PANORAMIC
RESOURCES LTD

Savannah Nickel Mines Pty Ltd

Savannah Nickel Project

Annual Environmental Report

01 July 2024 to 30 June 2025



Reporting Period	1 July 2024 – 30 June 2025
Tenements (Mining)	M80/179, M80/180, M80/181 and Miscellaneous Licence L80/64.
Owners	Panoramic Resources Ltd
Operators	Savannah Nickel Mines Pty Ltd
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OVERVIEW

This Annual Environmental Report (AER) has been prepared to comply with Condition 4.2.1 listed in Department of Water and Environmental Regulation (DWER) Operating Licence L7967/2003/6 for the reporting period 1st July 2024 to 30th June 2025.

Savannah Nickel Project (the Project) comprises a nickel/cobalt/copper mine located approximately 120 kilometres (km) north of Halls Creek in Western Australia (WA). It is associated with the Wyndham Port, located 260 km north of the mine site along Great Northern Highway, and the Copernicus Nickel Project, approximately 50 km south-east of the Project (Figure 2). Savannah Nickel Mines Pty Ltd (SNM or Savannah), a subsidiary of Panoramic Resources Limited (Panoramic), is the licensee and occupier of the mine site. Cambridge Gulf Pty Ltd owns and operates the Wyndham Port. The Copernicus Nickel Mine (also a subsidiary of Panoramic) has ceased operations as of 2016 and is currently under rehabilitation monitoring.

The SNM mine site includes an open pit, underground mine, processing facility, ROM, stockpile areas, offices, workshops, camp facilities and support infrastructure including production bores, bulk diesel storage, a powerhouse, explosives magazine, access roads and haul roads.

Panoramic Resources, of which Savannah Nickel Mines (SNM) is a subsidiary, was placed in voluntary administration in December 2023. In January 2024, the administrators made the decision to put the Savannah Mine into care and maintenance and at this time most of the workforce were made redundant and their employment terminated. A small team of employees were retained on site in a care and maintenance capacity and to assist the administrators with the prospective sale of the company.

Discussions between the administrators and prospective buyers during 2024 culminated in a Deed of Company Arrangement (DOCA) being negotiated with Zeta Resources. The DOCA was executed with Zeta taking full ownership of Panoramic Resources on 24th December 2024. The company structure of Panoramic, including SNM, remains unchanged. The project will continue to be kept in care and maintenance until the global nickel market achieves a price that will allow for sustainable operations.

A Care & Maintenance Plan has been completed, and environmental monitoring and reporting continues as per the conditions outlined in the operating licence.



Figure 1 Savannah Mining Area and Waste Dumps

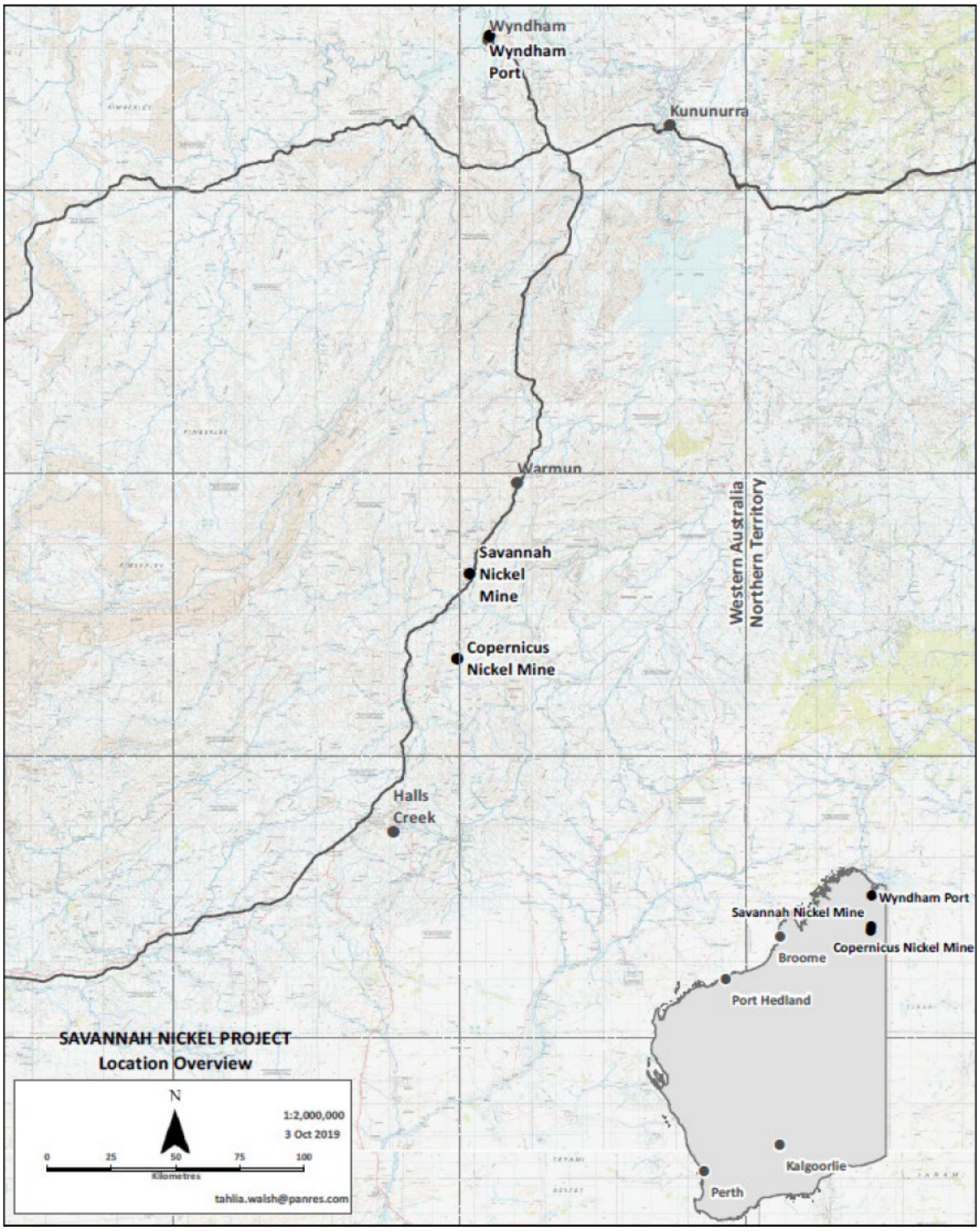


Figure 2 Savannah Project Location Overview

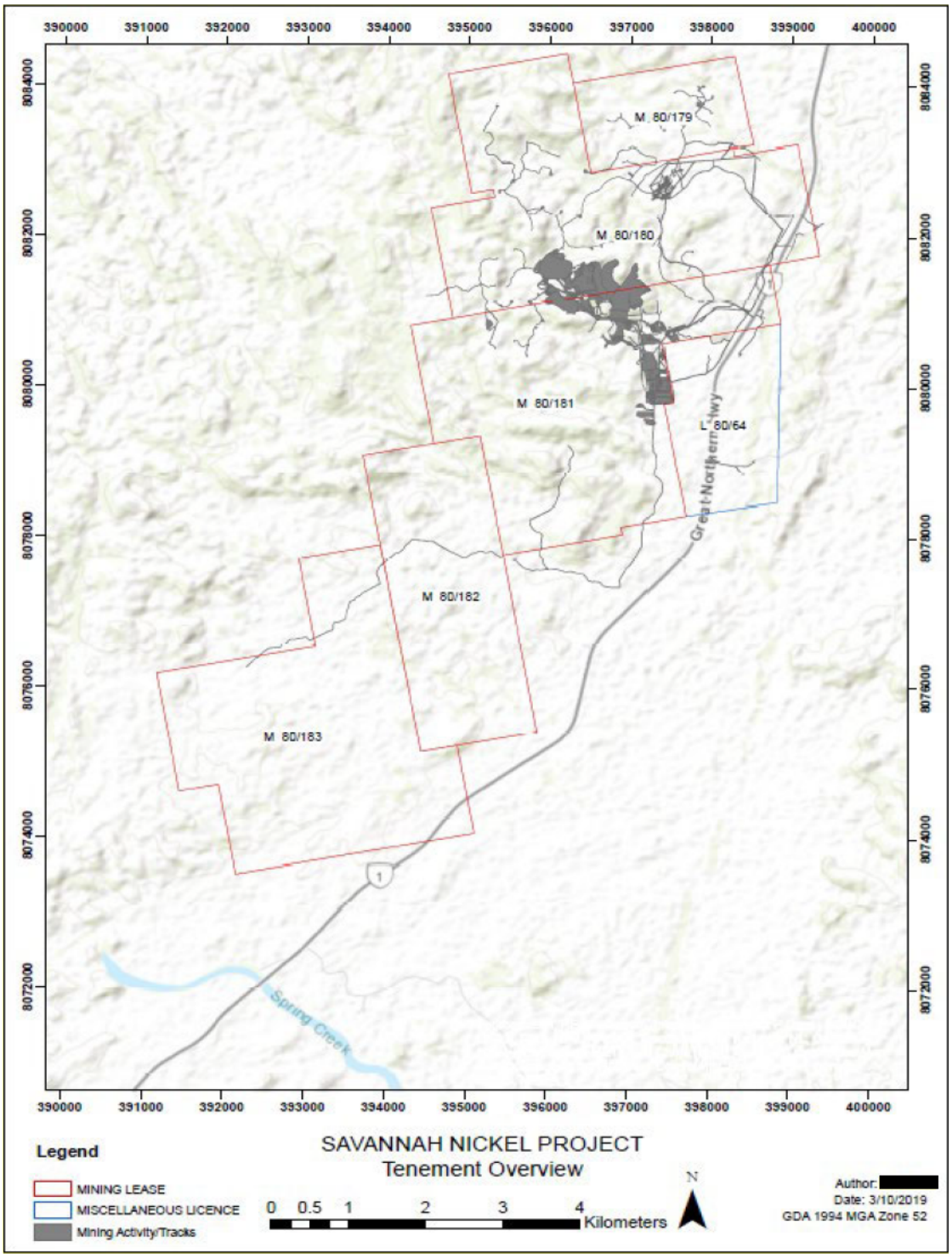


Figure 3 Savannah Project Tenement Overview

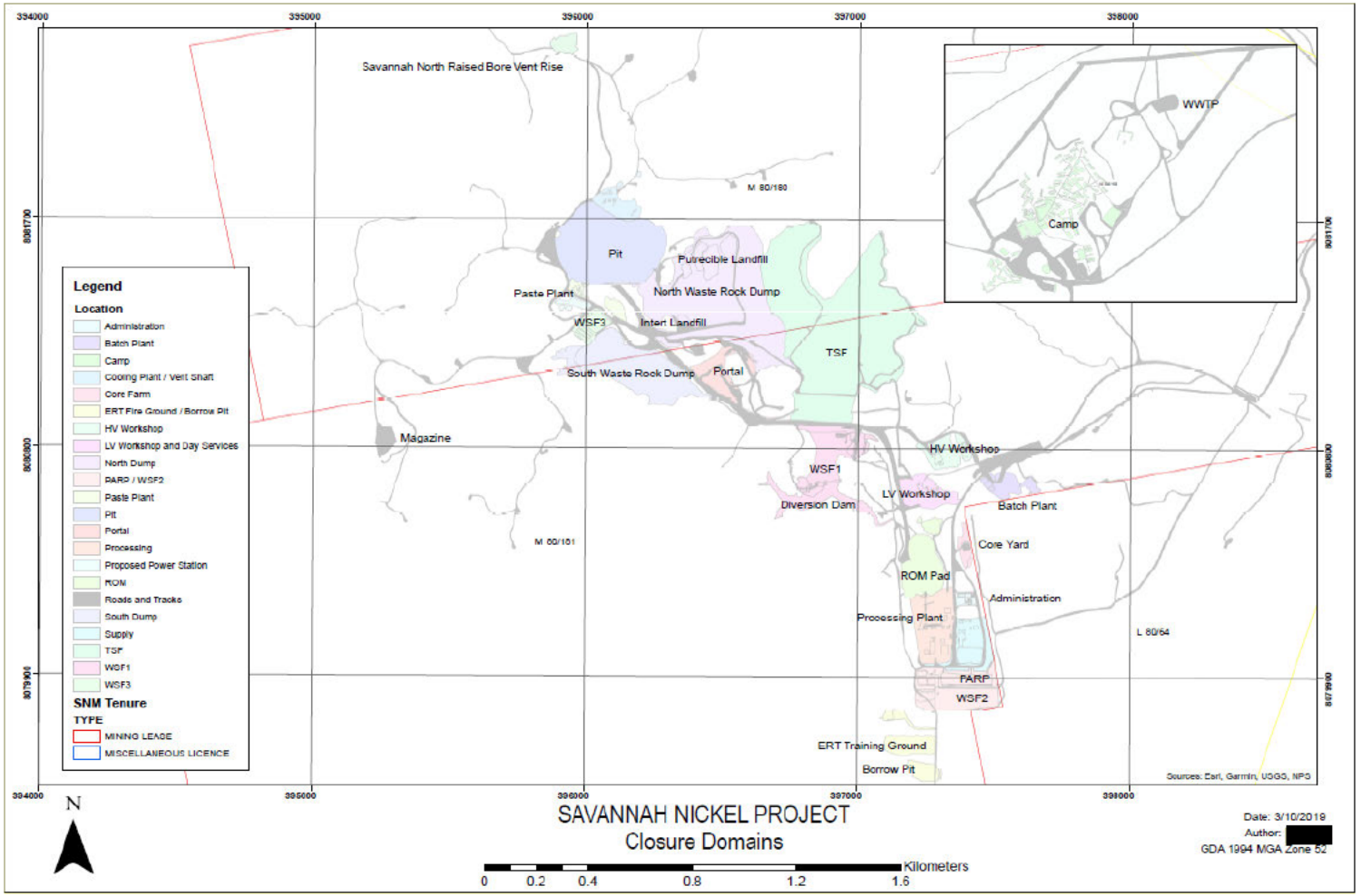


Figure 4 Savannah Project Site Domains

1.1 SUMMARY OF OPERATIONS DURING REPORTING YEAR

In January 2024, due to a depressed nickel price and resultant commercial pressure, the decision was made to cease operations and transition Savannah Mine into care and maintenance.

The Savannah Nickel project will remain in care and maintenance until more favourable market conditions develop.

When operational, ore at Savannah is mined via long-hole open stoping methods. Access to the top and bottom of the ore block is established with tunnels, a slot raise is created, and holes are then drilled to blast vertical slabs off the ore block. Once the ore block has been blasted and extracted, the stopes are filled with paste (tailings and cement mix) to stabilise the void and allow extraction of adjoining ore blocks. Waste material mined is either stockpiled underground or trucked to the surface for storage at the south waste dump.

The process plant at Savannah comprises a single stage crusher, SAG mill, flotation, thickening and filtering stages to produce a bulk nickel, copper, cobalt concentrate. Metallurgical recoveries averaged 76% for Nickel, 89% for Copper, and 76% for Cobalt, when it was running.

The nickel/copper/cobalt concentrate is shipped to Wyndham on road trains and stored in an enclosed shed at the Cambridge Gulf Limited port facility for export.

A licence amendment application to incorporate raising the TSF a further four metres, to 382 mRL, was approved by DWER on 23rd June 2021. This will allow Savannah to continue utilising the existing TSF for approximately 6 years of mine life, when operations resume.

The works for the approved TSF lift commenced in early October 2023 before operations were suspended and the project was transitioned to care and maintenance. 4 (of 8 planned) raises were completed, taking the embankment to a total height of 52 metres. Graded waste rock armouring was put on the final lift to prevent weathering erosion.

During care and maintenance, a team of 7 personnel work a rotating roster, maintaining critical pumping infrastructure for underground dewatering and seepage recovery/management.

All

Table 1 Current Savannah Project Licence L7967/2003/6 Categories

Category Number	Category Description	Category production or design capacity	Approved Premises production or design capacity
5	Processing or beneficiation of metallic or non-metallic ore	50,000 tonnes or more per year	950,000 tonnes per annual period
54	Sewage facility	100 cubic metres or more per day	100 cubic metres or more per day
64	Class II putrescible landfill site	20 tonnes or more per year	10,000 tonnes per annual period

Table 2 Licences and Works Approval History of the Savannah Project

Instrument	Issued	Amendment
W3800/2003/1	W3800/2003/1	W3800/2003/1
L7967/2003/1	2004	New Licence
L7967/2003/2	01/08/2005	New Licence
L7967/2003/3	02/08/2006	New Licence
L7967/2003/4	02/08/2008	New Licence
W4622/2009/1	01/11/2010	Works Approval for TSF lift
L7967/2003/4	21/11/2011	Licence amendment to allow concrete batching onsite.
L7967/2003/4	02/02/2012	Licence amendment to allow emergency response training onsite.
L7967/2003/5	02/08/2012	Licence reissued
W5208/2012/1	03/12/2012	Works Approval for TSF lift
W5208/2012/1	01/08/2013	Works Approval amendment for TSF lift
L7967/2003/5	17/10/2013	Licence amendment to allow new putrescible landfill
L7967/2003/6	01/08/2014	Licence reissue and conversion to new licence format
L7967/2003/6	09/10/2014	Licence amendment to increase category 5 production and design capacity.
W5208/2012/1	27/08/2015	Works Approval amendment to extend the expiry date until the 31/03/2017
L7967/2003/6	18/07/2016	Licence amendment to allow for tyre burial within waste rock dump and to reduce design capacities of premises while during Care and Maintenance.
L7967/2003/6	24/04/2018	Licence Amendment Notice (#1) to change annual period to 1 July – 30 June.
L7967/2003/6	21/12/2018	Licence Amendment Notice (#2) to reinstate the approved premises production and design capacities and include amended conditions for the TSF as recommended during the TSF lift assessment (Works Approval W5208/2012/1), in anticipation of recommencement of production. Removal of category 6 for mine dewatering. Inclusion of an improvement condition to address the elevated Total Nitrogen and Total Phosphorus loading rates at the WWTP irrigation area. A typographical error has also been corrected from Amendment Notice #1, finalised 24 April 2018, where the annual period date has been written as 1 July – 31 June, instead of 1 July - 30 June in the Definitions section.
L7967/2003/6	24/06/2020	Licence amalgamated to include Amendment Notices 1 and 2. Licence also amended to the new licensing format; replaced the existing WWTP with an activated sludge bioreactor, increased in the irrigation area and included additional landfill cells.
L7967/2003/6	22/06/2021	Amendment for TSF lift from 378 to 382mRL and for construction of a spillway.

1.2 PREMISES OPERATION

The following tables outlines the licence requirements contained in Operating Licence L7967/2003/6 – 22/06/2021.

LICENCE CONDITIONS	COMPLIED	DETAILS
1.2.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit in this section.	Yes	
1.2.2 The Licence Holder shall ensure that where waste produced on the Premises are not taken off-site for lawful use or disposal, they are managed according to the requirements in Table 1.2.1.	Yes	- An average of 32.2 m3/day of treated wastewater was discharged to the designated wastewater irrigation field (100m3 approved) - During the reporting year <10,000 tonnes of waste was disposed of by landfilling in on site landfill trenches for inert and putrescible wastes which were created within the area on the Emission Maps in Schedule 1. - Disposal of waste only took place at the approved landfill area at the north dump, as per the map in Schedule 1. - All waste was placed within an area enclosed by earthen bunds. - The tipping area is restricted to a maximum length of 30m. - The separation distance between the base of the landfill and the highest groundwater level is in excess of 3m. - Special Waste Type 1 (asbestos) was not generated during the reporting period. - Where generated, Special Waste Type 2 (Biomedical and Clinical Waste) was transferred offsite. - All controlled waste -removed from site to a licenced controlled waste disposal site using a licenced controlled waste driver. A controlled waste tracking register is used to to record the controlled waste going off site. - When operating, all tailings produced are directed to the Tailings Storage Facility (TSF) or Paste Plant and sent underground as cement stabilised fill.
1.2.3 The Licensee shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table	Yes	- Inert Waste Type 2, including plastic waste with the potential to become windblown, was covered as soon as practicable with 150mm of cover.

1.2.2 and that sufficient stockpiles of cover are maintained on site at all times.		- When required, Special Wastes Type 1 and Type 2 are covered with 300mm of Inert Waste Type 1 or soil as soon as practicable and by the end of the working day in which the asbestos or other waste was deposited. - Putrescible waste was covered weekly where possible. - Stockpiled waste material was made available at all times at the landfill area
1.2.4 The Licensee shall ensure that tailings, decant water, dewater effluent and process water are only discharged into containment cells and/or a water storage facility with the relevant infrastructure requirements and at the locations specified in Table 1.2.3 and identified in Schedule 1.	Yes	- A minimum top of embankment freeboard of 300mm is maintained at the TSF. This is inspected at least daily by Process staff. - The volume of water contained in the TSF decant pond was minimised by preferentially pumping (where possible) to the process water dam for re use. - WSF1 was inspected daily to ensure a minimum freeboard of 500mm. The volume of water within WSF1 was minimised by preferentially pumping (where possible) to WSF 2 and WSF3. - The HDPE liner at WSF2 was inspected daily and maintained to achieve permeability standards and a minimum freeboard of 300mm. - The HD PE liner at WSF3 was inspected daily and maintained to achieve permeability standards and a minimum freeboard of 300mm. - The HDPE liner at the PARP was inspected daily and maintained to achieve permeability standards and a minimum freeboard of 300mm.
1.2.5 The Licensee shall manage the irrigation of treated wastewater such that: (a) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the defined irrigation area(s); b) treated wastewater is evenly distributed over the irrigation area; c) no soil erosion occurs; d) irrigation does not occur on land that is waterlogged; e) vegetation cover is maintained over the irrigation areas identified in Table 2.3.1.	Yes	- The boundary of the wastewater spray field is enclosed by a fence. A graded track is maintained around the fence, including a low earthen bund on the edge of the track to prevent surface water drainage outside the boundary. - The spray field is regularly maintained by trained wastewater treatment plant technicians, whom ensure the integrity of all piping and sprinklers at the facility. - The volume of wastewater released to the spray field is regular and rotated between the sprinklers to prevent waterlogging and ensure an even distribution. - With continual watering of the spray field, the vegetation within the fenced boundary thrives compared to the natural vegetation in adjacent areas.
1.2.6 The Licensee shall ensure that all pipelines containing tailings, decant water, dewater effluent and process water are either:	Yes	- Inspection of all pipelines was undertaken and recorded by the Process/maintenance department during operations. Ongoing inspections and recording was maintained by the care & maintenance team after suspension of operations.

(a) equipped with automatic cut-outs in the event of a pipe failure; or (b) provided with a secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.		- An appropriately sized bund is maintained along tailings pipelines. Some pipelines are encased in a second pipe to provide secondary bunding so that any spills are contained within the second skin bund. Other sections of the tailings pipeline pass through concrete bunds or are contained within a 'V' drain bund. V-drains are present on the steep side of the TSF wall. If a leak were to occur, it would drain down into a containment pond constructed at the base of the TSF. All bunds are maintained as part of general maintenance work programs on the premises. - Monitoring and telemetry is in place for all pipelines containing tailings.
1.2.7 The Licensee shall: (a) undertake inspections as detailed in Table 1.2.4; and (b) maintain a record of all inspections undertaken.	Yes	- The visual integrity of mine dewater pipelines, tailings delivery pipelines, tailings return water pipelines and the internal embankment freeboard at the TSF is undertaken daily and records kept on file at the processing maintenance office.
1.2.8 The Licensee shall ensure the limits specified in Table 1.2.5 are not exceeded.	Yes	- No ore was mined during the reporting period as the project has remained in care and maintenance
1.2.9 The Licence Holder must: (a) construct and/or install the equipment; (b) in accordance with the corresponding installation requirements; and (c) at the corresponding infrastructure location. as set out in Table 1.2.6.	Yes	- 1. Initial installation of the 100 m3/day activated sludge bioreactor (ASBR) WWTP commenced in 2020 but was halted due to suspension of operations. Installation was completed after operations resumed in 2021 and the system commissioned over subsequent months. Handover of the fully commissioned system was accepted by SNM in October 2022. - 2, 3 & 4 refer to the Stage 6 raise of the TSF. Construction of the Stage 6 Lift commenced 1st October 2023 and suspended in December as SNM was put into Administration before transitioning to care & maintenance. The Stage 6 TSF embankment lift will be completed as part of recommissioning when operations resume.
1.2.10 The Licence Holder is authorised to construct an embankment raise for TSF1 to the construction height as specified in Table 1.2.7.	N/A	- Construction of embankment raise not yet completed.
1.2.11 The Licence Holder shall operate the TSF1 in accordance with the conditions of this licence, following submission of the compliance report required under condition 4.2.4	N/A	- Construction of embankment raise not yet completed.

1.2.12 The Licence Holder must submit to the CEO within 3 months of this licence amendment a revised seepage management plan for TSF1 which includes, but is not limited to: (a) review and ground-based investigations of geological and geophysical data; (b) proposed and additional to existing ambient groundwater monitoring bores including justification for the number of bores; and location (also considering risk to hyporheic fauna), as determined by a suitably qualified hydrogeologist; and (c) proposed additional seepage recovery bores including justification for the number of bores and locations (as determined by a suitably qualified hydrogeologist).	Yes	- Initial Draft TSF Management Plan submitted to DWER 20th September 2021. Final version submitted 24th February 2022.
1.2.13 The Licence Holder shall implement the revised seepage management plan at the Premises within 3 months of submission as required by condition 1.2.12.	Yes	- Seepage Management Plan implemented as directed

2. EMISSIONS

2.1 GENERAL

LICENCE CONDITIONS	COMPLIED	DETAILS
2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.	Yes	- Savannah uses MonitorPro 5 software for sampling data maintenance and analysis. An instant alert is sent to nominated persons when a target is exceeded.

2.2 POINT SOURCE EMISSION TO SURFACE WATER

LICENCE CONDITIONS	COMPLIED	DETAILS
2.2.1 The Licensee shall ensure that where waste is emitted to surface water from the emission point in Table 2.2.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.	Yes	- No emissions to surface water occurred during the reporting period.

2.3 EMISSIONS TO LAND

LICENCE CONDITIONS	COMPLIED	DETAILS
2.3.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.3.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.	Yes	- Sampling results from discharge to the 2.4 ha spray irrigation field are presented in Table 5., Section 7.4.7
2.3.2 The Licensee shall not cause or allow emissions to land greater than the limits listed in Table 2.3.2.	Yes	- Oily water is currently transported offsite for processing. - The oil water separation system will be upgraded before E1 is utilised again. - Time frame for upgrading the oil water separation system is currently unavailable. However, these works will commence when operations resume.
2.3.3 The Licence Holder must ensure that treated wastewater is only discharged via irrigation to the specified authorised areas in accordance with the limits specified in Table 2.3.3	Partial	- WWTP operating within expected range (see results in Table 5., Section 7.4.7).

3. MONITORING

3.1 GENERAL MONITORING

LICENCE CONDITIONS	COMPLIED	DETAILS
3.1.1 The Licence Holder shall ensure that: (a) all water sampling is conducted in accordance with AS/NZS 5667.1; (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10; (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and (d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.	Yes	- Due to the remote location of the site and the distance of the nearest NATA accredited laboratory, it is not always possible to transport water samples in a timeframe that meets standard specified holding times. - To address this, where it is possible, samples with a narrow holding time are flown back with Savannah employees and taken directly to the lab.
3.1.2 The Licensee shall ensure that: (a) quarterly monitoring is undertaken at least 45 days apart; and (b) monthly monitoring is undertaken at least 15 days apart.	Yes	- Savannah Nickel Mine conducts all environmental monitoring and sampling to ensure that sample collection, preservation, handling, and transport meet the relevant AS/NZS 5667.11 standards. - A scope of works is in place to ensure quarterly monitoring takes place >45 days apart and monthly monitoring is undertaken at least 15 days apart.
3.1.3 The Licensee shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications.	Yes	- A YSI Professional Plus water quality meter was used for sampling during the reporting period. This unit is regularly calibrated on site for pH, conductivity and dissolved oxygen.

3.1.4 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.	Yes	- NA

3.2 MONITORING OF POINT SOURCE EMISSIONS TO SURFACE WATER

LICENCE CONDITIONS	COMPLIED	DETAILS
3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.	Yes	- No water was discharged from E1 during the 2024/25 reporting period.

3.3 MONITORING OF EMISSIONS TO LAND

LICENCE CONDITIONS	COMPLIED	DETAILS
3.3.1 The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.	Partial	- L1 (Power station OWS) was not sampled during the reporting period due to the triple interceptors not being in use. Due to previously reported exceedance, the system has been drained and isolated. All oily water collected for offsite disposal. - L2 (WWTP Spray Field) is generally sampled on a Quarterly basis for all parameters required in L7967. - Due to malfunction of monitoring equipment, SNM was unable collect the required data for Q4_2024. This issue was rectified in time for Q1_2025, and all parameters remained withing required range for the reporting period. - Results are presented in Table 5 and compared against the NWQMS Australian Guidelines for Sewage Systems, Effluent Management 1997 and site-specific values as per Condition 2.3.3

3.4 MONITORING OF INPUTS AND OUTPUTS

LICENCE CONDITIONS	COMPLIED	DETAILS
3.4.1 The Licensee shall undertake the monitoring in Table 3.4.1 according to the specifications in that table.	Partial	- Replacement of faulty flowmeters and improvement of water balance monitoring ongoing. - No environmental or operational impact. - Water balance calculations maintained using currently operating flowmeters.

3.5 AMBIENT ENVIRONMENTAL QUALITY MONITORING

LICENCE CONDITIONS	COMPLIED	DETAILS
3.5.1 The Licensee shall undertake the monitoring in Table 3.5.1 according to the specifications in that table.	Partial	- Sampling of monitoring bores partially completed in Q3_2024 due to malfunction of sampling/monitoring equipment. - SNM has extensive monitoring data, providing clear understanding of site groundwater quality. - Monitoring resumed in the subsequent quarter as per licence conditions. - Water Quality Parameters for the listed sample locations are presented in APPENDIX D.

4. INFORMATION

4.1 RECORDS

LICENCE CONDITIONS	COMPLIED	DETAILS
4.1.1 All information and records required by the Licence shall: (a) be legible; (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval; (c) except for records listed in 4.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and (d) for those following records, be retained until the expiry of the Licence and any subsequent licence: (i) off-site environmental effects; or (ii) matters which affect the condition of the land or waters.	Yes	- Records are kept and maintained by the site environmental department in an environmental management system that is modelled on the ISO14001 requirements. - All of the information and records required by L7967 are retained on file to be presented upon request and are legible. - Electronic and hard copies of all original documents are kept and filed on site or in the Perth office. - All records are kept permanently. All documentation is stored on site or in the Perth office.
4.1.2 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.	Yes	- An annual audit of compliance report is attached as Appendix A.
4.1.3 The Licensee shall implement a complaints management system that as a minimum record the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.	Yes	- No external complaints were received during the reporting period. In the even that a complaint is made, Savannah Nickel Mine records all incidents (including complaints) in INX. Savannah Nickel Mine also operates a community/stakeholder consultation process that addresses community issues with the premises and its workings.

4.2 REPORTING

LICENCE CONDITIONS	COMPLIED	DETAILS
4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 120 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.	No	- This AER submission has been compiled in accordance with the requirements listed in Table 4.2.1 and in line with Condition 4.2.2 and 4.2.3. - An electronic copy of this AER was submitted to the representative of the CEO, the Licensing Officer, Tim Moran.
4.2.2 The Licensee shall ensure that the Annual Environmental Report also contains an assessment of the information contained within the report against previous monitoring results and Licence limits.	Yes	- This AER, and attached appendices, contain all information required for assessment against previous monitoring results and licence limits.
4.2.3 The Licensee shall submit the information in Table 4.2.2 to the CEO according to the specifications in that table.	Yes	- Copies of original monitoring reports will be made available within 14 days of the CEO's request.
4.2.4 The licence holder must within 30 days of each item of infrastructure required by condition 1.2.9 or 1.2.10 being constructed: (a) undertake an audit of their compliance with the requirements of the condition; and (b) prepare and submit to the CEO an audit report on that compliance.	N/A	- Construction of the Stage 6 Lift commenced 1st October 2023 and suspended in December as SNM was put into Administration before transitioning to care & maintenance. The Stage 6 TSF embankment lift will be completed as part of recommissioning when operations resume. A construction compliance report will be completed on finalisation of construction works.
4.2.5 The report required by condition 4.2.4 must: (a) be certified by a suitably qualified geotechnical engineer (for spillway and TSF infrastructure); (b) provide a list of departures from the specified works certified by a suitably	N/A	- Construction of the Stage 6 Lift commenced 1st October 2023 and suspended in December as SNM was put into Administration before transitioning to care & maintenance. The Stage 6 TSF embankment lift will be completed as part of recommissioning when operations resume. A construction compliance report will be completed on finalisation of construction works.

qualified geotechnical engineer; and (c) be signed by a person authorised to represent the Licence Holder and contain the printed name and position of that person within the company.		

4.3 NOTIFICATION

LICENCE CONDITIONS	COMPLIED	DETAILS
4.3.1 The Licensee shall ensure that the parameters listed in Table 4.3.1 are notified to the CEO in accordance with the notification requirements of the table.	Yes	- Savannah experienced no issues with meeting calibration requirements during the 2023/2024 reporting period.

5. DWER IMPROVEMENT PLAN

No regulatory environmental site inspections were undertaken by DWER at Savannah during the 2024/25 reporting period.

6. ANNUAL AUDIT OF COMPLIANCE REPORT

SNM undertook a compliance audit of conditions contained in Licence to Operate L7967/2003/6. The Annual Audit Compliance Reports are is attached as Appendix A. The audit found the Project to be compliant with the DER Licence to Operate, except for the following:

Table 3 Non-Compliances

1	**Non-compliance:** 3.3.1 The Licensee shall undertake the monitoring in Table 3.31 according to the specifications in that table.
	Detail: Due to ongoing issues with TRH levels at Emission point L1, SNM made the decision to cease use of the triple interceptors. As interceptors are empty, it was not possible to obtain a water sample. **No environmental impact**
2	**Non-compliance:** 3.3.1 The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.
	Detail: • L2 – Wastewater Treatment Plant Emissions to land • Unable to sample during 2024_Q4 **No environmental impact**
3	**Non-compliance:** 3.5.1 Unable to sample some monitoring bores in the period July – September 2024
	Detail: - Failure of sampling equipment resulted in Savannah Nickel Mines being unable to complete sampling of all required monitoring bores during the sampling period. **No environmental impact**

Further detail of these non-conformances can be found in the full Annual Audit Compliance Report contained in Appendix A.

7. ENVIRONMENTAL MANAGEMENT

7.1 DUST

SNM undertakes daily dust suppression using a water cart on roads with heavy traffic. During operations, any visual observation of dust is also communicated to mill personnel and the water cart is dispatched accordingly. Dust suppression measures are maintained at the processing plant on crushers and transfer points and at the concrete batching plant.

7.2 FAUNA

7.2.1 Aquatic Fauna

SNM reinstated the Savannah Aquatic Fauna Monitoring in 2019 after a period of care and maintenance spanning 2016 to 2018. The aim of ongoing (biennial) monitoring is to ensure the ecological health of the receiving environment (i.e. lower Fletcher Creek and the upper Ord River) is not adversely affected by mine seepage.

The aquatic fauna monitoring survey was last completed between 28th April and 4th May 2023.

The report concluded that results from the 2023 Monitoring Program show negligible effect of seepage affected groundwater on the surface water quality or health of aquatic biota in the downstream receiving environment of the Fletcher Creek at the time of sampling.

7.2.2 Native Fauna Management

Savannah completes a scheduled daily inspection of dam infrastructure including the TSF to ensure any animals trapped are rescued and relocated. Maximum 40km speed limits are imposed on all roads within the project to reduce the occurrence of fauna strike. A speed detection and monitoring system has been employed on the camp access road to help reduce incidents of excessive speed and fauna strikes. A fauna strike guideline poster was developed and rolled out across site to encourage employees to check for joeys after potential strikes and to drag carcasses off the road to reduce the risk of secondary strikes. A fauna care kit has been created to assist in the care and rehabilitation of orphaned animals.

Staff members are encouraged to report sightings of native animals that enter operational areas so they can be relocated to avoid danger or harm.

7.2.3 Feral Fauna Management

The trapping and humane euthanasia of feral cats is undertaken on SNM site. Cats caught in traps are euthanised using CO_2 gas and records maintained. Areas targeted include crib rooms, the accommodation village, and the putrescible waste landfill.

7.3 VEGETATION

SNM conducts Groundwater Dependent Vegetation Assessment (GDVA) and Ecosystem Function Analysis (EFA) to monitor vegetation health at the project.

Ecosystem Function Analysis (EFA) is a monitoring procedure that establishes how well an ecosystem functions as a biophysical system using rapidly assessed field indicators. The field procedure makes use of simple visual indicators that are related to various soil surface processes. Conventional sampling methods are used to collect the vegetation data. Originally developed for monitoring rangelands for sustainable development, EFA has more recently been adapted for use in other disturbed landscapes, such as rehabilitation of mine sites.

The last EFA Survey was conducted in 2023 with results reported in the previous AER.

The most recent GDVA was conducted in October 2024. The GDV at all monitoring sites assessed in 2024 was classed as having 'good', 'very good' or 'excellent' condition. Overall, the vegetation community condition for the majority of monitoring sites remained unchanged from the previous surveys.

Weed spraying in collaboration with a local community group, the Gija Rangers (the rangers), targeted several weeds species onsite including Rubber Bush (*Calotropis procera*), *Caltrop (Tribulus terrestris)* and Mint Weed (*Hyptis suaveolens*). Due to this methodical approach, the occurrence of *C. procera* (a Category 3 declared pest in Western Australia), has been drastically reduced in the Savannah tenements. Targeted weed management by Savannah care & maintenance personnel is an ongoing task and is undertaken each growing season.

7.4 WATER MANAGEMENT

7.4.1 Groundwater & Surface Water

Groundwater abstraction is permitted under GWL 153527(6), issued to Savannah by DWER under section 5C of the *Rights in Water and Irrigation Act 1914.* Savannah is permitted to an annual entitlement of 1,446,000 kilolitres for mineral processing and camp (potable) use.

During 2023/2024, Savannah abstracted 78,293kL from the production bore field for the purposes of drinking water supply and makeup water for processing. 55,061kL was abstracted from SMPB03 for seepage management and a further net 217,404kL for dewatering of underground operations. This total of 350,758kL has decreased from 2023/24, when a total of 407,249kL was abstracted across all of site. The net dewatering from underground has remained elevated (compared to when operational) since underground operations ceasing in December 2023. SNM continue to dewater underground to preserve infrastructure.

The most recent Water Operating Strategy (WOS) was approved in 2020. A copy of the Groundwater Monitoring Review for 2024-2025 is included as Appendix D.

Based on the learnings of several impact assessments (URS, 2011, 2012, 2015), refinements of the groundwater model (AECOM 2016, 2018) and recommendations made by URS in the Rationalisation of the SNM Monitoring Programme (2014), an integrated monitoring program has been developed.

In addition, SNM have conducted a thorough review of site water management and the subsequent refinements to the water circuit and site water management have been incorporated into the current Operating Strategy.

Groundwater abstraction is from bores SMPB04 (for camp water) and SMPB's 01, 02, 05, 06, 07 & 10 (for mine area use). Standing water levels are measured monthly at production and monitoring bores in the greater bore field and assessed against the trigger levels stated in the WOS.

Table 3.5.1 of DER Licence L7967/2003/6 states a requirement for quarterly sampling of groundwater at four monitoring bores, two production bores and six surface water sampling locations. Results for these are provided in the required format (Form AGWQ1) in Appendix C.

All samples were taken in accordance with Australian Standard AS/NZ/5667.1.1998 and sent offsite for analysis at a NATA accredited laboratory. Electronic copies of the laboratory reports may be produced upon request and a brief summary of the major component results is listed below:

7.4.2 Groundwater Monitoring Bores

Monitoring bores SMMB01, SMMB02, SMMB03, SMMB07, SMMB08, SMMB13, SMMB20 and SMMB27 were placed to monitor groundwater seepage from the TSF;

- pH levels are neutral, ranging from 6.35 to 7.17;
- Total Dissolved Solids (TDS) between 480 mg/L and 4900 mg/L;
- Sulphate concentrations from 110 mg/L to 3800 mg/L and;
- Standing water levels showed seasonal response to the wet season rainfall.

The following general observations were made:

- pH is slightly lower than the previous reporting period; and
- TDS and sulphate levels show seasonal fluctuation, with TDS exceeding the 4000 mg/L trigger at SMMB07 and SMMB27 on one occasion (see Figure 6)
- Sulphate readings remained below the 4000 mg/L trigger at each bore (see Figure 5).
    - Sulphate concentrations have showed a decreasing trend since suspension of operations.

Note – SMMB20 was accidentally damaged and cannot currently be sampled. This bore will be reinstated during recommissioning operations.

FIGURE 5 SULPHATE CONCENTRATIONS AT TSF SEEPAGE MONITORING BORES

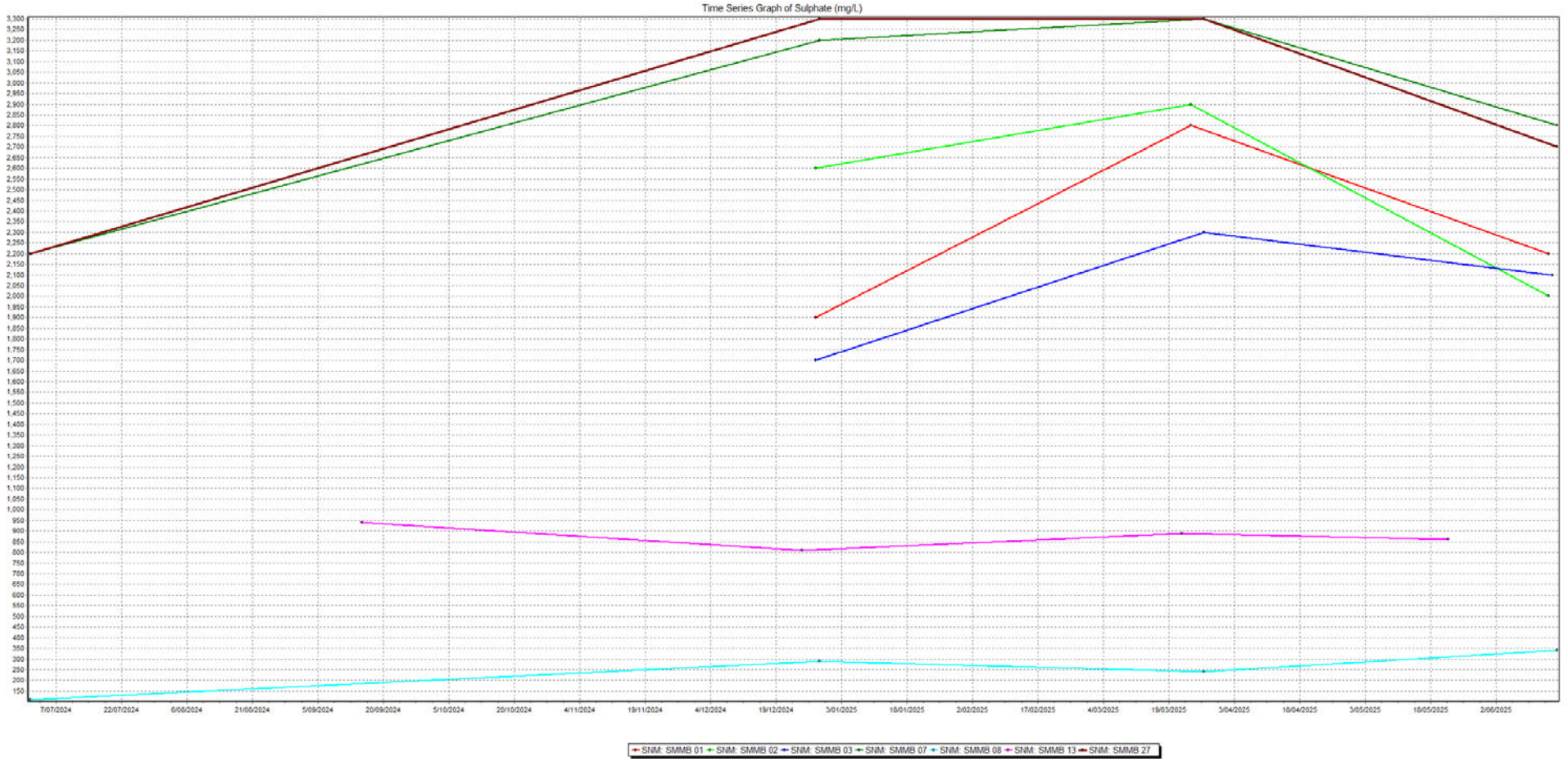
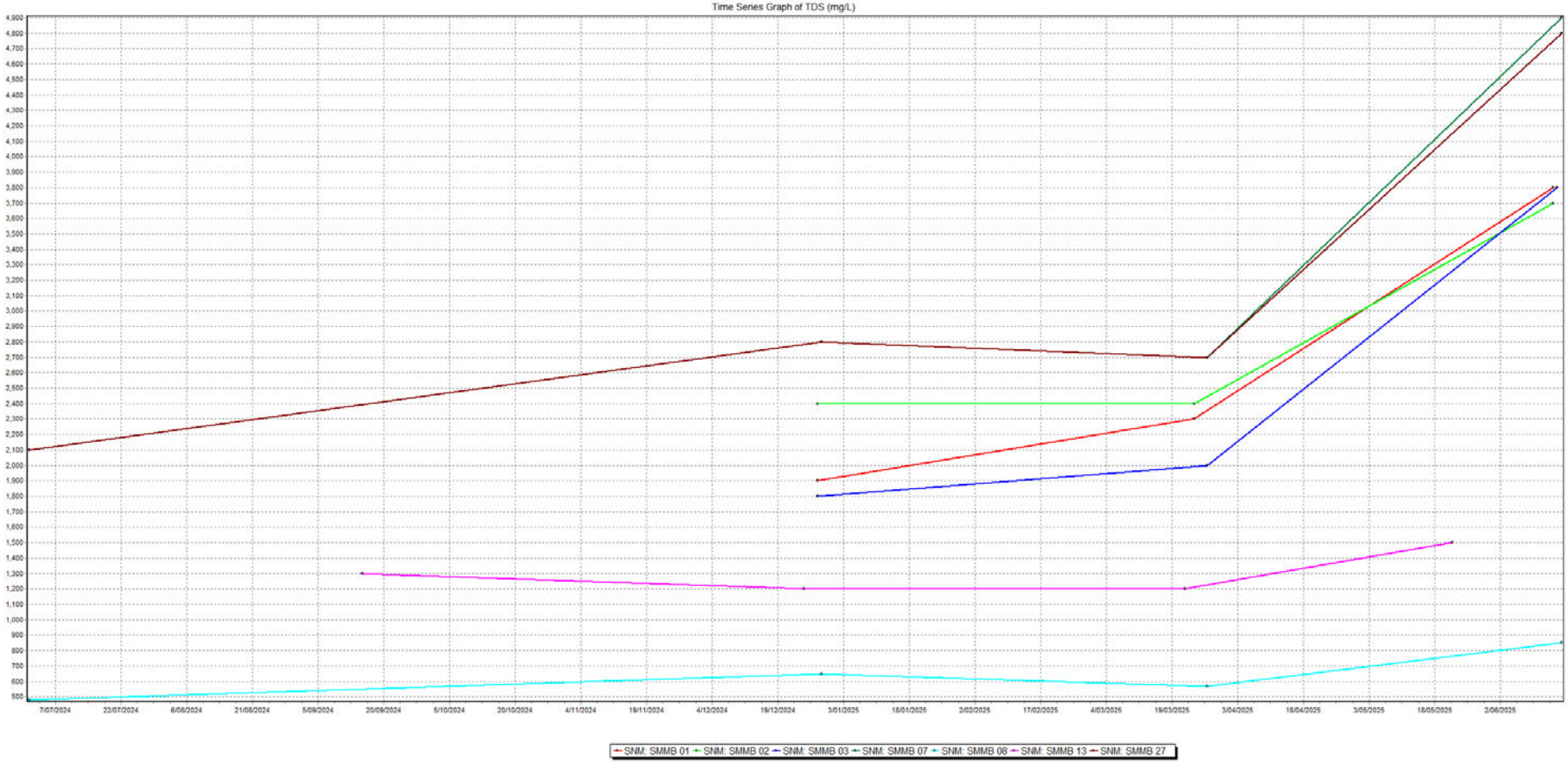


FIGURE 6 TDS CONCENTRATIONS AT TSF SEEPAGE MONITORING BORES



7.4.3 Process Area Run off Pond (PARP) Monitoring Bore

The PARP monitoring bore is placed to assess for potential seepage downstream of the processing facility. Results for these monitoring parameters are presented in Appendix C and discussed briefly below.

During the reporting period, Sulphate levels ranged from 1300 mg/L to 1600 mg/L and TDS ranged from 1600mg/L to 2300 mg/L – both below the site trigger level.

7.4.4 Production Bores SMPB02 & SMPB10

No exceedances were recorded from SMPB02 or SMPB10 during the reporting period. Water quality parameters demonstrated some seasonal fluctuations but are generally consistent with baseline levels. Water quality results for these to production bores can be found in Appendix G.

SMPB10 was not sampled only once during the reporting period as it was not operational.

7.4.5 Seepage Recovery Bores SMPB03 & SMPB12

Total seepage recovery) was 55,061kL, with the total volume being from SMPB03. This equates to 150m³/day. Due to inundation, SNM were unable to operate SMPB12 during the reporting period

During the reporting period, the sulphate concentration at SMPB03 ranged from 2100mg/L to 3800mg/L. Slightly higher than the previous reporting year but below trigger levels.

Further details can be found in the AECOM Savannah Groundwater Monitoring Review.

7.4.6 Surface Water Quality

During the reporting period, Sulphate concentrations in Fletchers Creek remained below the investigation trigger of 350mg/L. Concentrations at Fletchers Creek Southern Control Point 2 (FCSCP2) ranged from 110mg/L to 20 mg/L. Lower than the previous reporting period. This indicates the migration of seepage containing elevated sulphate concentrations currently being successfully controlled. Data from the 2023 Aquatic Faun a Monitoring Survey also indicates there have been no impacts to sensitive receptors from the Savannah operations since a Sulphate trigger exceedance was recorded at FCSCP2 in 2022.

Fletchers Creek Northern Control Point (FCNCP) and Fletchers Creek Southern Control Point 2 (FCNCP2) were sampled 4 times during the reporting period. Mine Creek at Highway (MC@HWY) was sampled twice. Results can be found in Appendix C.

MC@HWY returned sulphate concentrations between 2800mg/L to 3500mg/L.

Further details can be found in the AECOM Savannah Groundwater Monitoring Review (Appendix D).

7.4.7 Wastewater Treatment

A total of 11,684 kL of treated effluent water was pumped to the irrigation field during the reporting period. This equates to 32 m³/day.

Monitoring results for samples taken at the wastewater treatment plant outlet sample tap are outlined in Table 5.

