	SMW_ENV294	Westmead	Shallow	11 Feb 2022	5.41	380	0.07	0.07	0.02	0.02	0.02	0.02	1	1	<0.01	0.005	0.18	0.18	<1	0.5	<0.1	0.05	0.014	0.014
GDP Factual Contam	ES2206504	SMW_ENV295	Westmead	Shallow	23 Feb 2022	5.72	490	<0.01	0.005	0.12	0.12	0.11	0.11	0.9	0.9	0.02	0.02	0.23	0.23	<1	0.5	<0.1	0.05	0.003	0.003
Epic GWMP/DSI	300822-2	SMW_ENV295	Westmead	Shallow	19 Jul 2022		422	0.012	0.012	0.005	0.005			0.7	0.7	0.27	0.27	0.6	0.6	1	1	<0.1	0.05	0.003	0.003
Epic GWMP/DSI	300822-1	SMW_ENV300_s	Westmead	Shallow	19 Jul 2022		370	<0.005	0.0025	0.64	0.64			0.8	0.8	0.006	0.006	<0.05	0.025	<1	0.5	<0.1	0.05	0.003	0.003
Epic GWMP/DSI	302829-5	SMW_ENV294	Westmead	Shallow	10 Aug 2022	5.1	626					<0.005	0.0025							1	1	<0.1	0.05	0.003	0.003
Epic GWMP/DSI	302829-3	SMW_ENV299	Westmead	Shallow	10 Aug 2022	5.5	1200					0.03	0.03							<1	0.5	0.1	0.1	0.003	0.003
Epic GWMP/DSI	302829-4	SMW_ENV300	Westmead	Shallow	10 Aug 2022	6.4	2400					0.05	0.05							<1	0.5	0.2	0.2	0.003	0.003
Epic GWMP/DSI	302829-6	SMW_WTP_BH31A	Westmead	Shallow	10 Aug 2022	7.6	2800					2.3	2.3							2	2	<0.1	0.05	0.003	0.003
Epic GWMP/DSI	303815-4	WM_MW001	Westmead	Shallow	23 Aug 2022	7.5	3200	0.25	0.25	0.3	0.3	0.28	0.28	0.9	0.9	<0.005	0.0025	0.05	0.05	2	2	0.2	0.2	0.003	0.003
Epic GWMP/DSI	303815-6	WM_MW004	Westmead	Shallow	23 Aug 2022	6.9	5400	0.47	0.47	0.3	0.3	0.3	0.3	1.1	1.1	<0.005	0.0025	<0.05	0.025	8	8	0.5	0.5	0.003	0.003
Epic GWMP/DSI	303815-5	WM_MW022	Westmead	Shallow	23 Aug 2022	5.3	920	0.12	0.12	0.2	0.2	0.21	0.21	0.7	0.7	0.02	0.02	0.06	0.06	<1	0.5	0.1	0.1	0.003	0.003
Epic GWMP/DSI	308061-1	MW_BH04	Westmead	Shallow	13 Oct 2022	7.1	2100	0.14	0.14			0.14	0.14	0.5	0.5	<0.005	0.0025	<0.05	0.025	3	3	0.2	0.2	0.003	0.003
Epic GWMP/DSI	315737-2	SMW_BH701	Westmead	Shallow	03 Feb 2023	6.8	6000									0.02	0.02							0.003	0.003

Yellow highlights indicate transformed data
Red highlights indicate outliers which have been removed.

Depth	Number of samples	Number of detects	No of non detects	Percentage of non detects	Max	Mean	Min	50th Percentile	80th Percentile	90th percentile	95th percentile	Outlier test
Deep	5	5	0	0%	9.5	7.810	6.9	7.65	8.06	8.78	9.14	8.3
	5	5	1	20%	3.38	1.686	0.0025	0.83	2.7	3.04	3.21	6.3175
	5	5	2	40%	0.43	0.128	0.005	0.025	0.042	0.051	0.0555	0.12
	5	5	0	0%	3.3	1.520	0.2	0.8	2.66	2.98	3.14	5.05
	5	5	4	80%	0.11	0.110	0.0025	0.005	0.005	0.005	0.005	0.005
	5	5	1	20%	0.2	0.125	0.01	0.1	0.168	0.184	0.192	0.34
	5	5	1	20%	6	2.500	0.5	1	1.4	1.7	1.85	3.5
	5	5	4	80%	0.1	0.100	0.1	0.1	0.1	0.1	0.1	0.05
Shallow	11	13	0	0%	7.6	6.303	5.1	6.4	7.1	7.5	7.55	9.3175
	8	7	2	25%	0.47	0.177	0.0025	0.07	0.136	0.184	0.217	0.403375
	7	7	0	0%	0.64	0.226	0.005	0.2	0.3	0.436	0.538	0.645
	10	9	1	10%	2.3	0.382	0.0025	0.11	0.238	0.284	0.292	0.603375
	8	8	0	0%	1.1	0.825	0.5	0.85	0.96	1.03	1.065	1.2625
	9	5	4	44%	0.27	0.067	0.0025	0.0055	0.02	0.02	0.02	0.04625
	8	5	3	38%	0.6	0.224	0.025	0.0375	0.18	0.205	0.2175	0.44375
	12	6	6	50%	8	2.833	0.5	0.5	2	2	2.5	4.25
	12	6	6	50%	0.5	0.217	0.05	0.05	0.2	0.2	0.2	0.425
	2	2	0	0%	0.014	0.009	0.003	0.0085	0.0118	0.0129	0.01345	



Westmead - Baseline Trigger Derivation

Copper (filtered)	Copper (filtered)	Manganese (filtered)	Manganese (filtered)	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
1	1	0.001	0.001	1	1	1	1
1.4	1.4	1.9	1.9	11	11	8	8
1.4	1.4	1.9	1.9	11	11	8	8

LOR							
ANZG Freshwater Toxicant DGVs LOSP 95% (July 2023)							
PFAS NEMP 2020 Freshwater 99%							
ANZECC 2000 SE Aust Triggers - Estuaries							
NEPM 2013 Table 1C GILs, Fresh Waters							

Report	Sample Code	Borehole	Location	Depth	Date	Copper (filtered)	Copper (filtered)	Manganese (filtered)	Manganese (filtered)	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
1791865-023-R-GWMR Stage 2 Rev1		SMW_BH008	Westmead	Deep	25 Jun 2020	<1	0.5	0.072	0.072	2	2	<5	2.5
GDP Factual Contam	ES2145030	SMW_WTP_BH03A	Westmead	Deep	08 Dec 2021	<1	0.5	0.261	0.261	4	4	108	108
GDP Factual Contam	ES2206057	SMW_WTP_BH02	Westmead	Deep	22 Feb 2022	20	20	0.262	0.262	15		107	107
Epic GWMP/DSI	315737-1	SMW_WTP_BH02	Westmead	Deep	03 Feb 2023	70		0.006	0.006	3	3	11	11
Epic GWMP/DSI	315737-3	SMW_WTP_BH03a	Westmead	Deep	03 Feb 2023	3	3	<0.005	0.0025	2	2	15	15
GDP Factual Contam	ES2204808	SMW_ENV294	Westmead	Shallow	11 Feb 2022	8	8	0.124	0.124	10	10	28	28
GDP Factual Contam	ES2206504	SMW_ENV295	Westmead	Shallow	23 Feb 2022	9	9	0.044	0.044	2	2	48	48
Epic GWMP/DSI	300822-2	SMW_ENV295	Westmead	Shallow	19 Jul 2022	9	9	0.083	0.083	4	4	25	25
Epic GWMP/DSI	300822-1	SMW_ENV300_s	Westmead	Shallow	19 Jul 2022	3	3	0.008	0.008	2	2	10	10
Epic GWMP/DSI	302829-5	SMW_ENV294	Westmead	Shallow	10 Aug 2022	14	14	0.14	0.14	8	8	34	34
Epic GWMP/DSI	302829-3	SMW_ENV299	Westmead	Shallow	10 Aug 2022	7	7	2	2	59	59	200	
Epic GWMP/DSI	302829-4	SMW_ENV300	Westmead	Shallow	10 Aug 2022	3	3	4.9		130		540	
Epic GWMP/DSI	302829-6	SMW_WTP_BH31A	Westmead	Shallow	10 Aug 2022	5	5	0.17	0.17	5	5	16	16
Epic GWMP/DSI	303815-4	WM_MW001	Westmead	Shallow	23 Aug 2022	1	1	0.44	0.44	5	5	34	34
Epic GWMP/DSI	303815-6	WM_MW004	Westmead	Shallow	23 Aug 2022	<1	0.5	3.1	3.1	47	47	38	38
Epic GWMP/DSI	303815-5	WM_MW022	Westmead	Shallow	23 Aug 2022	3	3	0.53	0.53	21	21	150	
Epic GWMP/DSI	308061-1	MW_BH04	Westmead	Shallow	13 Oct 2022	2	2	1.8	1.8	20	20	38	38
Epic GWMP/DSI	315737-2	SMW_BH701	Westmead	Shallow	03 Feb 2023								

Yellow highlights indicate transformed data
Red highlights indicate outliers which have been removed.

Depth	Number of samples	Copper (filtered)	Manganese (filtered)	Nickel (filtered)	Zinc (filtered)
Deep	Number of samples	5	5	5	5
	Number of detects	3	4	5	4
	No of non detects	2	1	0	1
	Percentage of non detects	40%	20%	0%	20%
	Max	70	0.262	15	108
	Mean	31.000	0.150	5.200	60.250
	Min	0.5	0.0025	2	2.5
	50th Percentile	1.75	0.072	2.5	15
	80th Percentile	9.8	0.2612	3.4	107.2
	90th percentile	14.9	0.2616	3.7	107.6
	95th percentile	17.45	0.2618	3.85	107.8
	Outlier test	49.25	0.6435	7	251
Shallow	Number of samples	12	12	12	12
	Number of detects	11	12	12	12
	No of non detects	1	0	0	0
	Percentage of non detects	8%	0%	0%	0%
	Max	14	4.9	130	540
	Mean	5.818	1.112	26.083	96.750
	Min	0.5	0.008	2	10
	50th Percentile	4	0.17	8	34
	80th Percentile	8.8	1.8	21	38
	90th percentile	9	2	47	40
	95th percentile	11.25	2.55	53	44
	Outlier test	16.5	4.454375	61.625	142.875



Parramatta - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrate (as N) (filtered)	Nitrate (as N) (filtered)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Zinc (filtered)	Zinc (filtered)
	-	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
LOR	0.01		0.005				0.1		0.05		0.001		1		1	
ANZG Freshwater Toxicant DGVs LOSP 95% (July 2023)			0.9		2.4								1.4		8	
PFAS NEMP 2020 Freshwater 99%																
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5						0.5		0.05							
NEPM 2013 Table 1C GILs, Marine Waters													1.4		8	