PARAMETER	UNITS	TRIGGER LEVEL (EXPECTED SEWAGE QUALITY)	21/07/2024	2024_Q4	29/03/2025	25/05/2025
pH Field		(6.0 - 9.0)	7.74	-	8.13	8.08
BOD (Biochemical Oxygen Demand)	mg/L	30	< 5	-	< 5	7.2
Total Suspended Solids	mg/L	40	33	-	39	14
Total Nitrogen	mg/L	55	3.9	-	3.3	1.4
Total Phosphorus	mg/L	12	0.2	-	0.15	< 0.01
Anionic Surfactants	mg/L	5	< 0.2	-	< 0.2	< 0.2
Oil and Grease	mg/L	10	< 5	-	< 5	< 5

TABLE 4. WASTEWATER TREATMENT PLANT EFFLUENT RESULTS

7.5 HYDROCARBON AND INDUSTRIAL WASTE MANAGEMENT

Commercial bioremediation products (such as Enretech-1) are used for the immediate treatment of hydrocarbon contaminated soil at a spill site. Larger volumes of contaminated soil are excavated and moved to the designated bioremediation area for tilling and treatment prior to burial in the underground mine.

Hydrocarbon contaminated materials such as rags and filters are collected in designated recycling bins which are removed from site by a licensed controlled waste contractor. Oil drained from vehicles and machinery is collected in a double-bunded bulk waste oil tank. The waste oil is also removed from site by a registered contractor.

Triple interceptor pits are installed at hydrocarbon storage areas and an Oil/Water Separator is installed at the Power Station and the vehicle washdown pad to contain and process hydrocarbon contaminated surface water runoff. Non-compliant results were received for the treated water that is licenced to be emitted from L1 during the 2018/19 reporting period. As a result, the triple interceptors have been drained and isolated. Contaminated water is collected and, along with hydrocarbon waste, removed from site by a controlled waste contractor.

Licence L7967/2003/6 allows the burial of up to 10,000 tonnes of waste at Savannah, including up to 70 tonnes of tyres per year within the waste dumps. Due to suspension of operations, a negligible quantity of industrial and putrescible waste was disposed of as landfill within the North Waste Rock Dump during the 2023/24 reporting period.

Designs for new bioremediation facility are currently in the review and approval process, with construction expected to commence during the recommissioning of operations.

7.6 TOPSOIL MANAGEMENT

Topsoil has been recovered from mining disturbance areas where practicable and stockpiled at various locations around site. Due to the mountainous terrain of the Kimberley, it is sometimes impracticable to safely recover topsoil. Prior to clearing, the area is inspected by the site/project manager and a representative of the environmental department and all practical measures are considered to recover as much topsoil as possible.

A total volume of approximately 63,000m^3 of topsoil is stockpiled at Savannah.

Government of **Western Australia**
Department of **Water and Environmental Regulation**

Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V Division 3

Once completed, please submit this form either via email to info@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation
Locked Bag 10
Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L7967/2003/6	Licence file number:	DER2013/001406-1
Licence holder name:	SAVANNAH NICKEL MINES PTY LTD		
Trading as:	SAVANNAH NICKEL MINES PTY LTD		
ACN:	103 729 282		
Registered business address:	Level 9, 533 hay Street, PERTH WA 6000		
Reporting period:	01/07/2024 **to** 30/06/2025		

Section B – Statement of compliance with licence conditions

Did you comply with all of your licence conditions during the reporting period?
(please tick the appropriate box)

☐ Yes – please complete:
- section C;
- section D (if required); and
- sign the declaration in Section F.

☒ No – please complete:
- section C;
- section D (if required);
- section E; and
- sign the declaration in Section F.

Section C – Statement of actual production

Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.

Prescribed premises category	**Actual production quantity**
Category 5	0 tonnes

Section D – Statement of actual Part 2 waste discharge quantity

Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.

Prescribed premises category	**Actual Part 2 waste discharge quantity**
Category 5	0 tonnes

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.3.1	Date(s) of non-compliance:	2019 - ongoing
Details of non-compliance:			
Due to ongoing issues with TRH levels at Emission point L1, SNM made the decision to cease use of the triple interceptors. As interceptors are empty, it was not possible to obtain a water sample.			
What was the actual (or suspected) environmental impact of the non-compliance? **NOTE** – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
No environmental impact			
Cause (or suspected cause) of non-compliance:			
Residual contamination in interceptor containers			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Interceptor pits were isolated and drained. Wastewater is collected, processed at the HV workshop and removed from site. An upgrade of the system is anticipated and will be detailed in an application to amend Licence L7967 when details are finalized.			
Was this non-compliance previously reported to DWER?			
X Yes, and			
☐ Reported to DWER verbally		Date: / /	
X Reported to DWER in writing		Date: 28/10/2022	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.3.1	Date(s) of non-compliance:	2024_Q4
Details of non-compliance:			
Unable to sample WWTP irrigation field water quality in the period September – December 2024			
What was the actual (or suspected) environmental impact of the non-compliance? **NOTE** – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Short term compliance breach. No environmental impact			
Cause (or suspected cause) of non-compliance:			
Failure of sampling equipment resulted in Savannah Nickel Mines being unable to complete sampling as required in Q4_2024			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Faulty equipment replaced and monitoring resumed in the subsequent quarter, as per licence conditions. Wastewater quality remained within required guidelines during the reporting period.			
Was this non-compliance previously reported to DWER?			
No			
☐ Reported to DWER verbally		Date: / /	
☐ Reported to DWER in writing		Date: / /	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.5.1	Date(s) of non-compliance:	2024_Q3
Details of non-compliance:			
Unable to sample some monitoring bores in the period July – September 2024			
What was the actual (or suspected) environmental impact of the non-compliance? **NOTE** – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
Short term compliance breach. No environmental impact			
Cause (or suspected cause) of non-compliance:			
Failure of sampling equipment resulted in Savannah Nickel Mines being unable to complete sampling of all required monitoring bores during the sampling period.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Faulty equipment replaced and monitoring resumed in the subsequent quarter, as per licence conditions. SNM has extensive monitoring data, providing clear understanding of site groundwater quality.			
Was this non-compliance previously reported to DWER?			
No			
☐ Reported to DWER verbally		Date: / /	
☐ Reported to DWER in writing		Date: / /	

Section F – Declaration

I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular[1].

I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.

[redacted]

Date:	28/10/2025	Date:	
Seal (if signing under seal):			

[1] It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

[2] AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.

Government of **Western Australia**
Department of **Environment Regulation**

Appendix B

Licence:	L7967/2003/6	Licensee:	Savannah Nickel Mines Pty Ltd
Form:	LR1	Period:	01 July 2024 – 30 June 2025
Name:	Monitoring of emissions to land		

Form LR1: Monitoring of emissions to land						
Emission Point	**Parameter**	**Limit**	**Result**	**Averaging Period**	**Method**	**Sample date & times**
L1	Total Recoverable Hydrocarbons	15 mg/L	- mg/L	Spot Sample	NT	NT

Signed on behalf of Savannah Nickel Mines Pty Ltd: [redacted] Date:28/10/2025

APPENDIX C

Form AGWQ1: Monitoring of Ambient Groundwater and Surface Water Quality

Licence: L7967/2003/6

Licensee: Savannah Nickel Mines Pty Ltd

Period: 01 July 2024 – 30 June 2025

Name: Monitoring of Surface and Groundwater Quality

Signed on behalf of Savannah Nickel Mines Pty Ltd



SMMB01 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2024_Q3	28/12/2024	24/03/2025	14/06/2025
Standing Water Level	mbgl	-	-	Spot Sample	-	3.14	1.68	1.62
pH Field	pH Units	6.5 -8.5	-	Spot Sample	-	6.92	6.98	7
Electrical Conductivity	µS/cm	5000	-	Spot Sample	-	3100	3800	4000
Total Dissolved Solids	mg/L	4000	-	Spot Sample	-	1900	2300	3800
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	-	<0.3700	<0.3700	<0.3700
Aluminium	mg/L	5	-	Spot Sample	-	<0.05	<0.05	<0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	-	<0.02	<0.02	<0.02
Arsenic	mg/L	0.5	-	Spot Sample	-	0.003	0.003	0.003
Cadmium	mg/L	0.01	-	Spot Sample	-	<0.0001	<0.0001	<0.0001
Calcium	mg/L	-	-	Spot Sample	-	330	360	430
Chloride	mg/L	-	-	Spot Sample	-	22	26	27
Chromium	mg/L	0.05	-	Spot Sample	-	<0.001	<0.001	<0.001
Cobalt	mg/L	1	-	Spot Sample	-	<0.001	<0.001	<0.001
Copper	mg/L	2	-	Spot Sample	-	<0.001	<0.001	<0.001
Iron	mg/L	0.3	-	Spot Sample	-	0.04	<0.01	<0.01
Lead	mg/L	0.1	-	Spot Sample	-	<0.001	<0.001	<0.001
Magnesium	mg/L	-	-	Spot Sample	-	290	310	1200
Manganese	mg/L	20	-	Spot Sample	-	0.009	0.019	0.019
Mercury	mg/L	0.002	-	Spot Sample	-	<0.0001	<0.0001	<0.0001
Nickel	mg/L	3	-	Spot Sample	-	0.002	0.003	0.003
Nitrate-N	mg/L	-	-	Spot Sample	-	0.77	0.19	1.4
Potassium	mg/L	-	-	Spot Sample	-	11	11	390
Selenium	mg/L	0.02	-	Spot Sample	-	0.002	0.001	0.002
Silicon	mg/L	-	-	Spot Sample	-	21	40	27
Silver	mg/L	0.02	-	Spot Sample	-	<0.001	<0.001	<0.001
Sodium	mg/L	-	-	Spot Sample	-	110	110	9600
Sulphate	mg/L	4000	-	Spot Sample	-	1,900	2800	2,200
Zinc	mg/L	3	-	Spot Sample	-	0.014	<0.005	0.015

NB Shaded areas indicate trigger values have been exceeded.
* Unable to sample

SMMB02 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2024_Q3	28/12/2024	24/03/2025	14/06/2025
Standing Water Level	mbgl	-	-	Spot Sample	-	1.32	0.29	0.36
pH Field	pH Units	6.5 -8.5	-	Spot Sample	-	6.98	7.04	7.07
Electrical Conductivity	µS/cm	5000	-	Spot Sample	-	4100	4000	3800
Total Dissolved Solids	mg/L	4000	-	Spot Sample	-	2400	2400	3700
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	-	<0.3700	<0.3700	<0.3700
Aluminium	mg/L	5	-	Spot Sample	-	<0.05	<0.05	<0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	-	0.02	<0.02	1.7
Arsenic	mg/L	0.5	-	Spot Sample	-	<0.001	<0.001	<0.001
Cadmium	mg/L	0.01	-	Spot Sample	-	<0.0001	<0.0001	<0.0001
Calcium	mg/L	-	-	Spot Sample	-	450	370	440
Chloride	mg/L	-	-	Spot Sample	-	28	27	30
Chromium	mg/L	0.05	-	Spot Sample	-	<0.001	<0.001	<0.001
Cobalt	mg/L	1	-	Spot Sample	-	<0.001	<0.001	<0.001
Copper	mg/L	2	-	Spot Sample	-	<0.001	<0.001	<0.001
Iron	mg/L	0.3	-	Spot Sample	-	0.07	<0.01	0.05
Lead	mg/L	0.1	-	Spot Sample	-	<0.001	<0.001	<0.001
Magnesium	mg/L	-	-	Spot Sample	-	410	340	390
Manganese	mg/L	20	-	Spot Sample	-	1.1	0.81	1.1
Mercury	mg/L	0.002	-	Spot Sample	-	<0.0001	<0.0002	<0.0001
Nickel	mg/L	3	-	Spot Sample	-	0.002	0.004	0.004
Nitrate-N	mg/L	-	-	Spot Sample	-	<0.01	<0.02	<0.01
Potassium	mg/L	-	-	Spot Sample	-	15	13	15
Selenium	mg/L	0.02	-	Spot Sample	-	0.002	<0.001	<0.001
Silicon	mg/L	-	-	Spot Sample	-	33	3.6	5.5
Silver	mg/L	0.02	-	Spot Sample	-	<0.001	<0.001	<0.001
Sodium	mg/L	-	-	Spot Sample	-	140	110	120
Sulphate	mg/L	4000	-	Spot Sample	-	2,600	2,900	2,000
Zinc	mg/L	3	-	Spot Sample	-	0.048	0.04	0.063

NB Shaded areas indicate trigger values have been exceeded.
* Unable to sample

SMMB03 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2024_Q3	28/12/2024	27/03/2025	15/06/2025
Standing Water Level	mbgl	-	-	Spot Sample	-	4.85	3.42	3.93
pH Field	pH Units	6.5 -8.5	-	Spot Sample	-	6.84	6.89	6.9
Electrical Conductivity	µS/cm	5000	-	Spot Sample	-	3100	3400	3900
Total Dissolved Solids	mg/L	4000	-	Spot Sample	-	1800	2000	3800
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	-	<0.3700	<0.3700	<0.3700
Aluminium	mg/L	5	-	Spot Sample	-	<0.05	<0.05	<0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	-	<0.02	<0.02	0.05
Arsenic	mg/L	0.5	-	Spot Sample	-	<0.001	<0.001	<0.001
Cadmium	mg/L	0.01	-	Spot Sample	-	<0.0001	<0.0001	<0.0001
Calcium	mg/L	-	-	Spot Sample	-	460	460	550
Chloride	mg/L	-	-	Spot Sample	-	37	25	28
Chromium	mg/L	0.05	-	Spot Sample	-	<0.001	<0.001	<0.001
Cobalt	mg/L	1	-	Spot Sample	-	<0.001	<0.001	<0.001
Copper	mg/L	2	-	Spot Sample	-	<0.001	0.001	<0.001
Iron	mg/L	0.3	-	Spot Sample	-	0.1	0.03	0.08
Lead	mg/L	0.1	-	Spot Sample	-	<0.001	<0.001	<0.001
Magnesium	mg/L	-	-	Spot Sample	-	200	190	260
Manganese	mg/L	20	-	Spot Sample	-	0.14	0.058	0.27
Mercury	mg/L	0.002	-	Spot Sample	-	<0.0001	<0.0001	<0.0001
Nickel	mg/L	3	-	Spot Sample	-	0.002	0.003	0.004
Nitrate-N	mg/L	-	-	Spot Sample	-	0.01	0.02	0.02
Potassium	mg/L	-	-	Spot Sample	-	16	15	17
Selenium	mg/L	0.02	-	Spot Sample	-	0.002	<0.001	<0.001
Silicon	mg/L	-	-	Spot Sample	-	28	9.1	6.5
Silver	mg/L	0.02	-	Spot Sample	-	<0.001	<0.001	<0.001
Sodium	mg/L	-	-	Spot Sample	-	92	83	93
Sulphate	mg/L	4000	-	Spot Sample	-	1,700	2,300	2,100
Zinc	mg/L	3	-	Spot Sample	-	0.014	0.006	0.011

NB Shaded areas indicate trigger values have been exceeded.
* Unable to sample

SMMB07 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	1/07/2024	29/12/2024	27/03/2025	16/06/2025
Standing Water Level	mbgl	-	-	Spot Sample	2.29	4.15	3.2	3.78
pH Field	pH Units	6.5 -8.5	-	Spot Sample	6.36	6.76	6.86	6.89
Electrical Conductivity	µS/cm	5000	-	Spot Sample	3500	4700	4400	5000
Total Dissolved Solids	mg/L	4000	-	Spot Sample	2100	2800	2700	4900
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	<0.3700	<0.3700	<0.3700	<0.3700
Aluminium	mg/L	5	-	Spot Sample	< 0.05	< 0.05	< 0.05	< 0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	0.09	< 0.02	< 0.02	0.06
Arsenic	mg/L	0.5	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	0.01	-	Spot Sample	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Calcium	mg/L	-	-	Spot Sample	440	580	480	470
Chloride	mg/L	-	-	Spot Sample	16	17	19	18
Chromium	mg/L	0.05	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	1	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Copper	mg/L	2	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/L	0.3	-	Spot Sample	< 0.01	0.07	< 0.01	< 0.01
Lead	mg/L	0.1	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Magnesium	mg/L	-	-	Spot Sample	310	460	380	370
Manganese	mg/L	20	-	Spot Sample	0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	0.002	-	Spot Sample	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel	mg/L	3	-	Spot Sample	0.002	0.001	0.001	0.001
Nitrate-N	mg/L	-	-	Spot Sample	2.4	2.8	1.6	0.88
Potassium	mg/L	-	-	Spot Sample	12	14	13	14
Selenium	mg/L	0.02	-	Spot Sample	< 0.001	0.001	< 0.001	0.001
Silicon	mg/L	-	-	Spot Sample	38	23	31	27
Silver	mg/L	0.02	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	mg/L	-	-	Spot Sample	97	120	100	170
Sulphate	mg/L	4000	-	Spot Sample	2,200	3,200	3,300	2,800
Zinc	mg/L	3	-	Spot Sample	0.006	< 0.005	< 0.005	< 0.005

NB Shaded areas indicate trigger values have been exceeded.

SMMB08 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	1/07/2024	29/12/2024	27/03/2025	16/06/2025
Standing Water Level	mbgl	-	-	Spot Sample	7.84	11.3	10.58	11.8
pH Field	pH Units	6.5 -8.5	-	Spot Sample	6.61	7.06	7.15	7.17
Electrical Conductivity	µS/cm	5000	-	Spot Sample	800	1100	950	1300
Total Dissolved Solids	mg/L	4000	-	Spot Sample	480	650	570	850
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	<0.3700	<0.3700	<0.3700	<0.3700
Aluminium	mg/L	5	-	Spot Sample	< 0.05	< 0.05	< 0.05	< 0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	< 0.02	< 0.02	< 0.02	0.42
Arsenic	mg/L	0.5	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	0.01	-	Spot Sample	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Calcium	mg/L	-	-	Spot Sample	82	110	92	160
Chloride	mg/L	-	-	Spot Sample	< 5	14	5.7	7.3
Chromium	mg/L	0.05	-	Spot Sample	< 0.001	< 0.001	< 0.001	0.002
Cobalt	mg/L	1	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Copper	mg/L	2	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Iron	mg/L	0.3	-	Spot Sample	0.02	0.06	< 0.01	< 0.01
Lead	mg/L	0.1	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Magnesium	mg/L	-	-	Spot Sample	54	64	51	75
Manganese	mg/L	20	-	Spot Sample	< 0.005	< 0.005	< 0.005	< 0.005
Mercury	mg/L	0.002	-	Spot Sample	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Nickel	mg/L	3	-	Spot Sample	0.002	0.002	< 0.001	0.001
Nitrate-N	mg/L	-	-	Spot Sample	0.77	2.8	2.1	3.6
Potassium	mg/L	-	-	Spot Sample	3.6	5	4.4	5.3
Selenium	mg/L	0.02	-	Spot Sample	0.001	0.002	0.002	0.004
Silicon	mg/L	-	-	Spot Sample	24	25	7.9	24
Silver	mg/L	0.02	-	Spot Sample	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	mg/L	-	-	Spot Sample	24	29	24	40
Sulphate	mg/L	4000	-	Spot Sample	110	290	240	340
Zinc	mg/L	3	-	Spot Sample	< 0.005	0.006	< 0.005	0.057

NB Shaded areas indicate trigger values have been exceeded.

SMMB13 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	15/09/2024	25/12/2024	22/03/2025	22/05/2025
Standing Water Level	mbgl	-	-	Spot Sample	1.53	2.63	1.98	2.41
pH Field	pH Units	6.5 -8.5	-	Spot Sample	6.74	7.14	7.24	7.26
Electrical Conductivity	µS/cm	5000	-	Spot Sample	2100	2000	2000	2000
Total Dissolved Solids	mg/L	4000	-	Spot Sample	1300	1200	1200	1500
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	<0.3700	<0.3700	<0.3700	<0.3700
Aluminium	mg/L	5	-	Spot Sample	<0.05	<0.05	<0.05	<0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	<0.02	<0.02	<0.02	<0.02
Arsenic	mg/L	0.5	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cadmium	mg/L	0.01	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	-	-	Spot Sample	130	120	110	140
Chloride	mg/L	-	-	Spot Sample	11	11	12	12
Chromium	mg/L	0.05	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	1	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	2	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Iron	mg/L	0.3	-	Spot Sample		<0.01	0.01	<0.01
Lead	mg/L	0.1	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	-	-	Spot Sample	260	210	200	230
Manganese	mg/L	20	-	Spot Sample	<0.005	<0.005	<0.005	<0.005
Mercury	mg/L	0.002	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	mg/L	3	-	Spot Sample	<0.001	<0.001	0.008	<0.001
Nitrate-N	mg/L	-	-	Spot Sample	0.41	0.51	0.39	0.56
Potassium	mg/L	-	-	Spot Sample	9.6	7.8	7.9	7.4
Selenium	mg/L	0.02	-	Spot Sample	<0.001	<0.001	0.001	<0.001
Silicon	mg/L	-	-	Spot Sample	36	36	3.9	37
Silver	mg/L	0.02	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Sodium	mg/L	-	-	Spot Sample	48	39	37	44
Sulphate	mg/L	4000	-	Spot Sample	940	810	890	860
Zinc	mg/L	3	-	Spot Sample	<0.005	<0.005	<0.005	<0.005

NB Shaded areas indicate trigger values have been exceeded.

SMMB20 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2023_Q3	*2023_Q4	*2024_Q1	*2024_Q2
Standing Water Level	mbgl	-	-	Spot Sample	_	_	_	_
pH Field	pH Units	6.5 -8.5	-	Spot Sample	_	_	_	_
Electrical Conductivity	µS/cm	5000	-	Spot Sample	_	_	_	_
Total Dissolved Solids	mg/L	4000	-	Spot Sample	_	_	_	_
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	_	_	_	_
Aluminium	mg/L	5	-	Spot Sample	_	_	_	_
Ammonia-N	mg/L	2.5	-	Spot Sample	_	_	_	_
Arsenic	mg/L	0.5	-	Spot Sample	_	_	_	_
Cadmium	mg/L	0.01	-	Spot Sample	_	_	_	_
Calcium	mg/L	-	-	Spot Sample	_	_	_	_
Chloride	mg/L	-	-	Spot Sample	_	_	_	_
Chromium	mg/L	0.05	-	Spot Sample	_	_	_	_
Cobalt	mg/L	1	-	Spot Sample	_	_	_	_
Copper	mg/L	2	-	Spot Sample	_	_	_	_
Iron	mg/L	0.3	-	Spot Sample	_	_	_	_
Lead	mg/L	0.1	-	Spot Sample	_	_	_	_
Magnesium	mg/L	-	-	Spot Sample	_	_	_	_
Manganese	mg/L	20	-	Spot Sample	_	_	_	_
Mercury	mg/L	0.002	-	Spot Sample	_	_	_	_
Nickel	mg/L	3	-	Spot Sample	_	_	_	_
Nitrate-N	mg/L	-	-	Spot Sample	_	_	_	_
Potassium	mg/L	-	-	Spot Sample	_	_	_	_
Selenium	mg/L	0.02	-	Spot Sample	_	_	_	_
Silicon	mg/L	-	-	Spot Sample	_	_	_	_
Silver	mg/L	0.02	-	Spot Sample	_	_	_	_
Sodium	mg/L	-	-	Spot Sample	_	_	_	_
Sulphate	mg/L	4000	-	Spot Sample	_	_	_	_
Zinc	mg/L	3	-	Spot Sample	_	_	_	_

NB Shaded areas indicate trigger values have been exceeded.
* Bore destroyed by vehicle driving in long grass

SMMB27 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	1/07/2024	29/12/2024	27/03/2025	16/06/2025
Standing Water Level	mbgl	-	-	Spot Sample	0.97	2.67	1.75	2.34
pH Field	pH Units	6.5 -8.5	-	Spot Sample	6.35	6.77	6.86	6.89
Electrical Conductivity	µS/cm	5000	-	Spot Sample	3500	4700	4500	5000
Total Dissolved Solids	mg/L	4000	-	Spot Sample	2100	2800	2700	4800
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	<0.3700	<0.3700	<0.3700	10.57
Aluminium	mg/L	5	-	Spot Sample	<0.05	<0.05	<0.05	<0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	0.05	<0.02	<0.02	0.14
Arsenic	mg/L	0.5	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cadmium	mg/L	0.01	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	-	-	Spot Sample	400	530	440	650
Chloride	mg/L	-	-	Spot Sample	15	17	18	18
Chromium	mg/L	0.05	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	1	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	2	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Iron	mg/L	0.3	-	Spot Sample	<0.01	<0.01	<0.01	<0.01
Lead	mg/L	0.1	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	-	-	Spot Sample	320	460	350	460
Manganese	mg/L	20	-	Spot Sample	<0.005	0.008	<0.005	<0.005
Mercury	mg/L	0.002	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	mg/L	3	-	Spot Sample	0.001	0.001	0.001	0.001
Nitrate-N	mg/L	-	-	Spot Sample	2.2	2.4	1.8	0.91
Potassium	mg/L	-	-	Spot Sample	13	14	12	14
Selenium	mg/L	0.02	-	Spot Sample	0.001	0.001	0.002	<0.001
Silicon	mg/L	-	-	Spot Sample	35	25	10	27
Silver	mg/L	0.02	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Sodium	mg/L	-	-	Spot Sample	99	120	95	130
Sulphate	mg/L	4000	-	Spot Sample	2,200	3,300	3,300	2,700
Zinc	mg/L	3	-	Spot Sample	<0.005	<0.005	<0.005	0.006

NB Shaded areas indicate trigger values have been exceeded.

PARPMB01 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2023_Q3	26/12/2024	26/03/2025	12/06/2025
Standing Water Level	mbgl	-	-	Spot Sample	-	8.08	6.77	7.3
pH Field	pH Units	6.5 -8.5	-	Spot Sample	-	6.89	7.01	7.04
Electrical Conductivity	µS/cm	5000	-	Spot Sample	-	2700	2700	2700
Total Dissolved Solids	mg/L	4000	-	Spot Sample	-	1600	1600	2300
Total Recoverable Hydrocarbons	mg/L	-	-	Spot Sample	-	<0.3700	<0.3700	<0.3700
Aluminium	mg/L	5	-	Spot Sample	-	<0.05	<0.05	<0.05
Ammonia-N	mg/L	2.5	-	Spot Sample	-	<0.02	<0.02	<0.02
Arsenic	mg/L	0.5	-	Spot Sample	-	0.002	0.002	0.002
Cadmium	mg/L	0.01	-	Spot Sample	-	<0.0001	<0.0001	<0.0001
Calcium	mg/L	-	-	Spot Sample	-	310	280	290
Chloride	mg/L	-	-	Spot Sample	-	20	19	28
Chromium	mg/L	0.05	-	Spot Sample	-	<0.001	<0.001	<0.001
Cobalt	mg/L	1	-	Spot Sample	-	<0.001	<0.001	<0.001
Copper	mg/L	2	-	Spot Sample	-	<0.001	<0.001	<0.001
Iron	mg/L	0.3	-	Spot Sample	-	0.02	<0.01	<0.01
Lead	mg/L	0.1	-	Spot Sample	-	<0.001	<0.001	<0.001
Magnesium	mg/L	-	-	Spot Sample	-	190	180	190
Manganese	mg/L	20	-	Spot Sample	-	0.006	<0.005	<0.005
Mercury	mg/L	0.002	-	Spot Sample	-	<0.0001	<0.0001	<0.0001
Nickel	mg/L	3	-	Spot Sample	-	0.001	<0.001	0.001
Nitrate-N	mg/L	-	-	Spot Sample	-	7.1	5.3	6.1
Potassium	mg/L	-	-	Spot Sample	-	7.3	7.5	8.4
Selenium	mg/L	0.02	-	Spot Sample	-	0.009	0.008	0.008
Silicon	mg/L	-	-	Spot Sample	-	8.2	6.8	6.7
Silver	mg/L	0.02	-	Spot Sample	-	<0.001	<0.001	<0.001
Sodium	mg/L	-	-	Spot Sample	-	78	76	79
Sulphate	mg/L	4000	-	Spot Sample	-	1,400	1,600	1,300
Zinc	mg/L	3	-	Spot Sample	-	<0.005	<0.005	<0.005

NB Shaded areas indicate trigger values have been exceeded.
* Unable to sample

SMPB02 STANDING WATER LEVELS AND GROUNDWATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	11/09/2024	29/12/2024	20/03/2025	21/05/2025
Standing Water Level	mbgl	-	-	Spot Sample	12.53	10.06	11.16	12.86
pH	pH Units	6.5 -8.5	-	Spot Sample	6.88	7.6	7.69	7.58
Electrical Conductivity	µS/cm	1500	-	Spot Sample	930	940	920	970
Total Dissolved Solids	mg/l	4000	-	Spot Sample	560	570	550	570
Total Recoverable Hydrocarbons	mg/l	-	-	Spot Sample	<0.3700	<0.3700	<0.3700	<0.3700
Aluminium	mg/l	5	-	Spot Sample	<0.05	<0.05	<0.05	<0.05
Ammonia	mg/l	2.5	-	Spot Sample	<0.02	<0.02	<0.02	<0.02
Arsenic	mg/l	0.01	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cadmium	mg/l	0.01	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/l	-	-	Spot Sample	83	76	66	84
Chloride	mg/l	-	-	Spot Sample	11	12	13	13
Chromium	mg/l	0.05	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/l	1	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	1	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Iron	mg/l	0.3	-	Spot Sample	<0.01	<0.01	<0.01	<0.01
Lead	mg/l	0.1	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	-	-	Spot Sample	57	51	43	50
Manganese	mg/l	0.1	-	Spot Sample	<0.005	<0.005	<0.005	<0.005
Mercury	mg/l	0.002	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	mg/l	0.05	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Nitrate	mg/l	-	-	Spot Sample	0.53	0.61	0.52	0.56
Potassium	mg/l	-	-	Spot Sample	8.2	7.4	6.7	6.7
Selenium	mg/l	0.01	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Silicon	mg/l	-	-	Spot Sample	26	28	29	26
Silver	mg/l	0.02	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	-	-	Spot Sample	68	62	52	66
Sulphate	mg/l	500	-	Spot Sample	70	69	84	85
Zinc	mg/l	20	-	Spot Sample	<0.005	<0.005	0.021	0.005

NB Shaded areas indicate trigger values have been exceeded.

SMPB10 STANDING WATER LEVELS AND GROUNDWATER QUALITY

(BORE NOT OPERATIONAL DURING REPORTING PERIOD)

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2024_Q3	*2024_Q4	*2025_Q1	25/05/2025
Standing Water Level	mbgl	-	-	Spot Sample	-	-	-	12.86
pH	pH Units	6.5 -8.5	-	Spot Sample	-	-	-	7.9
Electrical Conductivity	µS/cm	1500	-	Spot Sample	-	-	-	890
Total Dissolved Solids	mg/l	4000	-	Spot Sample	-	-	-	540
Total Recoverable Hydrocarbons	mg/l	-	-	Spot Sample	-	-	-	<0.3700
Aluminium	mg/l	5	-	Spot Sample	-	-	-	< 0.05
Ammonia	mg/l	2.5	-	Spot Sample	-	-	-	0.03
Arsenic	mg/l	0.01	-	Spot Sample	-	-	-	0.003
Cadmium	mg/l	0.01	-	Spot Sample	-	-	-	< 0.0001
Calcium	mg/l	-	-	Spot Sample	-	-	-	68
Chloride	mg/l	-	-	Spot Sample	-	-	-	15
Chromium	mg/l	0.05	-	Spot Sample	-	-	-	< 0.001
Cobalt	mg/l	1	-	Spot Sample	-	-	-	< 0.001
Copper	mg/l	1	-	Spot Sample	-	-	-	< 0.001
Iron	mg/l	0.3	-	Spot Sample	-	-	-	< 0.01
Lead	mg/l	0.1	-	Spot Sample	-	-	-	< 0.001
Magnesium	mg/l	-	-	Spot Sample	-	-	-	42
Manganese	mg/l	0.1	-	Spot Sample	-	-	-	0.069
Mercury	mg/l	0.002	-	Spot Sample	-	-	-	< 0.0001
Nickel	mg/l	0.05	-	Spot Sample	-	-	-	< 0.001
Nitrate	mg/l	-	-	Spot Sample	-	-	-	0.58
Potassium	mg/l	-	-	Spot Sample	-	-	-	5.7
Selenium	mg/l	0.01	-	Spot Sample	-	-	-	< 0.001
Silicon	mg/l	-	-	Spot Sample	-	-	-	30
Silver	mg/l	0.02	-	Spot Sample	-	-	-	< 0.001
Sodium	mg/l	-	-	Spot Sample	-	-	-	70
Sulphate	mg/l	500	-	Spot Sample	-	-	-	37
Zinc	mg/l	20	-	Spot Sample	-	-	-	0.007

NB Shaded areas indicate trigger values have been exceeded.
* Unable to sample

WSF1 SEEPAGE WATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	13/09/2024	30/12/2024	22/03/2025	24/04/2025
pH	pH Units	-	-	Spot Sample	7.23	7.63	7.68	7.96
Electrical Conductivity	µS/cm	-	-	Spot Sample	5200	5100	5000	5100
Total Dissolved Solids	mg/l	-	-	Spot Sample	3100	3100	3000	5100
Total Recoverable Hydrocarbons	mg/l	-	15 (TRH)	Spot Sample	<0.3700	<0.3700	<0.3700	<0.3700
Aluminium	mg/l	-	-	Spot Sample	<0.05	<0.05	<0.05	<0.05
Ammonia	mg/l	-	-	Spot Sample	<0.02	0.23	0.05	0.1
Arsenic	mg/l	-	-	Spot Sample	0.002	0.002	0.002	0.002
Cadmium	mg/l	-	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/l	-	-	Spot Sample	510	540	460	520
Chloride	mg/l	-	-	Spot Sample	21	23	26	23
Chromium	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/l	-	-	Spot Sample	<0.001	0.001	0.001	0.001
Copper	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Iron	mg/l	-	-	Spot Sample	<0.01	0.01	0.02	0.02
Lead	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	-	-	Spot Sample	550	580	460	540
Manganese	mg/l	-	-	Spot Sample	0.69	1.1	1.1	1.4
Mercury	mg/l	-	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	mg/l	-	-	Spot Sample	0.004	0.003	0.003	0.004
Nitrate	mg/l	-	-	Spot Sample	0.7	0.21	0.15	0.21
Potassium	mg/l	-	-	Spot Sample	21	23	20	21
Selenium	mg/l	-	-	Spot Sample	<0.001	0.001	<0.001	<0.001
Silicon	mg/l	-	-	Spot Sample	20	21	3.7	
Silver	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	-	-	Spot Sample	170	190	150	170
Sulphate	mg/l	-	-	Spot Sample	3700	3600	3800	3200
Zinc	mg/l	-	-	Spot Sample	<0.005	0.006	<0.005	<0.005

NB Shaded areas indicate trigger values have been exceeded.

SPILLWAY 1 WATER QUALITY * NO WATER DURING THE REPORTING PERIOD

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2024_Q3	*2024_Q4	*2025_Q1	*2025_Q2
pH	pH Units	-	-	Spot Sample	-	-	-	-
Electrical Conductivity	µS/cm	-	-	Spot Sample	-	-	-	-
Total Dissolved Solids	mg/l	-	-	Spot Sample	-	-	-	-
Total Recoverable Hydrocarbons	mg/l	-	15 (TRH)	Spot Sample	-	-	-	-
Aluminium	mg/l	-	-	Spot Sample	-	-	-	-
Ammonia	mg/l	-	-	Spot Sample	-	-	-	-
Arsenic	mg/l	-	-	Spot Sample	-	-	-	-
Cadmium	mg/l	-	-	Spot Sample	-	-	-	-
Calcium	mg/l	-	-	Spot Sample	-	-	-	-
Chloride	mg/l	-	-	Spot Sample	-	-	-	-
Chromium	mg/l	-	-	Spot Sample	-	-	-	-
Cobalt	mg/l	-	-	Spot Sample	-	-	-	-
Copper	mg/l	-	-	Spot Sample	-	-	-	-
Iron	mg/l	-	-	Spot Sample	-	-	-	-
Lead	mg/l	-	-	Spot Sample	-	-	-	-
Magnesium	mg/l	-	-	Spot Sample	-	-	-	-
Manganese	mg/l	-	-	Spot Sample	-	-	-	-
Mercury	mg/l	-	-	Spot Sample	-	-	-	-
Nickel	mg/l	-	-	Spot Sample	-	-	-	-
Nitrate	mg/l	-	-	Spot Sample	-	-	-	-
Potassium	mg/l	-	-	Spot Sample	-	-	-	-
Selenium	mg/l	-	-	Spot Sample	-	-	-	-
Silicon	mg/l	-	-	Spot Sample	-	-	-	-
Silver	mg/l	-	-	Spot Sample	-	-	-	-
Sodium	mg/l	-	-	Spot Sample	-	-	-	-
Sulphate	mg/l	-	-	Spot Sample	-	-	-	-
Zinc	mg/l	-	-	Spot Sample	-	-	-	-

NB Shaded areas indicate trigger values have been exceeded.

SPILLWAY 2 WATER QUALITY * NO WATER DURING THE REPORTING PERIOD

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2024_Q3	*2024_Q4	*2025_Q1	*2025_Q2
pH	pH Units	-	-	Spot Sample	-	-	-	-
Electrical Conductivity	µS/cm	-	-	Spot Sample	-	-	-	-
Total Dissolved Solids	mg/l	-	-	Spot Sample	-	-	-	-
Total Recoverable Hydrocarbons	mg/l	-	15 (TRH)	Spot Sample	-	-	-	-
Aluminium	mg/l	-	-	Spot Sample	-	-	-	-
Ammonia	mg/l	-	-	Spot Sample	-	-	-	-
Arsenic	mg/l	-	-	Spot Sample	-	-	-	-
Cadmium	mg/l	-	-	Spot Sample	-	-	-	-
Calcium	mg/l	-	-	Spot Sample	-	-	-	-
Chloride	mg/l	-	-	Spot Sample	-	-	-	-
Chromium	mg/l	-	-	Spot Sample	-	-	-	-
Cobalt	mg/l	-	-	Spot Sample	-	-	-	-
Copper	mg/l	-	-	Spot Sample	-	-	-	-
Iron	mg/l	-	-	Spot Sample	-	-	-	-
Lead	mg/l	-	-	Spot Sample	-	-	-	-
Magnesium	mg/l	-	-	Spot Sample	-	-	-	-
Manganese	mg/l	-	-	Spot Sample	-	-	-	-
Mercury	mg/l	-	-	Spot Sample	-	-	-	-
Nickel	mg/l	-	-	Spot Sample	-	-	-	-
Nitrate	mg/l	-	-	Spot Sample	-	-	-	-
Potassium	mg/l	-	-	Spot Sample	-	-	-	-
Selenium	mg/l	-	-	Spot Sample	-	-	-	-
Silicon	mg/l	-	-	Spot Sample	-	-	-	-
Silver	mg/l	-	-	Spot Sample	-	-	-	-
Sodium	mg/l	-	-	Spot Sample	-	-	-	-
Sulphate	mg/l	-	-	Spot Sample	-	-	-	-
Zinc	mg/l	-	-	Spot Sample	-	-	-	-

NB Shaded areas indicate trigger values have been exceeded.

MINE CREEK (ADJACENT TO HIGHWAY) WATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	*2024_Q3	*2024_Q4	20/03/2025	25/05/2025
pH	pH Units	-	-	Spot Sample	-	_	8.16	8.26
Electrical Conductivity	µS/cm	-	-	Spot Sample	-	_	4900	4500
Total Dissolved Solids	mg/l	-	-	Spot Sample	-	_	2900	4300
Total Recoverable Hydrocarbons	mg/l	-	15 (TRH)	Spot Sample	-	_	<0.3700	<0.3700
Aluminium	mg/l	-	-	Spot Sample	-	_	<0.05	<0.05
Ammonia	mg/l	-	-	Spot Sample	-	_	<0.02	0.03
Arsenic	mg/l	-	-	Spot Sample	-	_	<0.001	<0.001
Cadmium	mg/l	-	-	Spot Sample	-	_	<0.0001	<0.0001
Calcium	mg/l	-	-	Spot Sample	-	_	35	460
Chloride	mg/l	-	-	Spot Sample	-	_	32	25
Chromium	mg/l	-	-	Spot Sample	-	_	<0.001	<0.001
Cobalt	mg/l	-	-	Spot Sample	-	_	<0.001	<0.001
Copper	mg/l	-	-	Spot Sample	-	_	<0.001	0.003
Iron	mg/l	-	-	Spot Sample	-	_	0.02	0.02
Lead	mg/l	-	-	Spot Sample	-	_	<0.001	<0.001
Magnesium	mg/l	-	-	Spot Sample	-	_	43	450
Manganese	mg/l	-	-	Spot Sample	-	_	0.012	0.043
Mercury	mg/l	-	-	Spot Sample	-	_	<0.0001	<0.0001
Nickel	mg/l	-	-	Spot Sample	-	_	<0.001	0.04
Nitrate	mg/l	-	-	Spot Sample	-	_	0.06	<0.01
Potassium	mg/l	-	-	Spot Sample	-	_	6.1	12
Selenium	mg/l	-	-	Spot Sample	-	_	<0.001	<0.001
Silicon	mg/l	-	-	Spot Sample	-	_	2.3	
Silver	mg/l	-	-	Spot Sample	-	_	<0.001	<0.001
Sodium	mg/l	-	-	Spot Sample	-	_	58	150
Sulphate	mg/l	-	-	Spot Sample	-	_	3500	2800
Zinc	mg/l	-	-	Spot Sample	-	_	<0.005	<0.005

NB Shaded areas indicate trigger values have been exceeded.
* Unable to sample

FCNC WATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	11/09/2024	29/12/2024	20/03/2025	21/05/2025
pH	pH Units	-	-	Spot Sample	7.29	7.87	8.4	8.41
Electrical Conductivity	µS/cm	-	-	Spot Sample	870	880	780	810
Total Dissolved Solids	mg/l	-	-	Spot Sample	520	530	470	580
Total Recoverable Hydrocarbons	mg/l	-	15 (TRH)	Spot Sample	<0.3900	<0.3700	<0.3700	<0.3700
Aluminium	mg/l	-	-	Spot Sample	<0.05	<0.05	<0.05	<0.05
Ammonia	mg/l	-	-	Spot Sample	<0.02	<0.02	<0.02	<0.02
Arsenic	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cadmium	mg/l	-	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/l	-	-	Spot Sample	50	36	39	56
Chloride	mg/l	-	-	Spot Sample	10	15	13	11
Chromium	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/l	0.003	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	0.0062	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Iron	mg/l	-	-	Spot Sample	<0.01	<0.01	<0.01	0.05
Lead	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	-	-	Spot Sample	55	51	36	44
Manganese	mg/l	-	-	Spot Sample	<0.005	0.007	0.012	0.02
Mercury	mg/l	-	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	mg/l	0.067	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Nitrate	mg/l	-	-	Spot Sample	<0.01	<0.01	0.04	<0.01
Potassium	mg/l	-	-	Spot Sample	6.2	6.4	5.1	4.8
Selenium	mg/l	-	-	Spot Sample	<0.001	0.001	<0.001	<0.001
Silicon	mg/l	-	-	Spot Sample	22	23	27	
Silver	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	-	-	Spot Sample	75	81	51	69
Sulphate	mg/l	350	500	Spot Sample	11	9.1	13	13
Zinc	mg/l	-	-	Spot Sample	<0.005	<0.005	0.012	<0.005

NB Shaded areas indicate trigger values have been exceeded.

FCSCP2 WATER QUALITY

PARAMETER	UNITS	TRIGGER LEVEL	LIMIT	Averaging Period	11/09/2024	29/12/2024	19/03/2025	21/05/2025
pH	pH Units	-	-	Spot Sample	7.24	8.38	8.46	8.56
Electrical Conductivity	µS/cm	-	-	Spot Sample	1200	850	890	960
Total Dissolved Solids	mg/l	-	-	Spot Sample	700	510	540	620
Total Recoverable Hydrocarbons	mg/l	-	15 (TRH)	Spot Sample	<0.3700	<0.05	<0.3700	<0.3700
Aluminium	mg/l	-	-	Spot Sample	<0.05	<0.05	<0.05	<0.05
Ammonia	mg/l	-	-	Spot Sample	<0.02	0.06	<0.02	<0.02
Arsenic	mg/l	-	-	Spot Sample	<0.001	<0.0001	<0.001	<0.001
Cadmium	mg/l	-	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/l	-	-	Spot Sample	61	38	39	57
Chloride	mg/l	-	-	Spot Sample	17	15	17	17
Chromium	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/l	0.003	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Copper	mg/l	0.0062	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Iron	mg/l	-	-	Spot Sample	<0.01	<0.01	<0.01	<0.01
Lead	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	-	-	Spot Sample	77	60	47	59
Manganese	mg/l	-	-	Spot Sample	<0.005	0.12	<0.005	<0.005
Mercury	mg/l	-	-	Spot Sample	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	mg/l	0.067	-	Spot Sample	<0.001	0.003	<0.001	<0.001
Nitrate	mg/l	-	-	Spot Sample	<0.01	0.24	<0.01	<0.01
Potassium	mg/l	-	-	Spot Sample	6.7	6.5	6	5.1
Selenium	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Silicon	mg/l	-	-	Spot Sample	22	20	25	-
Silver	mg/l	-	-	Spot Sample	<0.001	<0.001	<0.001	<0.001
Sodium	mg/l	-	-	Spot Sample	80	58	59	76
Sulphate	mg/l	350	700	Spot Sample	80	200	110	120
Zinc	mg/l	-	-	Spot Sample	80	<0.005	0.006	<0.005

NB Shaded areas indicate trigger values have been exceeded.

Prepared for
Savannah Nickel Mines Pty Ltd
ABN: 25 103 729 282



2025 Groundwater Monitoring Summary

Savannah Nickel Mine

04-Nov-2025

[redacted]

2025 Groundwater Monitoring Summary

Savannah Nickel Mine

Client: Savannah Nickel Mines Pty Ltd

ABN: 25 103 729 282

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Executive Summary

Savannah Nickel Mines Pty Ltd (Savannah), a wholly owned subsidiary of Panoramic Resources Limited, owns and operates the Savannah Nickel Mine (SNM), located approximately 45 kilometres (km) south of Warmun and approximately 120 km north of Halls Creek in the East Kimberly region of Western Australia.

The SNM is located within the Canning-Kimberley groundwater management area and Upper Ord surface water area. The mine site is located on several mining tenements including: M80/179, M80/180, M80/181, M80/182 and M80/183. Groundwater abstraction is authorised by Licence to Take Water (LTW) GWL153527(6), which permits abstraction of up to 1,446,000 kL/year. The SNM remains in Care and Maintenance following the suspension of mining and processing operations in February 2024 due to sustained low commodity prices.

This Groundwater Monitoring Summary (GMS) addresses the requirements of the approved water operating strategy (WOS), dated 30 October 2020, and approved by the DWER on 12 January 2021. The strategy requires Savannah to undertake a detailed groundwater and surface water monitoring programme across SNM to ensure impacts to water resources in the area are minimised.

The objective of this GMS is to review long-term trends in water level and quality to assess the efficacy of the WOS in managing impacts associated with groundwater at SNM. This GMS presents groundwater monitoring results collected by Savannah from the SNM for the period 1 July 2024 to 30 June 2025.

During the 2024 to 2025 review period, SNM managed groundwater and surface water aspects of the mine generally in accordance with the 2020 WOS. The following conclusions were drawn from this review:

- Groundwater abstraction remained within the licenced allocation of 1,446,000 kL during the past year. Minimal abstraction has occurred (from SMPB02, SMPB03 and SMPB04) during the review period because the mine is under Care and Maintenance. However, monitoring has still been undertaken as required.
- Groundwater levels from operating production bores and nearby monitoring bores responded to abstraction and seasonal recharge. The levels continue to fluctuate within historical ranges and are following stable trends. Notably, groundwater levels have begun recovery with multiple production bores being taken offline when the mine entered care and maintenance in early 2024.
- Groundwater quality data from monitoring bores indicate stable trends during the review period. Brackish groundwater is present at and near the TSF and WSF1, and along the section of Mine Creek where groundwater discharges during and after the wet season. Water quality monitoring data from the nominated surface water sampling locations indicate that surface water is largely unaffected by the operations at the SNM. Elevated salinities and sulphate were noted along a section of Mine Creek during the 2024-25 wet season when water was present.
- The review of triggers and targets indicate:
  - there were no breaches of water quality triggers or limits during the 2024-25 review period.
  - the groundwater levels at bores SMPB02 and SMPB04 did not reach the prescribed minimum levels (two months every two years) due to ongoing groundwater abstraction. All other bores met the minimum level criteria as they were not operated.
- The impact assessment concluded:
  - the quality of water available to receptors has been maintained during the review period.
  - except at bore SMPB02, the availability of groundwater to receptors has been maintained during the review period.
- Data collected throughout the 2024-2025 review period indicate that water monitoring, mitigation and management measures outlined in the 2020 WOS have been sufficient in managing impacts to water resources associated with SNM operations.

- The following changes to the next update of the WOS are recommended:
  - Bore SMMB26 should be removed from the programme as it was destroyed by earthworks in September 2022. AECOM understands a new bore in this area is scheduled to be installed after the final TSF lift (when operations recommence).
  - Bore SMWB09 should be removed from the monitoring programme (WOS Table 8) as no bore with this name exists.
  - Bore SMWB29 and SMWB30 should be removed from the monitoring programme (WOS Table 8) as they have been destroyed by earthworks.
  - Bore SMWB31 should be removed from the monitoring programme (WOS Table 8) as it has been destroyed by fire and replaced by SMWB34.
  - Modifications to equipment in bore SMPB10 should be made to reinstate access to the water table for monitoring purposes. Although not operated in the review period, the bore should remain operable to allow samples at the prescribed intervals to be taken to comply with the WOS.
  - The status of the SMML Camp and Anglo Camp bores should be reviewed to determine if they are still suitable for annual monitoring as prescribed in the WOS.
- Feedback from Savannah indicates that monitoring at bore SMMB20 was not possible because it was damaged and blocked. This bore is in the high-risk domain and, therefore, should be reinstated as soon as possible.
- The datum elevations should be checked to ensure calculated groundwater levels are correct. The calculations should be made using verified elevations of the measurement datum and not ground level, as appears to be the case in several instances. The results should be checked to ensure no levels with a negative RL are reported.
- Data provided by Savannah indicates that daily monitoring at SMPB03 and SMPB12 has been recorded daily as required by the WOS. Svannah has communicated that daily inspection records have been digitised since 1 June 2025.
- The cessation of abstraction from bores SMPB05 to SMPB10 and SMPB12 has allowed the groundwater level to rise to the minimum depths prescribed for the nearby monitoring bores. However, although the groundwater level at SMPB02 has risen in the past year, it has not reached the minimum depth prescribed for SMWB34. Savannah has communicated bore SMPB02 is now being rested to allow the level to recover to meet this trigger.

1.0 Introduction

Savannah Nickel Mines Pty Ltd (Savannah), a wholly owned subsidiary of Panoramic Resources Limited, owns and operates the Savannah Nickel Mine (SNM), located approximately 45 km south of Warmun and approximately 120 km north of Halls Creek in the East Kimberley region of Western Australia (Figure 1). SNM is located within the Canning-Kimberley groundwater management area and draws groundwater from the combined - fractured rock central groundwater resource.

Mining and ore processing at the SNM have been stopped several times in recent years due to fluctuating markets for the nickel sulphide concentrate produced by Savannah. The most recent halt to operations occurred in February 2024 due to sustained low commodity prices. However, monitoring and water management activities have continued throughout these periods to maintain regulatory compliance.

Since operations began groundwater has been abstracted from a fractured rock aquifer for:

- dewatering purposes – from the pit and underground mine
- ore processing and dust suppression – from bores along Fletcher and Stoney creeks
- potable water supply – from a bore near the village
- seepage recovery – from two bores near the tailings storage facility (TSF) and water storage facility 1 (WSF1).

The above mine features are shown on Figure 2. Abstraction is authorised by Licence to Take Water (LTW) GWL153527(8), which permits abstraction of up to 1,446,000 kilolitres (kL)/year. Details of this licence are provided in Table 1. A copy of the licence is provided in Appendix A.

Table 1 Licence to Take Water Details

Item	Detail
Water licence holder	Savannah Nickel Mines Pty Ltd
Name of project	Savannah Nickel Mine
Licence address	Mining Tenements M80/179, M80/180, M80/181, M80/182, M80/183
Groundwater licence	GWL153527(8)
Licence duration	30 August 2033
Licence allocation	1,446,000 kL
Water year	1 July to 30 June
Annual Groundwater Monitoring Summary	by 31 October each year
Triennial Groundwater Monitoring Review	every three years (next due 31 October 2027)

1.1 Water Monitoring Programme

This Groundwater Monitoring Summary (GMS) addresses the requirements of the water operating strategy (WOS), dated 30 October 2020, and approved by the DWER on 12 January 2021. The strategy requires Savannah to undertake a detailed groundwater and surface water monitoring programme across SNM to ensure impacts to water resources in the area are minimised.

This GMS presents groundwater monitoring results collected by Savannah from the SNM for the period 1 July 2024 to 30 June 2025.

The objective of this GMS is to summarise monitoring compliance and deviations from long-term trends in water level and quality to assess the efficacy of the WOS in managing impacts associated with groundwater, including:

- drawdown-related impacts from process water supply abstraction on sensitive groundwater-dependent ecosystems (GDEs) in local riverine ecosystems
- drawdown-related impacts from mine dewatering on the local groundwater resource
- seepage-related impacts on the levels and quality of the groundwater resource
- seepage-related impacts on the quality of groundwater that supports sensitive dependent ecosystems (GDEs) in local riverine ecosystems
- sustainable management of the local groundwater resources.

This GMS report has been prepared in accordance with *Operational Policy No. 5.12. Hydrogeological Reports Associated with a Groundwater Licence* (DoW 2009).

The management objectives that the WOS (AECOM 2020b) addresses include the following:

- record the volumes of water being captured and transferred around the mine site
- avoiding potentially adverse outcomes on groundwater dependent ecosystems and surface water quality by recording:
  - rainfall and evaporation totals to identify climatic influences.
  - changes to the water table to identify trends, mainly from seepage, but also from dewatering.
  - changes to the groundwater and surface water quality, mainly from seepage.

To meet the above objectives, Savannah undertakes an integrated monitoring programme that is based on the three risk domains summarised in Table 2 (AECOM 2020b). The monitoring programme outlined in Table 3 is arranged according to these three risk domains. Further details on the monitoring locations, parameters measured, and frequencies are provided in Appendix B.

Table 2 Water risk domain definitions

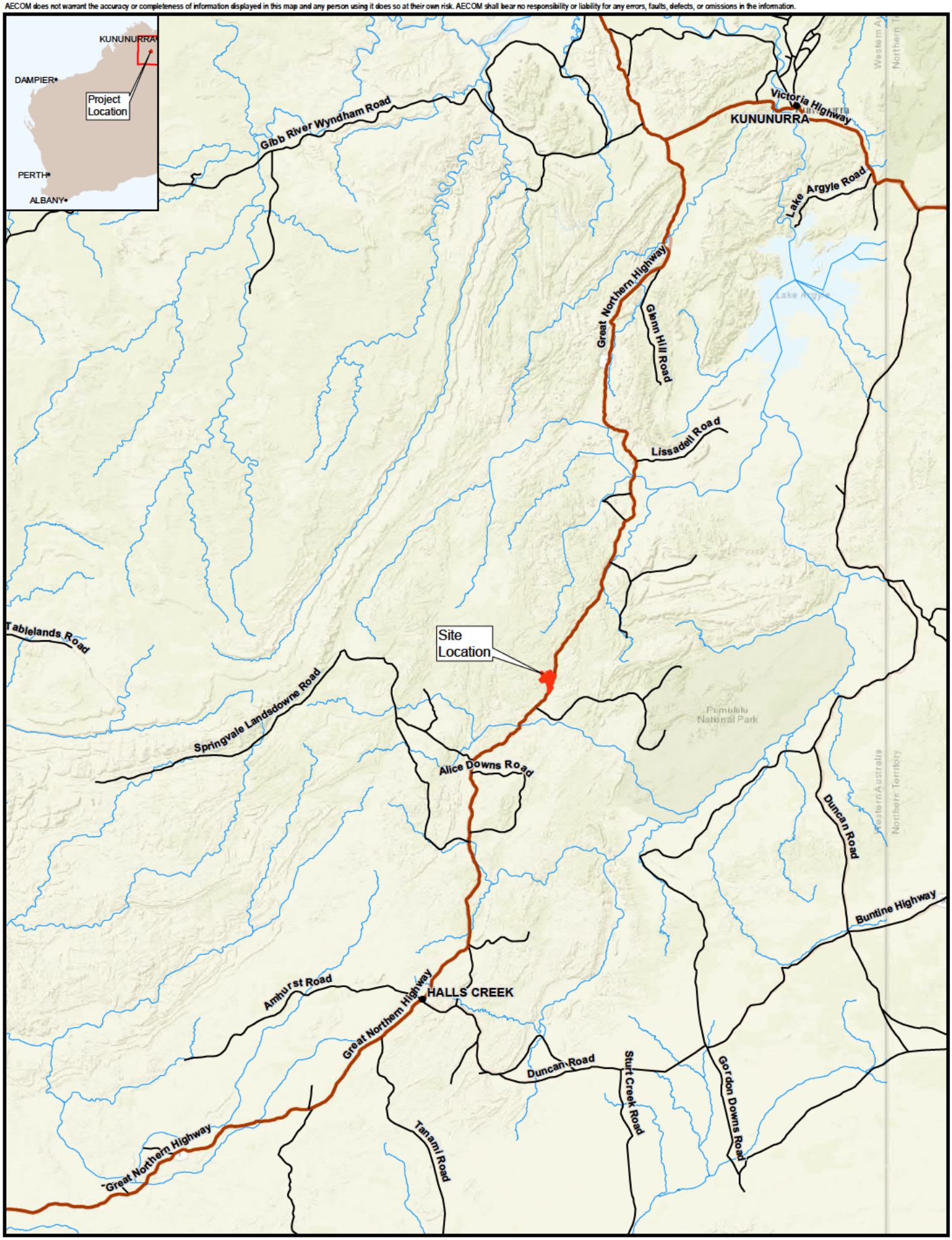
Impacts	Domain	Type of change being monitored	Relative risk
Existing/planned	Inner	Operational change	High
Possible/unplanned	Outer	Seasonal change	Medium
None/background	Regional	Inter-seasonal change	Low

Table 3 Water monitoring programme

Monitoring type	Frequency	Change monitored	Locations
Abstraction volumes	Monthly	Operational	Operational production bores (Figure 2)
	Quarterly[1]	Inter-seasonal	Standby production bores (Figure 2)
Seepage recovery	Daily	Operational	TSF seepage recovery bores (Figure 2)
Mine water distribution network	Monthly	Operational	Metered pipelines associated with surface water storage network
Groundwater levels	Monthly	Operational	All operational production and selected monitoring bores listed in Appendix B.1 and Appendix B.3
	Quarterly	Seasonal	Selected monitoring bores listed in Appendix B.3
	Annually[2]	Inter-seasonal	Standby production and selected monitoring bores listed in Appendix B.1 and Appendix B.3
Groundwater quality	Annually	Operational	All operational production and selected monitoring bores listed in Appendix B.1 and Appendix B.3
	Quarterly	Operational	TSF seepage recovery and monitoring bores listed in Appendix B.3
	Annually[2]	Inter-seasonal	Standby production and selected monitoring bores listed in Appendix B.1 and Appendix B.3
Surface water quality	Quarterly[1]	Operational and seasonal	Locations are listed in Appendix B.4

Notes:
1. opportunistic
2. end of dry season

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0 10 20 30 40
Kilometers

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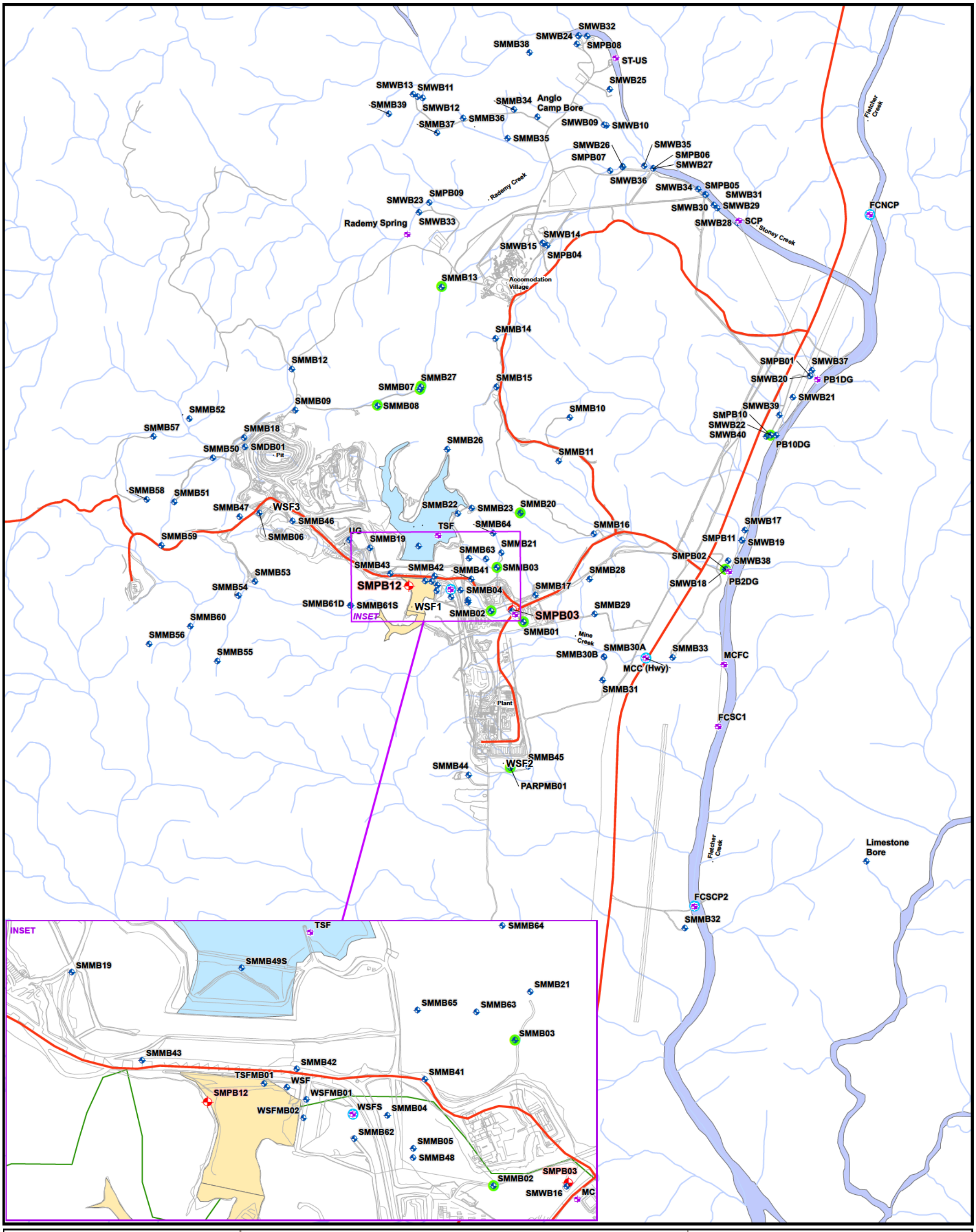
2025 SAVANNAH GROUNDWATER MONITORING SUMMARY

Figure 1

Map Document: \\AUPER1FP001.AU.AECOMNET.COM\Projects\604X\60494677\4. Tech Work Area\4.99 GIS\02_MXDs\01_2018_GOSU\G60494677_Fig1_SiteLocation_v1_A4P.mxd (rob.mcgregor)

A4 size

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metres

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- TSF1 Seepage Production Bores
- SNM Groundwater Monitoring Bores
- Surface Water Monitoring Sites
- DWER Compliance Bores
- DWER Surface Water Complicance Sites
- TSF
- WSF
- Roads
- Site Infrastructure
- Watercourses

Site Facilities, Bore and Monitoring Location Map

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Figure **2**

Map Document: \\na.aecomnet.com\lfs\APAC\Perth-AUPER1\Legacy\Projects\607x\60763139_SNM_Hydro_Services_2025\900_CAD_GIS\920_GIS\02_APRX\01_2025_SMP\01_2025_SMP.aprx (rob.mcgregor)

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2.0 Site setting

2.1 Climate

SNM is situated in the north of Western Australia, in the East Kimberley region, which experiences a tropical monsoon climate. The natural elevation of the site varies between 300 and 400 metres (m) above sea level (ASL). The nearest coastlines are the Timor Sea and the Indian Ocean, situated 300 km to the north and 500 km to the west, respectively.

Rainfall and evaporation are monitored at SNM by Savannah. Monthly rainfall totals for the review period are provided with long-term averages for the region in Table 4. The long-term rainfall and evaporation data has previously been derived from the SILO data drill (Long Paddock 2025).

Rainfall at SNM is typically highest between November and April each year, with over 90% of the site's annual rainfall occurring through this period. Average monthly evapotranspiration rates for the East Kimberley region exceed recorded rainfall across the entirety of the year.

Table 4 Climate data for SNM

Month	Rainfall (mm)		Evaporation (mm)
	Long term average* 2005-2025	2024-2025**	Long term average** 2002-2025
July	5.2	0.8	176.7
August	0.7	0.0	207.1
September	6.0	98.0	226.5
October	33.5	22.0	252.7
November	95.6	52.2	238.0
December	150.0	74.8	224.7
January	222.8	230.4	184.4
February	176.5	220.4	161.9
March	157.8	124.4	175.2
April	24.1	10.6	180.0
May	10.6	92.2	182.3
June	9.5	0.0	165.6
Average annual total	**892.1**	**925.8**	**2,375.0**

Notes: * Site and BOM data (2005-2025)
** Savannah data

2.2 Geology and Hydrogeology

Topography within the vicinity of SNM is dominated by north-northeast trending ridges with narrow intervening valleys. The height difference between the valley floor and ridge crest is typically in the order of 50 m to 80 m. To the east and southeast, these ridges give way to undulating hills and the plains of the Fletcher Creek valley.

Alluvial soils at SNM are generally thin and cover the mid- to low-lying sections of the landscape. The soils are often stony and poorly developed in elevated areas and form sandy and clayey alluvial fans and valley-fill deposits in low-lying areas. The creek beds contain alluvium of variable thickness typically controlled by channel width and position within the catchment.

Locally, soil and alluvium are calcrete-cemented where groundwater perennially discharges, with naturally elevated concentrations of dissolved calcium and magnesium carbonate minerals. One such occurrence of this is the upstream fringing area of Rademy Spring.

Bedrock within the SNM area consists of the Proterozoic Sally Malay Layered Mafic Complex that hosts the sulphide-bearing nickel orebody, and granulite facies, migmatitic gneisses of the Tickalara Metamorphics. The SNM sulphide nickel, copper and cobalt orebody is hosted by the layered mafic-ultramafic Savannah Intrusion, which is enveloped by aluminous metasediments and para-gneisses of the Tickalara Metamorphics.

The SNM ore body is largely confined to a marginal norite unit of up to 40 m in thickness that developed near the base of the intrusion. Areas of massive, matrix and disseminated sulphide mineralisation occur throughout the norite unit, dominated by pyrrhotite, chalcopyrite and pentlandite with minor pyrite.

Three main structures relevant to the understanding of the SNM hydrogeological regime are the 100, 500 and 900 faults. These faults dip at shallow angles and intersect the existing underground mine. The 100 fault dips to the southeast, while the 500 and 900 faults dip to the northwest.

Landform development from weathering and erosion is attributable to variations in bedrock type and the presence of structures. Less resistant rock types tend to outcrop or sub-crop beneath low lying areas or larger creek lines. These creeks tend to follow stratigraphic or geological contacts, or isolated geological structures such as faults and shears. It is inferred that the section of Rademy Creek between the pit and Rademy Spring follows the 100 Fault.

Bedrock weathering depth and intensity is highly variable across the site due to the resistive nature of some of the siliceous rock types and presence of low-angled faults that have promoted localised weathering. Overall, the depth of weathering is approximately 20 metres below ground level (mbgl). Weathering intensity is typically less in elevated areas compared to low-lying areas.

Two aquifer systems have been identified at SNM. The aquifers are described as follows:

- **Superficial deposits of sand and gravel**:
    - Deposits are frequently dislocated by areas of protruding bedrock outcrop. Aquifer yields are variable, and controlled by local primary permeability, porosity, and saturated thickness. Infiltrating streamflow recharges these aquifers, and baseflow to the creeks is a form of aquifer discharge. These aquifers are not used as a water source aquifer at SNM.
- **Weathered and/or fractured bedrock**:
    - This unit is typically restricted to within 20 m of the surface and is highly varied in extent and hydraulic properties due to the structural integrity, degree of weathering, depth, and lithology. The groundwater yields from this aquifer are strongly dependent on local variations of the attributes described above and interconnection with recharge sources such as regional shears, weathered zones and superficial deposits overlying surface drainages.
    - The fractured rock aquifers contain a complex series of groundwater flow paths, controlled by hydraulic interconnections and recharge, or loss from external sources such as rainfall, runoff, and evaporation.
    - During the wet season, groundwater discharges to creek lines in low-lying and mid-slope reaches of the catchment. After the wet season, groundwater drains from the weathered and fractured bedrock aquifer supporting a recessional baseflow in low-lying parts of the catchment. Late in the dry season, groundwater continues to flow to the larger creek lines where it either evaporates from isolated pools such as Rademy Spring or is consumed through transpiration by riverine vegetation.
    - The water balance in this environment is characterised by local recharge and discharges to local creek lines. Groundwater that naturally discharges to the surface does not re-enter the ground but becomes baseflow to the surface water flow system.

Groundwater near SNM is fresh and typically near-neutral pH. The quality varies depending on catchment position and presence of mineralisation. Elevated concentrations of some analytes such as sulphate, calcium and magnesium reflect the oxidation of sulphide minerals and weathering of the ultramafic bedrock.

2.3 Nearby Water Uses

Savannah has been operating on and off since 2004 and has an extensive groundwater and surface water monitoring network. Environmental impact assessments conducted throughout the operational history of the SNM have focused on:

- Mabel Downs pastoral bores
- the availability of surface water in pools along Fletcher Creek and at Rademy Spring for local aquatic ecosystems and dependent vegetation
- the quality of surface water in Fletcher Creek and the Ord River.

3.0 Water Circuit

The water circuit at the SNM comprises:

- two water supply borefields comprising six bores along Fletcher and Stoney creeks
- one seepage recovery borefield comprising two bores and two sumps
- one potable water bore located near the village
- TSF including tailings delivery lines and spigots, decant pond, and return water pipeline
- mine dewatering system that drains the open pit and underground workings
- three water storage facilities (WSFs)
- one process area recovery pond (PARP)
- a raw water dam (RWD) and a process water dam (PWD)
- the ore processing plant
- a paste-fill plant.

The above elements, key pipeline connections and flow meter locations are shown on Figure 3 (AECOM 2020b). Further details on each of the above water circuit elements are discussed in the following sections.

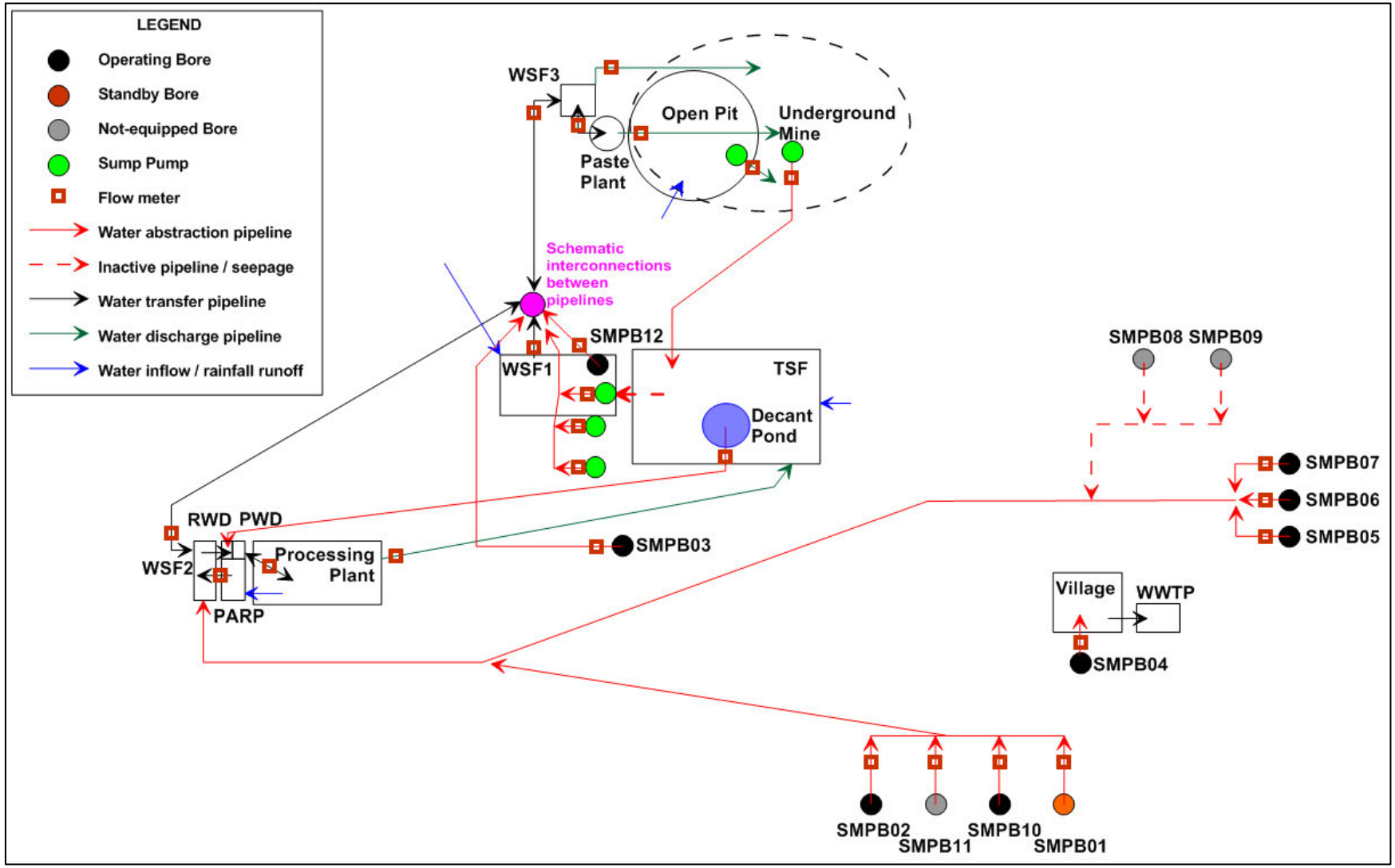


Figure 3 SNM water circuit

3.1 Groundwater

3.1.1 Production Bore Network

The bore network comprises the Fletcher Creek Borefield, Stoney Creek Borefield, a potable groundwater bore and two TSF seepage recovery bores. A summary of production bore details is presented in Table 5 and Figure 2.

The seepage recovery borefield is configured to abstract groundwater from bores SMPB03 and SMPB12 located downstream of WSF1 and the TSF. This abstraction serves two purposes:

1. intercept seepage to minimise discharges to Mine and Fletcher creeks, and
2. provide a water supply for ore processing.

Bore SMPB03 is operated continuously for these purposes. Bore SMPB12 has operated only intermittently since February 2023 due to recent access and mechanical issues. Abstracted groundwater is initially pumped to WSF2; however, if capacity limits are being reached at this location water is diverted to WSF3.

When the mill was operating, Savannah abstracted groundwater for use in ore processing, paste-fill generation, and dust suppression from the WSFs and the PARP. If available groundwater reserves were being depleted, Savannah also pumped groundwater from the Fletcher Creek Borefield and Stoney Creek Borefield. The operating hierarchy is:

1. to initially draw groundwater from bore SMPB05 then SMPB02
2. to minimise changes to the water table, these bores are then cycled with SMPB10 and SMPB06
3. standby bores SMPB01 and SMPB07 that are only operated if one of the primary bores in each borefield malfunctions.

Potable water is supplied to the SNM village from SMPB04. Potable water for SNM operational areas is supplied from bores in the Fletcher Creek Borefield and Stoney Creek Borefield but preferentially from SMPB05. Abstraction occurs as required to maintain adequate storage in tanks.

Most production bores are currently on standby due to the mine entering care and maintenance in February 2024. During the 2024 – 2025 reporting period, only SMPB02, SMPB03, and SMPB04 were operated.

Details of the flow meters installed across the SNM borefields are provided in Appendix B.2.

Table 5 Production bore details

Bore No.	Location (MGA94 Zone 52)		Pump Installed	Pump Setting (mbgl)	Nominal Duty Rate (L/s)	Status
	Easting (m)	Northing (m)				
SMPB01	399,143.3	8,082,037.7	Grundfos SP46-6	25	10	Standby (FC)
SMPB02	398,658.2	8,080,922.4	Grundfos SP17-7	25	4	Op (FC)
SMPB03	397,431.2	8,080,688.8	Grundfos SP17-8	-	4	Op (TSF/MC)
SMPB04	397,631.6	8,082,787.6	Grundfos SP46-6	32	10	Op (camp)
SMPB05	398,539.9	8,083,079.7	Grundfos SP17-7	25	3	Standby (SC)
SMPB06	398,240.2	8,083,229.5	Grundfos SP46-6	25	10	Standby (SC)
SMPB07	398,065.4	8,083,239.6	Grundfos SP17-8	25	5	Standby (RC)
SMPB08	397,860.2	8,083,995.0	Not equipped	N/A	N/A	Not Op (SC)
SMPB09	396,952.2	8,083,036.7	Not equipped	N/A	N/A	Not Op (RC)
SMPB10	398,917.7	8,081,693.9	Grundfos SP17-10	-	5	Standby (FC)

Bore No.	Location (MGA94 Zone 52)		Pump Installed	Pump Setting (mbgl)	Nominal Duty Rate (L/s)	Status
	Easting (m)	Northing (m)				
SMPB11	398,752.0	8,081,089.2	Not equipped	N/A	N/A	Not Op (FC)
SMPB12	396,836.3	8,080,837.9	Grundfos SP46-10	18	8	Not Op (WSF1)

Notes: FC- Fletcher Creek, SC – Stoney Creek, RC – Rademy Creek.
Op – operational, Not Op – not operational.
All bores extract groundwater from the fractured rock aquifer.

3.1.2 Mine Dewatering

The mine pit is typically dry with minor seepage from several locations in pit walls; however, this water generally evaporates before collecting in the floor sump. During the wet season, water collects at the 2,245 level (or 245 mAHD) and is redirected via four 110 mm diameter polyethylene pipelines to the 2,215 Pumping Station situated in the underground mine at the 2,215 level (or 215 mAHD).

The sump present at the 2,245 level provides a buffer to prevent direct inflows from rainfall runoff entering the underground workings. This water is treated as clean water and pumped to WSF1 via one 225 mm diameter polyethylene pipeline by up to four dedicated WT104 (wear tough) mono pumps. These pumps are disconnected during the dry season to allow mining activities at the 2,245 level when flooding risk is low.

Groundwater, and in-pit runoff that collects in underground mine sumps is pumped to the PWD via WSF1 where it is normally used for ore processing, paste-fill generation, or dust suppression. The dewatering rate from the mine varies seasonally due to captured rainfall runoff within the pit and generally higher inflow rates during and after the wet season.

Groundwater collected in underground workings is considered potentially contaminated and as such is directed to the WSF3 for settlement and reuse. This water is sent by one or more 20-kilowatt (kW) Flygt pumps, which operate on a timer / overload system to a staged series of model WT103 mono pumps, which transfer the water to Pumping Station No. 1 located at the 2,248 level. This station comprises three WT104 mono pumps with individual capacities of 1,900 kL/day or 22 L/s. Generally, only one or two pumps operate at any one time. The third pump is available for standby capacity during breakdown or maintenance periods. All three pumps can be operated during high rainfall events if required. All WT103 and WT104 mono pumps are operated by float switches. Additional Flygt and mono pumps operate in the Savannah North development, but all dewatering reports to Pumping Station No. 1, where it is combined with other inflows from the mine.

Mine dewatering has continued during the current care and maintenance period. This is required to maintain the integrity of underground infrastructure.

3.2 Surface Water

Water generated through mine dewatering, TSF decant returns (when operating) and rainfall runoff is stored or transferred to dams that are normally used for ore processing, paste-fill generation, and dust suppression. When the plant is not operating, the dewatering discharge continues to be directed to WSF3, then to WSF2 and/or the TSF for storage and evaporation. This scheme allows SNM to contain seasonal fluctuations in water captured by the mine and WSF1 in conjunction with the seepage interception system. As a result, water is transferred between various water storages as required.

The following sections summarise the surface water storage and transfer network at SNM.

3.2.1 Surface Water Storage Facilities

At the SNM, clean surface water is stored WSF1, WSF2 and WSF3 (Figure 2 and Table 6). WSF1 is a valley-fill type dam, located below the TSF, behind an engineered earth and rock-fill embankment. WSF1 collects rainfall runoff from a small catchment (12.4 hectare [ha]) including the mine haul road, parts of the waste rock dump and underground portal area.

A collection system is located within WSF1 that intercepts seepage from the TSF. Additionally, the WSF Seepage Pond and Mine Creek Sump are equipped with 20 kW and 8 kW sump pumps to intercept seepage that would otherwise discharge to Mine Creek. Clean runoff from the area upstream of WSF1 along Mine Creek is diverted from WSF1 by an engineered rock embankment that discharges to a lower part of Mine Creek through an engineered cut.

WSF2 and WSF3 are both paddock-style dams that are High Density Polyethylene (HDPE)-lined to minimise seepage. Both dams store excess water from the underground mine, TSF, WSF1 and the PARP. Water from WSF2 is normally used for ore processing, dust suppression and as a supply to the mill fire water tank.

WSF3 stores water pumped from WSF1 and seepage recovery bore SMPB12 (when operating). This water is normally used at the paste fill plant, for drilling and dust suppression in the underground mine and for dust suppression on haul roads. Excess water from WSF3 is gravity fed to the RWD and WSF2. Water is pumped on demand from the WSFs by electric transfer pumps located beneath a pontoon in the middle of each dam.

3.2.2 Process Area Recovery Pond

The Process Area Recovery Pond (PARP) collects rainfall runoff from the plant area that is identified as potentially contaminating. The PARP is lined with HDPE to minimise seepage and is stepped to allow effective pumping when levels are reduced. Water collected in the PARP is used preferentially by the plant (when operating) over all other sources to provide safe storage capacity in the event of repeated and/or extreme rainfall and to ensure the efficient reuse of mine water. In the event of heavy rainfall, water from the PARP is pumped to the WSFs to minimise risk of overflow and unplanned discharge to the environment.

3.2.3 Raw Water Dam and Process Water Dam

The Raw Water Dam (RWD) and Process Water Dam (PWD) are HDPE-lined dams used for temporary storage of raw water sourced from the WSFs and TSF. The dams are located alongside the PARP. The PWD receives water from the processing plant overflow and TSF decant, which is then recycled to the processing plant when required. Excess water is transferred from the RWD to the PWD, then to the PARP.

Table 6 Water storage site details

Site Name	Maximum Operating Volume (ML)	Maximum Operating Level (mAHD)	Spillway Elevation (mAHD)
WSF1	132.4	335.9	336.5
WSF2	46.1	318.4	318.7
WSF3	14.0	390.8	391.2
PARP	42.7	318.7	319.0
PWD	1.7	320.2	320.5
RWD	1.8	320.5	320.8
TSF*	95.6	377.7	378.0

*Notes: * Values listed represent current volume and heights which will change as the TSF fills or the embankments are lifted.*

4.0 Monitoring Results

4.1 Groundwater Abstraction and Water Balance

Monthly groundwater abstraction totals recorded from the abstraction points are shown in Table 7. Time plots showing the monthly abstraction compared to rainfall, groundwater level and salinity are shown in Figure 4 to Figure 12. Current and historical abstraction volume data, and monthly flow meter data for the distribution network are also provided in Appendix C.

Annual abstractions over the past five-year period compared to the licenced allocation are as follows:

- 2020 - 2021 reporting period: 16 % of annual allocation
- 2021 - 2022 reporting period: 40 % of annual allocation
- 2022 - 2023 reporting period: 29 % of annual allocation
- 2023 - 2024 reporting period: 28% of annual allocation
- 2024 - 2025 reporting period: 24% of annual allocation.

The volume of pumped water in the 2024-2025 review period was in line with records for the past 5 years, reaching 24% of the LTW allocation.

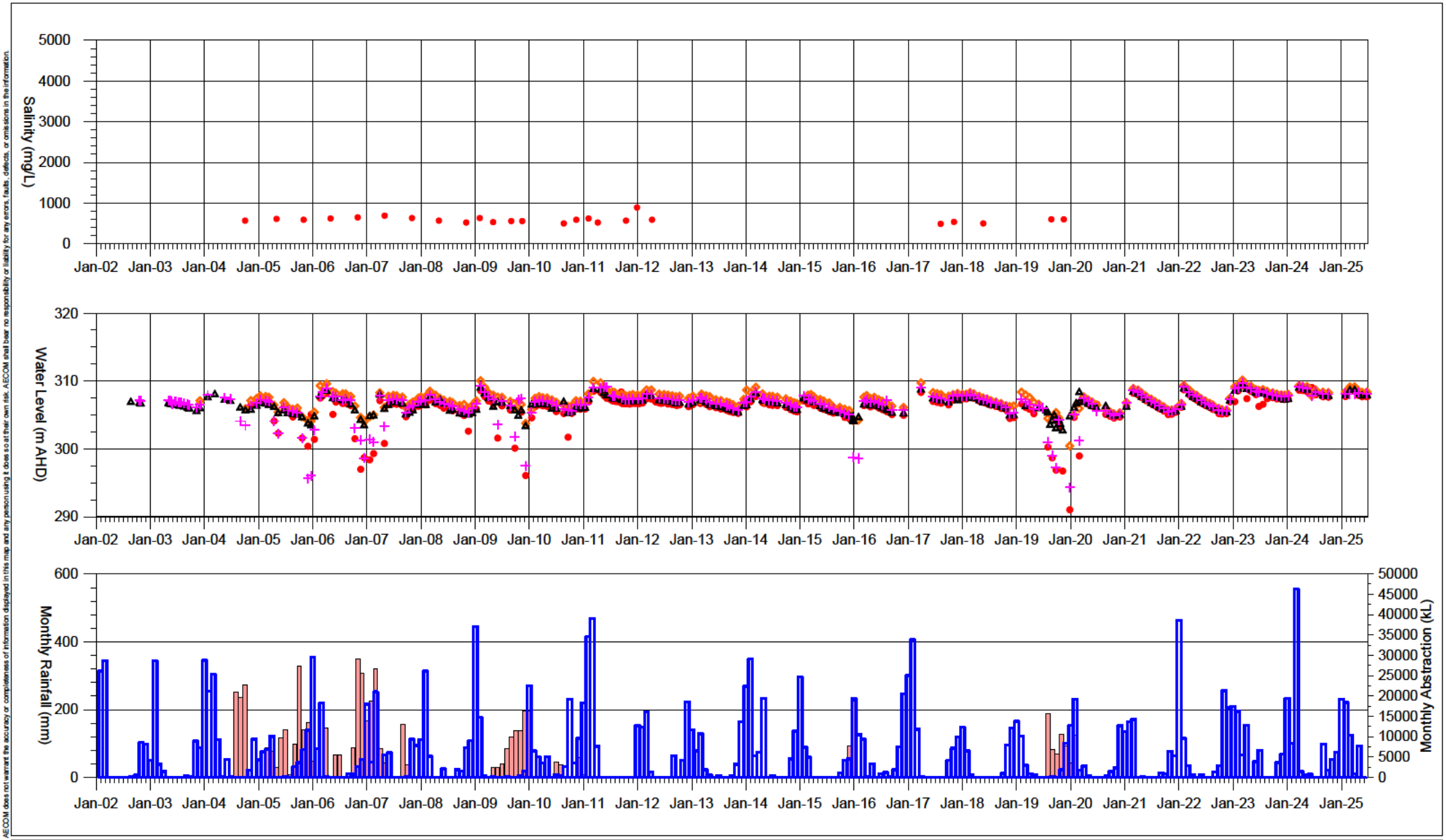
Most of the production bores were not operated due to the mine entering care and maintenance in February 2024. As a result, in 2024-2025 SMPB02, SMPB03, and SMPB04 have recorded lower abstraction values (138,432 kL) than during the 2023-2024 period (180,011 kL).

Abstraction from SMPB05 to SMPB10 and SMPB12 have either ceased or remained negligible since the mine entered care and maintenance in February 2024.

Mine dewatering volumes were calculated as a net value of all inputs and outputs and totalled 217,404 kL for the 2024-25 water year. This has resulted in the recording of the largest mine dewatering volume (217,404 kL) in the past five years. This is attributed to the recovering water table and above average rainfall.

Table 7 SNM annual abstraction summary 2021-2024

Bore ID	Volume per water year (kL)				
	2020 - 2021	2021-2022	2022-2023	2023 - 2024	2024 - 2025
Water Supply Production Bores					
SMPB01	-	-	-	0	0
SMPB02	1,071	9	34,641	49,344	50,076
SMPB05	19,550	54,765	42,343	8,352	1
SMPB06	2,327	118,155	115,057	3,819	2
SMPB07	2	93,161	71,738	26,760	538
SMPB08	-	-	-	0	0
SMPB09	-	-	-	0	0
SMPB10	-	-	-	6,729	1
Total abstraction	**22,950**	**266,090**	**263,778**	**95,005**	**50,617**
Seepage Recovery					
SMPB03	81,884	80,155	68,489	68,133	55,061
SMPB12	44,366	96,794	59,341	4,306	0
Total seepage recovery	**106,607**	**176,960**	**127,830**	**72,438**	**55,061**
Potable Water Supply					
SMPB04	29,673	50,436	65,968	47,097	33,295
Mine Dewatering					
Net dewatering (underground)	78,146	79,761	-33,055	151,468	217,404
Total abstraction	**233,995**	**573,237**	**424,521**	**366,008**	**350,758**
Percentage of allocation	**16**	**40**	**29**	**28**	**24**



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LEGEND

- SMWB20
- SMWB21
- SMWB37
- SMPB1
- SMPB1 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

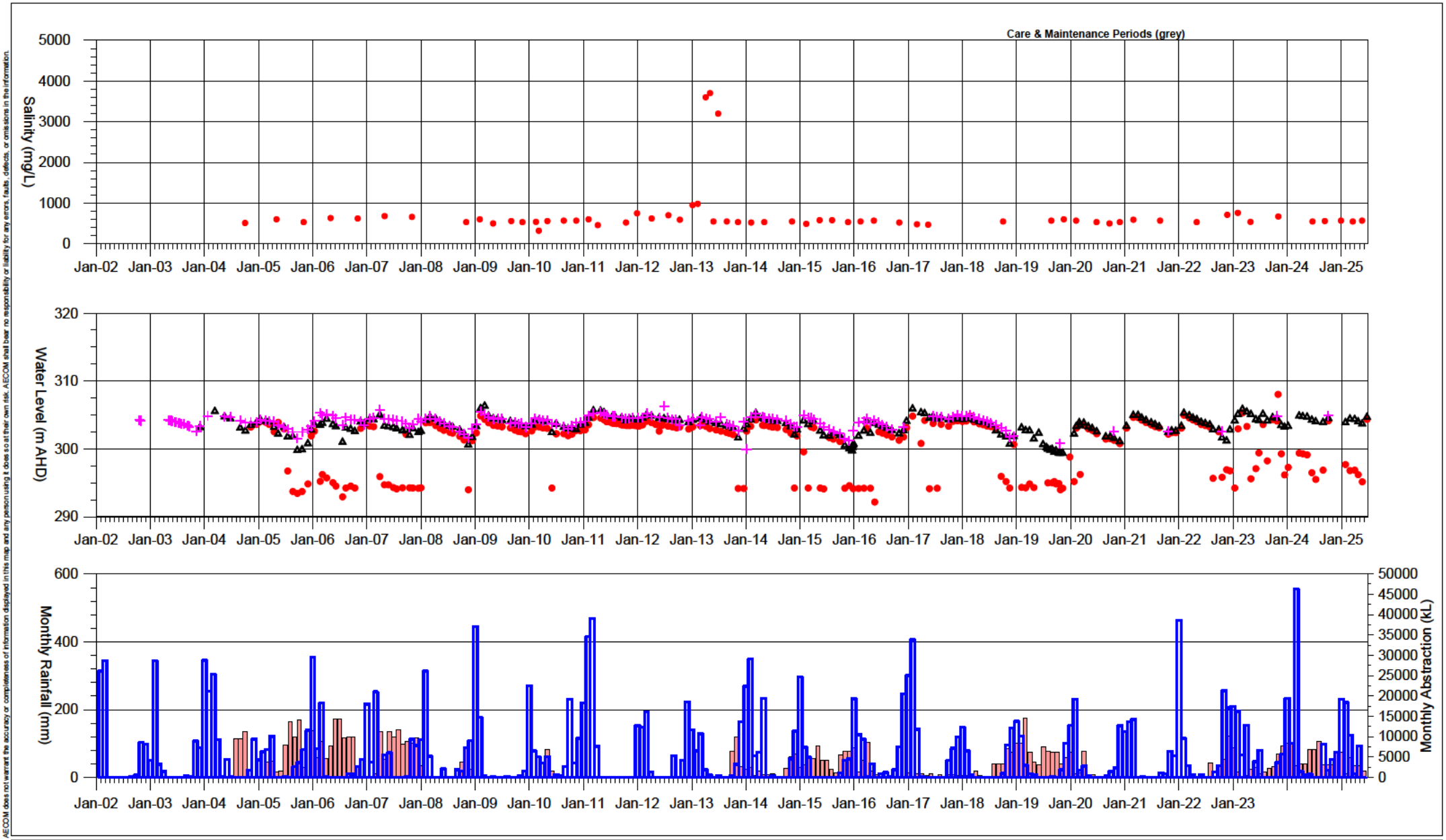
SMPB1.grj

HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB01

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Figure 4



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LEGEND

- SMWB19
- SMWB38
- SMPB02
- SMPB02 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

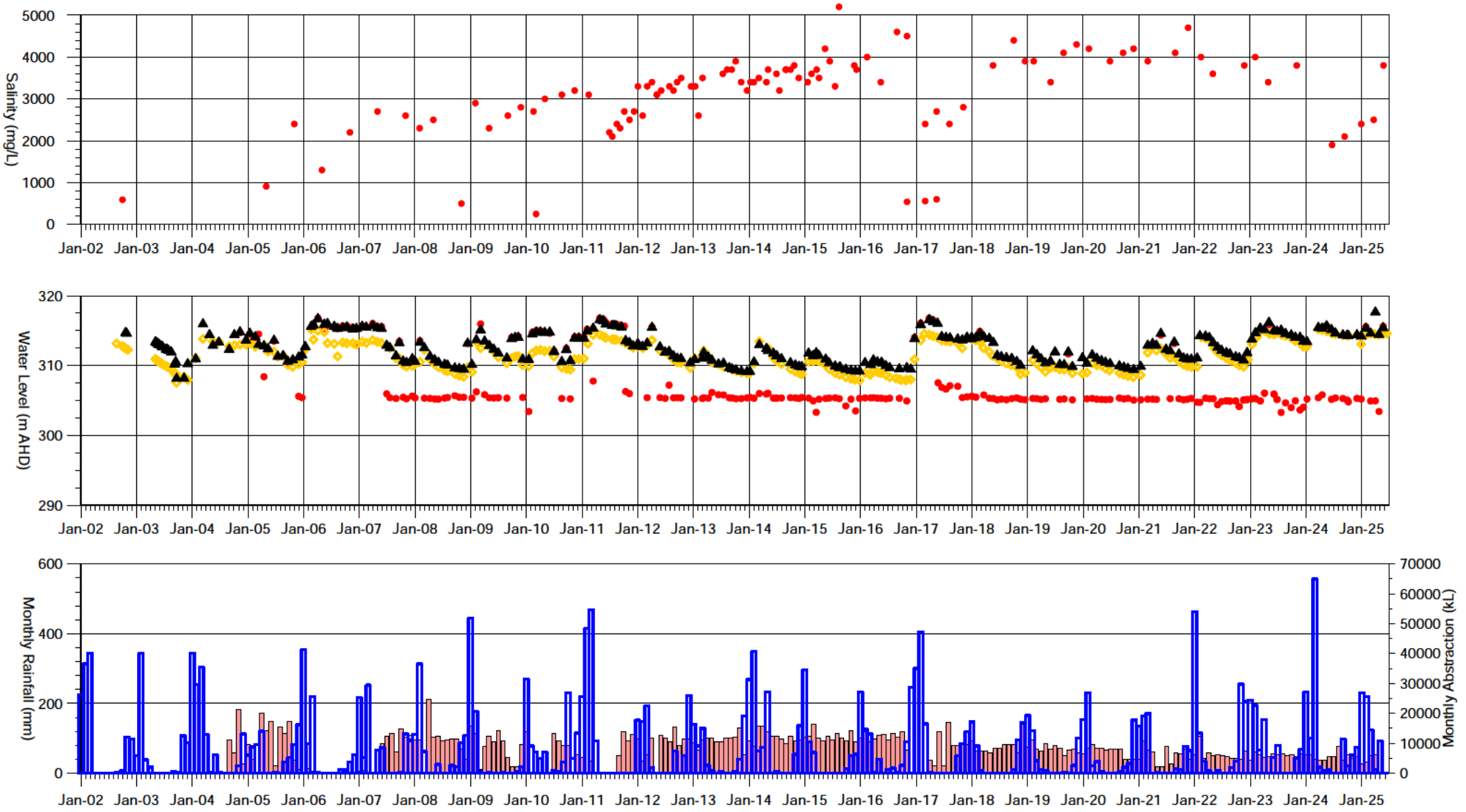
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HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB02

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2025 GROUNDWATER MONITORING SUMMARY

Figure **5**



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LEGEND

- SMWB16
- SMMB01
- SMPB03
- SMPB03 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

SMPB03.gpj

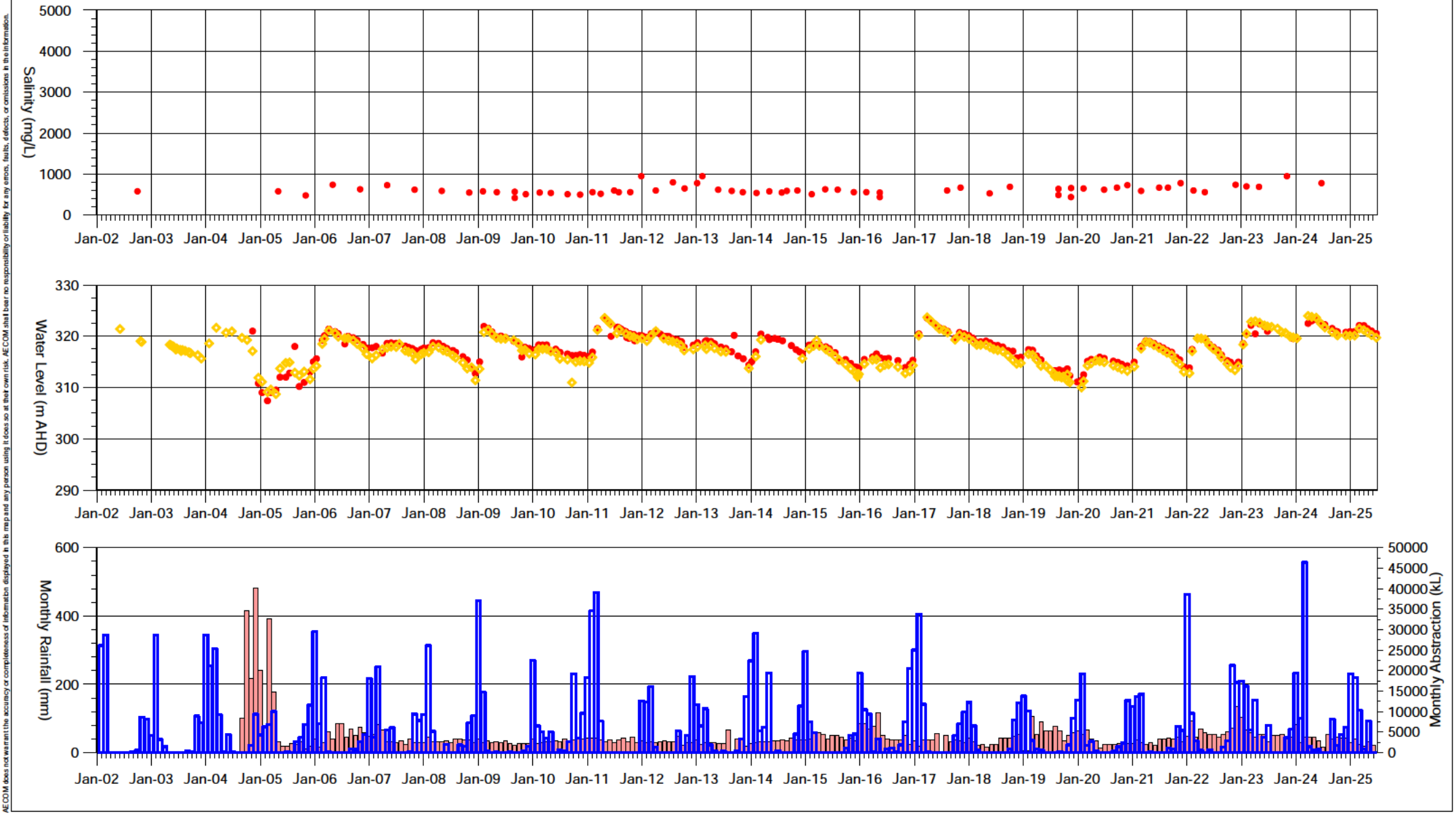
HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB03

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2025 GROUNDWATER MONITORING SUMMARY