Report	Sample Code	Borehole	Location	Depth	Date	pH	TSS	Ammonia as N	Ammonia as N	Nitrate (as N)	Nitrate (as N)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Zinc (filtered)	Zinc (filtered)
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH004_w	Parramatta	Deep	11 Mar 2020	7.83	2180	0.16	0.16	0.16	0.16	0.4	0.4	0.09	0.09	<0.001	0.0005	1	1	13	13	
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH048_W	Parramatta	Deep	11 Mar 2020	7.67		0.61				0.7	0.7	0.03	0.03	<0.001	0.0005	<1	0.5	<5	2.5	
Epic GWMP/DSI	308536-4	SMW_BH004_W	Parramatta	Deep	19 Oct 2022	6.8	30	0.009	0.009	0.02	0.02	0.2	0.2	<0.05	0.025	0.025	0.025	12	12	31	31
Epic GWMP/DSI	308536-A-1	SMW_BH002_W	Parramatta	Deep	19 Oct 2022	6.7	31	0.22	0.22	0.092	0.092	0.6	0.6	0.06	0.06			2	2	30	30
Epic GWMP/DSI	321532-2	SMW_BH004_W	Parramatta	Deep	21 Apr 2023	6.6	76	<0.005	0.0025	<0.005	0.0025	0.2	0.2	0.08	0.08	<0.001	0.0005	9	9	9	9
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH048_S	Parramatta	Shallow	11 Mar 2020	7.19		0.12	0.12	<5	2.5	0.1	0.1	<0.01		0.005	0.005	<1	0.5	15	15	
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH004_s	Parramatta	Shallow	11 Mar 2020	6.79	202	<0.01	0.005	1.42	1.42	1.8	1.8	0.14	0.14	0.013	0.013	1	1	26	26	
Epic GWMP/DSI	304056-4	PM_MW16	Parramatta	Shallow	24 Aug 2022	6.2	150	<0.005	0.0025	1.7	1.7	2.8	2.8	<0.05				<1	0.5	<1	0.5
Epic GWMP/DSI	304056-5	PM_MW15	Parramatta	Shallow	24 Aug 2022	5.8	390	<0.005	0.0025	0.52	0.52	0.7	0.7	<0.05				<1	0.5	34	34
Epic GWMP/DSI	304375-1	PM_BH01	Parramatta	Shallow	29 Aug 2022	6.4	440	<0.005	0.0025	7.6	7.6	8.2	8.2	<0.05				2	2	4	4
Epic GWMP/DSI	304375-2	PM_BH03	Parramatta	Shallow	29 Aug 2022	6.3	360	0.032	0.032	10	10	11	11	0.07				2	2	6	6
Epic GWMP/DSI	304375-3	PM_MW14	Parramatta	Shallow	29 Aug 2022	6.4	410	<0.005	0.0025	3	3	3.5	3.5	<0.05				2	2	4	4
Epic GWMP/DSI	308113-1	PM_MW17	Parramatta	Shallow	14 Oct 2022	5.9	360	0.027	0.027	22	22	20	20	<0.05				2	2	9	9
Epic GWMP/DSI	308113-6	PM_MW18	Parramatta	Shallow	14 Oct 2022	6.6	460	0.052	0.052	16	16	14	14	0.2				9	9	10	10
Epic GWMP/DSI	308113-7	PM_MW57	Parramatta	Shallow	14 Oct 2022	7.1	380	0.093	0.093	0.01	0.01	0.3	0.3	<0.05				1	1	7	7
Epic GWMP/DSI	308296-1	PM_MW21	Parramatta	Shallow	17 Oct 2022	7.7	470	<0.005	0.0025	0.11	0.11	0.2	0.2	<0.05				<1	0.5	44	44
Epic GWMP/DSI	308296-2	PM_MW20	Parramatta	Shallow	17 Oct 2022	8.1	460	0.005	0.005	4	4	4.1	4.1	<0.05				1	1	15	15
Epic GWMP/DSI	308297-1	PM_MW16	Parramatta	Shallow	17 Oct 2022	6.2	220	0.005	0.005	4.5	4.5	4.7	4.7	<0.05				1	1	1	1
Epic GWMP/DSI	308297-2	PM_MW15	Parramatta	Shallow	17 Oct 2022	5.7	440	<0.005	0.0025	0.32	0.32	0.3	0.3	<0.05						49	49
Epic GWMP/DSI	308297-3	PM_MW14	Parramatta	Shallow	17 Oct 2022	6.4	440	0.005	0.005	3.8	3.8	3.7	3.7	<0.05				<1	0.5	2	2
Epic GWMP/DSI	308536-3	SMW_BH004_S	Parramatta	Shallow	19 Oct 2022	6.5	240	<0.005	0.0025	8.8	8.8	8.9	8.9	<0.05	0.025	0.025		25	25	15	15
Epic GWMP/DSI	308534-1	PM_BH19	Parramatta	Shallow	19 Oct 2022	6.3	1100	0.006	0.006	27.6946	27.6946	29	29	<0.05				<1	0.5	17	17
Epic GWMP/DSI	315085-1	SMW_BH004_s	Parramatta	Shallow	23 Jan 2023	6.6	170	<0.005	0.0025	3.4	3.4	4.2	4.2	<0.05	0.025	0.003	0.003	32	32	18	18
Epic GWMP/DSI	315085-2	PM_MW15	Parramatta	Shallow	23 Jan 2023	5.9	380	0.008	0.008	0.01	0.01	0.1	0.1	<0.05		0.001	0.001	<1	0.5	20	20
Epic GWMP/DSI	315085-3	PM_MW14	Parramatta	Shallow	23 Jan 2023	6.7	390	<0.005	0.0025	3.2	3.2	4	4	<0.05		<0.001	0.0005	1	1	5	5
Epic GWMP/DSI	321476-3	PM_MW14	Parramatta	Shallow	20 Apr 2023	6.7	330	0.017	0.017	3.1	3.1	3.1	3.1	<0.05		<0.001	0.0005	2	2	5	5
Epic GWMP/DSI	321476-4	PM_MW21	Parramatta	Shallow	20 Apr 2023	6.3	360	0.026	0.026	0.1	0.1	0.2	0.2	<0.05		<0.001	0.0005	<1	0.5	10	10
Epic GWMP/DSI	321532-1	SMW_BH004_S	Parramatta	Shallow	21 Apr 2023	6.3	160	<0.005	0.0025	2.9	2.9	3.8	3.8	0.07	0.07	0.006	0.006	7	7	30	30

Yellow highlights indicate transformed data
Red highlights indicate outliers which have been

Depth	Number of samples	Number of detects	No of non detects	Percentage of non detects	Max	Mean	Min	50th Percentile	80th Percentile	90th percentile	95th percentile	Outlier test	
Deep	5	4	0	0%	7.83	7.120	6.6	6.8	7.702	7.766	7.798	9.125	
	5	4	1	20%	0.61	0.098	0.0025	0.0845	0.184	0.202	0.211	0.5365	
	4	3	1	25%	0.16	0.069	0.0025	0.056	0.1192	0.1396	0.1498	0.249063	
	5	5	0	0%	0.7	0.420	0.2	0.4	0.62	0.66	0.68	1.2	
	5	4	1	20%	0.09	0.057	0.025	0.06	0.082	0.086	0.088	0.155	
	4	1	3	75%	0.025	0.007	0.0005	0.0005	0.0103	0.01765	0.021325	0.015813	
	5	4	1	20%	12	4900	0.5	2	9.6	10.8	11.4	21	
	5	4	1	20%	31	17,100	2.5	13	30.2	30.6	30.8	61.5	
	Shallow	23	22	0	0%	8.1	6.525	5.7	6.4	6.754	7.172	7.649	7.375
		23	22	11	48%	0.12	0.013	0.0025	0.005	0.017	0.027	0.032	0.05
		23	22	1	4%	27.6946	3.050	0.01	2.95	4.1	7.72	8.86	13.67
		23	23	0	0%	29	3.795	0.1	3.5	4.7	8.9	11	15.375
		23	4	19	83%	0.2	0.065	0.025	0.0475	0.098	0.119	0.1295	0.18125
9		6	3	33%	0.025	0.004	0.0005	0.002	0.0056	0.0081	0.01055	0.01425	
22		14	8	36%	32	1,056	0.5	1	2	2	2	4.25	
23		22	1	4%	49	12,071	0.5	10	18	26	30	40	



Clyde Zone 1 - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total Oxidised)	Nitrogen (Total Oxidised)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Lead (filtered)	Lead (filtered)	Manganese (filtered)	Manganese (filtered)
	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
LOR	0.01		0.005		0.005		0.1		0.05				0.001		1		1		0.001	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.91										0.001		1.3		4.4		0.2	
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5				0.015		0.3		0.03											
NEPM 2013 Table 1C GILs, Marine Waters													0.001		1.3		4.4			

Report	Sample Code	Borehole	Location	Depth	Date	pH	TDS	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total Oxidised)	Nitrogen (Total Oxidised)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Lead (filtered)	Lead (filtered)	Manganese (filtered)	Manganese (filtered)	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV044_w	Clyde Zone 1	Shallow	20 Nov 2019	7.18	16400	3.57	0.72	0.02	0.02	3.8	0.8	0.03	0.03	<1	0.5	<0.001	0.0005	<1	0.5	<1	0.5	1.22	1.22	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV149_w	Clyde Zone 1	Shallow	20 Nov 2019	7.07	15400	0.72	0.72	0.02	0.02	0.8	0.8	<0.01	0.005	2	2	0.038	0.038	1	1	<1	0.5	0.323	0.323	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV150_s	Clyde Zone 1	Shallow	20 Nov 2019	3.84	26500	8.1	0.7	0.44	0.44	7.4	0.04	0.04	69	69	0.637	0.637	51	51	<10	5	<10	5	0.076	0.076
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV150_w	Clyde Zone 1	Shallow	20 Nov 2019	7.53	43600	0.7	0.7	0.95	0.95	1.2	1.2	0.08	0.08	<10	5	<0.01	0.005	<10	5	<10	5	0.076	0.076	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV148_W	Clyde Zone 1	Shallow	21 Nov 2019	7.14	16300	0.35	0.35	0.01	0.01	<0.5	0.25	<0.05	0.025	1	1	0.026	0.026	2	2	<1	0.5	0.511	0.511	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV144	Clyde Zone 1	Shallow	25 Nov 2019	7.83	15700	1.27	1.27	<0.01	0.005	1.3	1.3	<0.02	0.01	2	2	0.016	0.016	3	3	<1	0.5	0.416	0.416	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV144	Clyde Zone 1	Shallow	20 Mar 2020	7.15	21300	1.14	1.14	<0.1	0.05	1	1	0.15	0.15	4	4	0.016	0.016	<1	0.5	<1	0.5	0.397	0.397	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV149_w	Clyde Zone 1	Shallow	20 Mar 2020																			0.309	0.309	
1791865-023-R-GWMR Stage 2 Rev1	ES2136132	SMW_ENV044_w	Clyde Zone 1	Shallow	23 Mar 2020																			1.11	1.11	
GDP Factual Contam	ES2136132	SMW_ENV250	Clyde Zone 1	Shallow	07 Oct 2021	6.61	5290	0.07	0.07	<0.01	0.005	<0.2	0.1	<0.02	0.01	<1	0.5	0.021	0.021	4	4	<1	0.5	0.364	0.364	
GDP Factual Contam	ES2136132	SMW_ENV266	Clyde Zone 1	Shallow	07 Oct 2021	6.25	3940	0.39	0.39	<0.01	0.005	0.6	0.6	<0.02	0.01	<1	0.5	0.043	0.043	<1	0.5	<1	0.5	0.818	0.818	
GDP Factual Contam	ES2136318	SMW_ENV222	Clyde Zone 1	Shallow	08 Oct 2021	3.65	13400	0.36	0.36	<0.1	0.05	0.7	0.7	<0.02	0.01	3	3	0.169	0.169	24	24	<1	0.5	0.288	0.288	
GDP Factual Contam	ES2136318	SMW_ENV226	Clyde Zone 1	Shallow	08 Oct 2021	5.74	13300	1.18	1.18	<0.1	0.05	5.2	0.4	<0.05	0.025	7	7	0.073	0.073	<1	0.5	<1	0.5	0.88	0.88	
GDP Factual Contam	ES2136318	SMW_ENV227	Clyde Zone 1	Shallow	08 Oct 2021	6.6	15500	0.79	0.79	0.01	0.01	1.8	1.8	0.06	0.06	<1	0.5	0.041	0.041	3	3	<1	0.5	0.525	0.525	
GDP Factual Contam	ES2136318	SMW_ENV231	Clyde Zone 1	Shallow	08 Oct 2021	8	916	6.34	6.34	0.01	0.01	7.9	0.4	0.22	0.22	3	3	<0.001	0.0005	<1	0.5	<1	0.5	0.326	0.326	
GDP Factual Contam	ES2136318	SMW_ENV263	Clyde Zone 1	Shallow	08 Oct 2021	3.37	17700	0.34	0.34	0.01	0.01	0.4	0.4	<0.02	0.01	3	3	0.184	0.184	30	30	<1	0.5	0.279	0.279	
GDP Factual Contam	ES2136318	SMW_WTP_BH25_s	Clyde Zone 1	Shallow	08 Oct 2021	7.54	2150	15.3	0.17	0.02	0.02	16.9	0.7	0.03	0.03	11	11	<0.001	0.0005	<1	0.5	<1	0.5	0.255	0.255	
GDP Factual Contam	ES2136472	SMW_ENV247	Clyde Zone 1	Shallow	11 Oct 2021	6.45	23900	1.15	1.15	<0.01	0.005	1.4	1.4	<0.02	0.01	<1	0.5	0.033	0.033	1	1	<1	0.5	1.07	1.07	
GDP Factual Contam	ES2136472	SMW_ENV269	Clyde Zone 1	Shallow	11 Oct 2021	6.2	8880	3.43	0.17	0.04	0.04	4.3	0.7	<0.1	<0.1	<1	0.5	0.074	0.074	<1	0.5	<1	0.5	0.874	0.874	
GDP Factual Contam	ES2136681	SMW_WTP_BH26	Clyde Zone 1	Shallow	12 Oct 2021	5.22	7100	0.17	0.17	<0.01	0.005	0.7	0.7	<0.05	0.025	2	2	0.059	0.059	<1	0.5	<1	0.5	0.178	0.178	
GDP Factual Contam	ES2136681	SMW_WTP_BH30	Clyde Zone 1	Shallow	12 Oct 2021	7.14	23400	1.22	1.22	0.01	0.01	1	1	0.1	0.1	2	2	0.054	0.054	2	2	<1	0.5	2.81	2.81	
GDP Factual Contam	ES2136681	SMW_WTP_BH30s	Clyde Zone 1	Shallow	12 Oct 2021	7.09	26300	0.09	0.09	0.02	0.02	<0.5	0.25	<0.05	0.025	<10	5	0.065	0.065	<10	5	<10	5	1.63	1.63	
GDP Factual Contam	ES2141490	SMW_ENV223	Clyde Zone 1	Shallow	16 Nov 2021	3.98	7500	0.28	0.28	<0.01	0.005	0.4	0.4	0.02	0.02	<1	0.5	0.091	0.091	2	2	3	3	0.148	0.148	
GDP Factual Contam	ES2141490	SMW_ENV262	Clyde Zone 1	Shallow	16 Nov 2021	3.97	13600	0.29	0.29	<0.01	0.005	0.8	0.8	<0.02	0.01	3	3	0.116	0.116	8	8	14	14	0.161	0.161	
GDP Factual Contam	ES2141683	SMW_ENV271	Clyde Zone 1	Shallow	17 Nov 2021	4.09	8320	0.14	0.14	<0.01	0.005	0.5	0.5	<0.02	0.01	2	2	0.095	0.095	10	10	9	9	0.248	0.248	
GDP Factual Contam	ES2143117	SMW_ENV229	Clyde Zone 1	Shallow	26 Nov 2021	7.53	3410	0.05	0.05	0.07	0.07	1.5	1.5	0.06	0.06	3	3	<0.001	0.0005	12	12	<1	0.5	0.003	0.003	
GDP Factual Contam	ES2143117	SMW_ENV243	Clyde Zone 1	Shallow	26 Nov 2021	6.9	9200	0.05	0.05	0.04	0.04	<0.5	0.25	<0.05	0.025	<1	0.5	0.002	0.002	<1	0.5	<1	0.5	0.07	0.07	
GDP Factual Contam	ES2201771	SMW_ENV242	Clyde Zone 1	Shallow	18 Jan 2022	7.62	13700	0.02	0.02	0.28	0.28	0.6	0.6	0.02	0.02	<1	0.5	0.004	0.004	<1	0.5	<1	0.5	0.171	0.171	
GDP Factual Contam	ES2201886	SMW_ENV144	Clyde Zone 1	Shallow	20 Jan 2022	6.54	18600	1.1	1.1	<0.1	0.05	1.1	1.1	<0.05	0.025	2	2	0.017	0.017	<1	0.5	<1	0.5	0.432	0.432	
GDP Factual Contam	ES2201886	SMW_WTP_BH41	Clyde Zone 1	Shallow	20 Jan 2022	6.04	6680	0.15	0.15	0.03	0.03	0.2	0.2	<0.02	0.01	<1	0.5	0.017	0.017	<1	0.5	<1	0.5	0.246	0.246	
GDP Factual Contam	ES2202069	SMW_ENV149	Clyde Zone 1	Shallow	21 Jan 2022	6.33	18100	0.67	0.67	0.01	0.01	0.8	0.8	<0.05	0.025	5	5	0.035	0.035	<1	0.5	<1	0.5	0.318	0.318	
GDP Factual Contam	ES2202507	SMW_ENV264	Clyde Zone 1	Shallow	24 Jan 2022	5.66	14800	0.26	0.26	0.02	0.02	<0.5	0.25	<0.05	0.025	1	1	0.106	0.106	14	14	7	7	0.867	0.867	
GDP Factual Contam	ES2202507	SMW_WTP_BH27	Clyde Zone 1	Shallow	24 Jan 2022	4.51	11000	0.11	0.11	0.01	0.01	0.2	0.2	0.03	0.03	4	4	0.083	0.083	14	14	10	10	0.376	0.376	
GDP Factual Contam	ES2203848	SMW_WTP_BH40	Clyde Zone 1	Shallow	04 Feb 2022	7.06	23600	0.1	0.1	<0.01	0.005	<0.5	0.25	<0.05	0.025	<10	5	0.053	0.053	<10	5	<10	5	2.3	2.3	
GDP Factual Contam	ES2204043	SMW_ENV224	Clyde Zone 1	Shallow	07 Feb 2022	7.47	3420	0.15	0.15	<0.01	0.005	0.4	0.4	0.05	0.05	<1	0.5	0.004	0.004	<1	0.5	<1	0.5	0.35	0.35	
GDP Factual Contam	ES2204808	SMW_ENV204	Clyde Zone 1	Shallow	11 Feb 2022	6.42	22700	0.5	0.5	<0.01	0.005	1.1	1.1	<0.05	0.025	<1	0.5	0.068	0.068	<1	0.5	<1	0.5	0.405	0.405	
GDP Factual Contam	ES2205079	SMW_ENV207	Clyde Zone 1	Shallow	14 Feb 2022	6.71	11400	0.1	0.1	0.09	0.09	6.4	0.3	1.68	1.68	2	2	0.014	0.014	11	11	5	5	0.162	0.162	
GDP Factual Contam	ES2205079	SMW_ENV208	Clyde Zone 1	Shallow	14 Feb 2022	6.59	7770	0.08	0.08	<0.01	0.005	<0.2	0.1	<0.02	0.01	<1	0.5	0.057	0.057	1	1	<1	0.5	0.518	0.518	
GDP Factual Contam	ES2205287	SMW_ENV206	Clyde Zone 1	Shallow	15 Feb 2022	6.12	15200	0.05	0.05	0.02	0.02	<0.5	0.25	<0.05	0.025	<1	0.5	0.109	0.109	7	7	<1	0.5	0.208	0.208	
GDP Factual Contam	ES2205287	SMW_ENV209	Clyde Zone 1	Shallow	15 Feb 2022	7.61	3860	0.02	0.02	0.17	0.17	0.3	0.3	0.01	0.01	<1	0.5	0.018	0.018	2	2	<1</				