Figure **6**

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LEGEND

- SMWB15
- SMPB04
- SMPB04 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

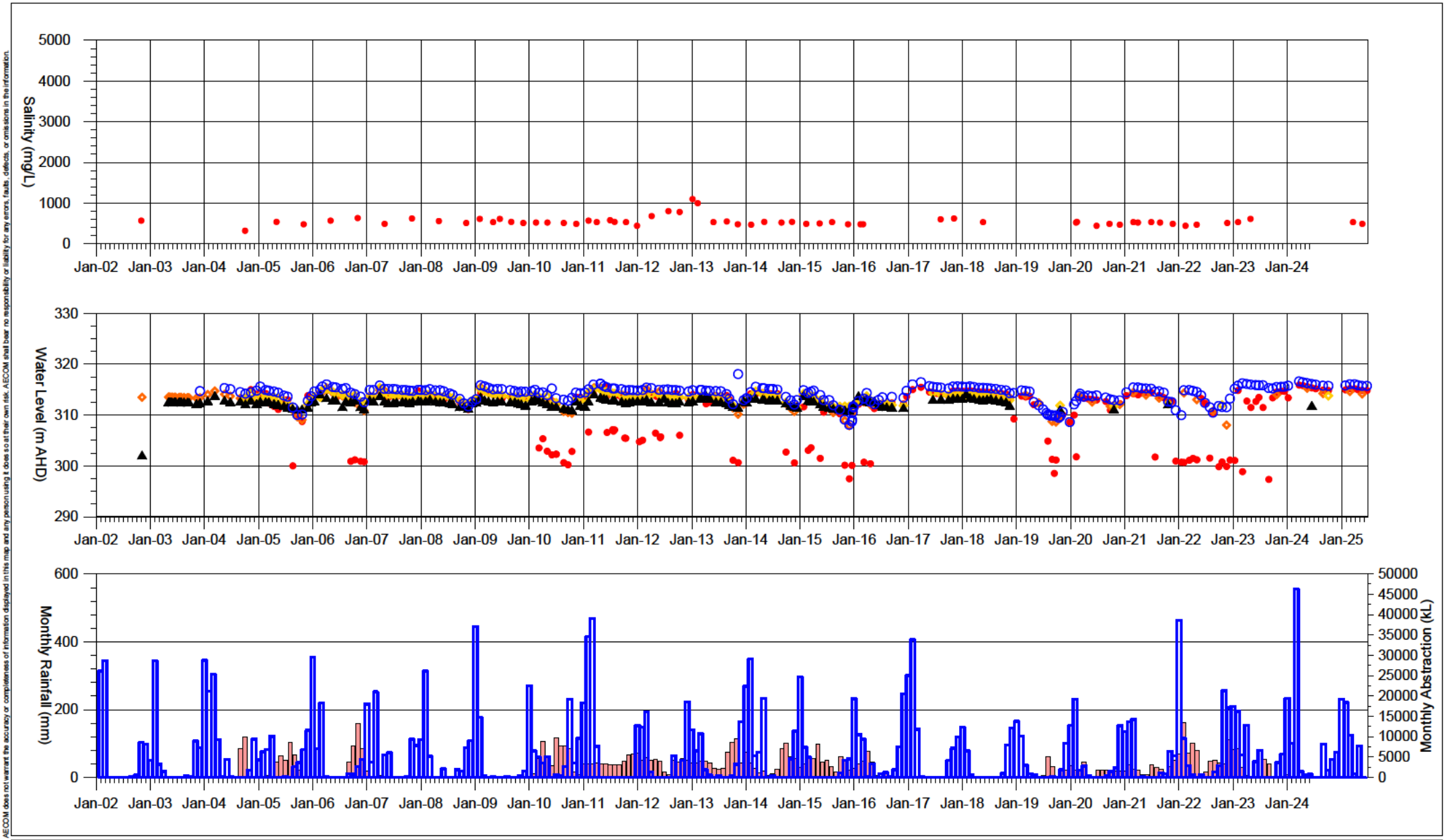
SMPB4.gpj

HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB04

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2024 GROUNDWATER MONITORING REVIEW

Figure **7**



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LEGEND

- SMWB28
- SMWB29
- SMWB30
- SMWB34
- SMPB05 Abstraction
- Rainfall
- SMPB05

Data sources: Savannah Nickel Mines Pty Ltd

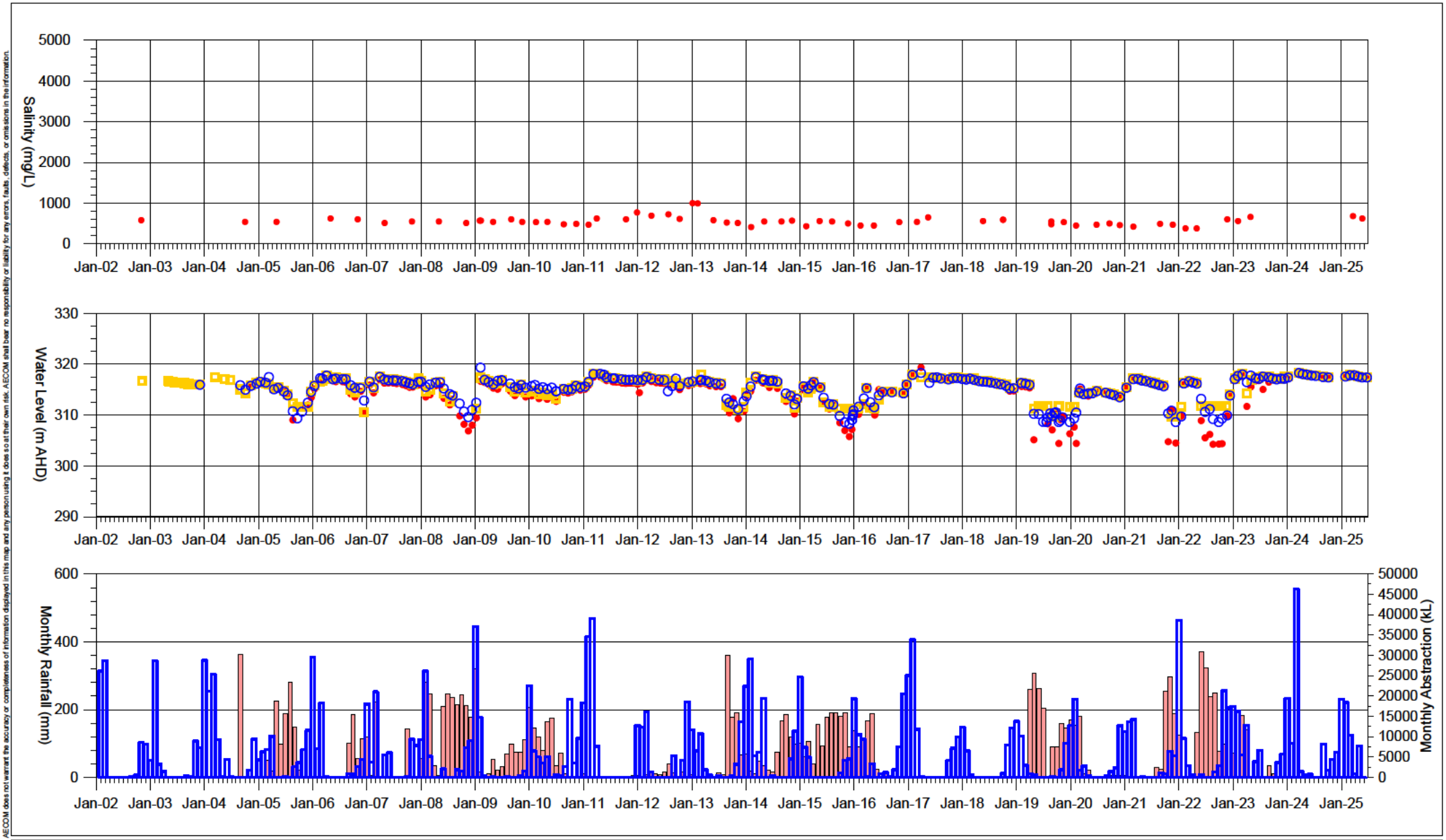
SMPB5.gpj

HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB05

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Figure 8



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LEGEND

- SMWB27
- SMWB35
- SMPB06
- SMPB06 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

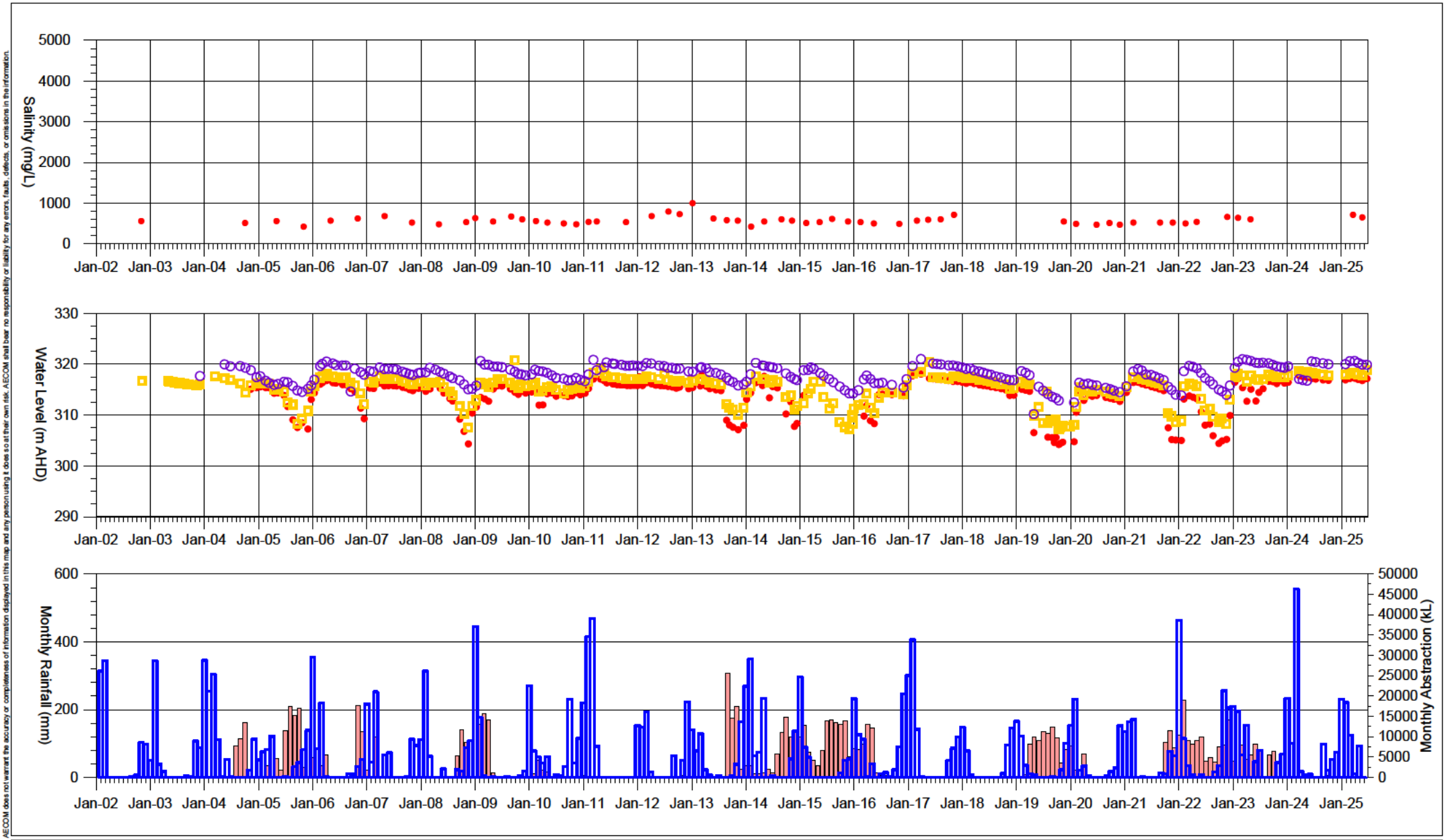
SMPB6.gpj

HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB06

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Figure **9**



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LEGEND

- SMPB07
- SMWB26
- SMWB36
- SMPB07 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

SMPB7.grj

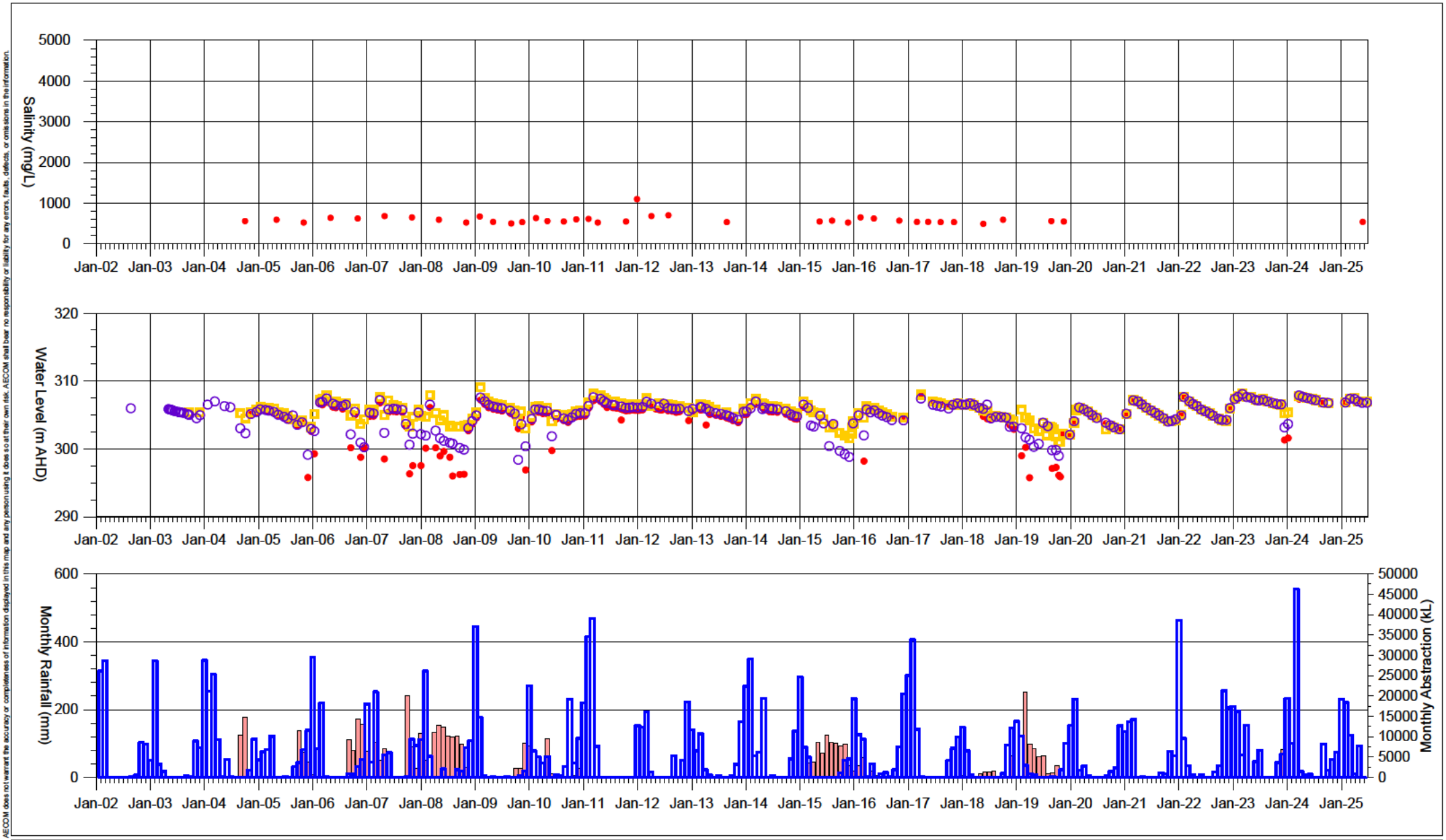
HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB07

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Figure **10**

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LEGEND

- SMWB40
- SMWB22
- SMPB10
- SMPB10 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

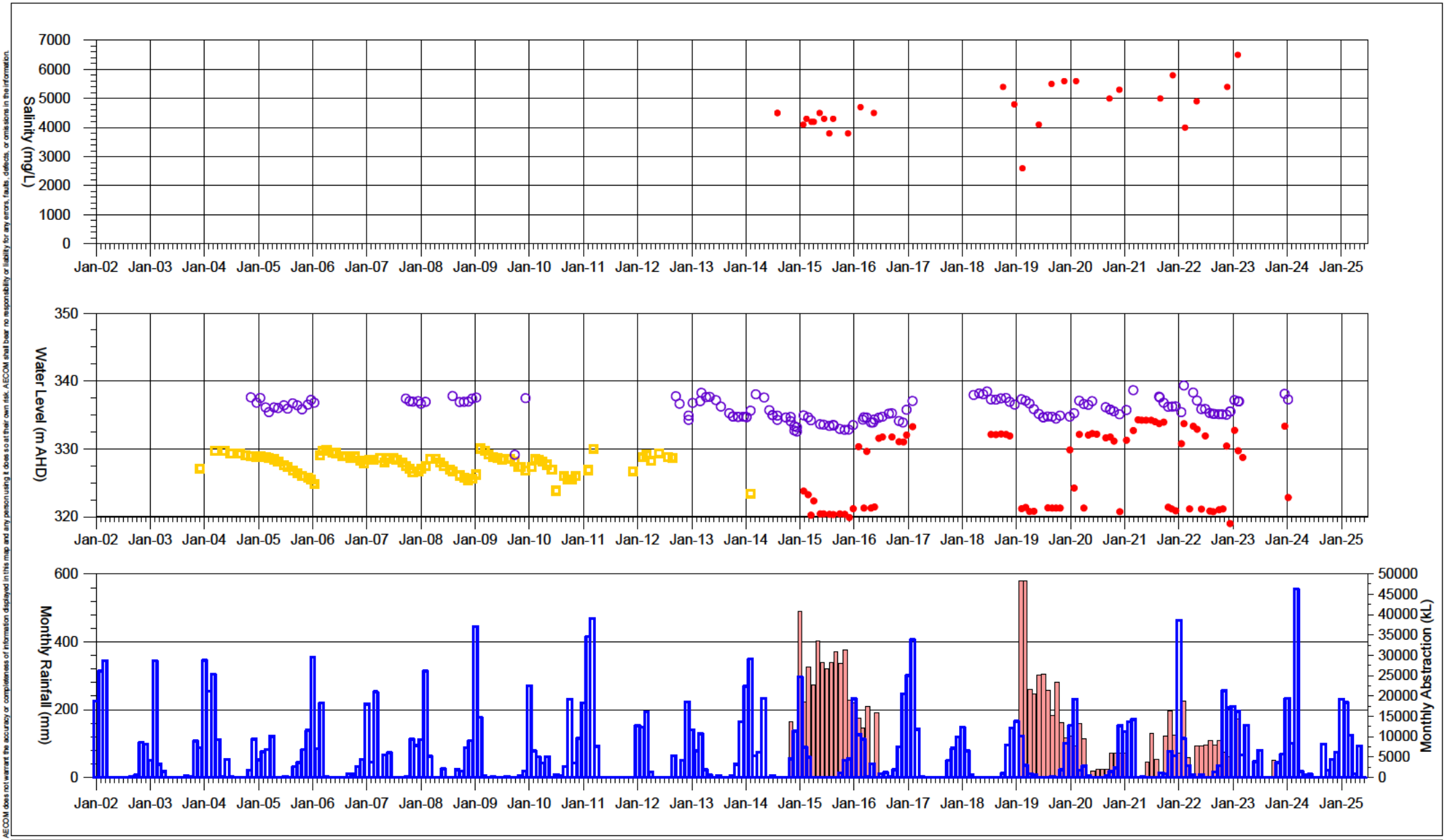
SMPB10.gpj

HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB10

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Figure **11**



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LEGEND

- SMWB43
- TSFMB01
- SMPB12
- SMPB12 Abstraction
- Rainfall

Data sources: Savannah Nickel Mines Pty Ltd

SMPB12.gpj

HYDROGRAPHS AND SALINITY PLOTS WITH RAINFALL BORE SMPB12

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2025 GROUNDWATER MONITORING SUMMARY

Figure **12**

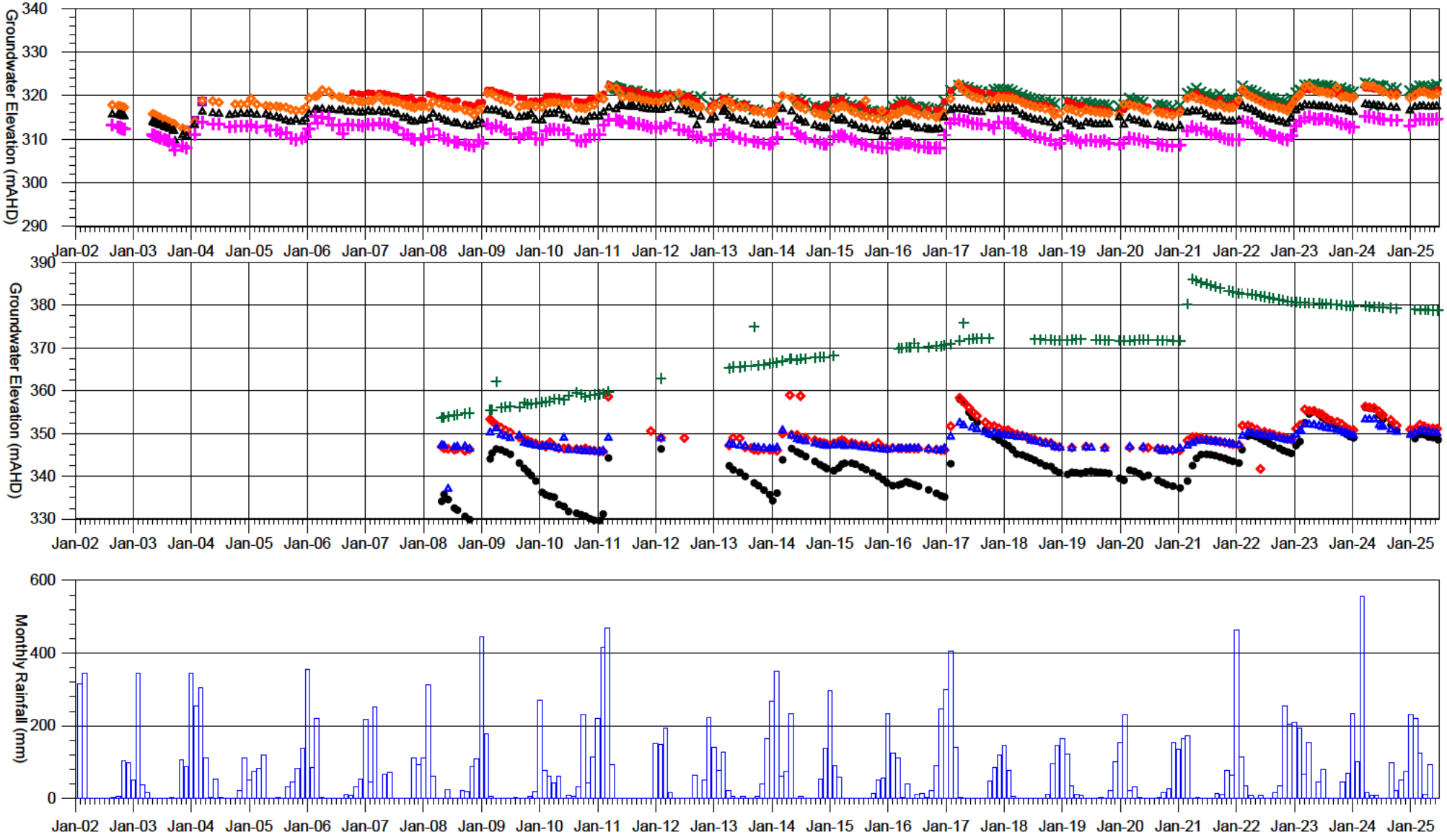
4.2 Groundwater Levels

Hydrographs for groundwater levels recorded from the production bores since 2002 are provided on Figure 4 to Figure 12 alongside monthly rainfall records, groundwater abstraction data and groundwater salinity. Hydrographs showing data for bores in the monitoring network are provided on Figure 13 to Figure 18. The raw groundwater level data are provided in Appendix D.

The trends observed during the review period indicate that groundwater levels were recovering (since the mine entered care and maintenance in February 2024), except for groundwater levels near SMPB01 and SMPB02 that appear stable, likely due to the proximity to Fletchers Creek.

Groundwater level tends observed over the monitoring period as follows:

- Groundwater levels measured during the review period are recovering because of a decrease in borefield abstraction and recent above average rainfall totals (2024-2025). Even the levels at and near the remaining operating bores (SMPB02, SMPB03 and SMPB04) have recovered.
- Groundwater levels recorded near seepage recovery bore SMPB03 have risen to the upper end of their historical ranges. However, the level in the pumping bore remains stable. This suggests the production bore is either not well connected to the aquifer, or hydraulically inefficient – the pumping rate is limited by the bore rather than the aquifer. This further suggests that the capture zone around bore SMPB03 is small.
- Monitoring bores elsewhere across the SNM site are fluctuating less in the past two years than previously. Dry season levels in 2025 are often equal to or higher than wet season levels during successive dry years (2012-2016 and 2019-2023). This suggests the successive above-average wet seasons are resulting in a natural accumulation of groundwater in the fractured bedrock aquifer. This is more apparent in the SMMB-series bores in elevated areas, while the maximum levels in bores the SMWB-series bores near Fletcher Creek are controlled by groundwater discharging to surface water flows.



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SMMB01-SMMB09.gpj

LEGEND

Top Graph:		Middle Graph:	
+	SMMB1	+	SMMB6
▲	SMMB2	▲	SMMB7
◇	SMMB3	◇	SMMB8
□	SMMB4	●	SMMB9
●	SMMB5		
×	SMMB48 (SMMB5 Replacement)		

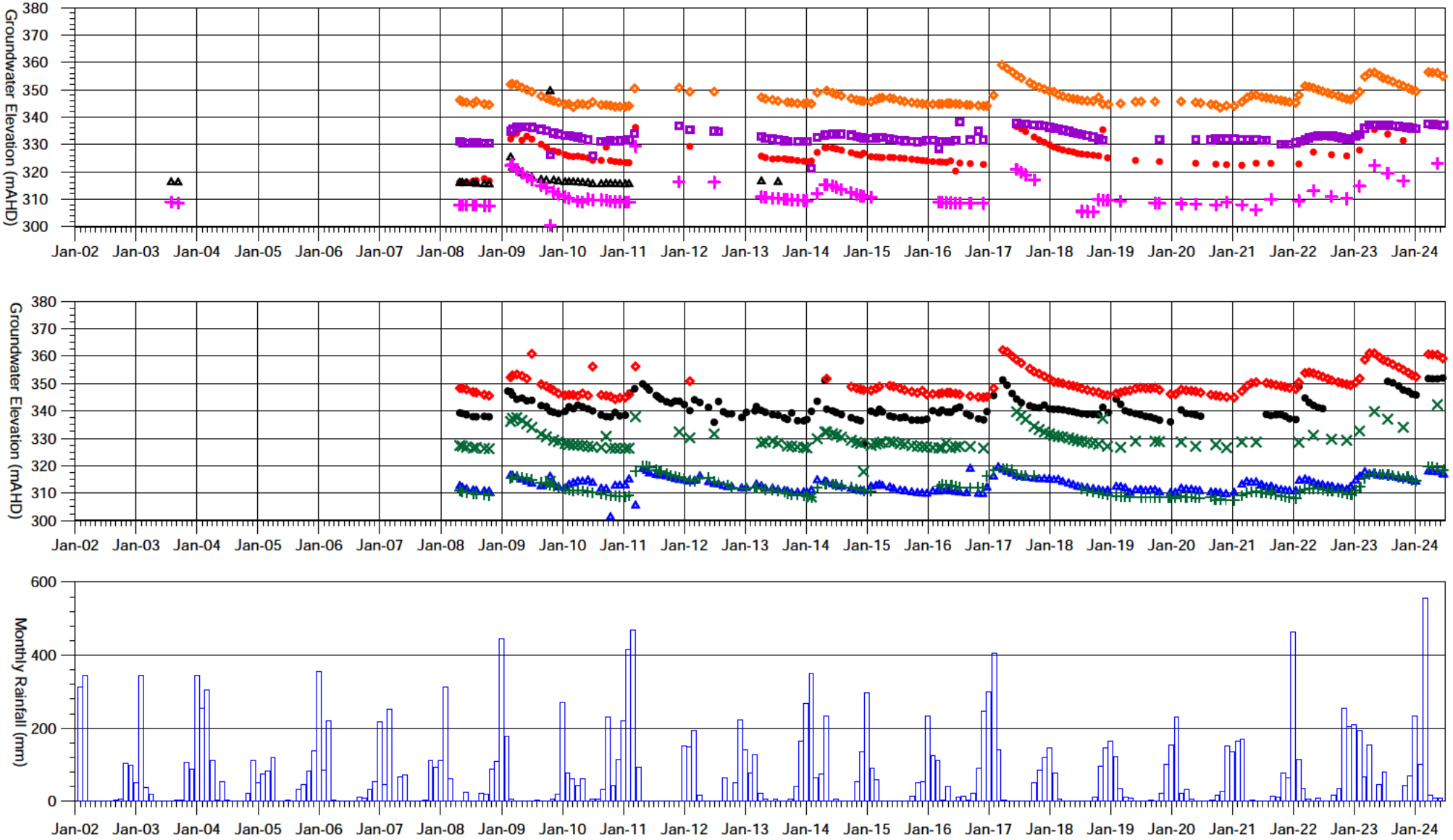
Data sources: Savannah Nickel Mines Pty Ltd

HYDROGRAPHS WITH RAINFALL BORES SMMB01 to SMMB09

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2025 GROUNDWATER MONITORING SUMMARY

Figure **13**



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LEGEND

Top Graph:		Middle Graph:	
+	SMMB10	×	SMMB15
▲	SMMB11	+	SMMB16
◇	SMMB12	▲	SMMB17
□	SMMB13	◇	SMMB18
●	SMMB14	●	SMMB19

Data sources: Savannah Nickel Mines Pty Ltd

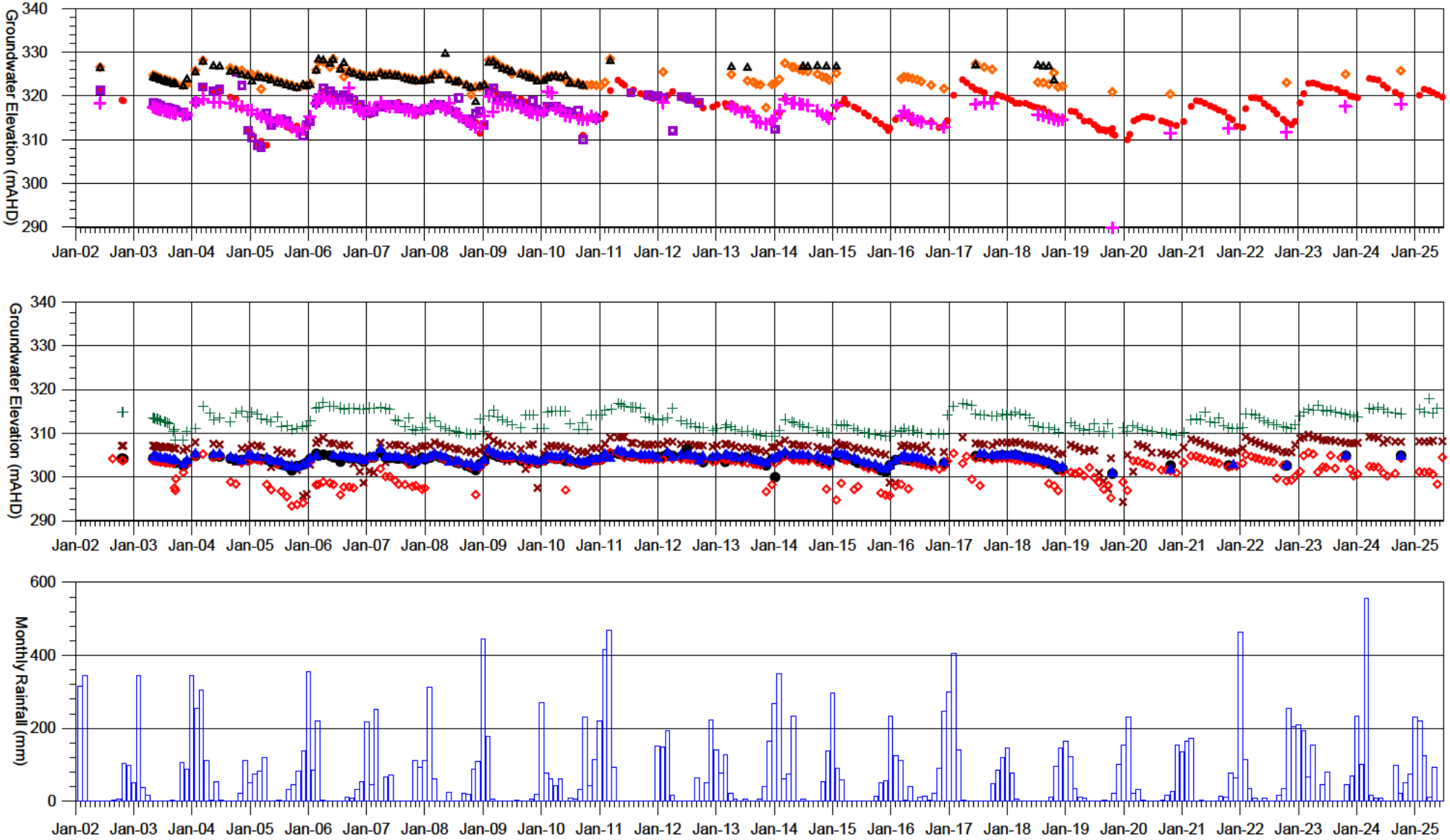
SMMB10-SMMB19.gpj

HYDROGRAPHS WITH RAINFALL BORES SMMB10 to SMMB19

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Figure **14**



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LEGEND

Top Graph:		Middle Graph:	
+	SMWB10	+	SMWB16
▲	SMWB11	▲	SMWB17
◇	SMWB12	◇	SMWB18
□	SMWB14	●	SMWB19
●	SMWB15	×	SMWB20

Data sources: Savannah Nickel Mines Pty Ltd

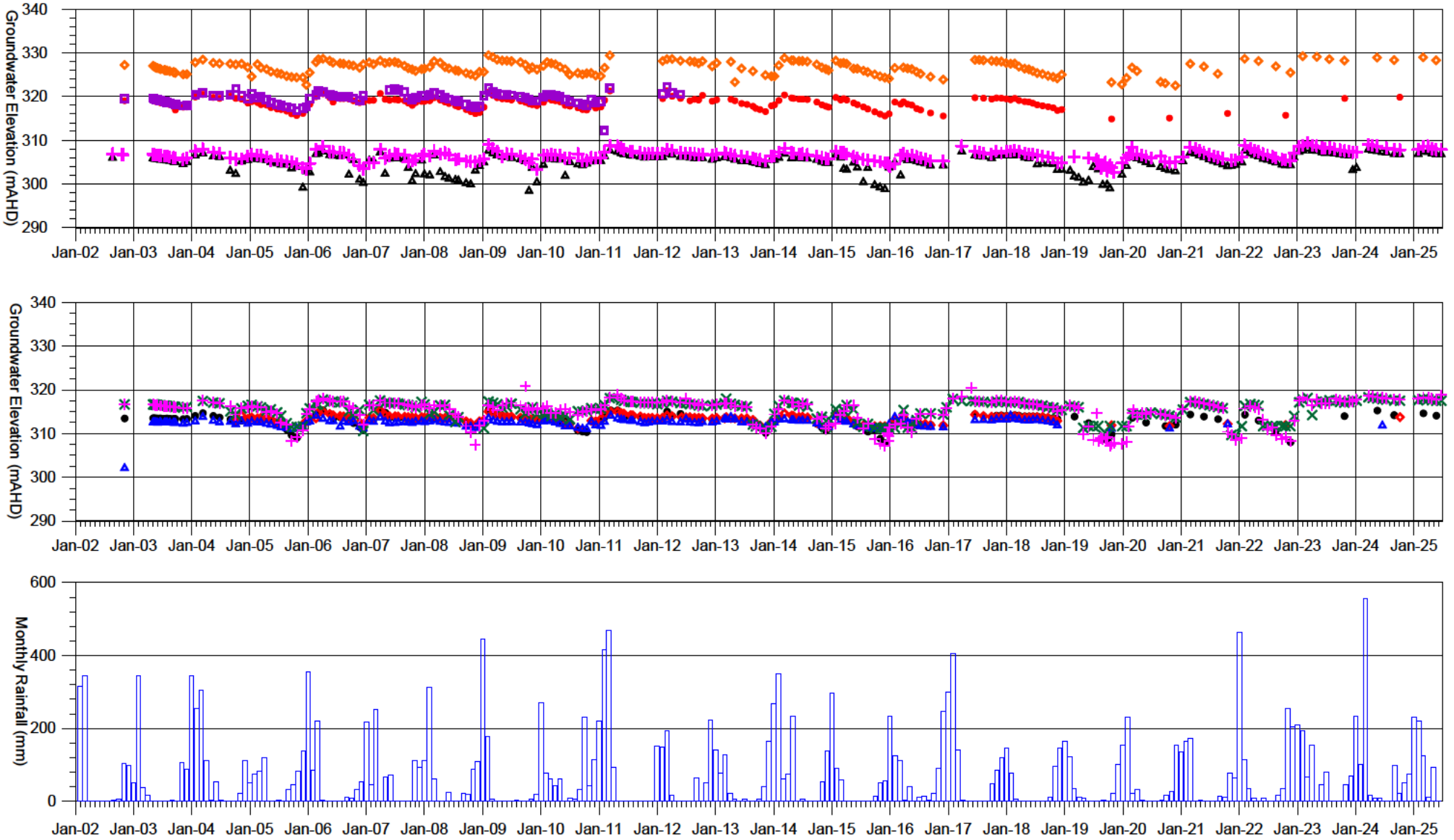
SMWB10-SMWB20.gpj

HYDROGRAPHS WITH RAINFALL BORES SMWB10 to SMWB20

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2025 GROUNDWATER MONITORING SUMMARY

Figure **15**



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SMWB21-SMWB30.gpj

LEGEND

Top Graph:		Middle Graph:	
+	SMWB21	+	SMWB26
▲	SMWB22	×	SMWB27
◇	SMWB23	▲	SMWB28
□	SMWB24	◇	SMWB29
●	SMWB25	●	SMWB30

Data sources: Savannah Nickel Mines Pty Ltd

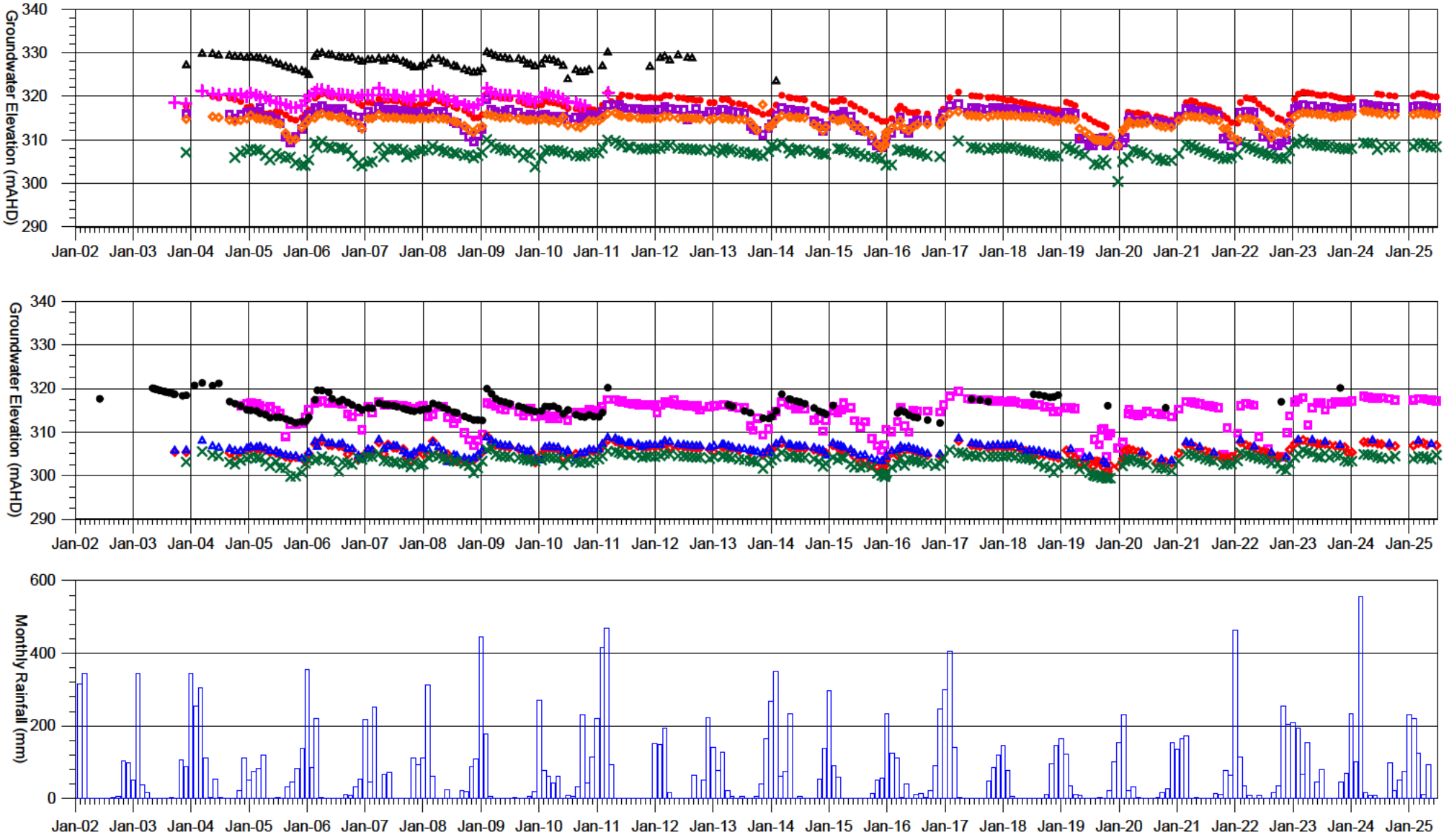
HYDROGRAPHS WITH RAINFALL BORES SMWB21 to SMWB30

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2025 GROUNDWATER MONITORING SUMMARY

Figure **16**

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LEGEND

Top Graph:		Middle Graph:	
+	SMWB32	×	SMWB38
▲	SMWB33	▲	SMWB39
◆	SMWB34	◆	SMWB40
■	SMWB35	●	SMML Camp
●	SMWB36	■	Anglo Camp
×	SMWB37		

Data sources: Savannah Nickel Mines Pty Ltd

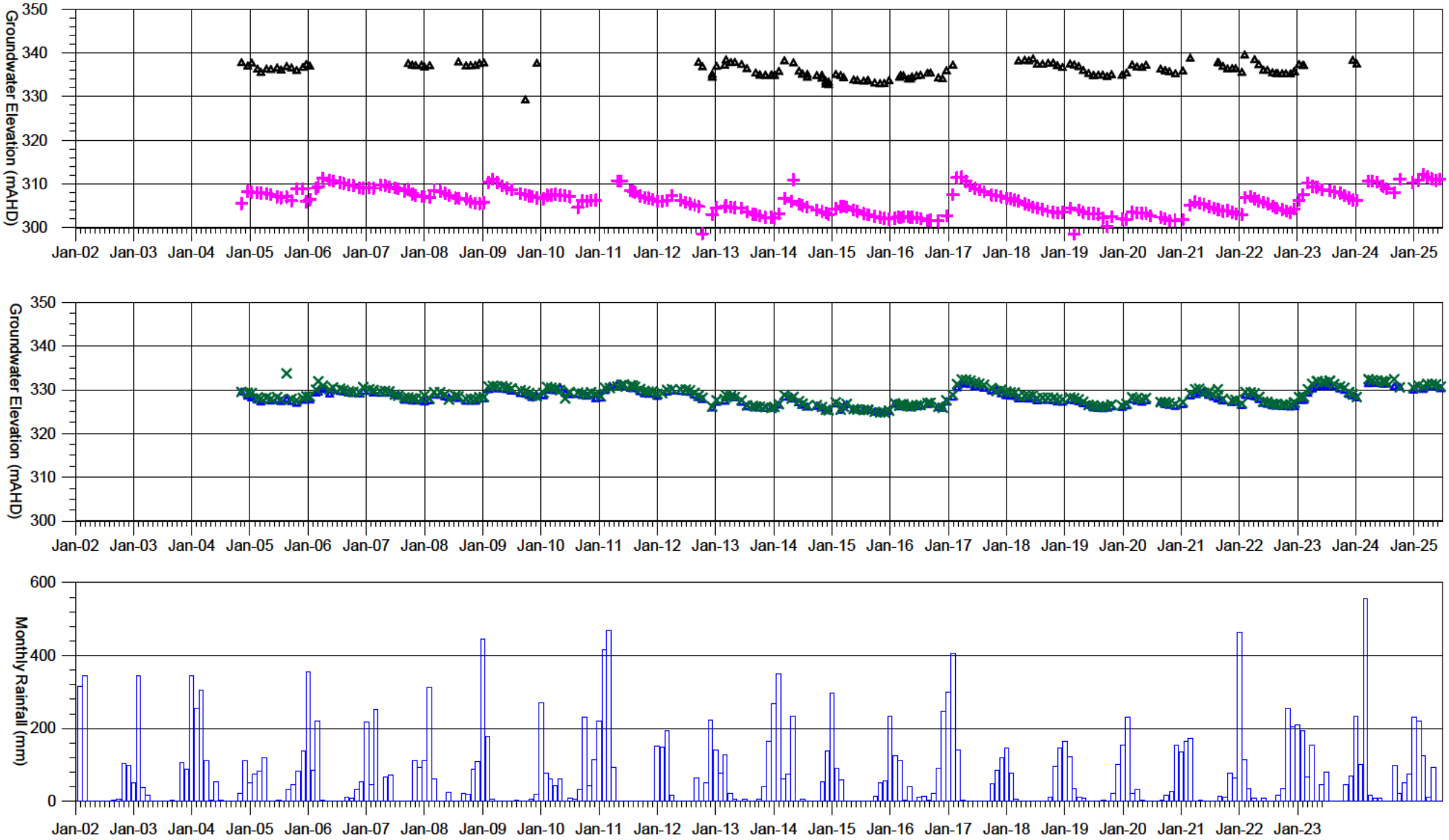
SMWB32-SMWB40-Camp-Anglo.gpj

HYDROGRAPHS WITH RAINFALL BORES SMWB32 to SMWB40, SMML CAMP & ANGLO CAMP

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2025 GROUNDWATER MONITORING SUMMARY

Figure 17



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LEGEND

Top Graph: + PARPMB01 ▲ TSFMB01

Middle Graph: × WSFMB01 ▲ WSFMB02

Data sources: Savannah Nickel Mines Pty Ltd

PARPMB01-TSFMB01-WSFMB01-WSFMB02.gpj

HYDROGRAPHS WITH RAINFALL BORES PARPMB01, TSFMB01 WSFMB01 & WSFMB02

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2025 GROUNDWATER MONITORING SUMMARY

Figure **18**

4.3 Groundwater Quality

Groundwater sampling was conducted on nominated bores and submitted to Analytical Reference Laboratory (ARL) a National Association of Testing Authorities (NATA)-registered laboratory. The tabulated data for the review period are presented in Appendix E.

Salinity data collected from operational production bores is displayed alongside the groundwater levels, monthly abstraction, and rainfall on Figure 4 to Figure 12.

The following trends can be observed in the quality data from the production bores for review period:

- Groundwater from production bores continues to be fresh with stable long-term trends at all production bores, apart from SMPB03 which remains brackish.
- The groundwater continues to be of near-neutral pH (6.3 to 7,9) with alkalinities between 220 and 500mg/L even at sites close to the TSF.
- Concentrations of most other analytes including nutrients, metals, and metalloids, remain at low to very low concentrations.
- Sulphate and TDS are elevated (compared to background) near the TSF and downgradient to SMPB03 because of higher proportions of seepage in the native groundwater. Higher concentrations generally occur in the dry season, but the concentrations decrease as seepage mixes with natural groundwater and recharge. SMPB12 was not sampled during the last two review periods (2023-25) because it is flooded by WSF1.

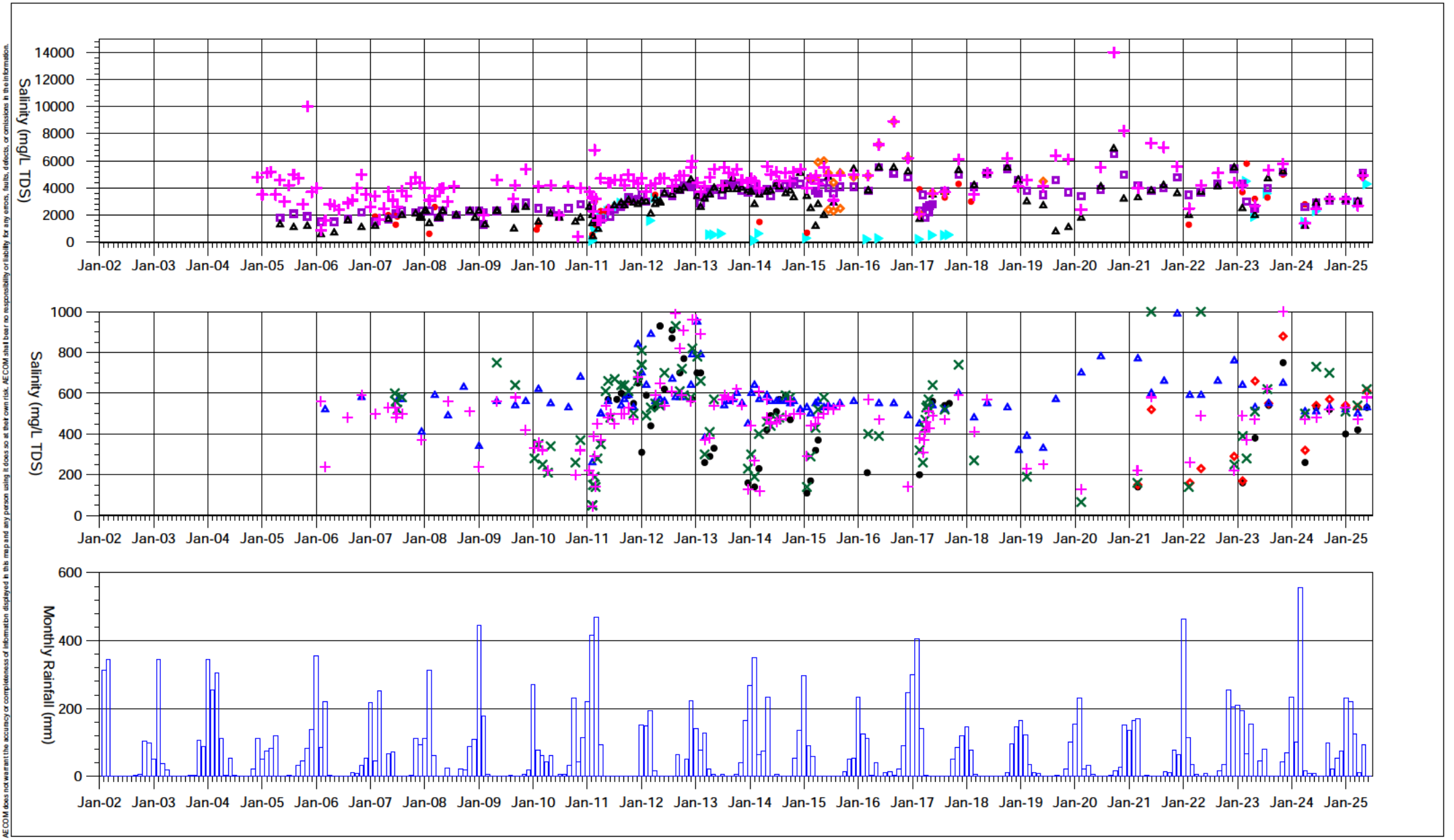
4.4 Surface Water Quality

Surface water samples from nominated locations were submitted to the NATA accredited laboratory.