Clyde Zone 1 - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total Oxidised)	Nitrogen (Total Oxidised)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Lead (filtered)	Lead (filtered)	Manganese (filtered)	Manganese (filtered)
	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
LOR	0.01		0.005		0.005		0.1		0.05				0.001		1		1		0.001	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.91										0.001		1.3		4.4		0.2	
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5				0.015		0.3		0.03											
NEPM 2013 Table 1C GILs, Marine Waters													0.001		1.3		4.4			

Report	Sample Code	Borehole	Location	Depth	Date	pH	TDS	Ammonia as N	Ammonia as N	Nitrogen (Total Oxidised)	Nitrogen (Total Oxidised)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Lead (filtered)	Lead (filtered)	Manganese (filtered)	Manganese (filtered)
Epic GWMP/DSI	300440-2	SMW_ENV210	Clyde Zone 1	Shallow	13 Jul 2022	5.1	13000	0.11	0.11	<0.005	0.0025	0.3	0.3	<0.05	0.025	<1	0.5			4	4	4	4	0.63	0.63
Epic GWMP/DSI	300440-1	SMW_ENV235	Clyde Zone 1	Shallow	13 Jul 2022	6.8	1300	0.09	0.09	0.89		1.2	1.2	<0.05	0.025	4	4			6	6	<1	0.5	0.1	0.1
Epic GWMP/DSI	300440-4	SMW_ENV242	Clyde Zone 1	Shallow	13 Jul 2022	4.6	1400	0.014	0.014	0.04	0.04	0.2	0.2	<0.05	0.025	<1	0.5			2	2	<1	0.5	0.014	0.014
Epic GWMP/DSI	300440-5	SMW_WTP_BH35	Clyde Zone 1	Shallow	13 Jul 2022	5.7	18000	0.52	0.52	<0.05	0.025	2.0	2.0	0.05	0.05	9	9			<1	0.5	<1	0.5	1.6	1.6
Epic GWMP/DSI	300526-7	SMW_ENV204	Clyde Zone 1	Shallow	14 Jul 2022	5.8	21000	0.41	0.41	<0.005	0.0025	0.4	0.4	<0.05	0.025	2	2			2	2	<1	0.5	0.36	0.36
Epic GWMP/DSI	300526-2	SMW_ENV222	Clyde Zone 1	Shallow	14 Jul 2022	6.7	2200	2.3	2.3	0.01	0.01	2.3	2.3	0.1	0.1	<1	0.5			4	4	<1	0.5	0.16	0.16
Epic GWMP/DSI	300526-1	SMW_ENV226	Clyde Zone 1	Shallow	14 Jul 2022	5.2	12000	0.72	0.72	<0.005	0.0025	2.4	2.4	<0.05	0.025	15				<1	0.5	1	1	0.68	0.68
Epic GWMP/DSI	300526-5	SMW_ENV236	Clyde Zone 1	Shallow	14 Jul 2022	5.6	21000	0.067	0.067	0.02	0.02	0.3	0.3	0.2	0.2	21				6	6	6	6	0.7	0.7
Epic GWMP/DSI	300526-13	SMW_ENV250	Clyde Zone 1	Shallow	14 Jul 2022	5.1	3900	0.049	0.049	<0.005	0.0025	0.2	0.2	<0.05	0.025	<1	0.5			2	2	<1	0.5	0.44	0.44
Epic GWMP/DSI	300526-3	SMW_ENV264	Clyde Zone 1	Shallow	14 Jul 2022	3.7	11000	0.21	0.21	<0.005	0.0025	0.4	0.4	<0.05	0.025	2	2			5	5	15		0.5	0.5
Epic GWMP/DSI	300526-4	SMW_ENV287	Clyde Zone 1	Shallow	14 Jul 2022	4.2	6600	0.17	0.17	0.04	0.04	0.4	0.4	<0.05	0.025	<1	0.5			6	6	5	5	0.23	0.23
Epic GWMP/DSI	300470-4	SMW_WTP_BH25_s	Clyde Zone 1	Shallow	14 Jul 2022		2,100	16		<0.005	0.0025	2.2		0.1	0.1	8	8			<1	0.5	<1	0.5	0.31	
Epic GWMP/DSI	300470-3	SMW_WTP_BH25_w	Clyde Zone 1	Shallow	14 Jul 2022		25,000	1.9	1.9	<0.05	0.025	2.6	2.6	<0.05	0.025	5	5	1	1	<1	0.5	<1	0.5	0.82	
Epic GWMP/DSI	300526-6	SMW_WTP_BH38	Clyde Zone 1	Shallow	14 Jul 2022	4.8	19000	0.081	0.081	0.007	0.007	0.2	0.2	<0.05	0.025	2	2			11	11	11		0.44	0.44
Epic GWMP/DSI	300676-4	SMW_ENV224	Clyde Zone 1	Shallow	15 Jul 2022	6.8	2600	0.29	0.29	<0.005	0.0025	0.5	0.5	<0.05	0.025	<1	0.5			<1	0.5	<1	0.5	0.46	0.46
Epic GWMP/DSI	300573-1	SMW_WTP_BH030	Clyde Zone 1	Shallow	15 Jul 2022		21000	1.3	1.3	0.1		1.2	1.2	<0.05	0.025	5	5			2	2	<1	0.5	3.2	
Epic GWMP/DSI	300573-2	SMW_WTP_BH030_S	Clyde Zone 1	Shallow	15 Jul 2022		29000	0.12	0.12	0.006	0.006	0.1	0.1	<0.05	0.025	<1	0.5			1	1	<1	0.5	2	
Epic GWMP/DSI	300676-5	SMW_WTP_BH41	Clyde Zone 1	Shallow	15 Jul 2022	5.5	4100	0.047	0.047	0.2		0.2	0.2	<0.05	0.025	<1	0.5			<1	0.5	<1	0.5	0.14	0.14
Epic GWMP/DSI	301795-3	CZ1_BH13	Clyde Zone 1	Shallow	27 Jul 2022	6.5	30000	1.2	1.2	0.01	0.01	1.5	1.5	0.2	0.2	1	1			3	3	<1	0.5	0.46	0.46
Epic GWMP/DSI	301795-4	CZ1_BH141	Clyde Zone 1	Shallow	27 Jul 2022	6.4	20000	0.16	0.16	0.03	0.03	0.3	0.3	<0.05	0.025	<1	0.5			3	3	1	1	0.31	0.31
Epic GWMP/DSI	301795-5	CZ1_BH144	Clyde Zone 1	Shallow	27 Jul 2022	6.5	27000	0.088	0.088	0.02	0.02	0.2	0.2	<0.05	0.025	<1	0.5			2	2	<1	0.5	0.48	0.48
Epic GWMP/DSI	301795-1	CZ1_BH06	Clyde Zone 1	Shallow	28 Jul 2022	7.1	1700	0.38	0.38	0.2		0.8	0.8	<0.05	0.025	<1	0.5			4	4	10		0.1	0.1
Epic GWMP/DSI	301795-2	CZ1_BH08	Clyde Zone 1	Shallow	28 Jul 2022	6.5	5300	4		0.01	0.01	8	8	<0.05	0.025	2	2			3	3	<1	0.5	0.62	0.62
Epic GWMP/DSI	301795-6	CZ1_BH134	Clyde Zone 1	Shallow	28 Jul 2022	6.4	32000	1.3	1.3	0.008	0.008	1.8	1.8	<0.05	0.025	1	1			<1	0.5	<1	0.5	0.82	0.82
Epic GWMP/DSI	302001-1	CZ1C_BH71_MW	Clyde Zone 1	Shallow	01 Aug 2022	5.9	3300	0.078	0.078	<0.005	0.0025	0.2	0.2	<0.05	0.025	<1	0.5			<1	0.5	<1	0.5	0.045	0.045
Epic GWMP/DSI	302377-4	CZ1_BH130_MW	Clyde Zone 1	Shallow	04 Aug 2022	3.5	8000	0.16	0.16	0.01	0.01	0.5	0.5	<0.05	0.025	1	1			9	9	6	6	0.12	0.12
Epic GWMP/DSI	302377-5	CZ1_BH42_MW	Clyde Zone 1	Shallow	04 Aug 2022	6.3	36000	2	2	0.01	0.01	3.5	3.5	<0.05	0.025	2	2			<1	0.5	<1	0.5	1.2	1.2
Epic GWMP/DSI	302542-6	CZ1_BH20_MW	Clyde Zone 1	Shallow	05 Aug 2022	6.7	19000	0.44	0.44	0.55		1.1	1.1	<0.05	0.025	<1	0.5			2	2	<1	0.5	0.94	0.94
Epic GWMP/DSI	302542-1	CZ1_BH61_MW	Clyde Zone 1	Shallow	05 Aug 2022	5.7	4000	0.37	0.37	<0.005	0.0025	0.7	0.7	<0.05	0.025	<1	0.5			<1	0.5	<1	0.5	0.13	0.13
Epic GWMP/DSI	306498-1	SMW_ENV207	Clyde Zone 1	Shallow	23 Sep 2022																				
Epic GWMP/DSI	307739-7	CZ1_BH13	Clyde Zone 1	Shallow	10 Oct 2022	6.5	26000	1.9	1.9			2	2	0.2	0.2	4	4			<1	0.5	<1	0.5	0.37	0.37
Epic GWMP/DSI	307739-6	SMW_ENV149	Clyde Zone 1	Shallow	10 Oct 2022	6.4	21000	0.71	0.71			0.9	0.9	<0.05	0.025	5	5			<1	0.5	<1	0.5	0.33	0.33
Epic GWMP/DSI	307739-3	SMW_ENV234	Clyde Zone 1	Shallow	10 Oct 2022	6.5	38000	1.9	1.9			2.2	2.2	<0.05	0.025	10				<1	0.5	<1	0.5	2.1	
Epic GWMP/DSI	307846-1	SMW_ENV224	Clyde Zone 1	Shallow	11 Oct 2022	6.8	2700	0.53	0.53			1.4	1.4	<0.05	0.025	<1	0.5			<1	0.5	<1	0.5	0.55	0.55
Epic GWMP/DSI	307846-2	SMW_WTP_BH25	Clyde Zone 1	Shallow	11 Oct 2022	6.3	18000	1.7	1.7			2	2	<0.05	0.025	3	3			<1	0.5	<1	0.5	0.32	0.32
Epic GWMP/DSI	313123-3	SMW_WTP_BH35	Clyde Zone 1	Shallow	14 Dec 2022																				