The data for the review period are summarised in Appendix F. Time plots of salinity (as TDS), sulphate, nickel and copper are plotted alongside rainfall in Figure 19, Figure 21, and Figure 22.

A summary of surface water quality over the review period is as follows:

- Surface water within and adjacent to the TSF and WSF1 continues to be brackish and of neutral to weakly alkaline pH. The salinity is comprised mainly of sulphate, calcium, and magnesium ions. Concentrations of minor and trace metals and metalloids are variable but in line with historical ranges.
- Surface water sampled from the sumps below the TSF and WSF1 is brackish and of neutral pH. Concentrations of sulphate at these sites are mostly within their historical ranges. The sulphate concentration at WSF Seepage and Mine Creek (Adj SMPB03) in the past year are higher than recent years, likely due to higher seepage fluxes resulting from above average rainfall.
- Surface water downstream on Mine Creek adjacent to SMPB03 was able to be sampled four times in the past year. The water was brackish and of near-neutral pH. Sulphate concentrations consistently exceeded the Mine Creek target value but remained below the limit for sulphate. Metal and metalloid concentrations remain at low to very low concentrations.
- Surface water in Mine Creek at Highway was sampled twice in the past year – this site was dry at other times. The surface water exceeded the Mine Creek at Highway target for sulphate of 1,800 mg/L on two occasions. Other concentrations remained well below their respective targets and limits.
- Surface water in Fletcher, Stoney and Rademy creeks is fresh and of near-neutral pH with low to very low concentrations of nutrients, metals, and metalloids. Concentrations of TDS, sulphate, copper, and nickel remained below their respective targets and limits during the review period.



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LEGEND

Top Graph:
- TSF
- WSF1
- TSF Toe Seepage
- WSF Seepage
- Mine Creek Adj SMPB3
- Mine Creek (HWY)

Middle Graph:
- FCNCP
- FCSCP2
- Rademy Spring
- ST-DS
- ST-US-1

Data sources: Savannah Nickel Mines Pty Ltd

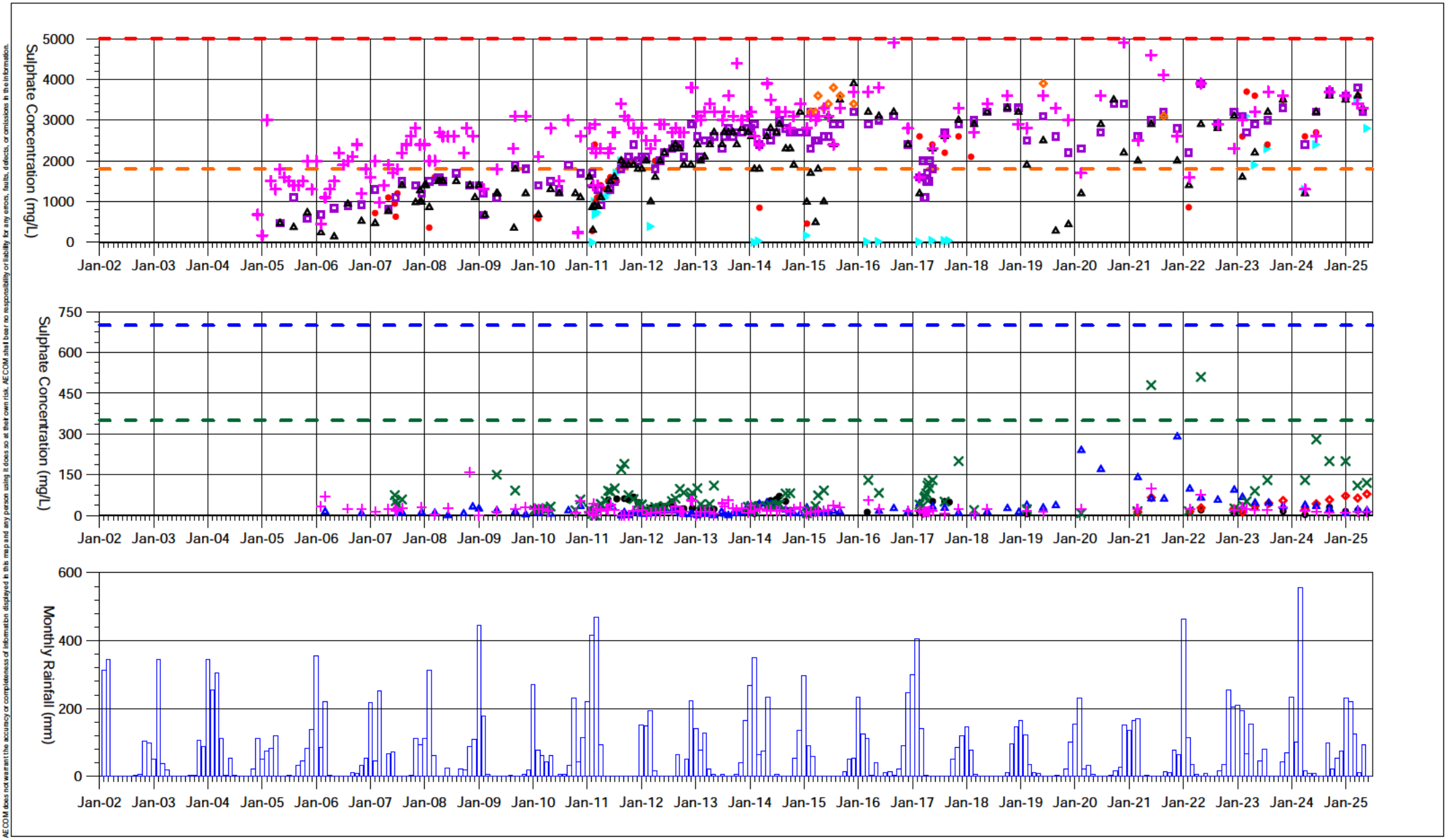
SALINITY TIME PLOTS WITH RAINFALL SURFACE WATER SITES

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Figure **19**

SW TDS.gpj



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SW Sulphate.gpj

LEGEND

Top Graph:
- TSF
- WSF1
- TSF Toe Seepage
- WSF Seepage
- Mine Creek Adj SMPB3
- Mine Creek (HWY)

Middle Graph:
- FCNCP
- FCSCP2
- Rademy Spring
- ST-DS
- ST-US-1

- SW MC SO4 Target
- SW MC SO4 Limit
- SW FC SO4 Target
- SW FC SO4 Limit

Data sources: Savannah Nickel Mines Pty Ltd

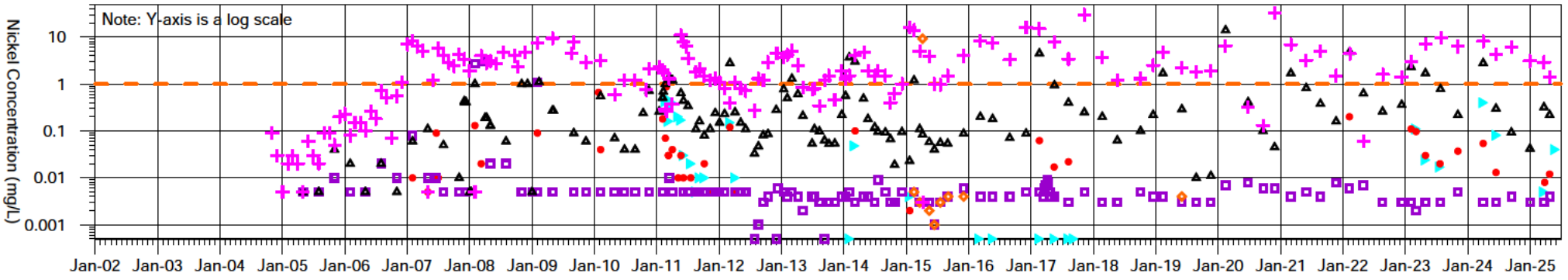
SULPHATE TIME PLOTS WITH RAINFALL SURFACE WATER SITES

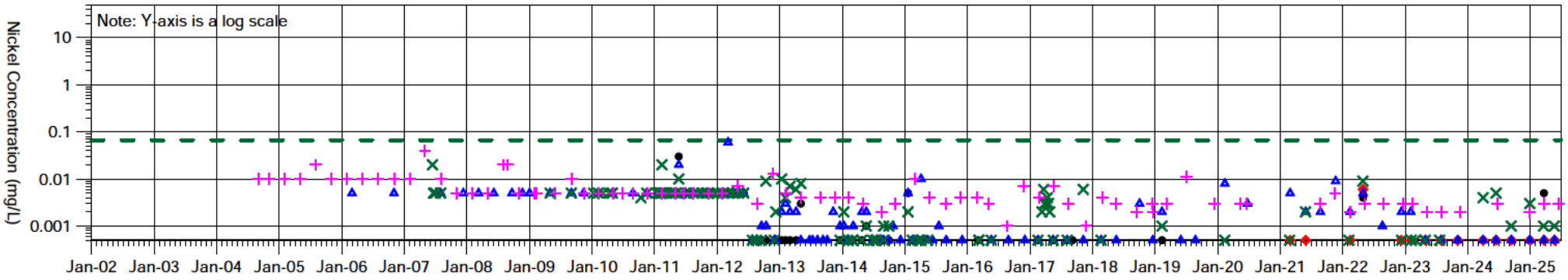
SAVANNAH NICKEL MINES PTY LTD

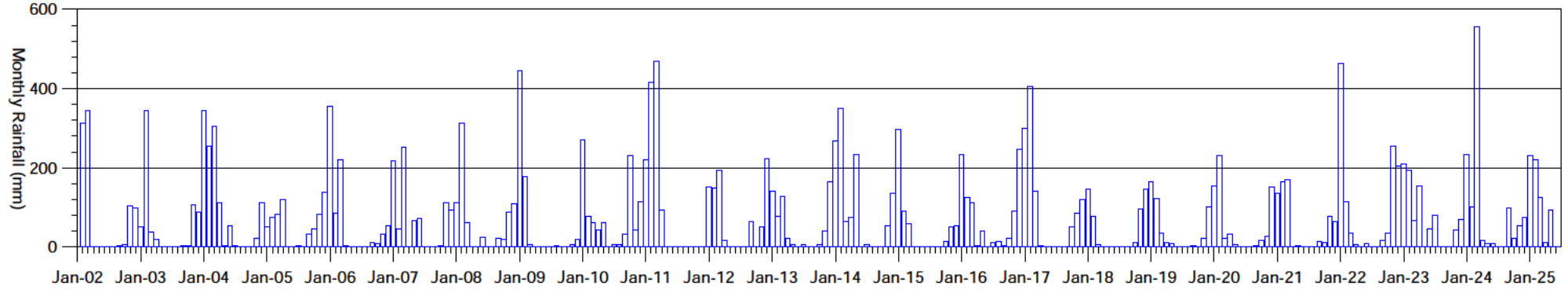
2025 GROUNDWATER MONITORING SUMMARY

Figure **20**

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LEGEND

Top Graph:
- TSF
- WSF1
- TSF Toe Seepage
- WSF Seepage
- Mine Creek Adj SMPB3
- Mine Creek (HWY)

Middle Graph:
- FCNCP
- FCSCP2
- Rademy Spring
- ST-DS
- ST-US-1

- SW MC Ni Target
- SW FC Ni Target

Data sources: Savannah Nickel Mines Pty Ltd

NICKEL TIME PLOTS WITH RAINFALL SURFACE WATER SITES

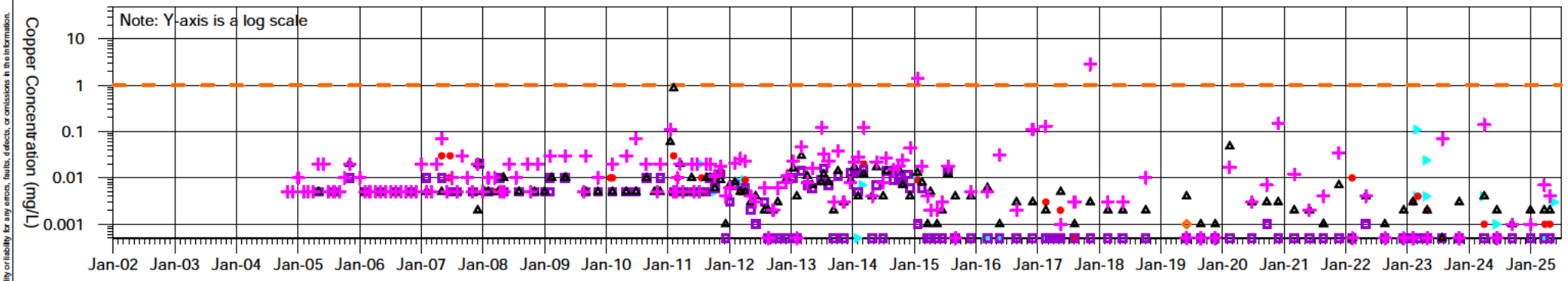
SAVANNAH NICKEL MINES PTY LTD

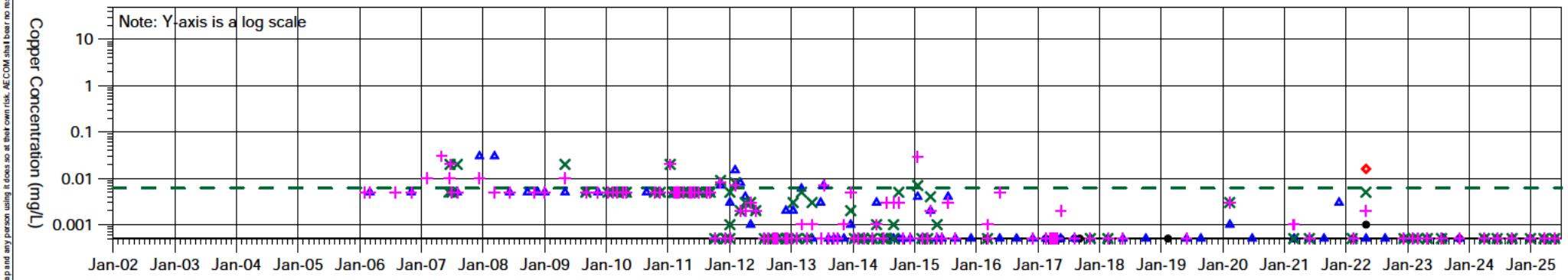
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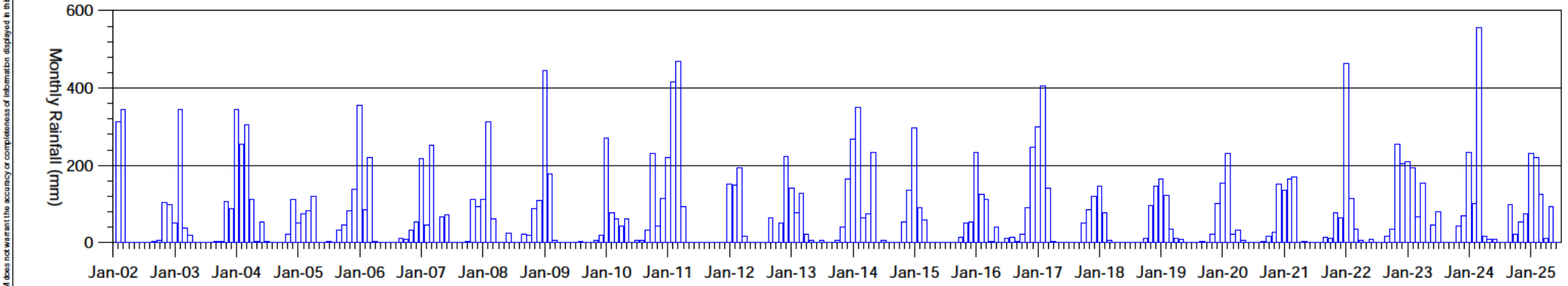
Figure **21**

SW Nickel.gpj

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LEGEND

Top Graph:
- TSF
- WSF1
- TSF Toe Seepage
- WSF Seepage
- Mine Creek Adj SMPB3
- Mine Creek (HWY)

Middle Graph:
- FCNCP
- FCSCP2
- Rademy Spring
- ST-DS
- ST-US-1

- SW MC Cu Target
- SW FC Cu Target

Data sources: Savannah Nickel Mines Pty Ltd

COPPER TIME PLOTS WITH RAINFALL SURFACE WATER SITES

SAVANNAH NICKEL MINES PTY LTD

2025 GROUNDWATER MONITORING SUMMARY

Figure **22**

SW Copper.gpj

4.5 Assessment of Impacts

Impact management triggers have been adopted in the WOS to manage surface and groundwater impacts associated with SNM operations. As discussed in Section 1.1 identified impacts include the following:

- Drawdown of groundwater levels due to abstraction of groundwater for water supply and dewatering activities.
- Seepage from the TSF and other water storage facilities resulting in alteration to groundwater quality.

Impact management triggers developed for the WOS fall into three categories:

1. Data reliability – relating to QA/QC measures undertaken by Savannah when collecting and managing monitoring data.
2. Impact prevention – relating to identification of long- and short-term water level and quality trends and the development of trigger values within these ranges.
3. Impact response – relating to unplanned discharges that require immediate intervention.

The following sections provide an assessment of water level and quality monitoring data collected between July 2021 and June 2024.

4.5.1 Groundwater Levels

Groundwater level trigger values for nominated monitoring bores along Fletcher and Stoney creeks are closely monitored to manage abstraction related drawdown impact to local riverine receptors. A comparison of monitoring data against trigger values is included in Appendix G.

Groundwater trigger level results associated with water supply abstraction include:

- The maximum (low) trigger value was not reached in any bores.
- The minimum (high) groundwater level trigger was not met for the following periods:
  - SMWB38 (near SMPB02) required for two months every two years - last met in May 2023.

The above responses were the result of the suspension of operations and reduced abstraction and sustained above-average rainfall. Continued abstraction from SMPB02 has likely influenced the result at SMWB38.

4.5.2 Groundwater Quality

Impacts to identified receptors arising from changes in water quality are managed via impact prevention trigger values as defined in the 2020 WOS. Groundwater quality sampling has been conducted on select monitoring and production bores across SNM as included in Appendix B. A comparison of collected groundwater quality data against the respective triggers is provided in Appendix E. The results indicate the following:

- No exceedances were recorded on groundwater samples taken from SMPB02. It is noted that SMPB10 was not operated during the review period (Table 7).
- No exceedances were recorded on groundwater samples taken from the nominated triggers from any of the four compliance monitoring bores (SMMB01, SMMB02, SMMB03, and PARPMB01) during the review period.

4.5.3 Surface Water Quality

Surface water quality trigger values are in place for selected sampling locations along Fletcher and Mine creeks. Water quality target values have been established for Mine Creek and Fletcher Creek to inform ongoing management of these surface water environments. A comparison of the surface water quality data against the respective targets and triggers is provided in Figure 19 to Figure 22, and Appendix F. The results indicate:

- No surface water trigger values were exceeded at any of the prescribed sampling locations over the review period except for the Mine Creek at Highway and Mine Creek (adjacent to SMPB03) sites where sulphate concentration was over the 1,800 mg/L target (when water was present to be sampled) in March and April 2025.
- Concentrations of cobalt, copper, and nickel at sampling locations along Stoney and Fletcher creeks were very low. The concentrations of all prescribed parameters at compliance point FCSCP2 were below their respective target values.
- While the salinity and concentration of sulphate at and near the TSF and WSF1 fluctuate seasonally in proportion to the intensity of the wet season rainfall, the long-term surface water quality trends along Stoney and Fletcher creeks remain stable and within historical ranges.

The monitoring data indicate there have been no impacts to surface water quality from the SNM operations during the review period. The cause for the target exceedances for sulphate at the Mine Creek at Highway and Mine Creek (adjacent to SMPB03) sites should be investigated.

5.0 Assessment of the Monitoring Programme

This assessment considers the level of compliance that Savannah has achieved during the review period in relation to the commitments contained in the WOS (AECOM 2020b). The level of compliance for the review period is detailed in Appendix H, and summarised in Table 8 and the accompanying notes.

Table 8 Compliance with the 2020 WOS

Commitment No.	Commitment	Complied?
1	A Groundwater Monitoring Summary (GMS) will be prepared annually and submitted to DWER by 31 October each year in accordance with Operational Policy No. 5.12.	**Yes** (Note 1)
2	A Groundwater Monitoring Review (GMS) will be prepared annually and submitted to DWER by 31 October starting from 2021 in accordance with Operational Policy No. 5.12.	**Yes** (Note 1)
3	Total groundwater abstraction will not exceed the licenced annual allocation of 1,446,000kL (GWL153527(6).	**Yes**
4	The WOS will be reviewed in conjunction with the submission of each GMS or three to six months before the expiry of the LTW in accordance with Operational Policy No. 5.08.	**Yes**
5	Operating the Savannah Water Scheme in accordance with the operating rules defined in the WOS.	**Partially** (Note 2)
6	Undertaking water monitoring as defined in the WOS	**Partially** (Note 2)
7	Managing impacts in accordance with water triggers defined in the WOS.	**Yes** (Note 3)
8	Initiating contingency actions as defined in the WOS.	**Partially** (Note 4)
9	Advising DWER of breaches or incidents within the timeframes defined in the WOS.	**Partially** (Note 5)
10	Maintaining water efficiency use measures defined in the WOS.	**Yes**

Notes to accompany the compliance statements in Table 8 include:

1. Compliance achieved based on date of submission.
2. Partial compliance is assigned to Commitment Nos. 5 and 6 due to several gaps in the groundwater level and quality data. However, the frequency of monitoring at prescribed locations has been sufficient in determining groundwater level trends to determine impacts.
3. Compliance is assigned to Commitment No. 7 because although several triggers were breached in the past year, they were isolated, long-term trends are stable, and no impacts have been detected. The exceedance of the sulphate concentration target at Mine Creek at Highway and Mine Creek (adjacent to SMPB03) should be investigated. Details of these breaches and a comparison of the monitoring data with the prescribed groundwater level triggers are provided in Appendix E and is detailed in Section 4.5.1.
4. Exceedance of groundwater level trigger and quality target values has occurred on several occasions during the year review period. AECOM understands the prescribed contingency actions were largely implemented as prescribed in response to events as summarised in Section 4.5.
5. Discussions with Savannah relating to advice to DWER on breaches as nominated in the WOS indicate the relevant correspondence has been provided.

Compliance against the prescribed monitoring programme is detailed in Appendix H and summarised in Table 9. Savannah has been compliant with most of the WOS requirements except for the items described above. It is understood that some of the data shortfalls have arisen due to access or resourcing issues, or damage to the bores by fire and earthworks activities.

Table 9 Monitoring programme compliance during the 2024-2025 review period

Monitoring type	Frequency	Locations	Compliant?
Abstraction volume	Monthly	Operational production bores (**Appendix C)**	**Yes**
	Quarterly	Standby production bores (**Appendix C)**	**Yes**
Seepage recovery	Daily	TSF seepage recovery bores	**Yes** Evidence of this monitoring has not been provided in the form of scanned daily reports extracted by Savannah from site records.
Mine water distribution network	Monthly	Metered pipelines associated with surface water storage network **(Appendix C**).	**Yes** Water transfers calculated in some cases where flowmeters were seized or deemed unreliable. They have been flagged for replacement during shutdown maintenance.
Groundwater levels	Monthly	All operational production and selected monitoring bores listed in **Appendix B.1** and **Appendix B.3**	**Partially** Several readings from each frequency category missing due to access issues.
	Quarterly	Selected monitoring bores listed in **Appendix B.3**	
	Annually	Standby production and selected monitoring bores listed in **Appendix B.1** and **Appendix B.3**	
Groundwater quality	Annually	All operational production and selected monitoring bores listed in **Appendix B.1** and **Appendix B.3**	**Partially** Sampling at several sites was not done due to access issues.
	Quarterly	TSF seepage recovery and monitoring bores listed in **Appendix B.3**	
	Annually	Standby production and selected monitoring bores listed in **Appendix B.1** and **Appendix B.3**	
Surface water quality	Quarterly	Locations are listed in **Appendix B.4**	**Partially** Sampling at several sites was not done due to access issues. Several sites did not contain water at the nominated time of sampling

6.0 Conclusions and Recommendations

6.1 Conclusions

SNM has managed groundwater and surface water aspects of the mine generally in accordance with the 2020 WOS. The following conclusions were derived because of this review:

- Groundwater abstraction remained within the licenced allocation of 1,446,000 kL during the past year. Minimal abstraction has occurred (from SMPB02, SMPB03 and SMPB04) during the review period because the mine is under Care and Maintenance. However, monitoring has still been undertaken as required.
- Groundwater levels from operating production bores and nearby monitoring bores responded to abstraction and seasonal recharge. The levels continue to fluctuate within historical ranges and are following stable trends. Notably, groundwater levels have begun recovery with multiple production bores being taken offline when the mine entered care and maintenance in early 2024.
- Groundwater quality data from monitoring bores indicate stable trends during the review period. Brackish groundwater is present at and near the TSF and WSF1 and along the section of Mine Creek where groundwater discharges during and after the wet season. Water quality monitoring data from the nominated surface water sampling locations indicate that surface water is largely unaffected by the operations at Savannah. Elevated salinities and sulphate were present along a section of Mine Creek during the 2024-25 wet season when water was present.
- Exceedances of triggers and targets were observed as follows:
  - there were no breaches of water quality triggers or limits during the 2024-25 review period.
  - the groundwater levels at bores SMPB02 and SMPB04 did not reach the prescribed minimum levels (two months every two years) due to ongoing groundwater abstraction. All other bores met the minimum level criteria as they were not operated.
- The impact assessment concluded:
  - the quality of water available to receptors has been maintained during the review period.
  - except at bore SMPB02, the availability of groundwater to receptors has been maintained during the review period.
- Data collected throughout the 2024-2025 review period indicate that water monitoring, mitigation and management measures outlined in the 2020 WOS have been sufficient in managing impacts to water resources associated with SNM operations.

6.2 Recommendations

- The following changes to the next update of the WOS are recommended:
  - Bore SMMB26 should be removed from the programme as it was destroyed by earthworks in September 2022. AECOM understands a new bore in this area is scheduled to be installed after the final TSF lift in early 2024.
  - Bore SMWB09 should be removed from the monitoring programme (WOS Table 8) as no bore with this name exists.
  - Bore SMWB29 and SMWB30 should be removed from the monitoring programme (WOS Table 8) as they have recently been destroyed by earthworks.
  - Bore SMWB31 should be removed from the monitoring programme (WOS Table 8) as it has been destroyed by fire and replaced by SMWB34.
  - Modifications to equipment in bore SMPB10 should be made to reinstate access to the water table for monitoring purposes. Although not operated in the review period, the bore should remain operable to allow samples at the prescribed intervals to be taken to comply with the WOS.

  - The status of the SMML Camp and Anglo Camp bores should be reviewed to determine if they are still suitable for annual monitoring as prescribed in the WOS.

- Feedback from Savannah indicates monitoring at bore SMMB20 was not possible because it was damaged and blocked. This bore is in the high-risk domain and, therefore, should be reinstated as soon as possible.
- The datum elevations should be checked to ensure calculated groundwater levels are correct. The calculations should be made using verified elevations of the measurement datum and not ground level, as appears to be the case in several instances. The results should be checked to ensure no levels with a negative RL are reported.
- Data provided by Savannah indicates that daily monitoring at SMPB03 and SMPB12 has been recorded daily as required by the WOS. Svannah has communicated that daily inspection records have been digitised since 1 June 2025.
- The cessation of abstraction from bores SMPB05 to SMPB10 and SMPB12 has allowed the groundwater level to rise to the minimum depths prescribed for the nearby monitoring bores. However, although the groundwater level at SMPB02 has risen in the past year, it has not reached the minimum depth prescribed for SMWB34. Savannah has communicated bore SMPB02 is now being rested to allow the level to recover to meet this trigger.

7.0 References

AECOM, 2020a. Savannah TSF Raise Groundwater Assessment. Unpublished report to Savannah Nickel Mines Pty Ltd, dated 28 Jan 2020. Document No. 60494677_ENV_RPT_011.

AECOM, 2020b. Savannah Nickel Mine Water Operating Strategy. Unpublished report to Savannah Nickel Mines Pty Ltd, dated 20 Oct 2020. Document No. 60494677_ENV_RPT_005.

ANZECC/ARMCANZ, 2000. ANZECC/ARMCANZ, 2000. Chapter 8: Aquatic Ecosystems. Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand, Canberra.

DoW, 2009. Operational Policy No. 5-12 Hydrogeological reporting associated with a Groundwater Well Licence. Published by the Department of Water, Western Australia, November 2009.

DoW, 2011. Operational Policy 5.08 – Use of operating strategies in the water licensing process. Published by the Department of Water, Western Australia, June 2011.

Long Paddock, 2025 Climatic data sourced from the online Long Paddock SILO dataset at: https://www.longpaddock.qld.gov.au/silo/. Accessed October 2025.

8.0 Report Limitations

AECOM Australia Pty Limited (AECOM) has prepared this report in accordance with the usual care and thoroughness of the consulting profession for the use of Savannah Nickel Mines Pty Ltd and only those third parties who have been authorised in writing by AECOM to rely on the report.

It is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made as to the professional advice included in this report. It is prepared in accordance with the scope of work and for the purpose outlined in the existing Procurement Agreement between Savannah Nickel Mines Pty Ltd and AECOM Australia Pty Ltd.

The methodology adopted, and sources of information used by AECOM are outlined in this Report.

Where this report indicates that information has been provided to AECOM by third parties, AECOM has made no independent verification of this information unless required as part of the agreed scope of work. AECOM assumes no liability for any inaccuracies in or omissions to that information.

This Report was prepared in October 2025.The information in this report is considered to be accurate at the date of issue and is in accordance with conditions at the site at the dates sampled. Opinions and recommendations presented herein apply to the site existing at the time of our investigation and cannot necessarily apply to site changes of which AECOM is not aware and has not had the opportunity to evaluate. This document and the information contained herein should only be regarded as validly representing the site conditions at the time of the investigation unless otherwise explicitly stated in a preceding section of this report. AECOM disclaims responsibility for any changes that may have occurred after this time.

This report should be read in full. No responsibility is accepted for use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report contains information obtained by inspection, sampling, testing or other means of investigation. This information is directly relevant only to the points in the ground where they were obtained at the time of the assessment. The borehole logs indicate the inferred ground conditions only at the specific locations tested. The precision with which conditions are indicated depends largely on the uniformity of conditions and on the frequency and method of sampling as constrained by the project budget limitations. The behaviour of groundwater and some aspects of contaminants in soil and groundwater are complex. Our conclusions are based upon the analytical data presented in this report and our experience. Future advances in regard to the understanding of chemicals and their behaviour, and changes in regulations affecting their management, could impact on our conclusions and recommendations regarding their potential presence on this site.

Where conditions encountered at the site are subsequently found to differ significantly from those anticipated in this report, AECOM must be notified of any such findings and be provided with an opportunity to review the recommendations of this report.

Whilst to the best of our knowledge information contained in this report is accurate at the date of issue, subsurface conditions, including groundwater levels can change in a limited time.

Therefore, this document and the information contained herein should only be regarded as valid at the time of the investigation unless otherwise explicitly stated in this report.

Except as required by law, no third party may use or rely on, this Report unless otherwise agreed by AECOM in writing. Where such agreement is provided, AECOM will provide a letter of reliance to the agreed third party in the form required by AECOM.

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It is the responsibility of third parties to independently make inquiries or seek advice in relation to their particular requirements and proposed use of the relevant property.

Any estimates of potential costs which have been provided are presented as estimates only as at the date of the Report. Any cost estimates that have been provided may therefore vary from actual costs at the time of expenditure.

Appendix A

Savannah Licence to Take Water

LICENCE TO TAKE WATER

Granted by the Minister under section 5C of the Rights in Water and Irrigation Act 1914

Licensee(s)	Savannah Nickel Mines Pty Ltd		
Description of Water Resource	Canning-Kimberley Combined - Fractured Rock Central	**Annual Water Entitlement**	1,446,000kL
Location of Water Source	Mining Tenements M80/179, M80/180, M80/181		

Authorised Activities	**Taking of water for**	**Location of Activity**
	Dewatering for mining purposes	Mining Tenements M80/179, M80/180, M80/181, M80/182, M80/183
	Dust Suppression for mining purposes	Mining Tenements M80/179, M80/180, M80/181, M80/182, M80/183
	Mineral ore processing and other mining purposes	Mining Tenements M80/179, M80/180, M80/181, M80/182, M80/183
	Mining camp purposes	Mining Tenements M80/179, M80/180, M80/181, M80/182, M80/183
Duration of Licence	From 31 August 2023 to 30 August 2033	

This Licence is subject to the following terms, conditions and restrictions:

1. Every 12 Months the licensee shall provide to the Department of Water and Environmental Regulation a Groundwater Monitoring Summary for the preceding water year. The first report is due 31/10/2021.

2. Every 3 Years the licensee shall provide to the Department of Water and Environmental Regulation a Groundwater Monitoring Review. The first report is due 31/10/2021. A Groundwater Monitoring Summary need not be submitted in a year in which a Groundwater Monitoring Review is due.

3. All monitoring and reporting shall be carried out in accordance with Operational Policy 5.12 'Hydrogeological reporting associated with a groundwater well licence'.

4. The annual water year for water taken under this licence is defined as 01 July to 30 June.

5. The licensee shall comply with the commitments of the operating strategy "Savannah Nickel Mine Water Operating Strategy", as prepared by AECOM Australia Pty Ltd and approved by the Department of Water and Environmental Regulation on 12/01/2021 including any modifications to the commitments as approved during the term of the licence.

6. The licensee shall submit meter reads within the annual ground water monitoring summary (and via the departments Water Online portal) that is due 31 October each year.

End of terms, conditions and restrictions

Appendix B

Operating Strategy Monitoring Programme Details

Appendix B.1 Production bore completion details

Bore ID	Location (MGA94 z52)		Date Drilled	Drilled Depth (m)	Main aquifer zone		Casing Details			Pump Installed	Pump Setting (mbgl)
	Easting	Northing			Depth (m)	Lithology	Type	Depth (m)	Slotted interval (m)		
SMPB01	399143.3	8082037.7	Oct-02	31	15–16	Transition Zone – Fractured Gneiss	155 mm PVC	30.5	12.5–30.5	Grundfos SP46-6	25
					19–23	Fractured Gneiss					
SMPB02	398658.2	8080922.4	Oct-02	31	9–Nov	Transition Zone – Fractured Gneiss	155 mm PVC	30.7	12.8–30.8	Grundfos SP17-7	25
					16–17	Fractured Gneiss					
SMPB03	397431.2	8080688.8	Oct-02	31	9–10	Transition Zone – Fractured Gabbro	155 mm PVC	30.7	12.7–30.7	Grundfos SP17-8	-
					14–16	Fractured Gabbro					
SMPB04	397631.6	8082787.6	Oct-02	37	15–16	Gabbro / Dolerite contact	155 mm PVC	36.9	14.3–36.9	Grundfos SP46-6	32
					23–27	Fractured Gabbro / Gneiss contact					
					27–30	Fractured Gneiss					
SMPB05	398539.9	8083079.7	Sep-03	30	4–19	Transition Zone – Fractured Gneiss	155 mm PVC	30	12–30	Grundfos SP17-7	25
SMPB06	398240.2	8083229.5	Sep-03	30	15–16	Fractured Gabbro	155 mm PVC	30	6–30	Grundfos SP46-6	25
					20	Gabbro / Tickalara contact					
SMPB07	398065.4	8083239.6	Sep-03	30	17–19	Transition zone and Gabbro / Tickalara contact	155 mm PVC	30	12–30	Grundfos SP17-8	25
SMPB08	397860.2	8083995.0	Sep-03	24	10–11	Gabbro / Tickalara contact	155 mm PVC	24	6–24	Not equipped	N/A
					18	Fractured Tickalara					
SMPB09	396952.2	8083036.7	Sep-03	30	12–13	Transition Zone – Fractured Gabbro	155 mm PVC	30	6–30	Not equipped	N/A
SMPB10	398917.7	8081693.9	Sep-03	33	10–16	Transition Zone – Gneiss	155 mm PVC	33	3–33	Grundfos SP17-10	
					18–30	Fractured Gneiss					
SMPB11	398752.0	8081089.2	Sep-03	33	4–12	Weathered Gneiss	155 mm PVC	33	3–33	Not equipped	N/A
					18–24	Transition Zone - Gneiss					
SMPB12	396836.3	8080837.9	Dec-13	25	N.D.	Weathered Basalt	155 mm PVC	25	12–24	Grundfos SP 46-10	18

Appendix B.2 Production bore metering details

Bore ID	Location (MGA94 Z52)		Flow Meter Details				Installation Date	Last Calibration
	Easting	Northing	Make	Model	Serial Number	Units of Measure		
SMPB01	399143.3	8082037.7	Elister paddle wheel	DN 80	14HCO2821	kL	Sept-04	Aug-12
SMPB02	398658.2	8080922.4	Elister paddle wheel	DN 50	04HB08794	kL	Sept-04	Aug-12
SMPB03	397431.2	8080688.8	Elister paddle wheel	DN 50	03HB07749	kL	Sept-04	Aug-12
SMPB04	397631.6	8082787.6	Elister paddle wheel	DN 80	04HC02822	kL	Sept-04	Aug-12
SMPB05	398539.9	8083079.7	Elister paddle wheel	DN 50	03HB08289	kL	Sept-04	Aug-12
SMPB06	398240.2	8083229.5	Elister paddle wheel	DN 80	19HC00198	kL	Dec-19	Dec-19
SMPB07	398065.4	8083239.6	Elister paddle wheel	DN 80	04HC02823	kL	Sept-04	Aug-12
SMPB08	397860.2	8083995.0	N/A	N/A	N/A	N/A	No infrastructure	N/A
SMPB09	396952.2	8083036.7	N/A	N/A	N/A	N/A	No infrastructure	N/A
SMPB10	398917.7	8081693.9	Elister paddle wheel	DN 50	04HB08799	kL	-	Aug-12
SMPB11	398752.0	8081089.2	N/A	N/A	N/A	N/A	No infrastructure	N/A
SMPB12	396836.3	8080837.9	Arad	IRT 80	2617106	m^3x10	Nov-14	Nov-14

Appendix B.3 Monitoring bore completion details

Bore ID	Location (MGA94 z52)		Date Drilled	Drilled Depth (mbgl)	Casing details			Datum (m RL)	Original SWL (mbgl)	Purpose
	Easting	Northing			Type	Depth (mbgl)	Slotted Interval (mbgl)			
SMWB10	397971.6	8083480.1	Jun-02	54	50 mm PVC	54	42–54	324.87	7.45	Water supply monitoring (angle 50°)
SMWB11	396884.7	8083645.6	Jun-02	54	50 mm PVC	54	42–54	331.27	3.30	Water supply monitoring (angle 50°)
SMWB12	396913.9	8083636.5	Jun-02	48	50 mm PVC	48	36–48	329.83	5.13	Water supply monitoring (angle 50°)
SMWB14	397610.5	8082797.1	Jun-02	42	50 mm PVC	41	–	326.31	5.00	Water supply monitoring (angle 50°)
SMWB15	397603.5	8082800.7	Aug-02	54	50 mm PVC	54	42–54	327.11	4.80	Water supply monitoring (angle 50°)
SMWB16	397428.2	8080682.6	Jun-02	24.3	50 mm PVC	24.3	12–24.3	319.09	4.20	Water supply monitoring
SMWB17	398769.1	8081149.0	Aug-02	31	50 mm PVC	24	18–24	307.32	7.30	Water supply monitoring
SMWB18	398660.9	8080921.7	Aug-02	31	50 mm PVC	22	16–22	307.97	3.45	Water supply monitoring
SMWB19	398753.1	8081091.9	Aug-02	25	50 mm PVC	7.5	1.5–7.5	307.69	3.47	Water supply monitoring
SMWB20	399145.2	8082036.8	Aug-02	25	50 mm PVC	25	19–25	311.55	4.45	Water supply monitoring
SMWB21	399045.6	8081914.6	Aug-02	25	50 mm PVC	24.3	18–24.3	311.12	3.55	Water supply monitoring
SMWB22	398919.3	8081693.5	Aug-02	31	50 mm PVC	30.5	24.5–30.5	309.12	2.40	Water supply monitoring
SMWB23	396951.5	8083035.8	Nov-02	27	50 mm PVC	27	21–27	329.53	1.65	Water supply monitoring
SMWB24	397811.1	8083996.0	Nov-02	27	50 mm PVC	27	21–27	324.59	4.50	Water supply monitoring
SMWB25	397990.9	8083686.6	Nov-02	21	50 mm PVC	21	15–21	322.53	3.00	Water supply monitoring
SMWB26	398066.1	8083243.1	Nov-02	27	50 mm PVC	27	21–27	321.80	4.59	Water supply monitoring
SMWB27	398241.9	8083230.9	Nov-02	24	50 mm PVC	9	3–9	319.52	2.66	Water supply monitoring
SMWB28	398727.6	8082919.2	Nov-02	15	50 mm PVC	15	9–15	314.94	2.40	Water supply monitoring
SMWB29	398610.1	8083003.7	Nov-02	21	50 mm PVC	ND	ND	316.36	ND	Water supply monitoring
SMWB30	398590.9	8083021.3	Nov-02	27	50 mm PVC	20	14–20	316.32	2.40	Water supply monitoring
SMWB32	397812.7	8083997.0	Sep-03	10	50 mm PVC	10	4–10	324.66	6.28	Water supply monitoring
SMWB33	396892.4	8082978.9	Sep-03	12	50 mm PVC	12	6–12	330.96	3.59	Water supply monitoring
SMWB34	398500.5	8083111.3	Sep-03	12	50 mm PVC	12	6–12	318.28	3.00	Water supply monitoring
SMWB35	398190.1	8083246.4	Sep-03	12	50 mm PVC	12	6–12	320.51	5.00	Water supply monitoring
SMWB36	397993.4	8083216.8	Sep-03	12	50 mm PVC	12	6–12	321.59	4.90	Water supply monitoring
SMWB37	399155.3	8082067.2	Sep-03	12	50 mm PVC	12	6–12	311.90	5.50	Water supply monitoring
SMWB38	398673.1	8080970.8	Sep-03	12	50 mm PVC	12	6–12	308.58	3.50	Water supply monitoring
SMWB39	398968.1	8081812.4	Sep-03	12	50 mm PVC	12	6–12	309.58	3.60	Water supply monitoring
SMWB40	398892.5	8081686.3	Sep-03	12	50 mm PVC	12	6–12	310.21	2.40	Water supply monitoring
SMML Camp	397802.0	8083950.0	ND	ND	155 mm PVC	ND	ND	326.01	8.40	Water supply monitoring

Bore ID	Location (MGA94 z52)		Date Drilled	Drilled Depth (mbgl)	Casing details			Datum (m RL)	Original SWL (mbgl)	Purpose
	Easting	Northing			Type	Depth (mbgl)	Slotted Interval (mbgl)			
Anglo Camp	397574.9	8083527.9	ND	ND	150 mm PVC	ND	ND	330.09	6.60	Water supply monitoring
PARP MB01	397418.2	8079779.8	Oct-04	14	50 mm PVC	14	8–14	314.80	6.30	Process monitoring
WSFMB01	396998.3	8080828.8	Oct-04	30	50 mm PVC	22	10–22	338.70	9.20	WSF1 monitoring
WSFMB02	396993.5	8080797.8	Oct-04	18	50 mm PVC	18	12–18	338.50	9.20	WSF1 monitoring
TSFMB01	396928.3	8080855.8	Oct-04	9	50 mm PVC	9	3–9	338.70	1.10	TSF monitoring
SMMB01	397495.3	8080616.9	Aug-02	25	50 mm PVC	25	19–25	316.21	3.04	TSF monitoring
SMMB02	397307.8	8080682.8	Aug-02	25	50 mm PVC	25	19 –25	317.85	2.18	TSF monitoring
SMMB03	397341.7	8080932.7	Aug-02	25	50 mm PVC	25	19–25	324.28	6.45	TSF monitoring
SMMB05	397175.4	8080759.3	Aug-02	30	50 mm PVC	30	0–30	ND	2.50	TSF monitoring (decommissioned)
SMMB06	395973.1	8081247.6	Mar-08	42	50 mm PVC	ND	ND	395.55	41.86	WRD monitoring
SMMB07	396899.0	8081959.8	Mar-08	30	50 mm PVC	14	ND	351.46	6.57	TSF monitoring
SMMB08	396653.6	8081865.0	Mar-08	36	50 mm PVC	36	12–24 30–36	362.27	15.35	TSF monitoring
SMMB09	396179.5	8081839.3	Mar-08	78	50 mm PVC	78	12–18 24–30 36–42 48–54 60–66 72–78	362.62	28.47	Underground monitoring
SMMB10	397760.5	8081795.2	Mar-08	60	50 mm PVC	60	42–60	343.53	34.49	Regular monitoring
SMMB11	397697.8	8081558.2	Mar-08	60	50 mm PVC	60	43–60	357.90	ND	Regular monitoring
SMMB12	396160.2	8082076.3	Mar-08	24	50 mm PVC	24	6–24	359.15	12.94	Underground monitoring
SMMB13	397023.7	8082549.7	Mar-08	24	50 mm PVC	24	6–24	338.27	7.08	Regular monitoring
SMMB14	397333.6	8082266.4	Mar-08	24	50 mm PVC	24	6–12 18–24	340.30	ND	Village monitoring
SMMB15	397337.8	8081973.2	Mar-08	30	50 mm PVC	30	6–12 18–30	342.72	15.34	Village monitoring
SMMB16	397899.4	8081125.8	Mar-08	24	50 mm PVC	24	6–24	320.95	9.97	TSF monitoring
SMMB17	397563.0	8080772.4	Mar-08	24	50 mm PVC	24	6–24	320.53	7.98	TSF monitoring
SMMB18	395885.2	8081679.4	Mar-08	42	50 mm PVC	42	12–30 36–42	364.48	16.18	TSF monitoring
SMMB19	396610.2	8081045.8	Mar-08	42	50 mm PVC	42	6–18 24–30 36–42	355.61	16.31	TSF monitoring
SMMB48	397175.2	8080743.8	Mar-11	31	50 mm PVC	28.6	22.6-28.6	324.16	1.94	TSF monitoring

Appendix B.4 Surface water monitoring locations

Site Name	Location (MGA94 z52)	
	Easting (m)	Northing (m)
Fletcher Creek Northern Control Point - FCNCP	399489	8082965
Fletcher Creek Northern Control Point 1 - FCSCP1	398617	8080015
Fletcher Creek Northern Control Point 2 - FCSCP2	398479	8078979
Rademy Spring -RS	396825	8082852
Mine Creek (Great Northern Highway) – MCC (Hwy)	398209	8080369
Join of seepage to Fletcher Creek – JOS (FC)	398650	8080372
Water Storage Facility 1 – WSF1	396966	8080850
WSF1 Seepage – WSF1 seepage	397075	8080804
Tails Storage Facility Decant – TSF decant	397003	8081116
Stoney Creek Upstream Control Point – ST-US	398026	8083874
Stoney Creek Downstream Control Point - STDS	398735	8082929

Appendix B.5 Water monitoring programme

Risk Category	Monitoring Type	Locations	Abstraction Volume Frequency	Water Level Frequency	Water Quality Frequency	Water Quality Suite
High	Water supply	SMPB01#, SMPB02#, SMPB04, SMPB05, SMPB06, SMPB07, SMPB10#,	Monthly	Monthly	Annually (May)	1, 4, 5#
	TSF seepage recovery	SMPB03, SMPB12	Daily	Monthly	Quarterly	1, 4, 5#
	Mine water distribution network	PARP, RWP, PWD, WFS1, WSF2, WSF3, Pit, Underground, TSF	Monthly	N/A	N/A	N/A
	Monitoring bores	SMMB05, SMMB06, SMMB09, SMMB17, SMMB18, SMMB21, MMB22, SMMB23, SMMB26, SMMB30D, SMMB31, SMMB33, SMMB41, SMMB42, SMMB45, SMMB46, SMMB47, SMMB48, SMMB62, SMMB63, SMMB64, SMMB65, SWMB15, SWMB16, SWMB18, SWMB20, SWMB22, SWMB26, SWMB27, SWMB30, SWMB31, SWMB35,	N/A	Monthly	N/A	N/A

Risk Category	Monitoring Type	Locations	Abstraction Volume Frequency	Water Level Frequency	Water Quality Frequency	Water Quality Suite
		SWMB36, SWMB37, SWMB38, SWMB40				
		SMMB01#, SMMB02#, SMMB03#, PARPMB01	N/A	Monthly	Quarterly	1, 3, 4, 5#
	TSF seepage	TSFMB01, WSFMB01, WSFMB02, SMMB07, SMMB08, SMMB16, SMMB17, SMMB20, SMMB27, SMMB28, SMMB29, SMMB30D, SMMB31, SMMB32, SMMB33, SMMB43, SMMB48	N/A	Monthly	Quarterly	1, 4
	Surface water	FCSCP1, MC#, MCC(Hwy)#, JOS(FC)#, WSF1, WSF2, WSF3, WSF1 seepage, TSF decant, TSF seepage	N/A	N/A	Quarterly - opportunistic	2, 4, 5#
Medium	Monitoring bores	SMMB10, SMMB12, SMMB15, SMMB16, SMMB28, SMMB29, SMMB44, SMMB61D, SMMB61S, SMWB15, SMWB21, SMWB39	N/A	Quarterly	N/A	N/A
	Surface water	FCNCP#, RS, FCSCP2#, ST-US, STDS	N/A	N/A	Quarterly - opportunistic	2, 4, 5#
Low	Standby production bores	SMPB08, SMPB09, SMPB11	Quarterly*	Annually (October)	Annually*	1, 4
	Monitoring bores	SMMB13, SMMB14, SMMB32, SMMB34, SMMB36, SMMB37, SMMB38, SMMB39, SMMB51, SMMB52, SMMB53, SMMB54, SMMB55, SMMB56, SMMB57, SMMB58, SMMB59, SMMB60, SMML Camp Bore, Anglo Camp Bore, Limestone Bore, SMWB09, SMWB10, SMWB12, SMWB17, SMWB19, SMWB23, SMWB25, SMWB28, SMWB29, SMWB34	N/A	Annually (October)	N/A	N/A

Notes: * - when operational. # - TRH only required by the Environment Licence from locations listed above.