Yellow highlights indicate transformed data
 Red highlights indicate outliers which have been removed.

Shallow	Number of samples	84	88	88	83	88	88	88	88	44	88	88	88	90
Number of detects	84	88	88	88	46	77	26	47	39	47	20	90	90	
No of non detects	0	0	0	0	37	11	62	41	5	41	68	0	0	
Percentage of non detects	0%	0%	0%	0%	45%	13%	70%	47%	11%	47%	77%	0%	0%	
Max	8	48900	16	0.95	22	1.68	74	1	680	172	44.5	44.5	44.5	
Mean	6.116	15345	0.595	0.016	0.888	0.071	2.835	0.067	2.304	1.538	0.491	0.491	0.491	
Min	3.29	916	0.009	0.0025	0.1	0.005	0.5	0.0005	0.5	0.5	0.003	0.003	0.003	
50th Percentile	6.4	13950	0.29	0.01	0.5	0.025	1	0.035	1	0.5	0.3865	0.3865	0.3865	
80th Percentile	7.078	23120	1.14	0.023	1.38	0.04	4	0.074	4	0.6	0.8184	0.8184	0.8184	
90th percentile	7.384	29300	1.38	0.04	1.88	0.12	5	0.106	6	5	1.007	1.007	1.007	
95th percentile	7.5385	37300	1.9	0.05	2.32	0.2	5.95	0.116	8.1	6.05	1.201	1.201	1.201	
Outlier test			2.75875	0.08	3.75	0.03125	9.25	0.167375	11.75	4.25	1.800625	1.800625	1.800625	



Clyde Zone 1 - Baseline Trigger Derivation

	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
	µg/L	µg/L	µg/L	µg/L
LOR	1		1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	70		8	
PFAS NEMP 2020 Interim Marine 99%				
ANZECC 2000 SE Aust Triggers - Estuaries				
NEPM 2013 Table 1C GILs, Marine Waters	7		15	

Report	Sample Code	Borehole	Location	Depth	Date	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV044_w		Clyde Zone 1	Shallow	20 Nov 2019	<1	0.5	16	16
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV149_w		Clyde Zone 1	Shallow	20 Nov 2019	12	12	16	16
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV150_s		Clyde Zone 1	Shallow	20 Nov 2019	1110		3380	
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV150_w		Clyde Zone 1	Shallow	20 Nov 2019	<10	5	<50	25
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV148_W		Clyde Zone 1	Shallow	21 Nov 2019	4	4	10	10
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV144		Clyde Zone 1	Shallow	25 Nov 2019	9	9	26	26
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV144		Clyde Zone 1	Shallow	20 Mar 2020	8	8	13	13
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV149_w		Clyde Zone 1	Shallow	20 Mar 2020				
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV044_w		Clyde Zone 1	Shallow	23 Mar 2020				
GDP Factual Contam	ES2136132	SMW_ENV250	Clyde Zone 1	Shallow	07 Oct 2021	60	60	35	35
GDP Factual Contam	ES2136132	SMW_ENV266	Clyde Zone 1	Shallow	07 Oct 2021	11	11	766	
GDP Factual Contam	ES2136318	SMW_ENV222	Clyde Zone 1	Shallow	08 Oct 2021	75		170	170
GDP Factual Contam	ES2136318	SMW_ENV226	Clyde Zone 1	Shallow	08 Oct 2021	40	40	221	221
GDP Factual Contam	ES2136318	SMW_ENV227	Clyde Zone 1	Shallow	08 Oct 2021	14	14	2170	
GDP Factual Contam	ES2136318	SMW_ENV231	Clyde Zone 1	Shallow	08 Oct 2021	2	2	<5	2.5
GDP Factual Contam	ES2136318	SMW_ENV263	Clyde Zone 1	Shallow	08 Oct 2021	85		330	
GDP Factual Contam	ES2136318	SMW_WTP_BH25_s	Clyde Zone 1	Shallow	08 Oct 2021	<1	0.5	12	12
GDP Factual Contam	ES2136472	SMW_ENV247	Clyde Zone 1	Shallow	11 Oct 2021	9	9	333	
GDP Factual Contam	ES2136472	SMW_ENV269	Clyde Zone 1	Shallow	11 Oct 2021	35	35	167	167
GDP Factual Contam	ES2136681	SMW_WTP_BH26	Clyde Zone 1	Shallow	12 Oct 2021	34	34	69	69
GDP Factual Contam	ES2136681	SMW_WTP_BH30	Clyde Zone 1	Shallow	12 Oct 2021	11	11	24	24
GDP Factual Contam	ES2136681	SMW_WTP_BH30s	Clyde Zone 1	Shallow	12 Oct 2021	34	34	350	
GDP Factual Contam	ES2141490	SMW_ENV223	Clyde Zone 1	Shallow	16 Nov 2021	27	27	61	61
GDP Factual Contam	ES2141490	SMW_ENV262	Clyde Zone 1	Shallow	16 Nov 2021	59	59	114	114
GDP Factual Contam	ES2141683	SMW_ENV271	Clyde Zone 1	Shallow	17 Nov 2021	48	48	129	129
GDP Factual Contam	ES2143117	SMW_ENV229	Clyde Zone 1	Shallow	26 Nov 2021	6	6	8	8
GDP Factual Contam	ES2143117	SMW_ENV243	Clyde Zone 1	Shallow	26 Nov 2021	6	6	14	14
GDP Factual Contam	ES2201771	SMW_ENV242	Clyde Zone 1	Shallow	18 Jan 2022	7	7	18	18
GDP Factual Contam	ES2201886	SMW_ENV144	Clyde Zone 1	Shallow	20 Jan 2022	8	8	9	9
GDP Factual Contam	ES2201886	SMW_WTP_BH41	Clyde Zone 1	Shallow	20 Jan 2022	9	9	12	12
GDP Factual Contam	ES2202069	SMW_ENV149	Clyde Zone 1	Shallow	21 Jan 2022	11	11	12	12
GDP Factual Contam	ES2202507	SMW_ENV264	Clyde Zone 1	Shallow	24 Jan 2022	48	48	104	104
GDP Factual Contam	ES2202507	SMW_WTP_BH27	Clyde Zone 1	Shallow	24 Jan 2022	64	64	152	152
GDP Factual Contam	ES2203848	SMW_WTP_BH40	Clyde Zone 1	Shallow	04 Feb 2022	13	13	<50	25
GDP Factual Contam	ES2204043	SMW_ENV224	Clyde Zone 1	Shallow	07 Feb 2022	11	11	<5	2.5
GDP Factual Contam	ES2204808	SMW_ENV204	Clyde Zone 1	Shallow	11 Feb 2022	15	15	23	23
GDP Factual Contam	ES2205079	SMW_ENV207	Clyde Zone 1	Shallow	14 Feb 2022	14	14	50	50
GDP Factual Contam	ES2205079	SMW_ENV208	Clyde Zone 1	Shallow	14 Feb 2022	18	18	39	39
GDP Factual Contam	ES2205287	SMW_ENV206	Clyde Zone 1	Shallow	15 Feb 2022	51	51	133	133
GDP Factual Contam	ES2205287	SMW_ENV209	Clyde Zone 1	Shallow	15 Feb 2022	7	7	10	10
GDP Factual Contam	ES2205287	SMW_ENV210	Clyde Zone 1	Shallow	15 Feb 2022	32	32	63	63
GDP Factual Contam	ES2205286	SMW_WTP_BH30	Clyde Zone 1	Shallow	16 Feb 2022	6	6	46	46
GDP Factual Contam	ES2205839	SMW_ENV238	Clyde Zone 1	Shallow	21 Feb 2022	4	4	10	10
GDP Factual Contam	ES2206504	SMW_ENV150	Clyde Zone 1	Shallow	23 Feb 2022	29	29	<50	25
GDP Factual Contam	ES2206504	SMW_ENV150S	Clyde Zone 1	Shallow	23 Feb 2022	1120		5290	
GDP Factual Contam	ES2206504	SMW_ENV234	Clyde Zone 1	Shallow	23 Feb 2022	9	9	8	8
Epic GWMP/DSI	300162-1	SMW_ENV238	Clyde Zone 1	Shallow	11 Jul 2022	5	5	10	10
Epic GWMP/DSI	300303-2	SMW_ENV149	Clyde Zone 1	Shallow	12 Jul 2022	10	10	12	12
Epic GWMP/DSI	300303-8	SMW_ENV207	Clyde Zone 1	Shallow	12 Jul 2022	5	5	9	9
Epic GWMP/DSI	300303-7	SMW_ENV208	Clyde Zone 1	Shallow	12 Jul 2022	10	10	22	22
Epic GWMP/DSI	300303-5	SMW_ENV209	Clyde Zone 1	Shallow	12 Jul 2022	7	7	8	8
Epic GWMP/DSI	300303-4	SMW_ENV234	Clyde Zone 1	Shallow	12 Jul 2022	3	3	<1	0.5
Epic GWMP/DSI	300303-1	SMW_ENV237	Clyde Zone 1	Shallow	12 Jul 2022	14	14	8	8
Epic GWMP/DSI	300303-3	SMW_ENV241	Clyde Zone 1	Shallow	12 Jul 2022	35	35	91	91
Epic GWMP/DSI	300303-6	SMW_ENV243	Clyde Zone 1	Shallow	12 Jul 2022	4	4	4	4
Epic GWMP/DSI	300440-3	SMW_ENV206	Clyde Zone 1	Shallow	13 Jul 2022	48	48	110	110



Clyde Zone 1 - Baseline Trigger Derivation

	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
	µg/L	µg/L	µg/L	µg/L
LOR	1		1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	70		8	
PFAS NEMP 2020 Interim Marine 99%				
ANZECC 2000 SE Aust Triggers - Estuaries				
NEPM 2013 Table 1C GILs, Marine Waters	7		15	