Appendix B.5 Water quality suites and associated parameters

Suite number	Suite	Parameters
1	Production bores	**Physicochemical**: pH, electrical conductivity (EC), total dissolved solids (TDS), total hardness, total alkalinity. **Major ions**: calcium (Ca), magnesium (Mg), sodium (Na), potassium (K), carbonate/bicarbonate (CO_3/HCO_3), chloride (Cl), sulphate (SO_4), nitrate (NO_3), nitrite (NO_2), silica (Si). **Metals(oids)**: aluminium (Al), arsenic (As), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), Iron (Fe), Lead (Pb), manganese (Mn), mercury (Hg), nickel (Ni), selenium (Se), silver (Ag), Zinc (Zn). **Nutrients**: ammonia (NH_3), total Kjeldahl nitrogen (TKN), total phosphorous (TP).
2	Surface water	**Physicochemical:** pH, EC, TDS. **Major ions**: Ca, Mg, K, Na, Cl, SO_4, NO_3, Si. **Nutrients**: NH_3. **Metals(oids):** Al, As, Cd, Co, Cr, Cu, Fe, Hg, Ni, Mn, Pb, Se, Ag, Zn.
3	Groundwater*	pH, EC, TDS, acidity, alkalinity, Al, As, Ca, Cd, Cr, Cu, Co, Fe (total, ferrous and ferric), Hg, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Si, Sn, Zn, chloride, sulphate, ammonia, nitrate, standing water level.
4	Field readings	Standing water level, pH, EC, and temperature
5	Hydrocarbons	Total recoverable hydrocarbons

Note: *The works approval suite includes all parameters listed in the DWER operating licence for seepage

Appendix C

Groundwater Abstraction Data

Appendix C.1 - Monthly Bore Abstraction Data

Month	Water Supply Borefield								Village	Seepage Recovery		Mine	Total
	SMPB01	SMPB02	SMPB05	SMPB06	SMPB07	SMPB08	SMPB09	SMPB10	SMPB04	SMPB03	SMPB12	Dewatering	Abstraction
Aug-04	20,910	9,550	6,790	13,210	7,800	0	0	9,180	5,360	60,673	0	0	133,473
Sep-04	19,673	9,380	7,085	30,193	9,510	0	0	10,350	8,413	11,231	0	0	105,835
Oct-04	22,678	11,261	9,905	0	13,415	0	0	14,730	34,647	6,675	0	0	113,311
Nov-04	0	0	0	0	0	0	0	0	18,060	21,430	0	0	39,490
Dec-04	0	0	0	0	0	0	0	0	40,140	3,091	0	0	43,231
Jan-05	0	0	0	0	0	0	0	0	20,020	9,624	0	1,334	30,978
Feb-05	0	0	0	0	0	0	0	0	0	4,764	0	3,371	8,135
Mar-05	7,219	3,729	485	4,249	2,954	0	0	0	32,567	0	0	4,660	55,863
Apr-05	6,340	4,010	0	1,508	11	0	0	0	14,763	20,120	0	6,008	52,760
May-05	2,449	1,285	3,705	18,680	4,550	0	0	0	2,657	14,282	0	7,264	54,872
Jun-05	9,680	1,522	5,355	8,190	1,712	0	0	0	1,453	17,201	0	7,206	52,319
Jul-05	11,759	7,822	4,175	15,545	11,506	0	0	0	1,516	2,576	0	7,020	61,919
Aug-05	570	13,610	8,676	23,315	17,511	0	0	0	2,260	15,444	0	6,700	88,086
Sep-05	8,061	9,946	5,536	12,377	15,252	0	0	0	1,900	13,198	0	1,825	68,095
Oct-05	27,235	14,155	1,701	1,753	16,909	0	0	11,419	2,604	17,339	0	2,095	95,210
Nov-05	11,721	2,480	0	0	2,439	0	0	6,134	773	4,303	0	2,283	30,133
Dec-05	13,537	0	0	1	0	0	0	3,806	1,436	1,310	0	3,178	23,268
Jan-06	3,868	11,404	0	0	4,923	0	0	743	3,217	0	0	5,813	29,968
Feb-06	0	4,891	0	0	0	0	0	0	1,294	1,396	0	5,668	13,249
Mar-06	342	8,724	0	0	2,885	0	0	0	2,314	733	0	7,749	22,747
Apr-06	12,116	4,713	0	0	5,485	0	0	0	4,995	264	0	8,956	36,529
May-06	0	7,667	0	0	0	0	0	0	3,288	292	0	10,210	21,457
Jun-06	5,438	14,265	0	0	0	0	0	0	6,946	196	0	10,980	37,825
Jul-06	5,438	14,265	0	0	0	0	0	0	6,946	196	0	9,662	36,507
Aug-06	0	9,805	0	0	0	0	0	0	3,853	141	0	10,153	23,952
Sep-06	0	10,028	3,835	8,447	38	0	0	9,256	5,651	121	0	11,475	48,851
Oct-06	7,257	9,915	7,640	15,402	0	0	0	6,491	4,232	1	0	8,432	59,370
Nov-06	29,008	2,394	13,262	4,602	17,585	0	0	14,329	6,161	255	0	15,133	102,729
Dec-06	25,516	0	7,008	9,600	11,233	0	0	13,072	4,766	373	0	11,881	83,449
Jan-07	13,996	1	1,426	9,853	1,773	0	0	6,443	3,966	573	0	12,889	50,920
Feb-07	18,668	1	0	532	0	0	0	0	4,495	772	0	12,824	37,292
Mar-07	26,626	878	0	18,513	9,844	0	0	8,593	6,871	28	0	13,511	84,864
Apr-07	7,023	11,313	473	0	0	0	0	4,128	5,588	273	0	14,503	43,301
May-07	3,435	4,376	0	0	0	0	0	7,163	2,609	239	0	15,819	33,641
Jun-07	0	11,174	0	0	0	0	0	0	2,674	9,842	0	19,086	42,776
Jul-07	0	10,000	0	0	0	0	0	0	2,366	12,431	0	586	25,383
Aug-07	0	11,672	0	0	0	0	0	0	2,766	13,282	0	1,186	28,906
Sep-07	12,995	8,257	0	0	0	0	0	0	2,031	7,187	0	1,444	31,914
Oct-07	2,996	8,844	37	11,961	0	0	0	20,059	3,238	14,931	0	1,262	63,328
Nov-07	0	8,300	0	0	0	0	0	7,417	2,396	12,129	0	578	30,820
Dec-07	0	9,700	0	0	0	0	0	2,280	2,471	12,556	0		27,007
Jan-08	1	2,807	207	4,641	134	0	0	10,850	2,469	11,007	0	898	33,014
Feb-08	0	0	0	23,303	0	0	0	4,189	3,805	11,220	0	1,898	44,415
Mar-08	0	0	0	20,457	0	0	0	0	2,643	0	0	730	23,830
Apr-08	0	0	0	2,863	2	0	0	10,941	2,643	24,744	0	66	41,259
May-08	7	0	2	537	2	0	0	12,797	2,612	12,009	0	385	28,351
Jun-08	0	5	0	17,362	0	0	0	12,264	2,826	12,386	0	1,144	45,987
Jul-08	0	0	0	20,568	1	0	0	10,193	2,453	10,918	0	34,155	78,288
Aug-08	0	0	2	19,703	1	0	0	9,929	3,268	11,202	0	20,478	64,583
Sep-08	0	242	0	17,827	5,241	0	0	10,169	3,242	11,351	0	10,401	58,473
Oct-08	0	3,736	0	20,353	11,716	0	0	8,207	3,142	11,528	0	29,642	88,324
Nov-08	0	7,451	7	17,596	8,575	0	0	2,353	3,075	8,127	0	14,121	61,305
Dec-08	0	2,019	0	14,673	154	0	0	0	2,334	4,591	0	24,645	48,416
Jan-09	0	0	0	26,714	0	0	0	0	3,256	15,786	0	70,340	116,096
Feb-09	0	0	7	1,379	12,954	0	0	9	2,382	13,112	0	50,184	80,027
Mar-09	0	4	0	0	15,674	0	0	0	2,846	1,217	0	35,778	55,519
Apr-09	0	318	2	792	14,154	0	0	0	2,418	8,912	0	25,916	52,512
May-09	2,403	68	9	4,332	1,061	0	0	67	2,715	12,297	0	34,367	57,319
Jun-09	2,448	0	0	1,718	0	0	0	0	2,524	10,634	0	26,593	43,917
Jul-09	3,294	0	0	2,694	0	0	0	0	2,792	14,173	0	969	23,922
Aug-09	6,987	2	1	5,795	6	0	0	5	2,181	10,758	0	2,146	27,881
Sep-09	9,886	0	0	8,211	0	0	0	0	1,805	5,196	0	507	25,605
Oct-09	11,449	232	0	6,241	1	0	0	2,200	2,261	2,187	0	-922	23,649
Nov-09	11,450	232	0	6,241	1	0	0	2,200	2,261	2,187	0	-1,032	23,540
Dec-09	16,296	0	0	9,332	0	0	0	8,429	2,097	9,604	0	-823	44,935
Jan-10	16,398	0	0	17,081	0	0	0	7,733	3,387	14,007	0	317	58,923
Feb-10	0	269	822	12,051	792	0	0	8	2,159	442	0	1,206	17,749
Mar-10	0	0	4,613	9,974	4,182	0	0	0	2,323	0	0	2,329	23,421
Apr-10	0	0	8,724	6,673	1,784	0	0	0	2,572	0	0	2,512	22,265
May-10	0	6,774	4,987	13,586	1,202	0	0	9,404	2,740	2	0	-2,653	36,042
Jun-10	7	1,532	2,918	14,521	0	0	0	815	2,760	0	0	-749	21,804
Jul-10	3,701	0	9,776	2,769	0	0	0	0	2,672	13,382	0	340	32,640
Aug-10	3,159	0	7,609	6,011	1	0	0	3	3,386	10,851	0	-748	30,272
Sep-10	0	0	7,748	932	0	0	0	1	2,420	9,344	0	394	20,839
Oct-10	0	135	6,986	0	0	0	0	0	3,067	9,401	0	1,735	21,324
Nov-10	7	222	1,267	25	1	0	0	514	3,300	13	0	-5,472	-124
Dec-10	4,855	0	710	0	0	0	0	2,259	3,300	6,049	0	3,501	20,674
Jan-11	713	0	3,244	857	545	0	0	0	3,612	5,090	0	1,482	15,543
Feb-11	11	2	3,385	3	29	0	0	6	3,604	0	0	11,692	18,732
Mar-11	0	0	3,366	0	0	0	0	0	3,485	3,995	0	36,068	46,914
Apr-11	8	3	3,505	29	0	0	0	6	3,051	2	0	52,248	58,852
May-11	0	0	3,386	0	0	0	0	0	2,648	0	0	43,819	49,853
Jun-11	0	0	3,378	172	0	0	0	1	3,045	0	0	39,556	46,152
Jul-11	0	0	3,185	0	0	0	0	0	2,457	3	0	33,044	38,689
Aug-11	0	0	3,195	1	0	0	0	0	2,980	0	0	30,262	36,438
Sep-11	0	0	3,108	108	0	0	0	0	3,632	5,745	0	23,162	35,755
Oct-11	0	2	3,891	242	0	0	0	0	2,637	14,029	0	13,157	33,958
Nov-11	0	38	5,398	240	0	0	0	0	3,801	10,863	0	11,601	31,941
Dec-11	0	0	5,669	503	0	0	0	0	2,480	12,905	0	13,936	35,493

Appendix C.1 - Monthly Bore Abstraction Data

Month	Water Supply Borefield								Village	Seepage Recovery		Mine	Total
	SMPB01	SMPB02	SMPB05	SMPB06	SMPB07	SMPB08	SMPB09	SMPB10	SMPB04	SMPB03	SMPB12	Dewatering	Abstraction
Jan-12	0	2	5,872	417	0	0	0	1	2,869	11,512	0	11,310	31,983
Feb-12	0	0	4,258	1	0	0	0	0	2,457	4,133	0	11,923	22,772
Mar-12	0	0	4,771	637	0	0	0	0	2,656	6,258	0	22,015	36,337
Apr-12	0	1	4,065	1,175	0	0	0	0	2,402	11,625	0	18,345	37,613
May-12	0	0	4,419	773	0	0	0	0	2,695	0	0	7,932	15,819
Jun-12	1	0	3,911	722	0	0	0	0	2,756	12,684	0	9,772	29,846
Jul-12	0	2	1,293	1,405	0	0	0	0	2,587	11,583	0	9,870	26,740
Aug-12	0	11	758	3,295	0	0	0	1	2,566	10,403	0	7,832	24,866
Sep-12	0	0	4,107	1,028	0	0	0	0	3,887	15,550	0	8,283	32,855
Oct-12	0	3	3,700	160	1	0	0	0	1,840	9,386	0	7,770	22,860
Nov-12	0	0	4,593	1,211	530	0	0	1	2,487	11,271	0	6,722	26,815
Dec-12	0	0	4,163	3	2	0	0	0	2,439	11,314	0	7,298	25,219
Jan-13	0	3	3,442	697	0	0	0	0	3,052	10,290	0	29,081	46,565
Feb-13	0	3	3,565	7	0	0	0	0	2,019	7,581	0	4,676	17,851
Mar-13	0	0	3,972	1	0	0	0	0	2,398	10,996	0	7,634	25,001
Apr-13	0	0	3,972	0	0	0	0	0	2,446	11,655	0	6,865	24,938
May-13	0	2	3,449	4	3	0	0	0	2,474	11,576	0	7,788	25,296
Jun-13	0	0	2,284	0	0	0	0	0	2,266	10,500	0	8,038	23,088
Jul-13	0	0	1,961	1,140	218	0	0	0	2,306	10,391	0	15,784	31,800
Aug-13	0	4	2,123	570	109	0	0	0	5,581	11,771	0	-1,626	18,531
Sep-13	0	0	6,075	29,907	25,617	0	0	1	0	11,771	0	5,742	79,112
Oct-13	0	6,479	8,562	14,869	14,486	0	0	0	3,301	11,974	0	5,410	65,081
Nov-13	0	9,983	9,385	15,853	17,297	0	0	0	3,541	15,052	0	6,514	77,625
Dec-13	0	2,682	3,536	5,517	2,091	0	0	0	1,461	6,081	0	4,646	26,014
Jan-14	0	1,910	6,178	5,824	2,986	0	0	0	2,167	10,665	0	2,395	32,125
Feb-14	0	2,350	3,462	1,469	2,831	0	0	0	2,450	9,074	0	13,122	34,758
Mar-14	0	500	2,300	983	918	0	0	0	2,666	15,698	0	24,157	47,221
Apr-14	0	1,587	1,038	3,983	918	0	0	0	2,666	15,698	0	17,829	43,717
May-14	0	635	1,487	2,762	1,036	0	0	0	2,649	13,938	0	20,825	43,332
Jun-14	0	635	383	1,808	2,034	0	0	0	2,784	12,473	0	10,106	30,223
Jul-14	0	791	935	1,315	1,182	0	0	0	2,940	12,427	0	4,125	23,715
Aug-14	0	37	1,972	6,078	5,802	0	0	0	3,130	11,264	0	2,397	30,680
Sep-14	0	233	7,125	13,805	11,001	0	0	0	2,892	10,003	0	-92	44,967
Oct-14	0	2,142	8,462	15,472	14,636	0	0	0	3,629	12,366	0	-2,617	54,092
Nov-14	0	5,033	5,040	9,869	9,901	0	0	0	3,164	10,801	13,652	-786	56,674
Dec-14	0	5,670	4,561	8,139	11,106	0	0	0	3,073	11,142	27	-3,333	40,386
Jan-15	0	2,386	2,424	8,298	9,919	0	0	0	3,178	11,885	40,824	10,097	89,011
Feb-15	0	3,016	3,350	5,044	12,782	0	0	0	3,194	12,203	18,447	1,723	59,759
Mar-15	0	5,022	4,917	8,846	6,214	0	0	3,438	4,912	16,223	27,061	-2,180	74,452
Apr-15	0	4,603	4,708	3,317	4,068	0	0	3,736	4,944	11,864	22,685	916	60,841
May-15	0	7,781	8,164	13,060	2,984	0	0	8,523	4,351	10,667	33,565	1,859	90,954
Jun-15	0	4,301	3,768	7,738	6,625	0	0	5,960	3,396	12,193	28,220	942	73,143
Jul-15	0	4,120	4,257	14,752	13,973	0	0	10,329	4,107	11,162	26,790	-6,048	83,442
Aug-15	0	1,947	2,681	15,877	14,174	0	0	8,555	4,107	13,165	28,302	-4,492	84,317
Sep-15	0	1,160	1,353	15,826	13,328	0	0	8,400	3,795	11,827	30,783	-10,756	75,715
Oct-15	0	5,583	5,145	14,960	12,930	0	0	7,680	3,021	10,902	27,964	-2,056	86,129
Nov-15	0	6,427	4,352	15,876	13,997	0	0	8,132	3,416	14,147	31,212	-4,816	92,742
Dec-15	7,628	6,427	1,729	7,489	5,079	0	0	2,867	2,781	10,421	19,051	4,718	68,190
Jan-16	18,661	7,320	2,256	11,523	6,990	0	0	1,635	7,081	11,666	18,203	18,214	103,549
Feb-16	0	1,352	3,211	7,436	6,841	0	0	2,731	7,075	13,941	14,446	-4,837	52,196
Mar-16	0	4,200	3,980	9,349	8,237	0	0	4,786	5,816	10,507	12,230	6,395	65,499
Apr-16	0	8,602	6,446	13,871	12,900	0	0	0	6,498	11,442	17,505	-3,930	73,334
May-16	0	1,662	3,807	15,710	11,994	0	0	1,610	9,793	12,602	0	-42,452	14,725
Jun-16	0	566	556	2,035	1,002	0	0	424	4,118	12,941	15,864	-19,412	18,094
Jul-16	0	0	241	0	417	0	0	0	3,203	11,249	0	0	15,110
Aug-16	0	98	1,388	1,464	479	0	0	0	3,089	13,400	0	0	19,918
Sep-16	0	98	0	0	0	0	0	0	2,975	12,000	0	9,266	24,339
Oct-16	0	98	0	0	0	0	0	0	3,039	14,005	0	950	18,092
Nov-16	0	3	0	4	2	0	0	9	4,170	7,703	0	6,574	18,465
Dec-16	0	0	0	0	0	0	0	0	1,971	0	0	16,949	18,920
Jan-17	0	1,095	0	0	0	0	0	0	2,960	0	0	25,978	30,033
Feb-17	0	205	0	0	0	0	0	0	1,466	0	0	76,586	78,257
Mar-17	0	790	0	4	2	0	0	11	3,118	0	0	108,346	112,271
Apr-17	0	897	0	0	0	0	0	0	3,118	4,263	0	55,678	63,956
May-17	0	365	0	2	3	0	0	12	3,137	2,452	0	35,006	40,977
Jun-17	0	800	0	64	0	0	0	0	4,530	13,812	0	29,225	48,431
Jul-17	0	143	0	303	0	0	0	0	223	2,486	0	34,769	37,924
Aug-17	0	598	0	1	3	0	0	20	4,243	16,885	0	30,334	52,084
Sep-17	0	330	0	0	0	0	0	0	2,556	9,342	0	27,878	40,106
Oct-17	0	591	0	0	0	0	0	0	3,058	9,219	0	37,541	50,409
Nov-17	0	579	0	3	3	0	0	17	2,942	10,212	0	17,820	31,576
Dec-17	0	489	0	0	0	0	0	0	2,498	9,696	0	20,117	32,800
Jan-18	0	548	0	151	0	0	0	463	3,437	10,751	0	14,256	29,606
Feb-18	0	452	0	2	0	0	0	21	2,619	7,549	0	18,374	29,017
Mar-18	0	178	0	0	2	0	0	0	1,652	7,328	0	9,029	18,189
Apr-18	0	1,570	0	0	0	0	0	0	1,913	7,361	0	10,930	21,774
May-18	0	414	0	0	0	0	0	849	1,330	6,690	0	14,256	23,539
Jun-18	0	0	0	0	1	0	0	1,244	1,895	8,393	0	12,593	24,126
Jul-18	0	3	0	2	0	0	0	1,357	1,895	8,393	0	6,732	18,382
Aug-18	0	3,256	0	1	0	0	0	1,543	3,455	9,409	0	1,188	18,853
Sep-18	0	3,256	0	0	0	0	0	327	3,450	9,409	0	1,030	17,472
Oct-18	0	3,256	0	0	0	0	0	0	3,460	9,409	0	-11	16,114
Nov-18	0	7,156	0	0	0	0	0	0	3,875	6,718	0	-315	17,434
Dec-18	0	6,163	0	0	0	0	0	5,303	4,308	16,434	0	7,785	39,993
Jan-19	0	8,381	0	0	0	0	0	0	461	8,532	0	10,345	27,718
Feb-19	0	8,381	0	0	0	0	0	0	461	11,207	48,258	8,423	76,729
Mar-19	0	14,579	0	0	748	0	0	20,978	8,815	8,028	48,258	5,871	107,276
Apr-19	0	6,095	0	21,604	8,038	0	0	8,212	4,376	7,335	21,694	4,756	82,110
May-19	0	3,753	0	25,564	10,008	0	0	7,005	7,470	9,982	20,444	2,230	86,456

Appendix C.1 - Monthly Bore Abstraction Data

Month	Water Supply Borefield								Village	Seepage Recovery		Mine	Total
	SMPB01	SMPB02	SMPB05	SMPB06	SMPB07	SMPB08	SMPB09	SMPB10	SMPB04	SMPB03	SMPB12	Dewatering	Abstraction
Jun-19	0	3,070	0	21,740	8,996	0	0	5,100	5,318	8,003	25,047	2,699	79,973
Jul-19	265	7,442	499	17,034	11,331	0	0	5,272	5,191	9,258	25,335	-6,144	75,483
Aug-19	15,575	6,441	4,957	3	10,842	0	0	944	6,306	8,438	21,311	-6,871	67,946
Sep-19	6,772	6,155	2,594	7,540	12,331	0	0	1,027	5,397	5,848	15,194	-6,552	56,306
Oct-19	5,666	6,125	0	7,594	9,728	0	0	2,976	2,939	7,862	23,460	6,401	72,751
Nov-19	10,518	3,283	1,461	13,291	3,545	0	0	7	4,213	7,967	13,550	-7,189	50,646
Dec-19	7,639	4,850	1,750	12,173	6,742	44	1,271	0	4,755	6,838	9,740	-23,755	32,047
Jan-20	3,446	6,116	2,736	14,002	7,773	0	0	0	5,195	6,524	10,110	-6,323	49,579
Feb-20	10,449	934	1,771	12,702	1,770	0	0	0	4,452	8,442	7,740	3,492	51,752
Mar-20	0	1,158	1,851	15,074	0	0	0	0	5,575	9,525	13,280	-2,775	43,688
Apr-20	0	6,358	3,797	943	5,765	0	0	0	3,308	8,263	9,446	9,696	47,576
May-20	0	429	662	1,801	1	0	0	0	2,866	8,246	0	5,857	19,862
Jun-20	0	764	15	2	1	0	0	0	1,208	7,589	1,498	631	11,708
Jul-20	0	83	1,781	18	0	0	0	0	1,897	8,053	2,072	11,326	25,230
Aug-20	0	82	1,781	7	0	0	0	0	1,898	8,053	2,072	2,273	16,166
Sep-20	0	82	1,781	0	1	0	0	0	1,897	8,053	2,072	1,323	15,209
Oct-20	0	203	1,520	554	0	0	0	0	2,268	4,759	5,910	-5,197	10,017
Nov-20	0	203	1,520	554	0	0	0	0	2,268	4,759	5,910	-1,671	13,543
Dec-20	0	203	1,520	554	0	0	0	0	2,268	4,759	5,910	5,940	21,154
Jan-21	0	203	1,523	554	0	0	0	0	2,268	4,759	5,910	3,881	19,098
Feb-21	0	0	3,128	7	0	0	0	0	3,110	10,826	8	15,918	32,997
Mar-21	0	10	1,919	78	1	0	0	0	2,321	7,656	0	15,761	27,746
Apr-21	0	2	1,785	1	0	0	0	0	2,014	7,034	0	9,463	20,299
May-21	0	0	593	0	0	0	0	0	2,395	2,145	0	7,869	13,002
Jun-21	0	0	699	0	0	0	0	0	1,688	2,125	3,762	11,261	19,535
Jul-21	0	0	3,185	0	0	0	0	0	3,381	8,903	10,740	2,725	28,934
Aug-21	0	0	2,374	2,374	254	0	0	0	3,332	3,209	4,520	-8,018	8,045
Sep-21	0	0	1,944	1,944	3	0	0	0	3,589	6,836	30	9,406	23,752
Oct-21	0	0	333	21,244	8,530	0	0	0	3,218	6,328	10,047	8,154	57,856
Nov-21	0	0	2,641	24,749	11,465	0	0	0	3,677	8,065	16,282	2,374	69,253
Dec-21	0	0	4,139	15,720	7,198	0	0	0	2,751	4,563	10,407	6,084	50,864
Jan-22	0	0	5,723	10,250	10,455	0	0	0	3,907	6,292	6,005	4,585	47,217
Feb-22	0	0	13,437	11	19,004	0	0	0	7,751	12,331	18,615	1,438	72,588
Mar-22	0	0	5,960	27	8,984	0	0	0	3,799	4,919	4,816	14,195	42,700
Apr-22	0	6	8,339	2	8,215	0	0	0	5,753	6,704	1	8,292	37,312
May-22	0	1	6,688	11,014	9,044	0	0	0	4,919	5,913	7,718	13,876	59,174
Jun-22	0	2	2	30,819	10,009	0	0	0	4,358	6,093	7,613	16,649	75,545
Jul-22	0	3	1,216	26,921	3,863	0	0	0	4,443	5,942	7,871	5,437	55,697
Aug-22	0	3,587	3,957	19,862	4,943	0	0	0	3,654	5,580	8,961	-22,769	27,775
Sep-22	0	2	4,260	20,630	3,795	0	0	0	4,443	5,058	7,851	28,662	74,702
Oct-22	0	2,839	3,471	6,431	7,525	0	0	0	5,143	5,017	8,992	-4,952	34,467
Nov-22	0	4,512	3,224	8,226	7,988	0	0	0	5,855	4,633	6,112	-8,292	32,258
Dec-22	0	10,123	9,159	2	14,089	0	0	0	11,138	7,454	5,148	-10,243	46,869
Jan-23	0	7,234	6,755	5,927	3,843	0	0	0	8,584	4,347	71	3,659	40,421
Feb-23	0	1,392	7,160	0	0	0	0	0	5,582	7,240	14,335	1,289	36,998
Mar-23	0	135	2,508	15,280	7,891	0	0	0	4,797	6,292	0	-1,785	35,119
Apr-23	0	390	366	11,761	4,353	0	0	0	3,706	5,091	0	-2,472	23,195
May-23	0	2,064	265	12	5,388	0	0	0	4,309	5,460	0	-11,797	5,701
Jun-23	0	2,359	0	4	8,059	0	0	0	4,314	6,375	0	-9,791	11,321
Jul-23	0	829	0	3	6,680	0	0	0	2,623	6,128	0	10,369	26,632
Aug-23	0	1,373	4,323	1	0	0	0	0	4,112	6,378	0	12,459	28,646
Sep-23	0	2,268	3,333	2,910	5,444	0	0	13	4,130	5,953	0	8,801	32,852
Oct-23	0	2,673	13	864	6,320	0	0	0	4,453	6,190	4,287	4,649	29,448
Nov-23	0	5,665	0	0	0	0	0	0	3,202	5,524	0	3,518	17,908
Dec-23	0	7,672	1	21	15	0	0	6,716	3,850	6,338	19	-6,333	18,300
Jan-24	0	8,440	681	17	243	0	0	0	6,832	6,150	0	4,970	27,332
Feb-24	0	8,440	0	0	0	0	0	0	2,515	6,150	0	10,105	27,210
Mar-24	0	2,914	0	0	0	0	0	0	3,767	4,590	0	37,798	49,069
Apr-24	0	3,356	0	0	0	0	0	0	3,650	4,178	0	37,125	48,309
May-24	0	3,356	0	0	0	0	0	0	3,649	4,178	0	37,798	48,981
Jun-24	0	6,853	0	0	0	0	0	0	2,882	5,702	0	37,125	52,562
Jul-24	0	6,853	0	0	0	0	0	0	1,220	5,703	0	25,423	41,226
Aug-24	0	8,880	0	0	0	0	0	0	4,392	8,809	0	25,344	41,623
Sep-24	0	3,078	0	0	0	0	0	0	3,248	4,407	0	27,878	38,543
Oct-24	0	3,010	0	0	535	0	0	0	3,828	6,252	0	10,850	24,079
Nov-24	0	3,148	0	0	0	0	0	0	3,528	5,003	0	10,454	25,127
Dec-24	0	6,142	0	0	0	0	0	0	3,596	5,561	0	8,633	23,928
Jan-25	0	6,138	0	0	0	0	0	0	2,315	3,154	0	21,938	28,242
Feb-25	0	835	0	0	0	0	0	0	3,249	3,790	0	10,534	22,412
Mar-25	0	4,840	0	0	0	0	0	0	1,997	5,877	0	12,989	23,710
Apr-25	0	2,847	0	0	0	0	0	0	1,599	6,240	0	6,732	17,391
May-25	0	2,820	0	0	0	0	0	0	2,553	265	0	30,571	34,874
Jun-25	0	1,485	1	2	3	0	0	0	1,771	0	0	26,057	29,603
2021-22 Totals	**0**	**9**	**54,765**	**118,155**	**93,161**	**0**	**0**	**0**	**50,436**	**80,155**	**96,794**	**79,761**	**573,237**
2022-23 Totals	**0**	**34,641**	**42,343**	**115,057**	**71,738**	**0**	**0**	**0**	**65,968**	**68,489**	**59,341**	**-33,055**	**424,521**
2023-24 Totals	**0**	**49,344**	**8,352**	**3,819**	**26,760**	**0**	**0**	**6,729**	**47,097**	**68,133**	**4,306**	**151,468**	**366,008**
2024-25 Totals	**0**	**50,076**	**1**	**2**	**538**	**0**	**0**	**1**	**33,295**	**55,061**	**0**	**217,404**	**350,758**
3-year Mth Av.	**0**	**3,849**	**1,408**	**3,302**	**2,527**	**0**	**0**	**187**	**4,026**	**5,306**	**1,768**	**10,631**	**32,848**
5-year Mth Av.	0	2,327	2,084	3,989	3,069	0	0	112	3,694	5,736	3,234	9,011	33,163

Appendix C.2. Flow Meter Data 2023-2024

Area	Flowmeter ID	Description	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Comments
(P) - Flows associated with concentrate and tails production	P03	Thickener O/F to Process Water Pond and Settling Pond	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	2,731,451	Flowmeter seized
	P01	Process water pond to Mill Process Water Demand	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	2,594,132	
	R01	RWP to Mill	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	4,859,385	
	P04	PARP to PWP or Standpipe	4,520,804	4,520,804	4,520,804	4,520,837	4,520,837	4,520,837	4,520,837	4,520,837	4,520,837	4,520,837	4,520,837	4,520,837	replaced 17/08/2023
	T01	Decant return to PWP	386,116	386,116	386,116	386,116	386,116	386,116	386,116	386,116	386,116	386,116	386,116	386,116	
	WSF302	WSF 3 to paste plant	51,078	62,307	69,192	76,181	82,954	86,909	95,918	99,011	102,960	106,912	111,713	114,713	
	WSF301	WSF 3 to GW tank	112,185	112,185	112,185	112,185	112,185	112,185	112,185	112,185	112,185	112,185	112,185	112,185	
	WSF303	WSF 3 to UG	324,267	324,694	324,894	325,389	325,389	325,391	325,391	325,391	325,391	325,391	325,391	325,447	
	PP01	Paste plant to TSF	219,206	225,334	236,562	243,448	250,436	254,391	263,401	266,493	270,442	274,394	279,195	282,196	New flowmeter incorporated
	PP02	Paste plant to WSF 3	0	0	0	0	0	0	0	0	0	0	0	0	Flowmeter required
	UG01	Water to UG - East	731,787	731,787	731,787	731,787	731,787	731,787	731,787	731,787	731,787	731,787	731,787	731,787	
	UG02	Water to UG - West	346,204	346,204	346,204	346,204	346,204	346,204	346,204	346,204	346,204	346,204	346,204	346,204	
	U03	UG 2248 to WSF3 Settling Ponds													
	U04	UG 2248 to WSF3 Settling Ponds													
(F) - Surface flows between water storage areas	SMPB01	Bore 1 to Main Bore Water Line	6	6	6	6	6	6	6	6	6	6	6	6	
	SMPB02	Bore 2 to Main Bore Water Line	88,782	97,662	100,740	103,750	106,898	113,040	119,178	120,013	124,853	127,700	130,520	132,005	
	SMPB03	Bore 3 to WSF 2	165,280	174,089	178,496	184,748	189,751	195,312	198,466	202,256	208,133	214,373	214,638	214,638	
	SMPB04	Bore 4 to Camp	131,682	136,074	139,322	143,150	146,678	150,274	152,589	155,837	157,834	159,433	161,986	163,757	
	SMPB05	Bore 5 to Main Bore Water Line	71,683	71,683	71,683	71,683	71,683	71,683	71,683	71,683	71,683	71,683	71,683	71,684	
	SMPB06	Bore 6 to Main Bore Water Line	160,735	160,735	160,735	160,735	160,735	160,735	160,735	160,735	160,735	160,735	160,735	160,736	
	SMPB07	Bore 7 to Main Bore Water Line	126,690	126,690	126,690	127,225	127,225	127,225	127,225	127,225	127,225	127,225	127,225	127,228	
	SMPB10	Bore 10 to Main Bore Water Line	6,733	6,733	6,734	6,734	6,734	6,734	6,734	6,734	6,734	6,734	6,734	6,734	
	SMPB12	Bore 12 to distribution (either FWT or WSF 3)	83,795	83,795	83,795	83,795	83,795	83,795	83,795	83,795	83,795	83,795	83,795	83,795	
	W01	From WSF1 V/S into FWT	704,340	715,053	723,262	731,989	739,390	748,987	761,952	765,001	768,343	771,214	774,250	774,254	
	M01	Bores to Mill RO plant	351,048	359,928	363,006	366,016	369,165	375,306	381,444	382,279	387,119	389,966	392,786	394,271	
	BP01	Bores to Batch Plant	23,098	23,098	23,098	23,098	23,098	23,098	23,098	23,098	23,098	23,098	23,098	23,098	
	ML01	Bores to UG offices, mill RO, Paste plant	3,572	3,572	3,572	3,572	3,572	3,572	3,572	3,572	3,572	3,572	3,572	3,572	Flowmeter replaced Nov 23
	WSF101	WSF 1 Flygt Pump to Bore 12 V/S	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	1,077,635	
	WSF102	WSF 1 Flygt Pump to FWT	195,763	195,763	195,763	195,763	195,763	195,765	195,767	195,767	195,767	195,767	195,767	195,767	
	FW02	FWT to WSF 2	510,381	510,381	510,381	510,381	510,381	510,381	510,381	510,381	510,381	510,381	510,381	510,381	Flowmeter seized
	WSF202	WSF2 to RWP or Standpipe	134,738	134,738	134,738	134,738	134,742	134,742	134,742	134,742	134,742	134,742	134,742	134,742	
	WSF203	WSF2 to RWP or Standpipe	656,046	656,046	656,046	656,046	656,046	656,046	656,046	656,046	656,046	656,046	656,046	656,046	
	W02	WSF2 to Fire Water Tank	380,331	402,696	408,774	415,001	420,381	422,314	425,091	429,992	434,701	439,758	445,770	446,078	
	UG OF	Overflow from UG Header tanks to WSF1	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	1,139,832	Flowmeter seized
	FW01	Fire water return	417	417	417	417	427	427	427	427	427	427	427	427	
(M) - Miscellaneous flows	PARP Standpipe	PARP or WSF2 to Standpipe	106,212	106,212	106,212	106,212	106,245	106,245	106,245	106,245	106,245	106,245	106,245	106,245	
	WSF 2 - FT Area	WSF 2 to Wood & Cardboard burn-off area	0	0	0	0	0	0	0	0	0	0	0	0	Flowmeter required?
	ST01	WSF1/Bore 12 to Dust suppression	54,954	95,103	143,400	187,366	233,015	278,657	304,589	350,231	395,830	442,831	485,714	552,508	Recommissioned Aug 23
	WSF 1 Seepage 01	WSF 1 Seepage Recovery Pump to valve station	1,165,040	1,208,503	1,248,435	1,288,414	1,328,277	1,364,799	1,402,277	1,443,802	1,483,112	1,524,773	1,568,920	1,615,104	
	WSF 1 Seepage 02	WSF 1 Seepage to WSF1	279,180	308,825	330,550	352,425	374,630	390,199	405,883	438,173	472,479	505,720	539,020	578,864	
	SU01	Behind LV ws Seepage pump	45,623	50,937	52,154	53,900	54,206	54,303	54,434	58,325	59,901	61,794	68,493	71,069	Flowmeter replaced Aug 23
(D) - Discharge to Environment	WW01	Waste water to camp irrigation area	30,245	31,035	31,786	32,243	33,996	35,201	36,257	37,259	38,260	39,032	39,856	40,767	

Appendix D

Groundwater Level Data

Appendix D.1 Groundwater level monitoring data (Other Monitoring Bores)

PARPMB01	PARPMB01 mbrp	PARPMB01 mAHD	TSFMB01	TSFMB01	TSFMB mAHD	WSFMB01	WSFMB01 mbrp	WSFMB01 mAHD	WSFMB02	WSFMB02 nbrp	WSFMB02 mAHD
		314.80			**338.70**			**338.70**			**338.50**
10/11/2004	9.30	305.50	10/11/2004	1.10	337.60	10/11/2004	9.20	329.50	10/11/2004	9.20	329.30
19/12/2004	6.50	308.30	19/12/2004	1.90	336.80	19/12/2004	9.40	329.30	19/12/2004	10.10	328.40
13/01/2005	6.70	308.10	13/01/2005	1.20	337.50	13/01/2005	9.50	329.20	13/01/2005	10.50	328.00
18/02/2005	6.80	308.00	18/02/2005	2.60	336.10	18/02/2005	10.50	328.20	18/02/2005	11.00	327.50
12/03/2005	6.90	307.90	12/03/2005	3.30	335.40	12/03/2005	10.70	328.00	12/03/2005	11.40	327.10
16/04/2005	7.00	307.80	16/04/2005	2.60	336.10	16/04/2005	10.50	328.20	16/04/2005	11.00	327.50
13/05/2005	7.30	307.50	13/05/2005	2.70	336.00	13/05/2005	10.80	327.90	13/05/2005	11.20	327.30
21/06/2005	7.80	307.00	21/06/2005	2.30	336.40	21/06/2005	10.40	328.30	21/06/2005	10.90	327.60
16/07/2005	8.00	306.80	16/07/2005	2.80	335.90	16/07/2005	10.90	327.80	16/07/2005	11.30	327.20
20/08/2005	7.80	307.00	20/08/2005	2.00	336.70	20/08/2005	5.00	333.70	20/08/2005	10.80	327.70
19/09/2005	8.70	306.10	19/09/2005	2.30	336.40	19/09/2005	10.80	327.90	19/09/2005	11.30	327.20
22/10/2005	6.00	308.80	22/10/2005	2.90	335.80	22/10/2005	11.10	327.60	22/10/2005	11.70	326.80
30/11/2005	5.90	308.90	30/11/2005	2.20	336.50	30/11/2005	10.60	328.10	30/11/2005	11.05	327.45
22/12/2005	8.90	305.90	22/12/2005	1.50	337.20	22/12/2005	10.20	328.50	22/12/2005	10.70	327.80
12/01/2006	8.40	306.40	12/01/2006	1.90	336.80	12/01/2006	10.30	328.40	12/01/2006	11.00	327.50
20/02/2006	5.80	309.00	21/09/2007	1.29	337.41	20/02/2006	8.70	330.00	20/02/2006	9.40	329.10
7/03/2006	5.40	309.40	16/10/2007	1.69	337.01	7/03/2006	6.80	331.90	7/03/2006	9.20	329.30
5/04/2006	3.60	311.20	7/11/2007	1.76	336.94	5/04/2006	7.80	330.90	5/04/2006	8.60	329.90
17/05/2006	3.90	310.90	15/12/2007	1.68	337.02	17/05/2006	8.70	330.00	17/05/2006	9.60	328.90
7/06/2006	4.20	310.60	2/01/2008	2.08	336.62	7/06/2006	8.20	330.50	7/06/2006	8.70	329.80
21/07/2006	4.50	310.30	3/02/2008	1.77	336.93	21/07/2006	8.50	330.20	21/07/2006	9.00	329.50
12/08/2006	4.70	310.10	2/08/2008	0.91	337.79	12/08/2006	8.80	329.90	12/08/2006	9.10	329.40
15/09/2006	5.10	309.70	19/09/2008	1.81	336.89	15/09/2006	9.10	329.60	15/09/2006	9.40	329.10
12/10/2006	5.20	309.60	18/10/2008	1.77	336.93	12/10/2006	9.20	329.50	12/10/2006	9.50	329.00
20/11/2006	5.70	309.10	16/11/2008	1.74	336.96	20/11/2006	9.30	329.40	20/11/2006	9.60	328.90
14/12/2006	5.80	309.00	12/12/2008	1.31	337.39	14/12/2006	8.10	330.60	14/12/2006	9.00	329.50
20/01/2007	5.67	309.13	9/01/2009	1.14	337.56	20/01/2007	8.57	330.13	20/01/2007	8.99	329.51
16/02/2007	5.82	308.98	26/09/2009	9.59	329.11	16/02/2007	8.82	329.88	16/02/2007	9.37	329.13
30/03/2007	5.09	309.71	8/12/2009	1.24	337.46	30/03/2007	9.05	329.65	30/03/2007	9.44	329.06
30/04/2007	5.20	309.60	17/09/2012	0.97	337.73	30/04/2007	9.03	329.67	30/04/2007	9.34	329.16
27/05/2007	5.50	309.30	11/10/2012	2.06	336.64	27/05/2007	9.10	329.60	27/05/2007	9.43	329.07
30/06/2007	5.70	309.10	11/12/2012	4.44	334.26	30/06/2007	9.83	328.87	30/06/2007	9.86	328.64
21/07/2007	5.90	308.90	8/01/2013	1.95	336.75	21/07/2007	10.08	328.62	21/07/2007	10.08	328.42
30/08/2007	6.47	308.33	28/02/2013	1.67	337.03	30/08/2007	10.51	328.19	30/08/2007	11.05	327.45
21/09/2007	6.08	308.72	9/03/2013	0.44	338.26	21/09/2007	10.48	328.22	21/09/2007	10.92	327.58
16/10/2007	7.11	307.69	8/04/2013	1.08	337.62	16/10/2007	10.69	328.01	16/10/2007	11.21	327.29
7/11/2007	7.44	307.36	2/05/2013	1.05	337.65	7/11/2007	10.73	327.97	7/11/2007	11.19	327.31
15/12/2007	7.68	307.12	14/06/2013	1.52	337.18	15/12/2007	10.78	327.92	15/12/2007	11.19	327.31
2/01/2008	7.72	307.08	17/07/2013	2.47	336.23	2/01/2008	10.01	328.69	2/01/2008	11.39	327.11
3/02/2008	7.84	306.96	11/09/2013	3.46	335.24	3/02/2008	10.75	327.95	3/02/2008	11.14	327.36
3/03/2008	6.31	308.49	7/10/2013	3.95	334.75	3/03/2008	9.29	329.41	3/03/2008	9.87	328.63
9/04/2008	6.49	308.31	11/11/2013	4.01	334.69	9/04/2008	9.28	329.42	9/04/2008	9.86	328.64
10/05/2008	6.93	307.87	18/12/2013	3.97	334.73	10/05/2008	9.73	328.97	10/05/2008	10.28	328.22
4/06/2008	7.48	307.32	6/01/2014	4.02	334.68	4/06/2008	10.99	327.71	4/06/2008	10.45	328.05
14/07/2008	7.98	306.82	2/02/2014	3.09	335.61	14/07/2008	10.04	328.66	14/07/2008	10.55	327.95
2/08/2008	8.13	306.67	9/03/2014	0.67	338.03	2/08/2008	10.22	328.48	2/08/2008	10.63	327.87
19/09/2008	8.26	306.54	5/05/2014	1.13	337.57	19/09/2008	10.81	327.89	19/09/2008	11.25	327.25
18/10/2008	8.88	305.92	9/06/2014	3.03	335.67	18/10/2008	10.82	327.88	18/10/2008	11.19	327.31
16/11/2008	9.18	305.62	1/07/2014	3.75	334.95	16/11/2008	10.81	327.89	16/11/2008	11.23	327.27
12/12/2008	9.29	305.51	1/07/2014	3.75	334.95	12/12/2008	10.45	328.25	12/12/2008	10.76	327.74
9/01/2009	9.11	305.69	1/08/2014	4.44	334.26	9/01/2009	10.39	328.31	9/01/2009	10.71	327.79
7/02/2009	4.44	310.36	29/09/2014	4.08	334.62	7/02/2009	8.01	330.69	7/02/2009	8.60	329.90
7/03/2009	3.77	311.03	31/10/2014	4.64	334.06	7/03/2009	7.84	330.86	7/03/2009	8.39	330.11
2/04/2009	4.48	310.32	24/11/2014	6.00	332.70	2/04/2009	7.90	330.80	2/04/2009	8.41	330.09
3/05/2009	5.23	309.57	12/12/2014	6.16	332.54	3/05/2009	7.90	330.80	3/05/2009	8.42	330.08
1/06/2009	5.75	309.05	26/01/2015	3.78	334.92	1/06/2009	8.18	330.52	1/06/2009	8.61	329.89
1/07/2009	6.18	308.62	11/12/2012	3.81	334.89	1/07/2009	8.40	330.30	1/07/2009	8.98	329.52
1/07/2009	6.18	308.62	1/08/2014	3.81	334.89	1/07/2009	8.40	330.30	1/07/2009	8.98	329.52
26/08/2009	7.03	307.77	7/10/2013	3.95	334.75	26/08/2009	8.86	329.84	26/08/2009	9.49	329.01
26/09/2009	7.30	307.50	18/12/2013	3.97	334.73	26/09/2009	9.07	329.63	26/09/2009	9.59	328.91
19/10/2009	7.56	307.24	11/11/2013	4.01	334.69	19/10/2009	9.47	329.23	19/10/2009	9.90	328.60
9/11/2009	7.71	307.09	31/10/2014	4.01	334.69	9/11/2009	10.03	328.67	9/11/2009	10.38	328.12
8/12/2009	7.97	306.83	6/01/2014	4.02	334.68	8/12/2009	10.29	328.41	8/12/2009	10.11	328.39
17/01/2010	8.20	306.60	25/02/2015	4.05	334.65	17/01/2010	9.42	329.28	17/01/2010	9.95	328.55
9/02/2010	7.43	307.37	17/03/2015	4.52	334.18	9/02/2010	8.11	330.59	9/02/2010	8.69	329.81
7/03/2010	7.34	307.46	18/05/2015	5.08	333.62	7/03/2010	8.29	330.41	7/03/2010	8.76	329.74
3/04/2010	7.19	307.61	10/06/2015	5.15	333.55	3/04/2010	8.35	330.35	3/04/2010	8.81	329.69
1/05/2010	7.39	307.41	15/08/2015	5.19	333.51	1/05/2010	8.81	329.89	1/05/2010	8.13	330.37

Appendix D.1 Groundwater level monitoring data (Other Monitoring Bores)

PARPMB01	PARPMB01 mbrp	PARPMB01 mAHD	TSFMB01	TSFMB01	TSFMB mAHD	WSFMB01	WSFMB01 mbrp	WSFMB01 mAHD	WSFMB02	WSFMB02 nbrp	WSFMB02 mAHD
		314.80			**338.70**			**338.70**			**338.50**
3/06/2010	7.49	307.31	26/12/2015	5.22	333.48	3/06/2010	10.72	327.98	3/06/2010	9.43	329.07
1/07/2010	7.75	307.05	18/08/2015	5.27	333.43	1/07/2010	9.28	329.42	1/07/2010	9.71	328.79
1/07/2010	7.75	307.05	19/07/2015	5.34	333.36	1/07/2010	9.28	329.42	1/07/2010	9.71	328.79
21/08/2010	10.20	304.60	24/11/2014	5.37	333.33	21/08/2010	9.37	329.33	21/08/2010	9.72	328.78
20/09/2010	8.58	306.22	12/12/2014	5.53	333.17	20/09/2010	9.60	329.10	20/09/2010	9.94	328.56
16/10/2010	8.76	306.04	27/09/2015	5.77	332.93	16/10/2010	9.82	328.88	16/10/2010	10.09	328.41
13/11/2010	8.60	306.20	26/11/2015	5.87	332.83	13/11/2010	9.29	329.41	13/11/2010	9.63	328.87
11/12/2010	8.52	306.28	31/10/2015	5.90	332.80	11/12/2010	9.66	329.04	11/12/2010	10.64	327.86
27/04/2011	4.15	310.65	29/02/2016	4.41	334.29	13/01/2011	10.22	328.48	13/01/2011	10.54	327.96
20/05/2011	4.16	310.64	8/03/2016	4.06	334.64	8/02/2011	8.28	330.42	8/02/2011	8.82	329.68
18/07/2011	6.41	308.39	26/03/2016	4.11	334.59	10/03/2011	8.33	330.37	10/03/2011	7.88	330.62
1/08/2011	6.52	308.28	25/04/2016	4.83	333.87	27/04/2011	7.99	330.71	27/04/2011	7.37	331.13
14/08/2011	6.70	308.10	9/05/2016	4.83	333.87	20/05/2011	7.70	331.00	20/05/2011	7.49	331.01
17/09/2011	7.55	307.25	18/05/2016	4.39	334.31	6/06/2011	7.54	331.16	6/06/2011	8.02	330.48
14/10/2011	7.94	306.86	16/06/2016	4.13	334.57	18/07/2011	7.74	330.96	18/07/2011	8.28	330.22
8/11/2011	8.04	306.76	11/07/2016	3.98	334.72	1/08/2011	7.77	330.93	1/08/2011	8.37	330.13
2/12/2011	8.30	306.50	23/08/2016	3.54	335.16	15/08/2011	8.05	330.65	17/09/2011	9.07	329.43
2/01/2012	8.76	306.04	12/09/2016	3.46	335.24	17/09/2011	8.51	330.19	14/10/2011	9.56	328.94
31/01/2012	8.83	305.97	31/10/2016	4.59	334.11	14/10/2011	9.02	329.68	8/11/2011	9.68	328.82
3/03/2012	8.60	306.20	26/11/2016	4.82	333.88	8/11/2011	9.19	329.51	2/12/2011	9.62	328.88
4/04/2012	7.46	307.34	21/12/2016	2.96	335.74	2/12/2011	9.13	329.57	2/01/2012	10.14	328.36
26/05/2012	8.49	306.31	30/01/2017	1.65	337.05	2/01/2012	9.66	329.04	3/03/2012	9.19	329.31
29/06/2012	9.00	305.80	18/03/2018	0.75	337.95	1/02/2012	9.48	329.22	4/04/2012	8.89	329.61
25/07/2012	9.34	305.46	25/04/2018	0.54	338.16	3/03/2012	8.75	329.95	26/05/2012	9.02	329.48
23/08/2012	9.64	305.16	22/05/2018	0.67	338.03	4/04/2012	8.57	330.13	29/06/2012	9.10	329.40
17/09/2012	10.02	304.78	17/06/2018	0.27	338.43	26/05/2012	8.66	330.04	25/07/2012	9.22	329.28
11/10/2012	16.17	298.63	13/07/2018	1.44	337.26	29/06/2012	8.70	330.00	23/08/2012	9.85	328.65
11/12/2012	11.86	302.94	15/08/2018	1.47	337.23	25/07/2012	8.83	329.87	17/09/2012	10.42	328.08
8/01/2013	10.26	304.54	19/09/2018	1.27	337.43	23/08/2012	9.45	329.25	11/10/2012	10.87	327.63
28/02/2013	10.08	304.72	22/10/2018	1.20	337.50	17/09/2012	10.08	328.62	11/12/2012	12.76	325.74
9/03/2013	9.80	305.00	16/11/2018	1.79	336.91	11/10/2012	10.55	328.15	8/01/2013	11.48	327.02
8/04/2013	10.13	304.67	19/12/2018	2.20	336.50	11/12/2012	12.58	326.12	28/02/2013	11.22	327.28
2/05/2013	10.28	304.52	4/02/2019	1.39	337.31	8/01/2013	11.13	327.57	9/03/2013	10.41	328.09
14/06/2013	10.37	304.43	3/03/2019	1.61	337.09	28/02/2013	10.85	327.85	8/04/2013	10.18	328.32
17/07/2013	11.19	303.61	30/03/2019	2.02	336.68	9/03/2013	9.95	328.75	2/05/2013	10.45	328.05
24/08/2013	11.75	303.05	28/04/2019	2.87	335.83	8/04/2013	10.13	328.57	14/06/2013	11.48	327.02
11/09/2013	11.82	302.98	31/05/2019	3.56	335.14	2/05/2013	10.40	328.30	17/07/2013	12.50	326.00
7/10/2013	12.11	302.69	30/06/2019	4.05	334.65	14/06/2013	11.13	327.57	24/08/2013	12.61	325.89
11/11/2013	12.46	302.34	3/07/2019	4.05	334.65	17/07/2013	12.30	326.40	11/09/2013	12.70	325.80
18/12/2013	12.45	302.35	31/07/2019	3.94	334.76	24/08/2013	12.40	326.30	7/10/2013	12.80	325.70
6/01/2014	12.66	302.14	29/08/2019	3.97	334.73	11/09/2013	12.56	326.14	11/11/2013	12.91	325.59
2/02/2014	11.71	303.09	25/09/2019	4.26	334.44	7/10/2013	12.62	326.08	18/12/2013	12.84	325.66
9/03/2014	8.13	306.67	22/10/2019	3.82	334.88	11/11/2013	12.73	325.97	6/01/2014	12.81	325.69
24/04/2014	8.78	306.02	27/12/2019	3.98	334.72	18/12/2013	12.86	325.84	2/02/2014	12.14	326.36
5/05/2014	3.87	310.93	25/01/2020	3.46	335.24	6/01/2014	12.67	326.03	9/03/2014	10.32	328.18
9/06/2014	9.43	305.37	29/02/2020	1.62	337.08	2/02/2014	12.00	326.70	24/04/2014	10.34	328.16
1/07/2014	9.74	305.06	30/03/2020	2.11	336.59	9/03/2014	9.92	328.78	5/05/2014	10.74	327.76
1/07/2014	9.74	305.06	30/04/2020	2.21	336.49	24/04/2014	10.74	327.96	9/06/2014	11.63	326.87
1/08/2014	10.13	304.67	26/05/2020	1.69	337.01	5/05/2014	10.35	328.35	1/07/2014	12.15	326.35
29/09/2014	10.77	304.03	25/08/2020	2.57	336.13	9/06/2014	11.34	327.36	1/07/2014	12.15	326.35
31/10/2014	11.18	303.62	23/09/2020	2.93	335.77	1/07/2014	11.91	326.79	1/08/2014	12.58	325.92
24/11/2014	11.43	303.37	24/09/2020	2.93	335.77	1/07/2014	11.91	326.79	29/09/2014	12.41	326.09
12/12/2014	11.80	303.00	20/10/2020	3.18	335.52	1/08/2014	12.40	326.30	31/10/2014	12.78	325.72
26/01/2015	10.46	304.34	26/11/2020	3.61	335.09	29/09/2014	12.22	326.48	24/11/2014	13.30	325.20
25/02/2015	9.99	304.81	12/01/2021	3.00	335.70	31/10/2014	12.65	326.05	12/12/2014	13.39	325.11
17/03/2015	9.94	304.86	27/02/2021	0.07	338.63	24/11/2014	13.31	325.39	26/01/2015	11.86	326.64
4/04/2015	10.15	304.65	31/03/2021	Inundated		12/12/2014	13.40	325.30	25/02/2015	13.36	325.14
18/05/2015	10.78	304.02	20/08/2021	1.03	337.67	26/01/2015	11.62	327.08	17/03/2015	12.56	325.94
10/06/2015	11.06	303.74	25/08/2021	1.13	337.57	25/02/2015	13.28	325.42	4/04/2015	12.06	326.44
19/07/2015	11.59	303.21	20/09/2021	1.92	336.78	17/03/2015	12.58	326.12	18/05/2015	13.07	325.43
15/08/2015	11.83	302.97	20/10/2021	2.50	336.20	4/04/2015	11.95	326.75	10/06/2015	13.23	325.27
19/08/2015	11.84	302.96	17/11/2021	2.49	336.21	18/05/2015	13.11	325.59	19/07/2015	13.34	325.16
27/09/2015	12.22	302.58	10/12/2021	2.46	336.24	10/06/2015	13.24	325.46	15/08/2015	13.26	325.24
31/10/2015	12.49	302.31	17/01/2022	3.31	335.39	19/07/2015	13.37	325.33	19/08/2015	13.34	325.16
26/11/2015	12.67	302.13	4/02/2022	-0.63	339.33	15/08/2015	13.28	325.42	27/09/2015	13.74	324.76
26/12/2015	12.87	301.93	7/04/2022	0.43	338.27	19/08/2015	13.35	325.35	31/10/2015	13.88	324.62
31/01/2016	12.66	302.14	3/05/2022	1.58	337.12	27/09/2015	13.78	324.92	26/11/2015	13.86	324.64
27/02/2016	12.40	302.40	1/06/2022	2.85	335.85	31/10/2015	13.92	324.78	26/12/2015	13.52	324.98

Appendix D.1 Groundwater level monitoring data (Other Monitoring Bores)

PARPMB01	PARPMB01 mbrp	PARPMB01 mAHD	TSFMB01	TSFMB01	TSFMB mAHD	WSFMB01	WSFMB01 mbrp	WSFMB01 mAHD	WSFMB02	WSFMB02 nbrp	WSFMB02 mAHD
		314.80			**338.70**			**338.70**			**338.50**
8/03/2016	12.61	302.19	27/06/2022	2.82	335.88	29/11/2015	13.92	324.78	31/01/2016	11.95	326.55
26/03/2016	12.29	302.51	28/07/2022	3.44	335.26	26/12/2015	13.52	325.18	28/02/2016	12.53	325.97
25/04/2016	12.32	302.48	20/08/2022	3.57	335.13	31/01/2016	11.79	326.91	8/03/2016	12.19	326.31
10/05/2016	12.59	302.21	29/08/2022	3.57	335.13	28/02/2016	12.39	326.31	26/03/2016	12.21	326.29
18/05/2016	12.45	302.35	28/09/2022	3.61	335.09	28/02/2016	12.39	326.31	25/04/2016	12.57	325.93
16/06/2016	12.58	302.22	21/10/2022	3.62	335.08	8/03/2016	12.00	326.70	9/05/2016	12.71	325.79
11/07/2016	12.81	301.99	18/11/2022	3.67	335.03	26/03/2016	12.00	326.70	17/05/2016	12.56	325.94
23/08/2016	13.19	301.61	11/12/2022	3.21	335.49	25/04/2016	12.45	326.25	16/06/2016	12.47	326.03
12/09/2016	13.10	301.70	15/12/2022	3.21	335.49	9/05/2016	12.56	326.14	11/07/2016	12.33	326.17
31/10/2016	13.26	301.54	11/01/2023	1.54	337.16	17/05/2016	12.40	326.30	23/08/2016	11.97	326.53
21/12/2016	12.06	302.74	4/02/2023	1.73	336.97	16/06/2016	12.30	326.40	12/09/2016	11.87	326.63
30/01/2017	7.30	307.50	10/02/2023	1.73	336.97	11/07/2016	12.16	326.54	31/10/2016	12.72	325.78
24/02/2017	3.39	311.41	15/12/2023	0.59	338.11	23/08/2016	11.75	326.95	27/11/2016	12.89	325.61
27/03/2017	3.24	311.56	8/01/2024	1.43	337.27	12/09/2016	11.69	327.01	21/12/2016	11.41	327.09
21/04/2017	4.25	310.55				31/10/2016	12.60	326.10	30/01/2017	10.35	328.15
19/05/2017	5.21	309.59				27/11/2016	12.81	325.89	26/02/2017	8.15	330.35
17/06/2017	5.89	308.91				21/12/2016	11.14	327.56	27/03/2017	7.23	331.27
15/07/2017	6.14	308.66				30/01/2017	9.91	328.79	21/04/2017	7.31	331.19
13/08/2017	6.57	308.23				25/02/2017	7.42	331.28	20/05/2017	7.43	331.07
30/09/2017	7.37	307.43				27/03/2017	6.36	332.34	17/06/2017	7.83	330.67
30/10/2017	7.48	307.32				21/04/2017	6.47	332.23	15/07/2017	8.06	330.44
29/11/2017	7.72	307.08				20/05/2017	6.64	332.06	13/08/2017	8.30	330.20
30/11/2017	7.79	307.01				17/06/2017	7.05	331.65	30/09/2017	8.93	329.57
31/12/2017	8.10	306.70				15/07/2017	7.32	331.38	30/10/2017	8.61	329.89
27/01/2018	8.21	306.59				13/08/2017	7.59	331.11	30/11/2017	9.53	328.97
22/02/2018	8.49	306.31				30/09/2017	8.30	330.40	30/12/2017	9.94	328.56
17/03/2018	8.73	306.07				30/10/2017	9.03	329.67	31/12/2017	9.93	328.57
25/04/2018	9.36	305.44				30/11/2017	8.70	330.00	27/01/2018	10.06	328.44
19/05/2018	9.69	305.11				30/12/2017	9.20	329.50	22/02/2018	10.09	328.41
16/06/2018	10.13	304.67				31/12/2017	9.16	329.54	19/03/2018	10.71	327.79
13/07/2018	10.31	304.49				27/01/2018	9.35	329.35	25/04/2018	10.64	327.86
13/07/2018	10.31	304.49				22/02/2018	9.38	329.32	22/05/2018	10.74	327.76
15/08/2018	10.64	304.16				19/03/2018	10.16	328.54	17/06/2018	10.48	328.02
15/08/2018	10.64	304.16				25/04/2018	10.04	328.66	13/07/2018	11.16	327.34
16/09/2018	10.98	303.82				22/05/2018	10.14	328.56	15/08/2018	11.04	327.46
16/09/2018	10.98	303.82				17/06/2018	9.90	328.80	18/09/2018	11.01	327.49
22/10/2018	11.34	303.46				13/07/2018	10.67	328.03	22/10/2018	11.09	327.41
22/10/2018	11.34	303.46				15/08/2018	10.53	328.17	16/11/2018	11.38	327.12
16/11/2018	11.45	303.35				18/09/2018	10.50	328.20	19/12/2018	11.47	327.03
16/11/2018	11.45	303.35				22/10/2018	10.55	328.15	4/02/2019	11.02	327.48
19/12/2018	11.31	303.49				16/11/2018	10.91	327.79	3/03/2019	11.09	327.41
19/12/2018	11.31	303.49				19/12/2018	10.97	327.73	30/03/2019	11.34	327.16
4/02/2019	10.29	304.51				4/02/2019	10.51	328.19	28/04/2019	11.83	326.67
4/02/2019	10.29	304.51				3/03/2019	10.63	328.07	31/05/2019	12.21	326.29
3/03/2019	16.23	298.57				30/03/2019	10.90	327.80	30/06/2019	12.72	325.78
3/03/2019	16.23	298.57				28/04/2019	11.44	327.26	3/07/2019	12.72	325.78
30/03/2019	10.74	304.06				31/05/2019	12.17	326.53	31/07/2019	12.94	325.56
30/03/2019	10.74	304.06				30/06/2019	12.34	326.36	29/08/2019	12.96	325.54
28/04/2019	11.31	303.49				3/07/2019	12.34	326.36	25/09/2019	12.84	325.66
28/04/2019	11.31	303.49				31/07/2019	12.59	326.11	22/10/2019	12.52	325.98
31/05/2019	11.56	303.24				29/08/2019	12.63	326.07	27/12/2019	12.69	325.81
31/05/2019	11.56	303.24				25/09/2019	12.50	326.20	25/01/2020	12.29	326.21
30/06/2019	11.61	303.19				22/10/2019	12.15	326.55	29/02/2020	10.99	327.51
30/06/2019	11.61	303.19				27/12/2019	12.35	326.35	30/03/2020	11.25	327.25
4/07/2019	11.61	303.19				25/01/2020	11.91	326.79	30/04/2020	11.44	327.06
31/07/2019	11.72	303.08				29/02/2020	10.43	328.27	26/05/2020	11.14	327.36
29/08/2019	12.63	302.17				30/03/2020	10.71	327.99	25/08/2020	11.47	327.03
25/09/2019	14.52	300.28				30/04/2020	10.93	327.77	23/09/2020	12.02	326.48
22/10/2019	12.29	302.51				26/05/2020	10.57	328.13	24/09/2020	12.02	326.48
27/12/2019	12.84	301.96				25/08/2020	11.53	327.17	20/10/2020	12.17	326.33
25/01/2020	12.92	301.88				23/09/2020	11.59	327.11	25/11/2020	12.41	326.09
29/02/2020	11.31	303.49				24/09/2020	11.59	327.11	12/01/2021	12.01	326.49
30/03/2020	11.46	303.34				20/10/2020	11.77	326.93	27/02/2021	10.00	328.50
30/04/2020	11.51	303.29				25/11/2020	12.00	326.70	31/03/2021	9.71	328.79
26/05/2020	11.55	303.25				12/01/2021	11.57	327.13	25/04/2021	9.38	329.12
22/06/2020	12.12	302.68				27/02/2021	9.56	329.14	24/05/2021	9.03	329.47
25/08/2020	12.41	302.39				31/03/2021	8.57	330.13	23/06/2021	9.88	328.62
21/09/2020	12.77	302.03				25/04/2021	8.49	330.21	27/06/2021	9.88	328.62

Appendix D.1 Groundwater level monitoring data (Other Monitoring Bores)

PARPMB01	PARPMB01 mbrp	PARPMB01 mAHD	TSFMB01	TSFMB01	TSFMB mAHD	WSFMB01	WSFMB01 mbrp	WSFMB01 mAHD	WSFMB02	WSFMB02 nbrp	WSFMB02 mAHD
		314.80			**338.70**			**338.70**			**338.50**
24/09/2020	12.77	302.03				24/05/2021	9.45	329.25	24/07/2021	10.33	328.17
20/10/2020	13.15	301.65				23/06/2021	9.17	329.53	20/08/2021	10.70	327.80
24/11/2020	13.11	301.69				27/06/2021	9.17	329.53	25/08/2021	10.76	327.74
12/01/2021	12.95	301.85				24/07/2021	9.78	328.92	20/09/2021	11.17	327.33
27/02/2021	9.70	305.10				20/08/2021	8.57	330.13	17/11/2021	11.56	326.94
28/03/2021	8.96	305.84				25/08/2021	9.83	328.87	10/12/2021	11.53	326.97
25/04/2021	9.18	305.62				20/09/2021	10.80	327.90	17/01/2022	12.24	326.26
24/05/2021	9.54	305.26				17/11/2021	11.21	327.49	9/02/2022	9.92	328.58
25/06/2021	10.03	304.77				10/12/2021	11.04	327.66	13/03/2022	10.03	328.47
27/06/2021	10.03	304.77				17/01/2022	11.87	326.83	7/04/2022	10.24	328.26
24/07/2021	10.37	304.43				9/02/2022	9.20	329.50	6/05/2022	10.89	327.61
20/08/2021	10.70	304.10				13/03/2022	9.31	329.39	31/05/2022	11.71	326.79
24/08/2021	10.76	304.04				7/04/2022	9.54	329.16	26/06/2022	11.91	326.59
20/09/2021	11.05	303.75				6/05/2022	10.34	328.36	28/07/2022	12.32	326.18
20/10/2021	10.88	303.92				31/05/2022	11.43	327.27	20/08/2022	12.31	326.19
17/11/2021	11.34	303.46				26/06/2022	11.51	327.19	27/08/2022	12.31	326.19
11/12/2021	11.68	303.12				28/07/2022	11.93	326.77	28/09/2022	12.42	326.08
17/01/2022	11.81	302.99				20/08/2022	12.03	326.67	20/10/2022	12.44	326.06
6/02/2022	7.87	306.93				27/08/2022	12.03	326.67	18/11/2022	12.56	325.94
14/03/2022	7.72	307.08				28/09/2022	12.14	326.56	11/12/2022	12.47	326.03
8/04/2022	8.26	306.54				20/10/2022	12.15	326.55	15/12/2022	12.47	326.03
3/05/2022	8.72	306.08				18/11/2022	12.15	326.55	11/01/2023	10.99	327.51
2/06/2022	9.04	305.76				11/12/2022	11.67	327.03	4/02/2023	11.01	327.49
29/06/2022	9.34	305.46				15/12/2022	11.67	327.03	11/02/2023	11.01	327.49
29/07/2022	9.91	304.89				11/01/2023	10.37	328.33	7/03/2023	9.46	329.04
21/08/2022	10.35	304.45				4/02/2023	10.36	328.34	4/04/2023	8.46	330.04
26/08/2022	10.35	304.45				11/02/2023	10.36	328.34	3/05/2023	7.88	330.62
28/09/2022	10.67	304.13				7/03/2023	8.57	330.13	7/05/2023	7.88	330.62
24/10/2022	10.95	303.85				4/04/2023	7.37	331.33	5/06/2023	7.84	330.66
19/11/2022	11.39	303.41				3/05/2023	6.80	331.90	25/06/2023	7.91	330.59
12/12/2022	10.52	304.28				7/05/2023	6.80	331.90	22/07/2023	7.67	330.83
10/01/2023	8.53	306.27				5/06/2023	6.93	331.77	25/07/2023	7.67	330.83
5/02/2023	7.23	307.57				25/06/2023	7.02	331.68	20/08/2023	7.87	330.63
7/02/2023	7.23	307.57				22/07/2023	6.70	332.00	26/09/2023	8.46	330.04
8/03/2023	4.58	310.22				25/07/2023	6.70	332.00	23/10/2023	8.73	329.77
5/04/2023	5.39	309.41				20/08/2023	7.43	331.27	20/11/2023	9.63	328.87
2/05/2023	5.55	309.25				26/09/2023	7.96	330.74	23/11/2023	9.63	328.87
4/05/2023	5.55	309.25				23/10/2023	8.25	330.45	15/12/2023	10.00	328.50
6/06/2023	6.20	308.60				20/11/2023	9.28	329.42	8/01/2024	10.48	328.02
23/07/2023	6.34	308.46				23/11/2023	9.28	329.42	22/03/2024	7.24	331.26
24/07/2023	6.34	308.46				15/12/2023	9.81	328.89	16/04/2024	7.13	331.37
22/08/2023	6.66	308.14				8/01/2024	10.36	328.34	15/05/2024	7.18	331.32
27/09/2023	6.87	307.93				22/03/2024	6.31	332.39	16/06/2024	7.28	331.22
24/10/2023	7.53	307.27				16/04/2024	6.52	332.18	29/06/2024	7.40	331.10
18/11/2023	8.05	306.75				15/05/2024	6.59	332.11	12/07/2024	7.32	331.18
24/11/2023	8.05	306.75				16/06/2024	6.76	331.94	30/08/2024	7.92	330.58
16/12/2023	8.50	306.30				12/07/2024	6.87	331.83	27/09/2024	7.73	330.77
9/01/2024	8.56	306.24				30/08/2024	6.33	332.37	5/10/2024	8.05	330.45
22/03/2024	4.16	310.64				27/09/2024	6.75	331.95	30/11/2024	8.16	330.34
16/04/2024	4.20	310.60				5/10/2024	8.14	330.56	29/12/2024	8.68	329.82
15/05/2024	4.38	310.42				30/11/2024	7.85	330.85	28/01/2025	8.27	330.23
16/06/2024	5.27	309.53				28/12/2024	8.19	330.51	28/02/2025	8.52	329.98
23/06/2024	5.36	309.44				28/01/2025	7.73	330.97	27/03/2025	8.09	330.41
12/07/2024	5.99	312.37				28/02/2025	7.98	330.72	24/04/2025	7.78	330.72
30/08/2024	6.83	311.53				27/03/2025	7.39	331.31	21/05/2025	7.89	330.61
27/09/2024	7.14	311.22				24/04/2025	7.42	331.28	19/06/2025	8.36	330.14
5/10/2024	7.33	311.03				21/05/2025	7.45	331.25			
30/11/2024	7.41	310.95				19/06/2025	7.98	330.72			
26/12/2024	8.08	310.28									
28/01/2025	7.60	310.76									
28/02/2025	6.16	312.20									
26/03/2025	6.77	311.59									
24/04/2025	7.20	311.16									
21/05/2025	7.56	310.80									
12/06/2025	7.30	311.06									

Appendix D.1 Groundwater level monitoring data (Other Monitoring Bores)

SMML Camp Bore	SMML Camp Bore mbrp	SMML Camp Bore mAHD	Anglo Camp Bore	Anglo Camp Bore mbrp	Anglo Camp Bore mAHD
		326.01			**330.09**
6/06/2002	8.40	317.61	6/06/2002	6.60	323.49
5/05/2003	5.94	320.07	26/01/2015	5.26	324.83
11/05/2003	6.01	320.00	8/03/2016	6.62	323.47
18/05/2003	6.11	319.90	26/03/2016	5.75	324.34
25/05/2003	6.21	319.80	21/04/2016	6.32	323.77
1/06/2003	6.28	319.73	17/05/2016	6.34	323.75
15/06/2003	6.43	319.58	16/06/2016	7.08	323.01
22/06/2003	6.50	319.51	11/07/2016	7.65	322.44
14/07/2003	6.68	319.33	12/09/2016	8.64	321.45
20/07/2003	6.74	319.27	30/11/2016	9.46	320.63
30/07/2003	6.84	319.17	17/06/2017	5.37	324.72
17/08/2003	6.98	319.03	10/08/2017	5.57	324.52
9/09/2003	7.18	318.83	30/09/2017	5.70	324.39
15/09/2003	7.30	318.71	13/07/2018	11.67	318.42
21/09/2003	7.30	318.71	15/08/2018	11.80	318.29
9/11/2003	7.68	318.33	19/09/2018	12.13	317.96
3/12/2003	7.58	318.43	22/10/2018	12.62	317.47
24/01/2004	5.30	320.71	16/11/2018	12.79	317.30
12/03/2004	4.74	321.27	14/12/2018	12.78	317.31
16/05/2004	5.39	320.62	22/10/2019	15.11	314.98
24/06/2004	4.86	321.15	20/10/2020	14.67	315.42
31/08/2004	9.00	317.01	19/10/2022	13.70	316.39
4/10/2004	9.50	316.51	25/10/2023	9.53	320.56
10/11/2004	10.00	316.01			
19/12/2004	10.90	315.11			
13/01/2005	11.00	315.01			
18/02/2005	11.20	314.81			
12/03/2005	11.70	314.31			
16/04/2005	12.05	313.96			
13/05/2005	12.70	313.31			
21/06/2005	12.60	313.41			
16/07/2005	12.60	313.41			
20/08/2005	13.00	313.01			
19/09/2005	13.40	312.61			
22/10/2005	13.90	312.11			
30/11/2005	13.60	312.41			
22/12/2005	13.60	312.41			
12/01/2006	12.60	313.41			
20/02/2006	8.60	317.41			
7/03/2006	6.40	319.61			
5/04/2006	6.50	319.51			
17/05/2006	6.90	319.11			
7/06/2006	8.40	317.61			
21/07/2006	9.00	317.01			
12/08/2006	8.60	317.41			
15/09/2006	9.20	316.81			
12/10/2006	9.80	316.21			
20/11/2006	10.40	315.61			
14/12/2006	10.90	315.11			
20/01/2007	10.50	315.51			
16/02/2007	10.53	315.48			
30/03/2007	9.41	316.60			
30/04/2007	9.75	316.26			
27/05/2007	9.80	316.21			
30/06/2007	9.98	316.03			
21/07/2007	10.20	315.81			
30/08/2007	10.58	315.43			
21/09/2007	10.85	315.16			
16/10/2007	11.15	314.86			
7/11/2007	11.26	314.75			
15/12/2007	11.00	315.01			
2/01/2008	10.82	315.19			
3/02/2008	10.67	315.34			
3/03/2008	9.42	316.59			
9/04/2008	9.85	316.16			
10/05/2008	10.45	315.56			
4/06/2008	10.81	315.20			
14/07/2008	11.44	314.57			

Appendix D.1 Groundwater level monitoring data (Other Monitoring Bores)

SMML Camp Bore	SMML Camp Bore mbrp	SMML Camp Bore mAHD	Anglo Camp Bore	Anglo Camp Bore mbrp	Anglo Camp Bore mAHD
		326.01			**330.09**
2/08/2008	11.62	314.39			
19/09/2008	12.41	313.60			
18/10/2008	12.84	313.17			
16/11/2008	13.24	312.77			
12/12/2008	13.25	312.76			
9/01/2009	13.33	312.68			
7/02/2009	6.04	319.97			
7/03/2009	7.22	318.79			
2/04/2009	8.33	317.68			
3/05/2009	8.90	317.11			
1/06/2009	9.16	316.85			
1/07/2009	9.51	316.50			
1/07/2009	9.51	316.50			
26/08/2009	10.07	315.94			
26/09/2009	10.45	315.56			
19/10/2009	10.89	315.12			
9/11/2009	11.05	314.96			
8/12/2009	11.28	314.73			
17/01/2010	11.20	314.81			
9/02/2010	10.10	315.91			
7/03/2010	10.18	315.83			
3/04/2010	10.06	315.95			
1/05/2010	10.61	315.40			
3/06/2010	11.81	314.20			
1/07/2010	10.96	315.05			
1/07/2010	10.96	315.05			
21/08/2010	12.02	313.99			
20/09/2010	12.43	313.58			
16/10/2010	12.57	313.44			
13/11/2010	12.09	313.92			
11/12/2010	12.44	313.57			
13/01/2011	12.51	313.50			
4/02/2011	11.57	314.44			
10/03/2011	5.86	320.15			
8/04/2013	9.80	316.21			
2/05/2013	10.11	315.90			
17/07/2013	11.18	314.83			
24/08/2013	11.63	314.38			
11/11/2013	12.83	313.18			
18/12/2013	12.94	313.07			
6/01/2014	12.53	313.48			
2/02/2014	11.20	314.81			
9/03/2014	7.33	318.68			
24/04/2014	8.42	317.59			
5/05/2014	8.56	317.45			
9/06/2014	8.91	317.10			
1/07/2014	9.12	316.89			
1/07/2014	9.12	316.89			
1/08/2014	9.48	316.53			
29/09/2014	10.50	315.51			
31/10/2014	11.25	314.76			
24/11/2014	11.57	314.44			
12/12/2014	11.87	314.14			
26/01/2015	9.90	316.11			
8/03/2016	11.65	314.36			
26/03/2016	11.10	314.91			
21/04/2016	11.42	314.59			
17/05/2016	12.13	313.88			
16/06/2016	12.55	313.46			
11/07/2016	12.74	313.27			
12/09/2016	13.26	312.75			
30/11/2016	13.95	312.06			
17/06/2017	8.47	317.54			
10/08/2017	8.69	317.32			
30/09/2017	9.00	317.01			
13/07/2018	7.39	318.62			
15/08/2018	7.49	318.52			
19/09/2018	7.74	318.27			

Appendix D.1 Groundwater level monitoring data (Other Monitoring Bores)

SMML Camp Bore	SMML Camp Bore mbrp	SMML Camp Bore mAHD	Anglo Camp Bore	Anglo Camp Bore mbrp	Anglo Camp Bore mAHD
		326.01			**330.09**
22/10/2018	8.08	317.93			
16/11/2018	7.96	318.05			
14/12/2018	7.56	318.45			
22/10/2019	9.98	316.03			
20/10/2020	10.45	315.56			
19/10/2022	9.09	316.92			
25/10/2023	5.91	320.10			

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB01	SMMB01 mbrp	SMMB01 mAHD	SMMB02	SMMB02 mbrp	SMMB02 mAHD	SMMB03	SMMB03 mbrp	SMMB03 mAHD	SMMB05	SMMB05 mbrp	SMMB05 mAHD	SMMB06	SMMB06 mbrp	SMMB06 mAHD
Datum Elev		**316.21**			**317.85**			**324.28**			**323.13**			**395.55**
23/08/2002	3.04	313.17	23/08/2002	2.18	315.67	23/08/2002	6.45	317.83	12/10/2006	2.50	320.63	25/04/2008	41.86	353.69
30/09/2002	3.44	312.77	30/09/2002	2.25	315.60	30/09/2002	6.68	317.60	20/11/2006	2.70	320.43	10/05/2008	41.70	353.85
8/10/2002	3.53	312.68	8/10/2002	2.33	315.52	8/10/2002	6.75	317.53	14/12/2006	2.80	320.33	4/06/2008	41.54	354.01
14/10/2002	3.63	312.58	14/10/2002	2.41	315.44	14/10/2002	6.81	317.47	20/01/2007	2.51	320.62	14/07/2008	41.29	354.26
21/10/2002	3.71	312.50	21/10/2002	2.49	315.36	21/10/2002	6.89	317.39	16/02/2007	2.62	320.51	2/08/2008	41.20	354.35
29/10/2002	3.86	312.35	29/10/2002	2.58	315.27	29/10/2002	6.99	317.29	30/03/2007	2.54	320.59	19/09/2008	40.92	354.63
7/11/2002	3.94	312.27	7/11/2002	2.61	315.24	7/11/2002	7.07	317.21	30/04/2007	2.69	320.44	18/10/2008	40.78	354.77
5/05/2003	5.28	310.93	5/05/2003	3.89	313.96	5/05/2003	8.54	315.74	27/05/2007	2.90	320.23	24/02/2009	40.08	355.47
11/05/2003	5.38	310.83	11/05/2003	3.99	313.86	11/05/2003	8.64	315.64	30/06/2007	3.17	319.96	7/03/2009	40.01	355.54
18/05/2003	5.50	310.71	18/05/2003	4.12	313.73	18/05/2003	8.78	315.50	21/07/2007	3.32	319.81	2/04/2009	33.46	362.09
25/05/2003	5.62	310.59	25/05/2003	4.25	313.60	25/05/2003	8.91	315.37	30/08/2007	3.78	319.35	3/05/2009	39.56	355.99
1/06/2003	5.71	310.50	1/06/2003	4.35	313.50	1/06/2003	9.03	315.25	21/09/2007	3.97	319.16	1/06/2009	39.39	356.16
15/06/2003	5.91	310.30	15/06/2003	4.56	313.29	15/06/2003	9.29	314.99	16/10/2007	3.48	319.65	1/07/2009	39.27	356.28
22/06/2003	6.00	310.21	22/06/2003	4.67	313.18	22/06/2003	9.42	314.86	7/11/2007	4.41	318.72	26/08/2009	39.40	356.15
14/07/2003	6.28	309.93	14/07/2003	4.98	312.87	14/07/2003	9.77	314.51	15/12/2007	4.11	319.02	26/09/2009	38.41	357.14
20/07/2003	6.34	309.87	20/07/2003	5.05	312.80	20/07/2003	9.86	314.42	2/01/2008	4.31	318.82	19/10/2009	38.70	356.85
30/07/2003	6.48	309.73	30/07/2003	5.21	312.64	30/07/2003	10.04	314.24	3/02/2008	2.81	320.32	9/11/2009	38.64	356.91
17/08/2003	6.70	309.51	17/08/2003	5.46	312.39	17/08/2003	10.33	313.95	3/03/2008	3.17	319.96	8/12/2009	38.45	357.10
9/09/2003	7.40	308.81	9/09/2003	5.98	311.87	9/09/2003	10.73	313.55	9/04/2008	3.61	319.52	17/01/2010	38.30	357.25
15/09/2003	7.36	308.85	15/09/2003	5.96	311.89	15/09/2003	10.85	313.43	10/05/2008	3.89	319.24	9/02/2010	38.19	357.36
21/09/2003	8.65	307.56	21/09/2003	8.29	309.56	21/09/2003	10.97	313.31	4/06/2008	4.29	318.84	7/03/2010	38.01	357.54
9/11/2003	7.82	308.39	9/11/2003	6.96	310.89	9/11/2003	11.80	312.48	14/07/2008	4.51	318.62	3/04/2010	37.42	358.13
3/12/2003	8.27	307.94	3/12/2003	7.23	310.62	3/12/2003	12.19	312.09	2/08/2008	4.32	318.81	1/05/2010	37.45	358.10
24/01/2004	5.15	311.06	24/01/2004	4.62	313.23	24/01/2004	10.28	314.00	19/09/2008	5.09	318.04	3/06/2010	37.72	357.83
12/03/2004	2.39	313.82	12/03/2004	1.59	316.26	12/03/2004	5.46	318.82	18/10/2008	5.22	317.91	1/07/2010	36.69	358.86
16/05/2004	2.77	313.44	16/05/2004	1.92	315.93	16/05/2004	5.57	318.71	16/11/2008	5.53	317.60	21/08/2010	36.04	359.51
24/06/2004	2.81	313.40	24/06/2004	2.06	315.79	24/06/2004	5.87	318.41	12/12/2008	4.72	318.41	20/09/2010	36.36	359.19
31/08/2004	3.45	312.76	31/08/2004	2.35	315.50	4/10/2004	6.30	317.98	9/01/2009	4.67	318.46	16/10/2010	36.98	358.57
4/10/2004	3.30	312.91	4/10/2004	2.20	315.65	10/11/2004	6.30	317.98	7/02/2009	1.89	321.24	13/11/2010	36.63	358.92
10/11/2004	3.20	313.01	10/11/2004	2.00	315.85	19/12/2004	6.20	318.08	7/03/2009	1.88	321.25	11/12/2010	36.45	359.10
19/12/2004	3.20	313.01	19/12/2004	2.10	315.75	13/01/2005	5.00	319.28	2/04/2009	2.31	320.82	13/01/2011	36.32	359.23
13/01/2005	3.00	313.21	13/01/2005	2.00	315.85	18/02/2005	6.30	317.98	3/05/2009	2.50	320.63	4/02/2011	36.14	359.41
18/02/2005	3.50	312.71	18/02/2005	2.30	315.55	16/04/2005	6.70	317.58	1/06/2009	2.84	320.29	10/03/2011	35.81	359.74
16/04/2005	3.30	312.91	16/04/2005	2.20	315.65	13/05/2005	6.80	317.48	1/07/2009	3.26	319.87	4/02/2012	32.71	362.84
13/05/2005	4.20	312.01	13/05/2005	2.60	315.25	21/06/2005	6.80	317.48	26/08/2009	3.63	319.50	8/04/2013	30.23	365.32
21/06/2005	4.20	312.01	21/06/2005	2.80	315.05	16/07/2005	6.90	317.38	26/09/2009	3.74	319.39	2/05/2013	29.98	365.57
16/07/2005	4.90	311.31	16/07/2005	3.10	314.75	20/08/2005	7.00	317.28	19/10/2009	4.91	318.22	14/06/2013	29.97	365.58
20/08/2005	4.80	311.41	20/08/2005	3.60	314.25	19/09/2005	7.50	316.78	9/11/2009	4.43	318.70	17/07/2013	29.82	365.73
19/09/2005	6.10	310.11	19/09/2005	3.90	313.95	22/10/2005	7.80	316.48	8/12/2009	4.31	318.82	24/08/2013	29.74	365.81
22/10/2005	6.40	309.81	22/10/2005	3.40	314.45	30/11/2005	7.70	316.58	17/01/2010	4.23	318.90	11/09/2013	20.61	374.94
30/11/2005	6.00	310.21	30/11/2005	3.90	313.95	22/12/2005	7.10	317.18	9/02/2010	3.31	319.82	7/10/2013	29.57	365.98
22/12/2005	5.70	310.51	22/12/2005	3.20	314.65	12/01/2006	4.90	319.38	7/03/2010	3.27	319.86	11/11/2013	29.47	366.08
12/01/2006	3.90	312.31	12/01/2006	2.10	315.75	20/02/2006	4.50	319.78	3/04/2010	3.32	319.81	18/12/2013	29.19	366.36
20/02/2006	1.00	315.21	20/02/2006	1.10	316.75	7/03/2006	4.30	319.98	1/05/2010	3.37	319.76	6/01/2014	29.04	366.51
7/03/2006	2.50	313.71	7/03/2006	1.20	316.65	5/04/2006	3.00	321.28	3/06/2010	3.78	319.35	2/02/2014	28.88	366.67
5/04/2006	1.20	315.01	5/04/2006	1.00	316.85	17/05/2006	3.40	320.88	1/07/2010	3.65	319.48	9/03/2014	28.56	366.99
17/05/2006	1.40	314.81	17/05/2006	1.20	316.65	7/06/2006	4.20	320.08	21/08/2010	4.36	318.77	24/04/2014	28.17	367.38
7/06/2006	3.00	313.21	7/06/2006	1.20	316.65	21/07/2006	4.60	319.68	20/09/2010	4.55	318.58	5/05/2014	28.10	367.45
21/07/2006	3.10	313.11	21/07/2006	1.30	316.55	12/08/2006	4.80	319.48	16/10/2010	4.62	318.51	9/06/2014	28.29	367.26
12/08/2006	4.90	311.31	12/08/2006	1.20	316.65	15/09/2006	5.30	318.98	13/11/2010	4.01	319.12	1/07/2014	28.15	367.40
15/09/2006	2.90	313.31	15/09/2006	1.60	316.25	12/10/2006	5.40	318.88	11/12/2010	3.76	319.37	1/07/2014	28.15	367.40
12/10/2006	3.00	313.21	12/10/2006	1.60	316.25	20/11/2006	5.60	318.68	13/01/2011	3.94	319.19	1/08/2014	28.03	367.52
20/11/2006	3.00	313.21	20/11/2006	1.70	316.15	14/12/2006	5.80	318.48	8/02/2011	2.74	320.39	29/09/2014	27.84	367.71
14/12/2006	3.20	313.01	14/12/2006	1.80	316.05	20/01/2007	5.53	318.75	15/03/2011	0.58	322.55	31/10/2014	27.72	367.83
20/01/2007	2.79	313.42	20/01/2007	1.43	316.42	16/02/2007	5.51	318.77	27/04/2011	1.36	321.77	24/11/2014	27.64	367.91
16/02/2007	2.96	313.25	16/02/2007	1.61	316.24	30/03/2007	4.54	319.74	20/05/2011	1.50	321.63	26/01/2015	27.34	368.21
30/03/2007	2.56	313.65	30/03/2007	1.42	316.43	30/04/2007	5.54	318.74	6/06/2011	1.73	321.40	8/03/2016	25.61	369.94
30/04/2007	2.84	313.37	30/04/2007	1.70	316.15	27/05/2007	5.50	318.78	18/07/2011	1.98	321.15	26/03/2016	25.54	370.01
27/05/2007	2.95	313.26	27/05/2007	1.60	316.25	30/06/2007	5.63	318.65	1/08/2011	2.00	321.13	25/04/2016	25.42	370.13
30/06/2007	3.41	312.80	30/06/2007	1.97	315.88	21/07/2007	5.85	318.43	17/09/2011	2.20	320.93	18/05/2016	25.37	370.18
21/07/2007	3.69	312.52	21/07/2007	2.20	315.65	30/08/2007	6.31	317.97	14/10/2011	2.94	320.19	21/05/2016	25.37	370.18
30/08/2007	5.15	311.06	30/08/2007	2.98	314.87	21/09/2007	6.63	317.65	8/11/2011	2.88	320.25	16/06/2016	24.45	371.10
21/09/2007	5.16	311.05	21/09/2007	3.02	314.83	16/10/2007	6.91	317.37	2/12/2011	3.17	319.96	11/07/2016	25.42	370.13
16/10/2007	6.07	310.14	16/10/2007	3.72	314.13	7/11/2007	7.15	317.13	2/01/2012	3.05	320.08	12/09/2016	25.27	370.28
7/11/2007	6.36	309.85	7/11/2007	3.88	313.97	15/12/2007	6.72	317.56	2/02/2012	3.32	319.81	31/10/2016	25.10	370.45
15/12/2007	6.28	309.93	15/12/2007	3.45	314.40	2/01/2008	6.79	317.49	3/03/2012	2.72	320.41	30/11/2016	25.15	370.40
2/01/2008	6.01	310.20	2/01/2008	3.64	314.21	3/02/2008	6.95	317.33	4/04/2012	2.87	320.26	21/12/2016	24.93	370.62
3/02/2008	5.69	310.52	3/02/2008	3.27	314.58	3/03/2008	5.65	318.63	2/06/2012	3.32	319.81	30/01/2017	24.70	370.85
3/03/2008	3.95	312.26	3/03/2008	2.05	315.80	9/04/2008	6.09	318.19	29/06/2012	3.58	319.55	27/03/2017	23.86	371.69
9/04/2008	5.33	310.88	9/04/2008	2.88	314.97	10/05/2008	6.52	317.76	25/07/2012	3.22	319.91	21/04/2017	19.67	375.88
10/05/2008	6.02	310.19	10/05/2008	3.44	314.41	4/06/2008	6.79	317.49	23/08/2012	3.98	319.15	24/05/2017	23.50	372.05
4/06/2008	6.45	309.76	4/06/2008	3.86	313.99	14/07/2008	7.18	317.10	17/09/2012	4.39	318.74	17/06/2017	23.40	372.15
14/07/2008	6.87	309.34	14/07/2008	4.18	313.67	2/08/2008	7.10	317.18	11/10/2012	5.48	317.65	15/07/2017	23.34	372.21
2/08/2008	7.01	309.20	2/08/2008	4.29	313.56	19/09/2008	7.68	316.60	11/12/2012	5.40	317.73	10/08/2017	23.33	372.22
19/09/2008	7.42	308.79	19/09/2008	4.61	313.24	18/10/2008	7.97	316.31	8/01/2013	4.78	318.35	30/09/2017	23.30	372.25
18/10/2008	7.67	308.54	18/10/2008	4.88	312.97	16/11/2008	8.82	315.46	28/02/2013	3.67	319.46	13/07/2018	23.54	372.01
16/11/2008	7.83	308.38	16/11/2008	4.63	313.22	12/12/2008	7.69	316.59	9/03/2013	3.82	319.31	15/08/2018	23.57	371.98
12/12/2008	6.45	309.76	12/12/2008	3.76	314.09	9/01/2009	7.39	316.89	8/04/2013	4.17	318.96	19/09/2018	23.62	371.93
9/01/2009	7.12	309.09	9/01/2009	4.35	313.50	7/02/2009	3.78	320.50	2/05/2013	4.83	318.30	22/10/2018	23.67	371.88
7/02/2009	2.86	313.35	7/02/2009	1.27	316.58	7/03/2009	3.81	320.47	14/06/2013	5.25	317.88	16/11/2018	23.72	371.83
7/03/2009	3.72	312.49	7/03/2009	1.25	316.60	2/04/2009	4.54	319.74	17/07/2013	5.04	318.09	14/12/2018	23.78	371.77

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB01	SMMB01 mbrp	SMMB01 mAHD	SMMB02	SMMB02 mbrp	SMMB02 mAHD	SMMB03	SMMB03 mbrp	SMMB03 mAHD	SMMB05	SMMB05 mbrp	SMMB05 mAHD	SMMB06	SMMB06 mbrp	SMMB06 mAHD
Datum Elev		**316.21**			**317.85**			**324.28**			**323.13**			**395.55**
2/04/2009	3.18	313.03	2/04/2009	1.29	316.56	3/05/2009	5.13	319.15	24/08/2013	6.01	317.12	4/02/2019	23.72	371.83
3/05/2009	3.45	312.76	3/05/2009	1.55	316.30	1/06/2009	5.44	318.84	11/09/2013	6.22	316.91	3/03/2019	23.65	371.90
1/06/2009	4.18	312.03	1/06/2009	2.14	315.71	1/07/2009	5.80	318.48	7/10/2013	6.34	316.79	30/03/2019	23.58	371.97
1/07/2009	4.99	311.22	1/07/2009	2.52	315.33	26/08/2009	6.88	317.40	18/12/2013	6.60	316.53	28/04/2019	23.58	371.97
26/08/2009	5.88	310.33	26/08/2009	2.82	315.03	26/09/2009	6.53	317.75	6/01/2014	6.59	316.54	31/07/2019	23.62	371.93
26/09/2009	5.12	311.09	26/09/2009	2.72	315.13	19/10/2009	6.51	317.77	2/02/2014	5.44	317.69	29/08/2019	23.69	371.86
19/10/2009	4.91	311.30	19/10/2009	2.61	315.24	9/11/2009	6.50	317.78	9/03/2014	3.27	319.86	25/09/2019	23.71	371.84
9/11/2009	4.85	311.36	9/11/2009	2.05	315.80	8/12/2009	6.80	317.48	5/05/2014	3.55	319.58	22/10/2019	23.77	371.78
8/12/2009	6.15	310.06	8/12/2009	3.54	314.31	17/01/2010	7.01	317.27	9/06/2014	4.06	319.07	27/12/2019	23.86	371.69
17/01/2010	6.27	309.94	17/01/2010	3.61	314.24	9/02/2010	6.20	318.08	1/07/2014	4.48	318.65	25/01/2020	23.89	371.66
9/02/2010	4.45	311.76	9/02/2010	2.13	315.72	7/03/2010	5.91	318.37	1/07/2014	4.48	318.65	29/02/2020	23.81	371.74
7/03/2010	4.05	312.16	7/03/2010	1.98	315.87	3/04/2010	5.90	318.38	1/08/2014	4.99	318.14	30/03/2020	23.70	371.85
3/04/2010	3.96	312.25	3/04/2010	2.06	315.79	1/05/2010	6.03	318.25	29/09/2014	5.66	317.47	30/04/2020	23.60	371.95
1/05/2010	4.13	312.08	1/05/2010	1.32	316.53	3/06/2010	6.24	318.04	31/10/2014	6.00	317.13	26/05/2020	23.66	371.89
3/06/2010	4.12	312.09	3/06/2010	2.40	315.45	1/07/2010	6.30	317.98	24/11/2014	6.23	316.90	25/06/2020	23.66	371.89
1/07/2010	4.91	311.30	1/07/2010	3.13	314.72	21/08/2010	7.10	317.18	12/12/2014	5.17	317.96	25/08/2020	23.71	371.84
21/08/2010	6.49	309.72	21/08/2010	3.64	314.21	20/09/2010	7.13	317.15	26/01/2015	4.25	318.88	24/09/2020	23.77	371.78
20/09/2010	6.69	309.52	20/09/2010	3.70	314.15	16/10/2010	7.29	316.99	25/02/2015	4.74	318.39	20/10/2020	23.79	371.76
16/10/2010	6.79	309.42	16/10/2010	3.89	313.96	13/11/2010	6.78	317.50	17/03/2015	4.02	319.11	27/11/2020	23.85	371.70
13/11/2010	5.27	310.94	13/11/2010	2.77	315.08	11/12/2010	6.48	317.80	4/04/2015	4.92	318.21	12/01/2021	23.88	371.67
11/12/2010	5.27	310.94	11/12/2010	2.61	315.24	13/01/2011	4.45	319.83	18/05/2015	5.44	317.69	27/02/2021	15.34	380.21
13/01/2011	5.21	311.00	13/01/2011	2.70	315.15	8/02/2011	5.10	319.18	10/06/2015	5.81	317.32	31/03/2021	9.48	386.07
8/02/2011	3.08	313.13	8/02/2011	1.74	316.11	15/03/2011	2.28	322.00	19/07/2015	5.33	317.80	25/04/2021	9.83	385.72
15/03/2011	1.81	314.40	15/03/2011	0.67	317.18	27/04/2011	2.57	321.71	15/08/2015	6.42	316.71	24/05/2021	10.20	385.35
27/04/2011	1.78	314.43	27/04/2011	1.05	316.80	20/05/2011	3.70	320.58	27/09/2015	6.79	316.34	27/06/2021	10.62	384.93
20/05/2011	2.00	314.21	20/05/2011	0.16	317.69	6/06/2011	4.89	319.39	31/10/2015	6.97	316.16	24/07/2021	10.92	384.63
6/06/2011	2.24	313.97	6/06/2011	0.29	317.56	18/07/2011	4.57	319.71	30/11/2015	7.13	316.00	20/08/2021	11.25	384.30
18/07/2011	2.46	313.75	18/07/2011	0.39	317.46	1/08/2011	4.67	319.61	26/12/2015	7.04	316.09	20/09/2021	11.61	383.937
1/08/2011	2.46	313.75	1/08/2011	0.46	317.39	14/08/2011	4.79	319.49	31/01/2016	5.74	317.39	20/09/2021	11.61	383.94
14/08/2011	2.50	313.71	14/08/2011	0.40	317.45	17/09/2011	5.11	319.17	8/03/2016	5.27	317.86	13/11/2021	12.18	383.37
17/09/2011	2.66	313.55	17/09/2011	0.53	317.32	14/10/2011	5.38	318.90	26/03/2016	4.72	318.41	10/12/2021	12.44	383.11
14/10/2011	2.99	313.22	14/10/2011	0.80	317.05	8/11/2011	5.53	318.75	25/04/2016	4.75	318.38	17/01/2022	12.75	382.80
8/11/2011	3.22	312.99	8/11/2011	0.93	316.92	2/12/2011	5.76	318.52	17/05/2016	5.40	317.73	4/02/2022	12.79	382.76
2/12/2011	3.65	312.56	2/12/2011	1.09	316.76	2/01/2012	5.77	318.51	16/06/2016	5.92	317.21	13/03/2022	12.84	382.71
2/01/2012	3.44	312.77	2/01/2012	1.03	316.82	31/01/2012	5.91	318.37	11/07/2016	5.96	317.17	7/04/2022	13.00	382.55
4/02/2012	3.71	312.50	4/02/2012	1.20	316.65	3/03/2012	5.16	319.12	12/09/2016	6.24	316.89	3/05/2022	13.15	382.40
3/03/2012	3.25	312.96	3/03/2012	0.76	317.09	4/04/2012	4.97	319.31	31/10/2016	6.50	316.63	1/06/2022	13.38	382.17
4/04/2012	2.57	313.64	4/04/2012	0.57	317.28	26/05/2012	3.80	320.48	30/11/2016	6.44	316.69	27/06/2022	13.57	381.98
26/05/2012	4.07	312.14	26/05/2012	1.25	316.60	29/06/2012	6.12	318.16	21/12/2016	4.56	318.57	28/07/2022	13.80	381.75
29/06/2012	4.13	312.08	29/06/2012	1.22	316.63	25/07/2012	6.10	318.18	30/01/2017	2.05	321.08	20/08/2022	13.96	381.59
25/07/2012	4.65	311.56	25/07/2012	1.54	316.31	23/08/2012	6.50	317.78	27/03/2017	1.02	322.11	28/09/2022	14.20	381.35
23/08/2012	5.35	310.86	23/08/2012	2.19	315.66	17/09/2012	6.87	317.41	21/04/2017	1.32	321.81	21/10/2022	14.37	381.18
17/09/2012	5.74	310.47	17/09/2012	4.68	313.17	11/10/2012	7.00	317.28	24/05/2017	1.45	321.68	18/11/2022	14.59	380.96
11/10/2012	5.80	310.41	11/10/2012	2.69	315.16	11/12/2012	7.86	316.42	17/06/2017	2.01	321.12	11/12/2022	14.69	380.86
11/12/2012	6.56	309.65	11/12/2012	3.49	314.36	8/01/2013	6.70	317.58	15/07/2017	2.16	320.97	11/01/2023	14.82	380.73
8/01/2013	5.15	311.06	8/01/2013	2.88	314.97	28/02/2013	7.03	317.25	16/08/2017	2.45	320.68	4/02/2023	14.91	380.64
28/02/2013	4.96	311.25	28/02/2013	1.63	316.22	9/03/2013	5.74	318.54	30/09/2017	2.55	320.58	7/03/2023	14.96	380.59
9/03/2013	4.11	312.10	9/03/2013	1.03	316.82	8/04/2013	5.66	318.62	30/10/2017	3.00	320.13	4/04/2023	15.02	380.53
8/04/2013	4.92	311.29	8/04/2013	2.50	315.35	2/05/2013	7.04	317.24	30/11/2017	2.85	320.28	3/05/2023	15.02	380.53
2/05/2013	5.72	310.49	2/05/2013	3.07	314.78	14/06/2013	6.81	317.47	31/12/2017	2.91	320.22	5/06/2023	15.12	380.43
14/06/2013	6.00	310.21	14/06/2013	3.55	314.30	17/07/2013	7.04	317.24	27/01/2018	2.88	320.25	25/06/2023	15.18	380.37
17/07/2013	6.39	309.82	17/07/2013	3.77	314.08	11/09/2013	7.81	316.47	22/02/2018	3.17	319.96	22/07/2023	15.24	380.31
11/09/2013	6.80	309.41	11/09/2013	4.36	313.49	7/10/2013	7.96	316.32	24/03/2018	3.78	319.35	21/08/2023	15.33	380.22
7/10/2013	6.94	309.27	7/10/2013	4.75	313.10	11/11/2013	8.21	316.07	25/04/2018	4.24	318.89	26/09/2023	15.44	380.11
11/11/2013	7.17	309.04	11/11/2013	4.69	313.16	18/12/2013	8.41	315.87	22/05/2018	4.68	318.45	23/10/2023	15.53	380.02
18/12/2013	7.31	308.90	18/12/2013	4.76	313.09	6/01/2014	8.34	315.94	16/06/2018	4.99	318.14	23/11/2023	15.65	379.90
6/01/2014	7.29	308.92	6/01/2014	4.73	313.12	2/02/2014	7.15	317.13	13/07/2018	5.17	317.96	15/12/2023	15.75	379.80
2/02/2014	5.90	310.31	2/02/2014	3.65	314.20	9/03/2014	4.38	319.90	15/08/2018	5.25	317.88	8/01/2024	15.80	379.75
9/03/2014	2.76	313.45	9/03/2014	0.91	316.94	5/05/2014	4.85	319.43	19/09/2018	5.19	317.94	22/03/2024	15.79	379.76
5/05/2014	3.71	312.50	5/05/2014	1.51	316.34	9/06/2014	6.50	317.78	22/10/2018	5.82	317.31	16/04/2024	15.90	379.65
9/06/2014	5.08	311.13	9/06/2014	3.17	314.68	1/07/2014	6.96	317.32	16/11/2018	6.89	316.24	15/05/2024	15.95	379.60
1/07/2014	5.55	310.66	1/07/2014	3.58	314.27	1/07/2014	6.96	317.32	4/02/2019	4.47	318.66	16/06/2024	15.98	379.57
1/07/2014	5.55	310.66	1/07/2014	3.58	314.27	1/08/2014	7.45	316.83	3/03/2019	4.81	318.32	12/07/2024	16.03	379.52
1/08/2014	6.01	310.20	1/08/2014	4.08	313.77	29/09/2014	8.25	316.03	30/03/2019	5.29	317.84	30/08/2024	16.16	379.39
29/09/2014	6.68	309.53	29/09/2014	4.74	313.11	31/10/2014	8.64	315.64	28/04/2019	5.30	317.83	27/09/2024	16.20	379.35
31/10/2014	7.08	309.13	31/10/2014	5.10	312.75	24/11/2014	8.88	315.40	31/05/2019	5.79	317.34	5/10/2024	16.30	379.25
24/11/2014	7.30	308.91	24/11/2014	5.31	312.54	12/12/2014	8.95	315.33	30/06/2019	6.17	316.96	30/11/2024	16.41	379.14
12/12/2014	7.44	308.77	12/12/2014	5.34	312.51	26/01/2015	7.34	316.94	31/07/2019	6.28	316.85	28/12/2024	16.61	378.94
26/01/2015	5.63	310.58	26/01/2015	3.16	314.69	25/02/2015	7.07	317.21	29/08/2019	6.23	316.90	28/01/2025	16.58	378.97
25/02/2015	5.59	310.62	25/02/2015	3.63	314.22	17/03/2015	6.62	317.66	25/09/2019	6.42	316.71	28/02/2025	16.64	378.91
17/03/2015	5.27	310.94	17/03/2015	3.05	314.80	4/04/2015	6.91	317.37	22/10/2019	6.65	316.48	31/03/2025	16.60	378.95
4/04/2015	5.61	310.60	4/04/2015	3.69	314.16	18/05/2015	7.80	316.48	27/12/2019	6.94	316.19	24/04/2025	16.70	378.85
18/05/2015	6.17	310.04	18/05/2015	4.35	313.50	10/06/2015	8.21	316.07	25/01/2020	6.44	316.69	21/05/2025	16.75	378.80
10/06/2015	6.72	309.49	10/06/2015	4.80	313.05	19/07/2015	8.83	315.45	29/02/2020	4.96	318.17	22/06/2025	16.81	378.74
19/07/2015	7.28	308.93	19/07/2015	5.31	312.54	15/08/2015	5.47	318.81	30/03/2020	5.36	317.77			
15/08/2015	7.50	308.71	15/08/2015	5.52	312.33	18/08/2015	9.09	315.19	30/04/2020	5.57	317.56			
18/08/2015	7.49	308.72	18/08/2015	5.52	312.33	27/09/2015	9.41	314.87	26/05/2020	5.84	317.29			