Report	Sample Code	Borehole	Location	Depth	Date				
Epic GWMP/DSI	300440-2	SMW_ENV210	Clyde Zone 1	Shallow	13 Jul 2022	37	37	120	120
Epic GWMP/DSI	300440-1	SMW_ENV235	Clyde Zone 1	Shallow	13 Jul 2022	4	4	50	50
Epic GWMP/DSI	300440-4	SMW_ENV242	Clyde Zone 1	Shallow	13 Jul 2022	4	4	11	11
Epic GWMP/DSI	300440-5	SMW_WTP_BH35	Clyde Zone 1	Shallow	13 Jul 2022	4	4	40	40
Epic GWMP/DSI	300526-7	SMW_ENV204	Clyde Zone 1	Shallow	14 Jul 2022	19	19	31	31
Epic GWMP/DSI	300526-2	SMW_ENV222	Clyde Zone 1	Shallow	14 Jul 2022	7	7	2	2
Epic GWMP/DSI	300526-1	SMW_ENV226	Clyde Zone 1	Shallow	14 Jul 2022	55	55	240	240
Epic GWMP/DSI	300526-5	SMW_ENV236	Clyde Zone 1	Shallow	14 Jul 2022	55	55	71	71
Epic GWMP/DSI	300526-13	SMW_ENV250	Clyde Zone 1	Shallow	14 Jul 2022	37	37	32	32
Epic GWMP/DSI	300526-3	SMW_ENV264	Clyde Zone 1	Shallow	14 Jul 2022	48	48	120	120
Epic GWMP/DSI	300526-4	SMW_ENV287	Clyde Zone 1	Shallow	14 Jul 2022	39	39	83	83
Epic GWMP/DSI	300470-4	SMW_WTP_BH25_s	Clyde Zone 1	Shallow	14 Jul 2022	<1	0.5	<1	0.5
Epic GWMP/DSI	300470-3	SMW_WTP_BH25_w	Clyde Zone 1	Shallow	14 Jul 2022	13	13	370	
Epic GWMP/DSI	300526-6	SMW_WTP_BH38	Clyde Zone 1	Shallow	14 Jul 2022	52	52	98	98
Epic GWMP/DSI	300676-4	SMW_ENV224	Clyde Zone 1	Shallow	15 Jul 2022	4	4	30	30
Epic GWMP/DSI	300573-1	SMW_WTP_BH030	Clyde Zone 1	Shallow	15 Jul 2022	16	16	18	18
Epic GWMP/DSI	300573-2	SMW_WTP_BH030_s	Clyde Zone 1	Shallow	15 Jul 2022	25	25	50	50
Epic GWMP/DSI	300676-5	SMW_WTP_BH41	Clyde Zone 1	Shallow	15 Jul 2022	10	10	13	13
Epic GWMP/DSI	301795-3	CZ1_BH13	Clyde Zone 1	Shallow	27 Jul 2022	15	15	39	39
Epic GWMP/DSI	301795-4	CZ1_BH141	Clyde Zone 1	Shallow	27 Jul 2022	7	7	23	23
Epic GWMP/DSI	301795-5	CZ1_BH144	Clyde Zone 1	Shallow	27 Jul 2022	11	11	25	25
Epic GWMP/DSI	301795-1	CZ1_BH06	Clyde Zone 1	Shallow	28 Jul 2022	9	9	4200	
Epic GWMP/DSI	301795-2	CZ1_BH08	Clyde Zone 1	Shallow	28 Jul 2022	13	13	73	73
Epic GWMP/DSI	301795-6	CZ1_BH134	Clyde Zone 1	Shallow	28 Jul 2022	8	8	42	42
Epic GWMP/DSI	302001-1	CZ1C_BH71_MW	Clyde Zone 1	Shallow	01 Aug 2022	10	10	12	12
Epic GWMP/DSI	302377-4	CZ1_BH130_MW	Clyde Zone 1	Shallow	04 Aug 2022	41	41	250	
Epic GWMP/DSI	302377-5	CZ1_BH42_MW	Clyde Zone 1	Shallow	04 Aug 2022	20	20	53	53
Epic GWMP/DSI	302542-6	CZ1_BH20_MW	Clyde Zone 1	Shallow	05 Aug 2022	6	6	42	42
Epic GWMP/DSI	302542-1	CZ1_BH61_MW	Clyde Zone 1	Shallow	05 Aug 2022	12	12	54	54
Epic GWMP/DSI	306498-1	SMW_ENV207	Clyde Zone 1	Shallow	23 Sep 2022				
Epic GWMP/DSI	307739-7	CZ1_BH13	Clyde Zone 1	Shallow	10 Oct 2022	5	5	18	18
Epic GWMP/DSI	307739-6	SMW_ENV149	Clyde Zone 1	Shallow	10 Oct 2022	10	10	110	110
Epic GWMP/DSI	307739-3	SMW_ENV234	Clyde Zone 1	Shallow	10 Oct 2022	2	2	1	1
Epic GWMP/DSI	307846-1	SMW_ENV224	Clyde Zone 1	Shallow	11 Oct 2022	7	7	13	13
Epic GWMP/DSI	307846-2	SMW_WTP_BH25	Clyde Zone 1	Shallow	11 Oct 2022	23	23	25	25
Epic GWMP/DSI	313123-3	SMW_WTP_BH35	Clyde Zone 1	Shallow	14 Dec 2022				

Yellow highlights indicate transformed data
 Red highlights indicate outliers which have been removed.

Shallow	Number of samples	88	88
	Number of detects	84	81
	No of non detects	4	7
	Percentage of non detects	5%	8%
	Max	1120	5290
	Mean	18.577	47.282
	Min	0.5	0.5
	50th Percentile	11	25
	80th Percentile	35	79
	90th percentile	48	120
	95th percentile	54.55	154.25
	Outlier test	74.5	245.75



Clyde Zone 2 - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Manganese (filtered)	Manganese (filtered)	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.01		0.005		0.1		0.05				0.001		1		0.001		1		1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.91								0.001		1.3				70		8	
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5				0.3		0.03													
NEPM 2013 Table 1C GILs, Marine Waters											0.001		1.3				7		15	

Report	Sample Code	Borehole	Location	Depth	Date	7.45	18700	5.66	5.66	6.1	6.1	<0.02	0.01	1	1	0.001	0.001	1	1	0.384	0.384	2	2	<5	2.5
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH010	Rosehill / Clyde Zone 2	Deep	26 Nov 2019	6.96	16700	1.37	1.37	1.8	1.8	<0.02	0.01	1	1	0.004	0.004	2	2	0.151	0.151	7	7	18	18	
GDP Factual Contam	ES2137931	SMW_WTP_BH15	Rosehill / Clyde Zone 2	Deep	20 Oct 2021	6.66	19,200	1.28	1.28	1.6	1.6	2.09	7		0.031		<1	0.5	0.659	0.659	9	9	697		
GDP Factual Contam	ES2207007	SMW_ENV145	Rosehill / Clyde Zone 2	Deep	28 Feb 2022	6.71	21,900	0.98	0.98	1.3	1.3	0.06	0.06	3	3	0.002	0.002	<1	0.5	0.112	0.112	6	6	7	7
GDP Factual Contam	ES2202504	SMW_ENV283	Rosehill / Clyde Zone 2	Deep	25 Jan 2022	7.81	12300	3.77	3.77	3.8	3.8	0.11	0.11	2	2	0.001	0.001	<1	0.5	1	1	1	1	40	40
Epic GWMP/DSI	295184-2	SMW_WTP_BH15A_100522	Rosehill / Clyde Zone 2	Deep	10 May 2022	6.5		1.7	1.7																
Epic GWMP/DSI	300546-3	SMW_BH010	Rosehill / Clyde Zone 2	Deep	13 Jul 2022	6.3	23,000	7.1	7.1	8.2	8.2	<0.05	0.025	<1	0.5			860		0.66	0.66	2	2	12	12
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV042	Rosehill / Clyde Zone 2	Shallow	26 Nov 2019	6.27	16200	0.73	0.73	1.1	1.1	<0.02	0.01	<1	0.5	0.014	0.014	3	3	0.44	0.44	12	12	46	46	
GDP Factual Contam	ES2136132	SMW_ENV812	Rosehill / Clyde Zone 2	Shallow	07 Oct 2021	6.79	18,800	0.6	0.6	0.6	0.6	<0.05	0.025	<1	0.5	0.056	0.056	4	4	0.48	0.48	18	18	88	88
GDP Factual Contam	ES2136132	SMW_ENV813	Rosehill / Clyde Zone 2	Shallow	07 Oct 2021	7.78	6640	0.28	0.28	0.7	0.7	0.2	0.2	<1	0.5	0.006	0.006	<1	0.5	0.395	0.395	3	3	32	32
GDP Factual Contam	ES2136132	SMW_ENV814	Rosehill / Clyde Zone 2	Shallow	07 Oct 2021	6.97	22,500	0.81	0.81	1.3	1.3	<0.05	0.025	<1	0.5	0.042	0.042	<1	0.5	1	1	14	14	818	
GDP Factual Contam	ES2136318	SMW_ENV809	Rosehill / Clyde Zone 2	Shallow	08 Oct 2021	6.03	11,400	0.15	0.15	0.3	0.3	<0.02	0.01	<1	0.5	0.022	0.022	<1	0.5	0.05	0.05	12	12	44	44
GDP Factual Contam	ES2136518	SMW_ENV801S	Rosehill / Clyde Zone 2	Shallow	11 Oct 2021	6.74	343	0.32	0.32	0.9	0.9	0.02	0.02	1	1	0.002	0.002	<1	0.5	0.062	0.062	<1	0.5	5	5
GDP Factual Contam	ES2136518	SMW_ENV808	Rosehill / Clyde Zone 2	Shallow	11 Oct 2021	6.86	17,800	0.49	0.49	0.7	0.7	0.11	0.11	1	1	0.036	0.036	<1	0.5	0.889	0.889	14	14	27	27
GDP Factual Contam	ES2136722	SMW_ENV811	Rosehill / Clyde Zone 2	Shallow	12 Oct 2021	6.1	19,200	0.15	0.15	<1	0.5	<0.1	0.05	<10	5	0.062	0.062	<10		0.338	0.338	37	37	74	74
GDP Factual Contam	ES2136722	SMW_WTP_BH13	Rosehill / Clyde Zone 2	Shallow	12 Oct 2021	6.81	16,200	0.29	0.29	<1	0.5	0.1	0.1	<1	0.5	0.049	0.049	<1	0.5	0.254	0.254	18	18	88	88
GDP Factual Contam	ES2137931	SMW_ENV801	Rosehill / Clyde Zone 2	Shallow	20 Oct 2021	6.08	25,400	0.49	0.49	0.6	0.6	0.01	0.01	<1	0.5	0.056	0.056	<1	0.5	0.505	0.505	22	22	64	64
GDP Factual Contam	ES2137931	SMW_WTP_BH14	Rosehill / Clyde Zone 2	Shallow	20 Oct 2021	6.27	8780	0.29	0.29	1.5	1.5	1.01	1.01	1	1	0.024	0.024	<1	0.5	0.183	0.183	8	8	25	25
GDP Factual Contam	ES2138069	SMW_ENV806	Rosehill / Clyde Zone 2	Shallow	21 Oct 2021	6.57	24,600	0.21	0.21	<0.5	0.25	<0.05	0.025	<10	5	0.027	0.027	<10		0.366	0.366	15	15	80	80
GDP Factual Contam	ES2143985	SMW_ENV806	Rosehill / Clyde Zone 2	Shallow	01 Dec 2021	6.84	19,700	0.18	0.18	<0.5	0.25	0.05	0.05	<1	0.5	0.046	0.046	1	1	0.562	0.562	23	23	72	72
Epic GWMP/DSI	300546-4	SMW_ENV042	Rosehill / Clyde Zone 2	Shallow	13 Jul 2022	5.5	18,000	1.4	1.4	1.4	1.4	<0.05	0.025	3	3			290		0.23	0.23	25	25	39	39
Epic GWMP/DSI	300470-2	SMW_WTP_BH13_w	Rosehill / Clyde Zone 2	Shallow	14 Jul 2022		970	0.018	0.018	0.3	0.3	0.08	0.08	<1	0.5			2	2	0.013	0.013	<1	0.5	8	8
Epic GWMP/DSI	302000-1	CZ2b_MW39	Rosehill / Clyde Zone 2	Shallow	01 Aug 2022	6.1	16,000	1.4	1.4	1.4	1.4	<0.05	0.025	2	2	0.01	0.01	3	3	0.24	0.24	11	11	30	30
Epic GWMP/DSI	302160-1	CZ2b_MW32	Rosehill / Clyde Zone 2	Shallow	02 Aug 2022	6.4	7,700	4.9	9.8			0.06	0.06	5	5			<1	0.5	0.2	0.2	2	2	12	12
Epic GWMP/DSI	302160-2	CZ2b_MW53	Rosehill / Clyde Zone 2	Shallow	02 Aug 2022	4.9	16,000	0.12	0.12	1	1	<0.05	0.025	1	1			9		0.11	0.11	43		88	88
Epic GWMP/DSI	302160-3	CZ2b_MW52	Rosehill / Clyde Zone 2	Shallow	02 Aug 2022	5.9	18,000	0.68	0.68	2.2	2.2	<0.05	0.025	2	2			2	2	0.68	0.68	30	30	55	55
Epic GWMP/DSI	302160-8	MW41	Rosehill / Clyde Zone 2	Shallow	02 Aug 2022	5.5	16,000	0.98	0.98	2.7	2.7	<0.05	0.025	<1	0.5			3	3	0.23	0.23	7	7	42	42
Epic GWMP/DSI	302251-1	CZ2b_MW33	Rosehill / Clyde Zone 2	Shallow	03 Aug 2022	6.6	22,000	0.96	0.96	1.7	1.7	<0.05	0.025	<1	0.5			2	2	0.79	0.79	19	19	38	38
Epic GWMP/DSI	302251-2	CZ2b_MW20	Rosehill / Clyde Zone 2	Shallow	03 Aug 2022	7.2	16,000	1.1	1.1	3.3	6.7			<1	0.5			6	6	1.1		28	28	17	17
Epic GWMP/DSI	302251-3	CZ2b_MW18	Rosehill / Clyde Zone 2	Shallow	03 Aug 2022	6.2	21,000	0.68	0.68	0.9	0.9	<0.05	0.025	<1	0.5			2	2	0.39	0.39	13	13	45	45
Epic GWMP/DSI	302251-4	CZ2b_MW25	Rosehill / Clyde Zone 2	Shallow	03 Aug 2022	6.9	18,000	0.36	0.36	0.7	0.7	<0.05	0.025	<1	0.5			<1	0.5	0.17	0.17	5	5	47	47
Epic GWMP/DSI	302538-4	CZ2b_MW04	Rosehill / Clyde Zone 2	Shallow	05 Aug 2022	6.7	12,000	0.87	0.87	1.5	1.5	1	1	<1	0.5			4	4	0.34	0.34	12	12	170	
Epic GWMP/DSI	302538-5	CZ2b_MW42	Rosehill / Clyde Zone 2	Shallow	05 Aug 2022	6.2	12,000	0.56	0.56	0.9	0.9	<0.05	0.025	<1	0.5			2	2	0.35	0.35	9	9	30	30
Epic GWMP/DSI	302538-6	SMW_ENV812	Rosehill / Clyde Zone 2	Shallow	05 Aug 2022	7.1	14,000	1.1	1.1	1.8	1.8	<0.05	0.025	<1	0.5			2	2	0.28	0.28	4	4	29	29

Yellow highlights indicate transformed data
Red highlights indicate outliers which have been removed.

Depth	Number of samples	Number of detects	No of non detects	Percentage of non detects	Max	Mean	Min	50th Percentile	80th Percentile	90th percentile	95th percentile	Outlier test
Deep	7	5	0	0%	7.81	6.913	6.3	6.71	7.352	7.594	7.702	9.8
	6	5	0	0%	7.1	3.123	0.98	1.7	5.282	6.236	6.668	9.8
	6	5	0	0%	8.2	3.800	1.3	2.8	6.1	7.15	7.675	11.3375
	6	3	3	50%	2.09	0.043	0.01	1	2.2	2.6	2.8	0.135
	6	5	1	17%	7	1.500	0.5	1	2.2	2.6	2.8	6
	5	5	0	0%	0.031	0.002	0.001	0.0015	0.0028	0.0034	0.0037	0.02425
	5	2	3	60%	860	0.900	0.5	0.5	1.2	1.6	1.8	3.625
	5	5	0	0%	1	0.494	0.112	0.5215	0.66	0.83	0.915	1.3355
	5	5	0	0%	9	4.500	1	4	7	8	8.5	13.875
	5	4	1	20%	697	15.900	2.5	12	22.4	31.2	35.6	34.5
Shallow	26	27	0	0%	7.78	6.435	6.435	26	7.594	7.702		
	27	23	4	15%	9.8	1.028	0.98	27	6.1	7.15	7.675	11.3375
	27	11	16	59%	6.7	0.117	0.01	1	2.2	2.6	2.8	6
	14	8	6	70%	5	1.278	0.5	1	2.2	2.6	2.8	6
	14	15	0	0%	0.062	0.032	0.001	0.0015	0.0028	0.0034	0.0037	0.02425
	27	27	0	0%	1.1	0.342	0.112	0.5215	0.66	0.83	0.915	1.3355
	27	25	2	7%	43	13.923	1	4	7	8	8.5	13.875
	27	27	0	0%	818	45.000	2.5	12	22.4	31.2	35.6	34.



Clyde Zone 2 - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Manganese (filtered)	Manganese (filtered)	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.01		0.005		0.1		0.05				0.001		1		0.001		1		1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.91								0.001		1.3				70		8	
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5				0.3		0.03													
NEPM 2013 Table 1C GILs, Marine Waters											0.001		1.3				7		15	

Report	Sample Code	Borehole	Location	Depth	Date																				
					Min	4.9	343		0.018		0.25		0.01		0.5		0.002		0.5		0.013		0.5		5
					50th Percentile	6.485	16200		0.525		0.9		0.025		0.5		0.0315		2		0.338		12.5		42
					80th Percentile	6.86	19600		0.96		1.5		0.08		1.8		0.0518		3		0.485		22		72.4
					90th percentile	7.035	22200		1.1		1.76		0.155		3.8		0.056		3.8		0.6328		26.5		84.8
					95th percentile	7.175	23970		1.325		2.12		0.8		5		0.0581		4		0.768		29.5		88
					Outlier test				1.86		2.85		0.1375		1.75		0.096625		8		0.90875		40		138.25



Clyde Zone 3 - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Manganese (filtered)	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.01		0.005	0.91	0.1	0.05					0.001		1		0.001	1		1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)											0.001		1.3						
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5				0.3	0.03													
NEPM 2013 Table 1C GILs, Marine Waters											0.001		1.3			7		15	

Report	Sample Code	Borehole	Location	Depth	Date																			
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH057_w		Clyde Zone 3 / Dive	Deep	12 Nov 2019	7.25	6490	2.3	2.3	2.4	2.4	0.04	0.04	17	17	0.004	0.004	<1	0.5	0.658	2	2	<5	2.5
Epic GWMP/DSI	301795-7	SMW_ADD_BH02	Clyde Zone 3 / Dive	Deep	28 Jul 2022	5.8	4200	0.43	0.43	1.4	1.4	0.07	0.07	<1	0.5	5		260	260	0.19	200	200	790	790
Epic GWMP/DSI	300573-4	SMW_BH057_w	Clyde Zone 3 / Dive	Deep	15 Jul 2022		5,400	2.3	2.3	2.4	2.4	<0.05	0.025	3	3			<1	0.5	0.64	16	16	4	4
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH057_S		Clyde Zone 3 / Dive	Shallow	12 Nov 2019	6.98	366	<0.01	0.005	0.3	0.3	0.09	0.09	<1	0.5	0.003	0.003	<1	0.5	0.495	1	1	<5	2.5
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV010		Clyde Zone 3 / Dive	Shallow	12 Nov 2019	7.12	540	5.8	5.8	6.6	6.6	0.14	0.14	49		0.001	0.001	<1	0.5	0.359	<1	0.5	<5	2.5
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH064		Clyde Zone 3 / Dive	Shallow	13 Nov 2019	6.17	3410	0.16	0.16	0.2	0.2	0.02	0.02	<1	0.5	0.07		<1	0.5	0.376	49		278	
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV077		Clyde Zone 3 / Dive	Shallow	13 Nov 2019	6.73	13000	0.15	0.15	<0.2	<0.2	0.04	0.04	<1	0.5	0.011	0.011	<1	0.5	0.143	3	3	18	18
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV078		Clyde Zone 3 / Dive	Shallow	13 Nov 2019	7.3	13900	1.13	1.13	1.8	1.8	0.09	0.09	<1	0.5	0.012	0.012	<1	0.5	0.849	6	6	15	15
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV009_W		Clyde Zone 3 / Dive	Shallow	21 Nov 2019	7.43	620	6.35	6.35	7.9	7.9	0.64		2	2	<0.001	0.0005	<1	0.5	0.83	<1	0.5	<5	2.5
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV011_W		Clyde Zone 3 / Dive	Shallow	21 Nov 2019	6.46	673	3.32	3.32	5.1	5.1	0.03	0.03	13		0.014	0.014	<1	0.5	1.19	7	7	15	15
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV076		Clyde Zone 3 / Dive	Shallow	26 Nov 2019	7.58	14900	1.07	1.07	1.5	1.5	<0.02	0.01	2	2	0.006	0.006	2	2	0.618	<1	0.5	<5	2.5
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV039_w		Clyde Zone 3 / Dive	Shallow	29 Nov 2019	6.95	25800	1.19	1.19	1.7	1.7	0.12	0.12	<10	5	0.028	0.028	<10		1.46	<10	5	<50	25
1791865-023-R-GWMR Stage 2 Rev1	SMW_BH043		Clyde Zone 3 / Dive	Shallow	20 Aug 2020	7.55	1440	0.03	0.03	0.8	0.8	0.02	0.02	<1	0.5	0.001	0.001	1	1	1.23	1	1	10	10
Epic GWMP/DSI	298220-1	CZ3b_MW02	Clyde Zone 3 / Dive	Shallow	16 Jun 2022	6.2	6,300	0.075	0.075	1.2	1.2	0.1	0.1	<1	0.5			2	2		110		190	
Epic GWMP/DSI	298995-1	CZ3b_MW01	Clyde Zone 3 / Dive	Shallow	23 Jun 2022	5.4	350	0.036	0.036					<1	0.5			4	4		4	4	25	25
Epic GWMP/DSI	298995-2	CZ3b_MW02	Clyde Zone 3 / Dive	Shallow	23 Jun 2022	5.9	7,400	0.092	0.092					<1	0.5			2	2		100		210	
Epic GWMP/DSI	300335-1	CZ3b_MW03	Clyde Zone 3 / Dive	Shallow	13 Jul 2022	6.6	7,900	0.23	0.23	0.4	0.4	<0.05	0.025	<1	0.5			3	3		5	5	16	16
Epic GWMP/DSI	300470-5	SMW_ENV039	Clyde Zone 3 / Dive	Shallow	14 Jul 2022		24,000	0.79	0.79	0.9	0.9	<0.05	0.025	4	4			1	1	1.6	2	2	5	5
Epic GWMP/DSI	300573-3	SMW_BH057_s	Clyde Zone 3 / Dive	Shallow	15 Jul 2022		1,100	0.16	0.16	0.4	0.4	<0.05	0.025	2	2			<1	0.5	1.4	2	2	4	4
Epic GWMP/DSI	300679-1	SMW_ENV010	Clyde Zone 3 / Dive	Shallow	18 Jul 2022		940	4.1	4.1	5.5	5.5	0.07	0.07	20				2	2	1.3	8	8	4	4
Epic GWMP/DSI	300679-2	SMW_ENV009	Clyde Zone 3 / Dive	Shallow	18 Jul 2022		830	9.9		13		0.4		5	5			<1	0.5	0.96	2	2	<1	0.5

Yellow highlights indicate transformed data
 Red highlights indicate outliers which have been removed.

	Number of samples	Number of detects	No of non detects	Percentage of non detects	Max	Mean	Min	50th Percentile	80th Percentile	90th percentile	95th percentile	Outlier test
Deep	2	3	0	0%	7.25	6.525	5.8	6.525	6.96	7.105	7.1775	7662.5
	3	3	0	0%	2.3	1.677	0.43	2.3	2.3	2.3	2.3	3.7025
	3	3	0	0%	2.4	2.067	1.4	2.4	2.4	2.4	2.4	3.15
	3	2	1	33%	0.07	0.045	0.025	0.04	0.058	0.064	0.067	0.08875
	3	2	1	33%	17	6.833	0.5	3	11.4	14.2	15.6	22.375
	2	2	0	0%	5	0.004	0.004	0.004	0.004	0.004	0.004	0.004
	3	3	2	67%	260	87.000	0.5	0.5	156.2	208.1	234.1	324.875
	3	3	0	0%	0.658	0.496	0.19	0.640	0.651	0.654	0.656	1
	3	3	0	0%	200	72.667	2	16	126.4	163.2	181.6	256.5
	3	3	0	0%	790	265.500	2.5	4	475.6	632.8	711.4	987.625
Shallow	14	18	0	0%	7.58	6.84	6.84	7.352	7.514	7.5605		31876
	18	17	1	6%	9.9	8.58425	0.005	0.23	4.78	5.91		8.58425
	16	15	1	6%	13	12.55	0.2	1.35	6.27	7.055		12.55
	16	12	4	25%	0.64	0.035	0.01	0.035	0.114	0.127		0.2125
	18	8	10	56%	49	11.75	0.5	0.5	4.6	5		11.75
	10	9	1	10%	0.07	0.029	0.001	0.006	0.017	0.022		0.029
	18	14	4	56%	4	4.25	0.5	0.5	2.4	3.2		4.25
	14	14	0	0%	1.6	2.420875	0.143	0.9045	1.442	1.509		2.420875
	18	14	4	22%	110	16	0.5	5.2	6.6	7.3		16
	18	12	6	33%	278	45.625	0.5	16.4	22.2	25		45.625

Clyde Zone 4, 5b and 6 - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrate (as N) (filtered)	Nitrate (as N) (filtered)	Nitrogen (Total)	Nitrogen (Total)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Reactive Phosphorus as P (Orthophosphate as P) (filtered)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Manganese (filtered)	Nickel (filtered)
	-	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	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L
LOR	0.01	5	0.005				0.1		0.005		0.05				0.001		1		0.001	1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.91												0.001		1.3			70
PFAS NEMP 2020 Interim Marine 99%																				
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5						0.3		0.005		0.03									
NEPM 2013 Table 1C GILs, Marine Waters															0.001		1.3			7

Report	Sample Code	Borehole	Location	Depth	Date																			
<div style="border: 1px solid black; padding: 5px;"> <p>Red highlights indicate outliers which have been removed.</p> </div>					Percentage of non detects	0%	0%		2%		51%		2%		81%		50%		44%		13%		60%	0%
					Max	8.5	24000		22		1		22		0.096		1.9		83		0.09		10	1.44
					Mean	6.369	6427.563		1.554		0.047		3.297		0.006		0.049		2.088		0.023		1.012	0.545
					Min	4.57	580		0.013		0.0025		0.1		0.0025		0.01		0.5		0.0005		0.5	0.033
					50th Percentile	6.3	4385		0.355		0.01		0.65		0.0025		0.025		0.5		0.015		0.5	0.4485
					80th Percentile	7	11120		2.288		0.04		8.26		0.005		0.092		3		0.0342		2	0.976
					90th percentile	7.164	14300		6.19		0.068		10.7		0.01		0.1		6.1		0.0609		2	1.095
					95th percentile	7.238	18430		7.27		0.0938		12.85		0.014		0.1		7.1		0.07355		3	1.4
					Outlier test	#REF!	22025		4.27875		0.05875		13.4375		0.00875		0.1625		4.25		0.082		1.75	2.19275

Clyde Zone 4, 5b and 6 - Baseline Trigger Derivation

Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
µg/L	µg/L	µg/L
LOR	1	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	8	
PFAS NEMP 2020 Interim Marine 99%		
ANZECC 2000 SE Aust Triggers - Estuaries		
NEPM 2013 Table 1C GILs, Marine Waters	15	

Report	Sample Code	Borehole	Location	Depth	Date	Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
SMW - CAR - Downer EDI, Unwin Sit & Rosehill	SMW_ENV083		Clyde Zone 4w/6	Shallow	14 Feb 2020	11	91	91
SMW - CAR - Downer EDI, Unwin Sit & Rosehill	SMW_ENV084		Clyde Zone 4w/6	Shallow	14 Feb 2020	10	40	40
SMW - CAR - Downer EDI, Unwin Sit & Rosehill	SMW_ENV087		Clyde Zone 5b	Shallow	14 Feb 2020	56	56	56
SMW - CAR - Downer EDI, Unwin Sit & Rosehill	SMW_ENV088		Clyde Zone 5b	Shallow	14 Feb 2020	14	21	21
SMW - CAR - Downer EDI, Unwin Sit & Rosehill	SMW_ENV089		Clyde Zone 5b	Shallow	14 Feb 2020	11	18	18
SMW - CAR - Downer EDI, Unwin Sit & Rosehill	SMW_ENV090_D		Clyde Zone 5b	Shallow	16 Mar 2020	5	40	40
SMW - CAR - Downer EDI, Unwin Sit & Rosehill	SMW_ENV090_S		Clyde Zone 5b	Shallow	16 Mar 2020	1	<5	2.5
GDP Factual Contam	ES2136472	SMW_ENV284	Clyde Zone 4w/6	Shallow	11 Oct 2021	52	52	52
GDP Factual Contam	ES2137931	SMW_ENV293	Clyde Zone 4w/6	Shallow	20 Oct 2021	4	<5	2.5
GDP Factual Contam	ES2137931	SMW_WTP_BH18	Clyde Zone 4w/6	Shallow	20 Oct 2021	16	54	54
GDP Factual Contam	ES2201473	SMW_ENV282	Clyde Zone 4w/6	Shallow	17 Jan 2022	3	24	24
GDP Factual Contam	ES2201473	SMW_ENV283_s	Clyde Zone 4w/6	Shallow	17 Jan 2022	2	17	17
GDP Factual Contam	ES2202507	SMW_ENV287	Clyde Zone 4w/6	Shallow	24 Jan 2022	64	64	64
Epic GWMP/DSI	300546-1	SMW_ENV293	Clyde Zone 4w/6	Shallow	13 Jul 2022	7	6	6
Epic GWMP/DSI	300546-2	SMW_WTP_BH18	Clyde Zone 4w/6	Shallow	13 Jul 2022	8	23	23
Epic GWMP/DSI	301190-1	SMW_ENV083	Clyde Zone 4w/6	Shallow	22 Jul 2022	9	24	24
Epic GWMP/DSI	301190-2	SMW_ENV089	Clyde Zone 5b	Shallow	22 Jul 2022	0.5	<1	0.5
Epic GWMP/DSI	301190-3	SMW_ENV088	Clyde Zone 5b	Shallow	22 Jul 2022	2	35	35
Epic GWMP/DSI	303849-2	SMW_ENV087	Clyde Zone 5b	Shallow	23 Aug 2022	11	42	42
Epic GWMP/DSI	303849-3	SMW_ENV088	Clyde Zone 5b	Shallow	23 Aug 2022	2	23	23
Epic GWMP/DSI	303849-4	SMW_ENV089	Clyde Zone 5b	Shallow	23 Aug 2022	0.5	2	2
Epic GWMP/DSI	305970-1	CZ5_MW22	Clyde Zone 5b	Shallow	15 Sep 2022	0.5	1	1
Epic GWMP/DSI	305970-5	CZ5_MW26	Clyde Zone 5b	Shallow	15 Sep 2022	0.5	3	3
Epic GWMP/DSI	306161-1	CZ5_MW23	Clyde Zone 5b	Shallow	19 Sep 2022	1	3	3
Epic GWMP/DSI	306161-2	SMW_ENV089	Clyde Zone 5b	Shallow	19 Sep 2022	0.5	2	2
Epic GWMP/DSI	306161-3	SMW_ENV087	Clyde Zone 5b	Shallow	19 Sep 2022	24	24	24
Epic GWMP/DSI	306496-3	CZ5_MW25	Clyde Zone 5b	Shallow	23 Sep 2022	3	23	23
Epic GWMP/DSI	306496-4	SMW_ENV088	Clyde Zone 5b	Shallow	23 Sep 2022	17	60	60
Epic GWMP/DSI	306375-9	CZ5_MW24	Clyde Zone 5b	Shallow	26 Sep 2022	4	4	4
Epic GWMP/DSI	306787-1	CZ6_MW02	Clyde Zone 4w/6	Shallow	27 Sep 2022	15	47	47
Epic GWMP/DSI	306916-1	CZ6_MW03	Clyde Zone 4w/6	Shallow	28 Sep 2022	4	36	36
Epic GWMP/DSI	306916-2	CZ6_MW04	Clyde Zone 4w/6	Shallow	28 Sep 2022	7	40	40
Epic GWMP/DSI	306917-1	CZ4_MW10	Clyde Zone 4w/6	Shallow	28 Sep 2022	6	31	31
Epic GWMP/DSI	306966-1	CZ4_MW05	Clyde Zone 4w/6	Shallow	29 Sep 2022	0.5	4	4
Epic GWMP/DSI	306966-2	CZ4_MW06	Clyde Zone 4w/6	Shallow	29 Sep 2022	2	140	140
Epic GWMP/DSI	306966-5	CZ4_MW07	Clyde Zone 4w/6	Shallow	29 Sep 2022	4	40	40
Epic GWMP/DSI	307429-1	CZ4w_MW04	Clyde Zone 4w/6	Shallow	05 Oct 2022	0.5	10	10
Epic GWMP/DSI	307739-1	SMW_ENV083	Clyde Zone 4w/6	Shallow	10 Oct 2022	8	24	24
Epic GWMP/DSI	308537-1	CZ4w_MW08	Clyde Zone 4w/6	Shallow	19 Oct 2022	9	42	42
Epic GWMP/DSI	308538-1	CZ6_MW07	Clyde Zone 4w/6	Shallow	19 Oct 2022	11	37	37
Epic GWMP/DSI	308538-1	CZ6_MW07	Clyde Zone 4w/6	Shallow	19 Oct 2022			
Epic GWMP/DSI	308538-2	CZ6_MW05	Clyde Zone 4w/6	Shallow	19 Oct 2022	3	9	9
Epic GWMP/DSI	308538-2	CZ6_MW05	Clyde Zone 4w/6	Shallow	19 Oct 2022			
Epic GWMP/DSI	308538-4	SMW_ENV283_s	Clyde Zone 4w/6	Shallow	19 Oct 2022	4	21	21
Epic GWMP/DSI	310891-4	CZ4_MW11	Clyde Zone 4w/6	Shallow	17 Nov 2022	2	11	11
Epic GWMP/DSI	310891-5	CZ4_MW12	Clyde Zone 4w/6	Shallow	17 Nov 2022	0.5	<1	0.5
Epic GWMP/DSI	310891-6	CZ4_MW13	Clyde Zone 4w/6	Shallow	17 Nov 2022	2	24	24
Epic GWMP/DSI	310891-7	CZ4_MW15	Clyde Zone 4w/6	Shallow	17 Nov 2022	4	39	39
Epic GWMP/DSI	314602-1	SMW_ENV083	Clyde Zone 4w/6	Shallow	16 Jan 2023	8	21	21
Epic GWMP/DSI	314907-2	CZ6_MW05	Clyde Zone 4w/6	Shallow	20 Jan 2023	0.5	3	3

Shallow	Number of samples	48	48
	Number of detects	39	44
	No of non detects	9	4

Yellow hiehlights indicate transformed data

Clyde Zone 4, 5b and 6 - Baseline Trigger Derivation

Nickel (filtered)	Zinc (filtered)	Zinc (filtered)
µg/L	µg/L	µg/L

LOR			
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)		1	
PFAS NEMP 2020 Interim Marine 99%		8	
ANZECC 2000 SE Aust Triggers - Estuaries			
NEPM 2013 Table 1C GILs, Marine Waters		15	

Report	Sample Code	Borehole	Location	Depth	Date		
<div style="border: 1px solid black; padding: 5px;"> <p>Red highlights indicate outliers which have been removed.</p> </div>					Percentage of non detects	19%	8%
					Max	34	140
					Mean	5.330	25.468
					Min	0.5	0.5
					50th Percentile	4	23
					80th Percentile	9.4	40
					90th percentile	11	52.8
					95th percentile	14.85	58.8
					Outlier test	18.5	92.5



Clyde Zone 5a - Baseline Trigger Derivation

	pH (Lab)	Total Dissolved Solids @180°C	Ammonia as N (filtered)	Ammonia as N (filtered)	Nitrogen (Total)	Nitrogen (Total)	Phosphorus	Phosphorus	Arsenic (filtered)	Arsenic (filtered)	Cobalt (filtered)	Cobalt (filtered)	Copper (filtered)	Copper (filtered)	Manganese (filtered)	Manganese (filtered)	Nickel (filtered)	Nickel (filtered)	Zinc (filtered)
	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L
LOR	0.01	5	0.005		0.1		0.05				0.001		1		0.001		1		1
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)			0.91								0.001		1.3				70		8
PFAS NEMP 2020 Interim Marine 99%																			
ANZECC 2000 SE Aust Triggers - Estuaries	7-8.5				0.3	0.3	0.03												
NEPM 2013 Table 1C GILs, Marine Waters											0.001		1.3				7		15

Report	Sample Code	Borehole	Location	Depth	Date	7.64	13600	0.09	0.09	<0.2	0.1	<0.02	0.01	1	1	0.002	0.002	<1	0.5	0.071	0.071	1	1	<5
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV151		Clyde Zone 5	Shallow	20 Sep 2019	7.64	13600	0.09	0.09	<0.2	0.1	<0.02	0.01	1	1	0.002	0.002	<1	0.5	0.071	0.071	1	1	<5
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV045		Clyde Zone 5	Shallow	20 Sep 2019	7.13	18000	1.69	1.69	2.3	2.3	0.03	0.03	3	3	0.014	0.014	2	2	0.429	0.429	7	7	18
1791865-023-R-GWMR Stage 2 Rev1	SMW_ENV146		Clyde Zone 5	Shallow	23 Sep 2019	6.96	26100	0.1	0.1	<0.5	0.25	<0.05	0.025	<10	5	0.014	0.014	<10	5	0.6	0.6	11	11	<50
GDP Factual Contam	ES2201771	SMW_ENV220	Clyde Zone 5	Shallow	18 Jan 2022	6.17	22,400	6.79	6.79	6.9	6.9	0.11	0.11	4	4	0.283	0.283	<1	0.5	1.35	1.35	20	20	37900
GDP Factual Contam	ES2203272	SMW_ENV219	Clyde Zone 5	Shallow	31 Jan 2022	6.94	20,700	0.67	0.67	0.6	0.6	0.21	0.21	<10	5	0.067	0.067	<10	5	1.49	1.49	19	19	461
GDP Factual Contam	ES2203231	SMW_ENV272	Clyde Zone 5	Shallow	01 Feb 2022	6.28	4920	1.6	1.6	8.2	8.2	0.12	0.12	2	2	0.005	0.005	<1	0.5	0.44	0.44	2	2	37
GDP Factual Contam	ES2203231	SMW_ENV280	Clyde Zone 5	Shallow	01 Feb 2022	6.26	6720	1.25	1.25	5	5	0.1	0.1	9	9	0.014	0.014	<1	0.5	1.36	1.36	1	1	12
GDP Factual Contam	ES2203726	SMW_ENV218	Clyde Zone 5	Shallow	03 Feb 2022	7.77	1880	0.06	0.06	1.1	1.1	0.04	0.04	<1	0.5	<0.001	0.0005	9	9	0.05	0.05	2	2	6
GDP Factual Contam	ES2203726	SMW_ENV276	Clyde Zone 5	Shallow	03 Feb 2022	7.14	13,700	1.05	1.05	2.2	2.2	0.19	0.19	5	5	0.035	0.035	<1	0.5	0.969	0.969	9	9	14
GDP Factual Contam	ES2204649	SMW_ENV201	Clyde Zone 5	Shallow	10 Feb 2022	7.59	7750	0.69	0.69	1.4	1.4	1.31	1.31	4	4	<0.001	0.0005	<1	0.5	4.9	4.9	2	2	<5
GDP Factual Contam	ES2204649	SMW_ENV202	Clyde Zone 5	Shallow	10 Feb 2022	6.78	2120	0.47	0.47	1.3	1.3	0.02	0.02	<1	0.5	0.005	0.005	<1	0.5	4.54	4.54	64	64	36
Epic GWMP/DSI	300003-1	SMW_ENV201	Clyde Zone 5	Shallow	07 Jul 2022	7	3,900	0.29	0.29	1.6	1.6	0.09	0.09	<1	0.5			2	2			10	10	9
Epic GWMP/DSI	300003-2	SMW_ENV202	Clyde Zone 5	Shallow	07 Jul 2022	7	950	0.074	0.074	0.9	0.9	<0.05	0.025	<1	0.5			2	2			82	82	11
Epic GWMP/DSI	300003-4	SMW_ENV272	Clyde Zone 5	Shallow	07 Jul 2022	6	3,200	3.7	3.7	9.2	9.2	<0.05	0.025	1	1			2	2			4	4	71
Epic GWMP/DSI	300003-5	SMW_ENV279	Clyde Zone 5	Shallow	07 Jul 2022	5.5	15,000	0.87	0.87	2.8	2.8	<0.05	0.025	12	12			<1	0.5			15	15	63
Epic GWMP/DSI	300003-6	SMW_ENV280	Clyde Zone 5	Shallow	07 Jul 2022	5.9	15,000	0.83	0.83	2.1	2.1	<0.05	0.025	4	4			<1	0.5			22	22	23
Epic GWMP/DSI	300470-1	SMW_ENV045	Clyde Zone 5	Shallow	14 Jul 2022	6.1	2,700	0.39	0.39	0.9	0.9	0.1	0.1	4	4			5	5	0.11	0.11	2	2	43
Epic GWMP/DSI	302643-1	SMW_ENV219	Clyde Zone 5	Shallow	08 Aug 2022	6.1	9,000	1.6	1.6	3.2	3.2	<0.05	0.025	3	3			<1	0.5	0.43	0.43	21	21	210
Epic GWMP/DSI	302643-5	SMW_ENV220	Clyde Zone 5	Shallow	08 Aug 2022	6.3	9,600	4.7	4.7	7.3	7.3	<0.05	0.025	7	7			<1	0.5	1	1	18	18	7400
Epic GWMP/DSI	302643-8	SMW_ENV218	Clyde Zone 5	Shallow	08 Aug 2022	7.4	960	0.061	0.061	0.2	0.2	<0.05	0.025	2	2			<1	0.5	0.059	0.059	<1	0.5	11
Epic GWMP/DSI	302827-1	SMW_ENV276	Clyde Zone 5	Shallow	09 Aug 2022	6.5	4,100	7.1	7.1	11	11	<0.05	0.025	5	5			<1	0.5	0.77	0.77	2	2	2
Epic GWMP/DSI	302827-5	SMW_ENV200	Clyde Zone 5	Shallow	09 Aug 2022	6	8,300	0.2	0.2	0.8	0.8	<0.05	0.025	<1	0.5			7	7	0.26	0.26	16	16	32
Epic GWMP/DSI	303621-1	CZ5_MW06	Clyde Zone 5	Shallow	19 Aug 2022	6.9	1,600	0.032	0.032	0.9	0.9	<0.05	0.025	<1	0.5			2	2	0.067	0.067	<1	0.5	49
Epic GWMP/DSI	303621-2	CZ5_MW17	Clyde Zone 5	Shallow	19 Aug 2022	6.2	9,600	0.021	0.021	0.3	0.3	<0.05	0.025	<1	0.5			9	9	0.29	0.29	14	14	93
Epic GWMP/DSI	303849-1	CZ5_MW03	Clyde Zone 5	Shallow	23 Aug 2022	7.2	3,200	18	18	25	25	0.1	0.1	19	19			7	7	0.6	0.6	6	6	17
Epic GWMP/DSI	306161-4	CZ5_MW20	Clyde Zone 5	Shallow	19 Sep 2022	8.3	340	0.28	0.28	0.7	0.7	<0.05	0.025	3	3			1	1	0.009	0.009	<1	0.5	12
Epic GWMP/DSI	306375-1	CZ5_MW21	Clyde Zone 5	Shallow	26 Sep 2022	10.7	1,100	2.3	2.3	4.1	4.1	0.8	0.8	12	12			1	1	0.009	0.009	7	7	18
Epic GWMP/DSI	306375-7	CZ5_MW27	Clyde Zone 5	Shallow	26 Sep 2022	6.7	3,900	0.18	0.18	0.3	0.3	0.1	0.1	2	2			6	6	1.4	1.4	5	5	220
Epic GWMP/DSI	306375-8	CZ5_MW18	Clyde Zone 5	Shallow	26 Sep 2022	6.2	23,000	1.4	1.4	1.8	1.8	<0.1	0.025	7	7			4	4	0.23	0.23	11	11	64
Epic GWMP/DSI	306788-1	CZ5_MW16	Clyde Zone 5	Shallow	27 Sep 2022	6.2	4,000	2.5	2.5	2.8	2.8	<0.05	0.025	12	12			<1	0.5	0.27	0.27	9	9	94
Epic GWMP/DSI	306788-2	CZ5_MW09	Clyde Zone 5	Shallow	27 Sep 2022	6.1	6,600	0.07	0.07	0.1	0.1	<0.05	0.025	<1	0.5			1	1	0.13	0.13	8	8	14
Epic GWMP/DSI	307846-3	CZ5_MW16	Clyde Zone 5	Shallow	11 Oct 2022	6.2	4,100	3.2	3.2	3.5	3.5	<0.05	0.025	11	11			<1	0.5	0.18	0.18	8	8	43
Epic GWMP/DSI	314602-2	CZ5_MW16	Clyde Zone 5	Shallow	16 Jan 2023	6.1	4,300	3.2	3.2	3.4	3.4	0.1	0.1	1	1	0.014	0.014	<1	0.5	0.13	0.13	7	7	22

Yellow highlights indicate transformed data
 Red highlights indicate outliers which have been removed.

Shallow	Number of samples	32	33	33	33	33	33	12	33	28	33
	Number of detects	32	33	33	31	15	23	10	15	28	30
	No of non detects	0	0	0	2	18	10	2	18	0	3
	Percentage of non detects	0%	0%	0%	6%	55%	30%	17%	55%	0%	9%
	Max	10.7	26100	18	25	1.31	19	0.283	9	4.9	82
	Mean	6.8	8252.7	1.1	2.0	0.1	3.2	0.0	2.4	0.5	8.4
	Min	5.5	340	0.021	0.1	0.01	0.5	0.0005	0.5	0.009	0.5
	50th Percentile	6.6	4920	0.68	1.4	0.025	3	0.0095	1	0.28	7
	80th Percentile	7.188	14480	1.812	3.28	0.1	5	0.014	5	0.969	15
	90th percentile	7.635	20160	3.2	4.28	0.111	7	0.0161	6.8	1.355	19
	95th percentile	8.0085	22640	3.475	6.14	0.1585	8.2	0.02555	7.8	1.39	20.5
	Outlier test	#REF!	#REF!	5.16625	7.6	0.2125	11	0.0425	11.125	2.2575	33.875



Clyde Zone 5a - Baseline Trigger Derivation

Zinc (filtered)
µg/L

LOR	
ANZG Marine Water Toxicant DGVs LOSP 95% (July 2023)	
PFAS NEMP 2020 Interim Marine 99%	
ANZECC 2000 SE Aust Triggers - Estuaries	
NEPM 2013 Table 1C GILs, Marine Waters	

Report	Sample Code	Borehole	Location	Depth	Date	
1791865-023-R-GWMR Stage 2 Rev1		SMW_ENV151	Clyde Zone 5	Shallow	20 Sep 2019	2.5
1791865-023-R-GWMR Stage 2 Rev1		SMW_ENV045	Clyde Zone 5	Shallow	20 Sep 2019	18
1791865-023-R-GWMR Stage 2 Rev1		SMW_ENV146	Clyde Zone 5	Shallow	23 Sep 2019	25
GDP Factual Contam	ES2201771	SMW_ENV220	Clyde Zone 5	Shallow	18 Jan 2022	
GDP Factual Contam	ES2203272	SMW_ENV219	Clyde Zone 5	Shallow	31 Jan 2022	
GDP Factual Contam	ES2203231	SMW_ENV272	Clyde Zone 5	Shallow	01 Feb 2022	37
GDP Factual Contam	ES2203231	SMW_ENV280	Clyde Zone 5	Shallow	01 Feb 2022	12
GDP Factual Contam	ES2203726	SMW_ENV218	Clyde Zone 5	Shallow	03 Feb 2022	6
GDP Factual Contam	ES2203726	SMW_ENV276	Clyde Zone 5	Shallow	03 Feb 2022	14
GDP Factual Contam	ES2204649	SMW_ENV201	Clyde Zone 5	Shallow	10 Feb 2022	2.5
GDP Factual Contam	ES2204649	SMW_ENV202	Clyde Zone 5	Shallow	10 Feb 2022	36
Epic GWMP/DSI	300003-1	SMW_ENV201	Clyde Zone 5	Shallow	07 Jul 2022	9
Epic GWMP/DSI	300003-2	SMW_ENV202	Clyde Zone 5	Shallow	07 Jul 2022	11
Epic GWMP/DSI	300003-4	SMW_ENV272	Clyde Zone 5	Shallow	07 Jul 2022	71
Epic GWMP/DSI	300003-5	SMW_ENV279	Clyde Zone 5	Shallow	07 Jul 2022	63
Epic GWMP/DSI	300003-6	SMW_ENV280	Clyde Zone 5	Shallow	07 Jul 2022	23
Epic GWMP/DSI	300470-1	SMW_ENV045	Clyde Zone 5	Shallow	14 Jul 2022	43
Epic GWMP/DSI	302643-1	SMW_ENV219	Clyde Zone 5	Shallow	08 Aug 2022	
Epic GWMP/DSI	302643-5	SMW_ENV220	Clyde Zone 5	Shallow	08 Aug 2022	
Epic GWMP/DSI	302643-8	SMW_ENV218	Clyde Zone 5	Shallow	08 Aug 2022	11
Epic GWMP/DSI	302827-1	SMW_ENV276	Clyde Zone 5	Shallow	09 Aug 2022	2
Epic GWMP/DSI	302827-5	SMW_ENV200	Clyde Zone 5	Shallow	09 Aug 2022	32
Epic GWMP/DSI	303621-1	CZ5_MW06	Clyde Zone 5	Shallow	19 Aug 2022	49
Epic GWMP/DSI	303621-2	CZ5_MW17	Clyde Zone 5	Shallow	19 Aug 2022	93
Epic GWMP/DSI	303849-1	CZ5_MW03	Clyde Zone 5	Shallow	23 Aug 2022	17
Epic GWMP/DSI	306161-4	CZ5_MW20	Clyde Zone 5	Shallow	19 Sep 2022	12
Epic GWMP/DSI	306375-1	CZ5_MW21	Clyde Zone 5	Shallow	26 Sep 2022	18
Epic GWMP/DSI	306375-7	CZ5_MW27	Clyde Zone 5	Shallow	26 Sep 2022	
Epic GWMP/DSI	306375-8	CZ5_MW18	Clyde Zone 5	Shallow	26 Sep 2022	64
Epic GWMP/DSI	306788-1	CZ5_MW16	Clyde Zone 5	Shallow	27 Sep 2022	94
Epic GWMP/DSI	306788-2	CZ5_MW09	Clyde Zone 5	Shallow	27 Sep 2022	14
Epic GWMP/DSI	307846-3	CZ5_MW16	Clyde Zone 5	Shallow	11 Oct 2022	43
Epic GWMP/DSI	314602-2	CZ5_MW16	Clyde Zone 5	Shallow	16 Jan 2023	22

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Red highlights indicate outliers which have been removed.

Shallow		
	Number of samples	33
	Number of detects	30
	No of non detects	3
	Percentage of non detects	9%
	Max	37900
	Mean	30.1
	Min	2
	50th Percentile	20
	80th Percentile	46.6
	90th percentile	66.1
	95th percentile	85.3
	Outlier test	140.625