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB01	SMMB01 mbrp	SMMB01 mAHD	SMMB02	SMMB02 mbrp	SMMB02 mAHD	SMMB03	SMMB03 mbrp	SMMB03 mAHD	SMMB05	SMMB05 mbrp	SMMB05 mAHD	SMMB06	SMMB06 mbrp	SMMB06 mAHD
Datum Elev		316.21			317.85			324.28			323.13			395.55
27/09/2015	7.89	308.32	27/09/2015	5.83	312.02	31/10/2015	9.63	314.65	25/06/2020	5.76	317.37			
31/10/2015	8.10	308.11	31/10/2015	6.02	311.83	25/11/2015	7.76	316.52	25/08/2020	6.37	316.76			
24/11/2015	8.23	307.98	25/11/2015	6.12	311.73	26/12/2015	9.79	314.49	24/09/2020	6.54	316.59			
26/12/2015	8.33	307.88	30/11/2015	7.18	310.67	31/01/2016	8.64	315.64	20/10/2020	6.65	316.48			
31/01/2016	7.27	308.94	26/12/2015	6.12	311.73	27/02/2016	8.56	315.72	27/11/2020	6.96	316.17			
27/02/2016	7.46	308.75	31/01/2016	4.79	313.06	8/03/2016	8.35	315.93	12/01/2021	6.50	316.63			
8/03/2016	7.48	308.73	27/02/2016	5.02	312.83	26/03/2016	7.90	316.38	27/02/2021	3.81	319.32			
26/03/2016	6.95	309.26	8/03/2016	4.87	312.98	25/04/2016	7.64	316.64	31/03/2021	3.43	319.70			
21/04/2016	7.15	309.06	26/03/2016	4.17	313.68	6/05/2016	7.67	316.61	25/04/2021	2.62	320.51			
6/05/2016	7.25	308.96	21/04/2016	4.38	313.47	18/05/2016	7.88	316.40	24/05/2021	3.48	319.65			
17/05/2016	7.25	308.96	6/05/2016	4.46	313.39	16/06/2016	8.39	315.89	27/06/2021	4.06	319.07			
16/06/2016	7.61	308.60	17/05/2016	4.55	313.30	11/07/2016	8.73	315.55	24/07/2021	4.53	318.60			
11/07/2016	7.89	308.32	16/06/2016	5.11	312.74	20/08/2016	8.54	315.74	20/08/2021	4.78	318.35			
20/08/2016	8.02	308.19	11/07/2016	5.43	312.42	12/09/2016	8.90	315.38	20/09/2021	3.92	319.21			
12/09/2016	8.18	308.03	20/08/2016	5.32	312.53	31/10/2016	9.31	314.97	20/10/2021	5.36	317.77			
24/09/2016	8.28	307.93	12/09/2016	5.61	312.24	25/11/2016	9.30	314.98	13/11/2021	5.29	317.84			
23/10/2016	8.31	307.90	24/09/2016	5.73	312.12	21/12/2016	8.29	315.99	10/12/2021	4.96	318.17			
31/10/2016	8.25	307.96	23/10/2016	5.66	312.19	30/01/2017	5.06	319.22	17/01/2022	4.88	318.25			
25/11/2016	8.22	307.99	31/10/2016	5.64	312.21	20/03/2017	1.57	322.71	4/02/2022	2.05	321.08			
21/12/2016	5.32	310.89	25/11/2016	5.51	312.34	21/04/2017	3.14	321.14	13/03/2022	2.97	320.16			
30/01/2017	2.59	313.62	21/12/2016	2.89	314.96	19/05/2017	3.88	320.40	7/04/2022	3.12	320.01			
22/02/2017	1.67	314.54	30/01/2017	1.23	316.62	17/06/2017	4.58	319.70	2/05/2022	3.52	319.61			
27/03/2017	1.78	314.43	22/02/2017	0.83	317.02	15/07/2017	4.88	319.40	31/05/2022	4.11	319.02			
21/04/2017	1.98	314.23	27/03/2017	0.93	316.92	12/08/2017	5.20	319.08	26/06/2022	4.55	318.58			
19/05/2017	2.19	314.02	21/04/2017	1.10	316.75	30/09/2017	5.58	318.70	28/07/2022	4.86	318.27			
17/06/2017	2.62	313.59	18/05/2017	1.20	316.65	30/10/2017	5.78	318.50	20/08/2022	4.96	318.17			
15/07/2017	2.69	313.52	17/06/2017	1.50	316.35	27/11/2017	4.71	319.57	27/09/2022	5.57	317.56			
11/08/2017	2.78	313.43	15/07/2017	1.57	316.28	30/11/2017	4.81	319.47	20/10/2022	5.76	317.37			
30/09/2017	2.98	313.23	12/08/2017	1.68	316.17	31/12/2017	4.87	319.41	18/11/2022	6.06	317.07			
30/10/2017	3.73	312.48	30/09/2017	0.85	317.00	27/01/2018	4.98	319.30	11/12/2022	4.95	318.18			
26/11/2017	2.28	313.93	30/10/2017	0.97	316.88	22/02/2018	4.96	319.32	11/01/2023	3.64	319.49			
30/11/2017	2.32	313.89	27/11/2017	0.74	317.11	18/03/2018	5.26	319.02	3/02/2023	3.04	320.09			
31/12/2017	2.43	313.78	30/11/2017	0.76	317.09	25/04/2018	5.89	318.39	7/03/2023	1.81	321.32			
27/01/2018	2.58	313.63	31/12/2017	0.86	316.99	18/05/2018	6.23	318.05	4/04/2023	1.85	321.28			
22/02/2018	2.66	313.55	27/01/2018	0.82	317.03	16/06/2018	6.52	317.76	3/05/2023	1.60	321.53			
26/02/2018	2.88	313.33	22/02/2018	0.89	316.96	13/07/2018	6.89	317.39	5/06/2023	1.93	321.20			
17/03/2018	3.68	312.53	17/03/2018	1.52	316.33	15/08/2018	7.02	317.26	25/06/2023	2.04	321.09			
25/04/2018	4.24	311.97	25/04/2018	2.24	315.61	16/09/2018	7.34	316.94	22/07/2023	2.07	321.06			
16/05/2018	4.82	311.39	18/05/2018	2.77	315.08	22/10/2018	7.65	316.63	20/08/2023	2.22	320.91			
16/06/2018	5.18	311.03	16/06/2018	3.05	314.80	16/11/2018	8.80	315.48	26/09/2023	2.80	320.33			
13/07/2018	5.59	310.62	13/07/2018	3.43	314.42	19/12/2018	8.43	315.85	23/10/2023	2.47	320.66			
15/08/2018	5.90	310.31	15/08/2018	3.50	314.35	4/02/2019	7.37	316.91	23/11/2023	2.96	320.17			
15/09/2018	6.15	310.06	15/09/2018	3.87	313.98	3/03/2019	7.48	316.80	15/12/2023	3.36	319.77			
22/10/2018	6.45	309.76	22/10/2018	4.12	313.73	30/03/2019	7.93	316.35	8/01/2024	3.44	319.69			
16/11/2018	7.45	308.76	16/11/2018	5.32	312.53	28/04/2019	8.24	316.04	22/03/2024	1.43	321.70			
17/12/2018	7.24	308.97	17/12/2018	4.89	312.96	31/05/2019	7.51	316.77	16/04/2024	1.55	321.58			
4/02/2019	5.44	310.77	4/02/2019	3.40	314.45	30/06/2019	7.86	316.42	15/05/2024	1.72	321.41			
3/03/2019	5.95	310.26	3/03/2019	3.81	314.04	2/07/2019	7.86	316.42	16/06/2024	1.89	321.24			
30/03/2019	6.46	309.75	30/03/2019	4.40	313.45	31/07/2019	8.08	316.20	12/07/2024	2.12	321.01			
28/04/2019	7.09	309.12	28/04/2019	4.95	312.90	29/08/2019	8.19	316.09	30/08/2024	2.51	320.62			
31/05/2019	6.49	309.72	31/05/2019	4.07	313.78	25/09/2019	8.31	315.97	27/09/2024	2.56	320.57			
30/06/2019	6.41	309.80	30/06/2019	4.17	313.68	22/10/2019	8.42	315.86	5/10/2024	2.63	320.50			
2/07/2019	6.44	309.77	2/07/2019	4.17	313.68	27/12/2019	8.82	315.46	30/11/2024	2.42	320.71			
31/07/2019	6.76	309.45	31/07/2019	4.49	313.36	25/01/2020	6.28	318.00	28/12/2024	2.92	320.21			
29/08/2019	6.80	309.41	29/08/2019	4.55	313.30	29/02/2020	6.40	317.88	28/01/2025	2.59	320.54			
25/09/2019	6.47	309.74	25/09/2019	4.28	313.57	30/03/2020	6.74	317.54	28/02/2025	2.13	321.00			
22/10/2019	7.30	308.91	22/10/2019	4.46	313.39	30/04/2020	6.90	317.38	31/03/2025	2.14	320.99			
27/12/2019	7.36	308.85	27/12/2019	2.84	315.01	26/05/2020	7.56	316.72	24/04/2025	2.32	320.81			
25/01/2020	7.21	309.00	25/01/2020	4.57	313.28	22/06/2020	7.82	316.46	21/05/2025	2.28	320.85			
29/02/2020	5.89	310.32	29/02/2020	3.09	314.76	25/08/2020	8.10	316.18	22/06/2025	1.81	321.32			
30/03/2020	6.18	310.03	30/03/2020	3.58	314.27	22/09/2020	8.36	315.92						
30/04/2020	6.20	310.01	30/04/2020	3.73	314.12	24/09/2020	8.36	315.92						
26/05/2020	6.64	309.57	26/05/2020	4.23	313.62	20/10/2020	8.61	315.67						
21/06/2020	6.91	309.30	21/06/2020	4.46	313.39	25/11/2020	8.88	315.40						
25/08/2020	7.28	308.93	25/08/2020	4.67	313.18	12/01/2021	8.23	316.05						
21/09/2020	7.48	308.73	22/09/2020	5.05	312.80	27/02/2021	4.93	319.35						
24/09/2020	7.48	308.73	24/09/2020	5.05	312.80	30/03/2021	4.43	319.85						
20/10/2020	7.70	308.51	20/10/2020	5.20	312.65	25/04/2021	4.96	319.32						
24/11/2020	7.88	308.33	25/11/2020	5.37	312.48	24/05/2021	5.29	318.99						
12/01/2021	7.57	308.64	12/01/2021	4.85	313.00	26/06/2021	5.67	318.61						
27/02/2021	4.36	311.85	27/02/2021	1.74	316.11	24/07/2021	6.17	318.11						
28/03/2021	3.37	312.84	30/03/2021	1.33	316.52	20/08/2021	6.59	317.69						
25/04/2021	4.05	312.16	25/04/2021	1.49	316.36	24/08/2021	6.60	317.68						
24/05/2021	3.75	312.46	24/05/2021	1.42	316.43	20/09/2021	6.31	317.97						

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB01	SMMB01 mbrp	SMMB01 mAHD	SMMB02	SMMB02 mbrp	SMMB02 mAHD	SMMB03	SMMB03 mbrp	SMMB03 mAHD	SMMB05	SMMB05 mbrp	SMMB05 mAHD	SMMB06	SMMB06 mbrp	SMMB06 mAHD
Datum Elev		**316.21**			**317.85**			**324.28**			**323.13**			**395.55**
25/06/2021	4.49	311.72	25/06/2021	2.19	315.66	20/10/2021	7.06	317.22						
24/07/2021	5.13	311.08	24/07/2021	2.85	315.00	17/11/2021	7.13	317.15						
20/08/2021	4.93	311.28	20/08/2021	2.83	315.02	11/12/2021	7.06	317.22						
24/08/2021	4.97	311.24	24/08/2021	2.80	315.05	17/01/2022	5.35	318.93						
20/09/2021	5.61	310.60	20/09/2021	2.78	315.07	10/02/2022	2.87	321.41						
20/10/2021	6.07	310.14	20/10/2021	3.73	314.12	14/03/2022	4.11	320.17						
15/11/2021	6.27	309.94	17/11/2021	3.85	314.00	8/04/2022	4.60	319.68						
10/12/2021	6.40	309.81	10/12/2021	3.79	314.06	4/05/2022	5.08	319.20						
17/01/2022	6.37	309.84	17/01/2022	3.58	314.27	1/06/2022	5.63	318.65						
12/02/2022	2.13	314.08	10/02/2022	0.35	317.50	29/06/2022	6.22	318.06						
13/03/2022	2.31	313.90	13/03/2022	0.80	317.05	29/07/2022	6.60	317.68						
7/04/2022	2.50	313.71	7/04/2022	1.09	316.76	21/08/2022	6.73	317.55						
9/05/2022	3.74	312.47	4/05/2022	1.61	316.24	28/08/2022	6.73	317.55						
31/05/2022	4.28	311.93	31/05/2022	2.25	315.60	28/09/2022	7.10	317.18						
26/06/2022	4.71	311.50	26/06/2022	2.71	315.14	23/10/2022	7.44	316.84						
28/07/2022	5.15	311.06	28/07/2022	3.16	314.69	19/11/2022	7.80	316.48						
20/08/2022	5.45	310.76	20/08/2022	3.30	314.55	12/12/2022	6.63	317.65						
29/08/2022	5.45	310.76	23/08/2022	3.30	314.55	17/12/2022	6.63	317.65						
27/09/2022	5.84	310.37	27/09/2022	3.78	314.07	10/01/2023	5.07	319.21						
20/10/2022	6.16	310.05	20/10/2022	3.97	313.88	5/02/2023	4.04	320.24						
18/11/2022	6.38	309.83	18/11/2022	4.31	313.54	10/02/2023	4.04	320.24						
11/12/2022	5.38	310.83	11/12/2022	3.12	314.73	8/03/2023	2.22	322.06						
17/12/2022	5.38	310.83	14/12/2022	3.12	314.73	5/04/2023	2.06	322.22						
12/01/2023	3.17	313.04	11/01/2023	1.29	316.56	4/05/2023	2.95	321.33						
3/02/2023	2.14	314.07	3/02/2023	0.63	317.22	7/05/2023	2.95	321.33						
13/02/2023	2.14	314.07	7/02/2023	0.63	317.22	6/06/2023	3.40	320.88						
7/03/2023	1.34	314.87	7/03/2023	0.01	317.84	25/06/2023	3.39	320.89						
4/04/2023	1.17	315.04	4/04/2023	0.19	317.66	23/07/2023	3.71	320.57						
3/05/2023	1.62	314.59	3/05/2023	0.16	317.69	28/07/2023	3.71	320.57						
9/05/2023	1.62	314.59	4/05/2023	0.16	317.69	22/08/2023	3.98	320.30						
4/06/2023	1.74	314.47	5/06/2023	0.33	317.52	27/09/2023	2.42	321.86						
25/06/2023	1.49	314.72	25/06/2023	0.34	317.51	24/10/2023	4.64	319.64						
22/07/2023	1.74	314.47	22/07/2023	0.33	317.52	19/11/2023	4.48	319.80						
1/08/2023	1.74	314.47	25/07/2023	0.33	317.52	24/11/2023	4.48	319.80						
20/08/2023	1.92	314.29	20/08/2023	0.60	317.25	16/12/2023	4.88	319.40						
26/09/2023	2.24	313.97	26/09/2023	0.87	316.98	9/01/2024	4.66	319.62						
23/10/2023	2.70	313.51	23/10/2023	1.04	316.81	22/03/2024	2.02	322.26						
20/11/2023	2.80	313.41	19/11/2023	1.04	316.81	16/04/2024	2.17	322.11						
23/11/2023	2.80	313.41	23/11/2023	1.04	316.81	15/05/2024	2.21	322.07						
15/12/2023	3.50	312.71	15/12/2023	1.49	316.36	16/06/2024	2.84	321.44						
7/01/2024	3.52	312.69	8/01/2024	1.67	316.18	23/06/2024	3.04	321.24						
22/03/2024	1.00	315.21	22/03/2024	-0.13	317.98	12/07/2024	3.41	320.87						
16/04/2024	1.08	315.13	16/04/2024	0.05	317.80	30/08/2024	4.17	320.11						
15/05/2024	1.29	314.92	15/05/2024	0.11	317.74	27/09/2024	4.19	320.09						
16/06/2024	1.54	314.67	16/06/2024	0.28	317.57	5/10/2024	4.24	320.04						
22/06/2024	1.57	314.64	12/07/2024	0.40	317.45	30/11/2024	4.25	320.03						
12/07/2024	1.65	314.56	30/08/2024	0.58	317.27	28/12/2024	4.85	319.43						
30/08/2024	1.86	314.35	27/09/2024	0.64	317.21	28/01/2025	4.22	320.06						
27/09/2024	1.88	314.33	5/10/2024	0.67	317.18	28/02/2025	3.45	320.83						
5/10/2024	1.93	314.28	30/11/2024	0.56	317.29	27/03/2025	3.42	320.86						
30/11/2024	1.87	314.34	28/12/2024	1.32	316.53	24/04/2025	3.92	320.36						
28/12/2024	3.14	313.07	28/01/2025	0.52	317.33	21/05/2025	4.20	320.08						
28/01/2025	1.82	314.39	28/02/2025	0.33	317.52	15/06/2025	3.93	320.35						
28/02/2025	1.62	314.59	24/03/2025	0.29	317.56									
24/03/2025	1.68	314.53	24/04/2025	0.48	317.37									
24/04/2025	1.78	314.43	21/05/2025	0.41	317.44									
21/05/2025	1.66	314.55	14/06/2025	0.36	317.49									
14/06/2025	1.62	314.59												

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB07	SMMB07 mbrp	SMMB07 mAHD	SMMB08	SMMB08 mbrp	SMMB08 mAHD	SMMB09	SMMB09 mbrp	SMMB09 mAHD	SMMB10	SMMB10 mbrp	SMMB10 mAHD	SMMB12	SMMB12 mbrp	SMMB12 mAHD
		353.84			**362.27**			**362.62**			**343.53**			**359.15**
25/04/2008	6.57	347.27	25/04/2008	15.35	346.92	25/04/2008	28.47	334.15	30/07/2003	34.49	309.04	25/04/2008	12.94	346.21
10/05/2008	6.67	347.17	10/05/2008	15.75	346.52	10/05/2008	26.88	335.74	9/09/2003	34.84	308.69	10/05/2008	13.53	345.62
4/06/2008	16.78	337.06	4/06/2008	15.86	346.41	4/06/2008	28.08	334.54	25/04/2008	35.72	307.81	4/06/2008	13.76	345.39
14/07/2008	7.05	346.79	14/07/2008	16.08	346.19	14/07/2008	30.05	332.57	10/05/2008	35.69	307.84	14/07/2008	14.18	344.97
2/08/2008	6.88	346.96	2/08/2008	15.83	346.44	2/08/2008	30.55	332.07	4/06/2008	35.58	307.95	2/08/2008	13.34	345.81
19/09/2008	6.86	346.98	19/09/2008	16.28	345.99	19/09/2008	31.98	330.64	14/07/2008	35.66	307.87	19/09/2008	14.36	344.79
18/10/2008	7.45	346.39	18/10/2008	15.99	346.28	18/10/2008	32.76	329.86	2/08/2008	35.68	307.85	18/10/2008	14.63	344.52
24/02/2009	3.60	350.24	24/02/2009	8.95	353.32	24/02/2009	18.54	344.08	19/09/2008	35.89	307.64	24/02/2009	7.18	351.97
2/04/2009	2.66	351.18	7/03/2009	9.38	352.89	7/03/2009	17.22	345.40	18/10/2008	36.02	307.51	7/03/2009	6.99	352.16
3/05/2009	4.17	349.67	2/04/2009	10.20	352.07	2/04/2009	16.24	346.38	24/02/2009	21.12	322.41	2/04/2009	7.27	351.88
1/06/2009	4.54	349.30	3/05/2009	10.91	351.36	3/05/2009	16.45	346.17	7/03/2009	20.94	322.59	3/05/2009	8.38	350.77
1/07/2009	4.96	348.88	1/06/2009	11.51	350.76	1/06/2009	16.95	345.67	2/04/2009	22.54	320.99	1/06/2009	9.12	350.03
26/08/2009	4.29	349.55	1/07/2009	12.06	350.21	1/07/2009	17.49	345.13	3/05/2009	24.10	319.43	1/07/2009	9.89	349.26
26/09/2009	5.99	347.85	26/08/2009	13.15	349.12	26/08/2009	19.50	343.12	1/06/2009	25.51	318.02	26/08/2009	11.45	347.70
19/10/2009	6.24	347.60	26/09/2009	13.62	348.65	26/09/2009	20.74	341.88	1/07/2009	26.49	317.04	26/09/2009	12.20	346.95
9/11/2009	6.41	347.43	19/10/2009	13.94	348.33	19/10/2009	21.56	341.06	26/08/2009	28.42	315.11	19/10/2009	12.70	346.45
8/12/2009	6.67	347.17	9/11/2009	14.30	347.97	9/11/2009	22.44	340.18	26/09/2009	29.44	314.09	9/11/2009	13.30	345.85
17/01/2010	6.90	346.94	8/12/2009	14.62	347.65	8/12/2009	23.74	338.88	19/10/2009	43.00	300.53	8/12/2009	13.77	345.38
9/02/2010	6.73	347.11	17/01/2010	15.00	347.27	17/01/2010	26.38	336.24	9/11/2009	30.83	312.70	17/01/2010	14.45	344.70
7/03/2010	6.90	346.94	9/02/2010	15.41	346.86	9/02/2010	26.96	335.66	8/12/2009	31.61	311.92	9/02/2010	14.33	344.82
3/04/2010	7.02	346.82	7/03/2010	14.30	347.97	7/03/2010	27.32	335.30	17/01/2010	32.62	310.91	7/03/2010	15.53	343.62
1/05/2010	7.40	346.44	3/04/2010	15.27	347.00	3/04/2010	27.50	335.12	9/02/2010	33.21	310.32	3/04/2010	14.32	344.83
3/06/2010	4.83	349.01	1/05/2010	15.72	346.55	1/05/2010	29.26	333.36	3/04/2010	34.21	309.32	1/05/2010	14.41	344.74
1/07/2010	7.70	346.14	3/06/2010	15.74	346.53	3/06/2010	29.66	332.96	1/05/2010	34.67	308.86	3/06/2010	14.71	344.44
21/08/2010	7.72	346.12	1/07/2010	15.75	346.52	1/07/2010	30.87	331.75	3/06/2010	33.40	310.13	1/07/2010	13.56	345.59
20/09/2010	7.87	345.97	21/08/2010	15.93	346.34	21/08/2010	31.23	331.39	1/07/2010	33.83	309.70	21/08/2010	14.67	344.48
16/10/2010	7.97	345.87	20/09/2010	16.02	346.25	20/09/2010	31.64	330.98	21/08/2010	33.74	309.79	20/09/2010	14.69	344.46
13/11/2010	7.98	345.86	16/10/2010	15.79	346.48	16/10/2010	31.93	330.69	20/09/2010	33.96	309.57	16/10/2010	14.93	344.22
11/12/2010	8.05	345.79	13/11/2010	16.19	346.08	13/11/2010	32.51	330.11	16/10/2010	34.12	309.41	13/11/2010	15.36	343.79
13/01/2011	8.17	345.67	11/12/2010	16.32	345.95	11/12/2010	32.90	329.72	13/11/2010	34.41	309.12	11/12/2010	15.33	343.82
4/02/2011	7.89	345.95	13/01/2011	16.47	345.80	13/01/2011	32.98	329.64	11/12/2010	34.36	309.17	13/01/2011	15.37	343.78
10/03/2011	4.85	348.99	4/02/2011	16.46	345.81	4/02/2011	31.44	331.18	13/01/2011	34.51	309.02	4/02/2011	15.04	344.11
4/02/2012	4.97	348.87	10/03/2011	3.66	358.61	10/03/2011	18.31	344.31	4/02/2011	34.55	308.98	10/03/2011	8.65	350.50
8/04/2013	6.31	347.53	2/12/2011	11.74	350.53	4/02/2012	16.23	346.39	15/03/2011	14.24	329.29	2/12/2011	8.41	350.74
2/05/2013	6.50	347.34	4/02/2012	13.27	349.00	8/04/2013	20.19	342.43	2/12/2011	27.24	316.29	4/02/2012	9.90	349.25
14/06/2013	6.68	347.16	29/06/2012	13.35	348.92	2/05/2013	21.08	341.54	29/06/2012	27.30	316.23	29/06/2012	9.86	349.29
17/07/2013	6.81	347.03	8/04/2013	15.06	347.21	14/06/2013	21.67	340.95	8/04/2013	32.64	310.89	8/04/2013	11.92	347.23
11/09/2013	7.06	346.78	2/05/2013	13.30	348.97	17/07/2013	22.65	339.97	2/05/2013	32.77	310.76	2/05/2013	12.46	346.69
7/10/2013	7.18	346.66	14/06/2013	13.40	348.87	11/09/2013	24.17	338.45	14/06/2013	33.14	310.39	14/06/2013	12.82	346.33
11/11/2013	7.28	346.56	17/07/2013	15.52	346.75	7/10/2013	24.81	337.81	17/07/2013	33.24	310.29	17/07/2013	13.24	345.91
18/12/2013	7.37	346.47	24/08/2013	15.66	346.61	11/11/2013	25.85	336.77	24/08/2013	33.55	309.98	11/09/2013	13.71	345.44
6/01/2014	7.42	346.42	11/09/2013	16.08	346.19	18/12/2013	26.90	335.72	11/09/2013	33.60	309.93	7/10/2013	13.83	345.32
2/02/2014	7.11	346.73	7/10/2013	16.18	346.09	6/01/2014	28.32	334.30	7/10/2013	33.70	309.83	11/11/2013	14.13	345.02
9/03/2014	3.08	350.76	11/11/2013	15.98	346.29	2/02/2014	26.55	336.07	11/11/2013	33.78	309.75	18/12/2013	14.31	344.84
5/05/2014	4.37	349.47	18/12/2013	16.08	346.19	9/03/2014	18.75	343.87	18/12/2013	34.00	309.53	6/01/2014	13.85	345.30
9/06/2014	5.17	348.67	6/01/2014	16.17	346.10	5/05/2014	16.14	346.48	6/01/2014	34.10	309.43	2/02/2014	14.27	344.88
1/07/2014	5.40	348.44	2/02/2014	16.31	345.96	9/06/2014	16.94	345.68	9/03/2014	31.29	312.24	9/03/2014	10.20	348.95
1/07/2014	5.40	348.44	9/03/2014	12.30	349.97	1/07/2014	17.38	345.24	24/04/2014	28.31	315.22	5/05/2014	9.46	349.69
1/08/2014	5.66	348.18	24/04/2014	3.29	358.98	1/07/2014	17.38	345.24	5/05/2014	28.24	315.29	9/06/2014	10.27	348.88
29/09/2014	6.13	347.71	5/05/2014	12.57	349.70	1/08/2014	18.00	344.62	9/06/2014	28.65	314.88	1/07/2014	10.74	348.41
31/10/2014	6.43	347.41	9/06/2014	12.63	349.64	29/09/2014	19.16	343.46	1/07/2014	29.13	314.40	1/07/2014	10.74	348.41
24/11/2014	6.61	347.23	1/07/2014	3.49	358.78	31/10/2014	19.88	342.74	1/07/2014	29.13	314.40	1/08/2014	11.34	347.81
12/12/2014	6.74	347.10	1/07/2014	3.49	358.78	24/11/2014	20.40	342.22	1/08/2014	29.88	313.65	29/09/2014	12.32	346.83
26/01/2015	6.56	347.28	1/08/2014	13.26	349.01	12/12/2014	20.80	341.82	29/09/2014	31.12	312.41	31/10/2014	12.88	346.27
26/01/2015	6.56	347.28	29/09/2014	13.89	348.38	26/01/2015	21.31	341.31	31/10/2014	31.78	311.75	24/11/2014	13.17	345.98
25/02/2015	6.52	347.32	31/10/2014	14.30	347.97	26/01/2015	21.31	341.31	24/11/2014	32.23	311.30	12/12/2014	13.32	345.83
17/03/2015	6.37	347.47	24/11/2014	14.53	347.74	25/02/2015	20.66	341.96	12/12/2014	32.47	311.06	26/01/2015	13.54	345.61
4/04/2015	6.82	347.02	12/12/2014	14.73	347.54	17/03/2015	19.80	342.82	26/01/2015	32.89	310.64	25/02/2015	12.81	346.34
18/05/2015	6.66	347.18	26/01/2015	14.60	347.67	4/04/2015	19.55	343.07	8/03/2016	34.63	308.90	17/03/2015	12.20	346.95
10/06/2015	6.78	347.06	25/02/2015	14.21	348.06	18/05/2015	19.57	343.05	26/03/2016	34.66	308.87	4/04/2015	12.06	347.09
19/07/2015	7.00	346.84	17/03/2015	13.84	348.43	10/06/2015	19.81	342.81	21/04/2016	34.75	308.78	18/05/2015	12.16	346.99
15/08/2015	7.11	346.73	4/04/2015	14.14	348.13	19/07/2015	20.47	342.15	17/05/2016	34.79	308.74	10/06/2015	12.45	346.70
27/09/2015	7.30	346.54	18/05/2015	14.53	347.74	15/08/2015	21.04	341.58	16/06/2016	34.83	308.70	19/07/2015	13.04	346.11
31/10/2015	7.43	346.41	10/06/2015	14.72	347.55	27/09/2015	21.82	340.80	11/07/2016	34.87	308.66	15/08/2015	13.44	345.71
30/11/2015	7.53	346.31	19/07/2015	15.03	347.24	31/10/2015	22.61	340.01	12/09/2016	34.99	308.54	27/09/2015	13.80	345.35
26/12/2015	7.65	346.19	15/08/2015	15.17	347.10	30/11/2015	23.37	339.25	30/11/2016	35.05	308.48	31/10/2015	14.05	345.10
31/01/2016	7.35	346.49	27/09/2015	15.41	346.86	26/12/2015	24.14	338.48	17/06/2017	22.58	320.95	29/11/2015	14.26	344.89
8/03/2016	7.43	346.41	31/10/2015	14.53	347.74	31/01/2016	24.82	337.80	15/07/2017	23.58	319.95	26/12/2015	14.43	344.72
26/03/2016	7.37	346.47	30/11/2015	15.63	346.64	8/03/2016	24.65	337.97	10/08/2017	24.57	318.96	31/01/2016	14.45	344.70
25/04/2016	7.44	346.40	26/12/2015	15.79	346.48	26/03/2016	24.41	338.21	30/09/2017	26.36	317.17	6/03/2016	14.36	344.79
18/05/2016	7.33	346.51	31/01/2016	15.65	346.62	25/04/2016	23.90	338.72	13/07/2018	37.93	305.60	8/03/2016	14.36	344.79
21/05/2016	7.33	346.51	8/03/2016	15.76	346.51	10/05/2016	24.12	338.50	15/08/2018	37.98	305.55	26/03/2016	14.31	344.84
16/06/2016	7.27	346.57	26/03/2016	15.74	346.53	18/05/2016	24.25	338.37	19/09/2018	38.20	305.33	25/04/2016	14.16	344.99
11/07/2016	7.29	346.55	25/04/2016	15.80	346.47	16/06/2016	24.60	338.02	22/10/2018	33.64	309.89	7/05/2016	14.16	344.99
12/09/2016	7.48	346.36	18/05/2016	15.83	346.44	11/07/2016	24.95	337.67	16/11/2018	33.82	309.71	18/05/2016	14.18	344.97
31/10/2016	7.70	346.14	16/06/2016	15.80	346.47	12/09/2016	25.81	336.81	14/12/2018	33.94	309.59	16/06/2016	14.28	344.87
30/11/2016	7.78	346.06	11/07/2016	15.82	346.45	31/10/2016	26.61	336.01	3/03/2019	34.30	309.23	11/07/2016	14.44	344.71
21/12/2016	7.29	346.55	12/09/2016	15.92	346.35	30/11/2016	27.21	335.41	25/09/2019	34.82	308.71	21/08/2016	14.64	344.51
30/01/2017	4.58	349.26	31/10/2016	16.05	346.22	21/12/2016	27.48	335.14	29/02/2020	35.11	308.42	12/09/2016	14.74	344.41
27/03/2017	1.33	352.51	30/11/2016	16.19	346.08	30/01/2017	19.67	342.95	26/05/2020	35.28	308.25	31/10/2016	14.96	344.19
21/04/2017	1.92	351.92	21/12/2016	16.12	346.15	27/03/2017	4.61	358.01	24/09/2020	35.53	308.00	1/12/2016	15.08	344.07

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB07	SMMB07 mbrp	SMMB07 mAHD	SMMB08	SMMB08 mbrp	SMMB08 mAHD	SMMB09	SMMB09 mbrp	SMMB09 mAHD	SMMB10	SMMB10 mbrp	SMMB10 mAHD	SMMB12	SMMB12 mbrp	SMMB12 mAHD
		353.84			**362.27**			**362.62**			**343.53**			**359.15**
14/06/2017	2.49	351.35	30/01/2017	10.56	351.71	21/04/2017	5.37	357.25	22/10/2019	34.98	308.55	21/12/2016	15.03	344.12
15/07/2017	2.86	350.98	27/03/2017	3.92	358.35	24/05/2017	7.63	354.99	27/11/2020	34.65	308.88	30/01/2017	11.19	347.96
4/09/2017	3.50	350.34	21/04/2017	4.91	357.36	14/06/2017	8.76	353.86	27/02/2021	35.52	308.01	21/03/2017	0.10	359.05
30/09/2017	3.93	349.91	24/05/2017	6.19	356.08	15/07/2017	10.00	352.62	24/05/2021	37.33	306.20	21/04/2017	1.35	357.80
30/10/2017	3.67	350.17	17/06/2017	7.24	355.03	4/09/2017	11.78	350.84	20/08/2021	33.54	309.99	24/05/2017	2.74	356.41
30/11/2017	3.88	349.96	15/07/2017	8.15	354.12	30/09/2017	12.76	349.86	4/02/2022	34.10	309.43	17/06/2017	3.91	355.24
31/12/2017	4.13	349.71	4/09/2017	9.68	352.59	30/10/2017	13.34	349.28	2/05/2022	30.43	313.10	15/07/2017	4.85	354.30
2/01/2018	4.18	349.66	30/09/2017	10.43	351.84	30/11/2017	14.19	348.43	19/08/2022	32.53	311.00	4/09/2017	6.59	352.56
27/01/2018	4.37	349.47	30/10/2017	10.54	351.73	31/12/2017	14.95	347.67	18/11/2022	33.30	310.23	30/09/2017	7.51	351.64
22/02/2018	4.45	349.39	30/11/2017	11.06	351.21	27/01/2018	15.49	347.13	3/02/2023	28.71	314.82	30/10/2017	8.18	350.97
25/03/2018	4.65	349.19	31/12/2017	11.50	350.77	22/02/2018	16.37	346.25	3/05/2023	21.27	322.26	30/11/2017	8.96	350.19
25/04/2018	4.56	349.28	27/01/2018	11.48	350.79	20/03/2018	17.40	345.22	22/07/2023	24.02	319.51	31/12/2017	9.65	349.50
22/05/2018	4.74	349.10	22/02/2018	12.20	350.07	25/04/2018	17.61	345.01	23/10/2023	26.73	316.80	27/01/2018	9.88	349.27
19/06/2018	5.48	348.36	24/03/2018	12.48	349.79	22/05/2018	18.05	344.57	15/05/2024	20.55	322.98	22/02/2018	11.00	348.15
13/07/2018	5.68	348.16	25/04/2018	12.78	349.49	16/06/2018	18.43	344.19	30/08/2024	25.45	318.08	22/03/2018	11.54	347.61
15/08/2018	5.80	348.04	22/05/2018	13.12	349.15	13/07/2018	18.85	343.77	28/02/2025	28.99	314.54	25/04/2018	12.08	347.07
19/09/2018	6.24	347.60	16/06/2018	13.45	348.82	15/08/2018	19.50	343.12	21/05/2025	28.77	314.76	22/05/2018	12.45	346.70
22/10/2018	6.31	347.53	13/07/2018	13.68	348.59	19/09/2018	20.16	342.46				16/06/2018	12.66	346.49
16/11/2018	7.01	346.83	15/08/2018	14.18	348.09	22/10/2018	20.31	342.31				13/07/2018	13.04	346.11
19/12/2018	7.17	346.67	19/09/2018	14.35	347.92	16/11/2018	21.25	341.37				15/08/2018	13.19	345.96
3/03/2019	7.30	346.54	22/10/2018	14.51	347.76	14/12/2018	21.81	340.81				19/09/2018	13.28	345.87
31/05/2019	7.05	346.79	16/11/2018	15.28	346.99	4/02/2019	22.16	340.46				22/10/2018	11.89	347.26
4/07/2019	7.16	346.68	14/12/2018	15.43	346.84	3/03/2019	21.70	340.92				16/11/2018	14.37	344.78
25/09/2019	7.37	346.47	3/03/2019	15.54	346.73	30/03/2019	21.81	340.81				19/12/2018	14.54	344.61
29/02/2020	6.95	346.89	31/05/2019	15.31	346.96	28/04/2019	21.96	340.66				3/03/2019	14.15	345.00
26/05/2020	7.09	346.75	25/09/2019	15.63	346.64	31/05/2019	21.59	341.03				31/05/2019	13.52	345.63
25/08/2020	7.47	346.37	29/02/2020	15.55	346.72	30/06/2019	21.48	341.14				4/07/2019	13.42	345.73
22/09/2020	7.91	345.93	26/05/2020	15.60	346.67	3/07/2019	21.48	341.14				25/09/2019	13.44	345.71
24/09/2020	7.91	345.93	25/06/2020	15.63	346.64	31/07/2019	21.61	341.01				29/02/2020	13.43	345.72
20/10/2020	7.73	346.11	25/08/2020	15.84	346.43	29/08/2019	21.68	340.94				26/05/2020	13.79	345.36
28/11/2020	7.84	346.00	24/09/2020	15.95	346.32	25/09/2019	21.80	340.82				25/06/2020	14.01	345.14
12/01/2021	7.38	346.46	20/10/2020	16.15	346.12	22/10/2019	21.95	340.67				25/08/2020	14.49	344.66
27/02/2021	6.67	347.17	26/11/2020	16.12	346.15	27/12/2019	23.11	339.51				24/09/2020	14.63	344.52
31/03/2021	6.10	347.74	12/01/2021	16.21	346.06	25/01/2020	23.59	339.03				20/10/2020	15.76	343.39
25/04/2021	5.63	348.21	27/02/2021	13.93	348.34	29/02/2020	21.18	341.44				27/11/2020	14.95	344.20
24/05/2021	5.51	348.33	31/03/2021	13.14	349.13	30/03/2020	21.49	341.13				12/01/2021	15.14	344.01
24/06/2021	5.56	348.28	25/04/2021	13.13	349.14	30/04/2020	21.98	340.64				27/02/2021	13.64	345.51
27/06/2021	5.56	348.28	24/05/2021	13.28	348.99	26/05/2020	22.77	339.85				31/03/2021	11.95	347.20
24/07/2021	5.66	348.18	24/06/2021	13.73	348.54	25/06/2020	22.38	340.24				25/04/2021	11.23	347.92
20/08/2021	5.75	348.09	27/06/2021	13.73	348.54	25/08/2020	23.59	339.03				24/05/2021	11.08	348.07
25/08/2021	5.76	348.08	24/07/2021	13.90	348.37	24/09/2020	24.09	338.53				27/06/2021	11.80	347.35
20/09/2021	5.88	347.96	20/08/2021	14.03	348.24	20/10/2020	24.59	338.03				24/07/2021	12.04	347.11
20/10/2021	6.04	347.796	25/08/2021	14.06	348.21	27/11/2020	24.90	337.72				20/08/2021	12.36	346.79
18/11/2021	6.20	347.64	20/09/2021	14.21	348.06	12/01/2021	25.38	337.24				20/09/2021	12.70	346.45
10/12/2021	6.35	347.49	20/10/2021	14.39	347.875	27/02/2021	23.74	338.88				20/10/2021	13.01	346.138
17/01/2022	6.51	347.33	18/11/2021	14.61	347.66	31/03/2021	20.14	342.48				13/11/2021	13.34	345.81
7/02/2022	4.44	349.40	10/12/2021	14.77	347.50	25/04/2021	18.44	344.18				10/12/2021	13.62	345.53
14/03/2022	3.65	350.19	17/01/2022	14.98	347.29	24/05/2021	17.53	345.09				17/01/2022	13.91	345.24
7/04/2022	3.70	350.14	7/02/2022	10.40	351.87	27/06/2021	17.48	345.14				4/02/2022	11.10	348.05
10/05/2022	3.98	349.86	14/03/2022	10.40	351.87	24/07/2021	17.55	345.07				13/03/2022	7.77	351.38
1/06/2022	4.14	349.70	7/04/2022	10.80	351.47	20/08/2021	17.78	344.84				7/04/2022	8.06	351.09
27/06/2022	4.25	349.59	10/05/2022	11.30	350.97	20/09/2021	18.11	344.51				3/05/2022	8.50	350.65
29/07/2022	4.48	349.36	1/06/2022	20.59	341.68	20/10/2021	18.46	344.156				1/06/2022	9.15	350.00
20/08/2022	4.71	349.13	27/06/2022	11.89	350.38	13/11/2021	18.81	343.81				27/06/2022	9.68	349.47
25/08/2022	4.71	349.13	29/07/2022	12.24	350.03	10/12/2021	19.12	343.50				28/07/2022	10.28	348.87
28/09/2022	4.94	348.90	20/08/2022	12.58	349.69	17/01/2022	19.52	343.10				20/08/2022	10.75	348.40
22/10/2022	5.16	348.68	25/08/2022	12.58	349.69	4/02/2022	16.40	346.22				28/09/2022	11.43	347.72
18/11/2022	5.39	348.45	28/09/2022	12.88	349.39	13/03/2022	13.20	349.42				22/10/2022	11.96	347.19
11/12/2022	5.36	348.48	22/10/2022	13.17	349.10	7/04/2022	13.03	349.59				18/11/2022	12.56	346.59
14/12/2022	5.36	348.48	18/11/2022	13.55	348.72	3/05/2022	13.30	349.32				11/12/2022	12.76	346.39
11/01/2023	4.15	349.69	11/12/2022	13.66	348.61	1/06/2022	13.87	348.75				11/01/2023	11.25	347.90
4/02/2023	3.31	350.53	14/12/2022	13.66	348.61	27/06/2022	14.38	348.24				4/02/2023	9.90	349.25
12/02/2023	3.31	350.53	11/01/2023	11.18	351.09	28/07/2022	14.99	347.63				7/03/2023	4.37	354.78
7/03/2023	1.74	352.10	4/02/2023	10.33	351.94	20/08/2022	15.43	347.19				4/04/2023	3.00	356.15
4/04/2023	1.73	352.11	12/02/2023	10.33	351.94	28/09/2022	16.08	346.54				3/05/2023	2.84	356.31
3/05/2023	1.82	352.02	7/03/2023	6.63	355.64	22/10/2022	16.58	346.04				5/06/2023	4.01	355.14
5/05/2023	1.82	352.02	4/04/2023	6.98	355.29	18/11/2022	16.95	345.67				25/06/2023	4.87	354.28
5/06/2023	2.04	351.80	3/05/2023	7.01	355.26	11/12/2022	17.25	345.37				22/07/2023	5.40	353.75
25/06/2023	2.31	351.53	5/05/2023	7.01	355.26	11/01/2023	15.44	347.18				21/08/2023	6.19	352.96
22/07/2023	2.53	351.31	5/06/2023	7.58	354.69	4/02/2023	14.49	348.13				27/09/2023	7.12	352.03
26/07/2023	2.53	351.31	25/06/2023	7.81	354.46	7/03/2023	10.06	352.56				24/10/2023	7.80	351.35
21/08/2023	2.74	351.10	22/07/2023	8.76	353.51	4/04/2023	8.03	354.59				24/11/2023	8.55	350.60
27/09/2023	3.03	350.81	26/07/2023	8.76	353.51	3/05/2023	7.43	355.19				15/12/2023	9.22	349.93
24/10/2023	3.41	350.43	21/08/2023	9.31	352.96	5/06/2023	8.16	354.46				8/01/2024	9.74	349.41
15/11/2023	3.71	350.13	27/09/2023	9.57	352.70	25/06/2023	8.90	353.72				22/03/2024	2.71	356.44
24/11/2023	3.71	350.13	24/10/2023	10.06	352.21	22/07/2023	9.48	353.14				16/04/2024	2.87	356.28
15/12/2023	4.06	349.78	15/11/2023	10.96	351.31	21/08/2023	10.35	352.27				15/05/2024	2.94	356.21

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB07	SMMB07 mbrp	SMMB07 mAHD	SMMB08	SMMB08 mbrp	SMMB08 mAHD	SMMB09	SMMB09 mbrp	SMMB09 mAHD	SMMB10	SMMB10 mbrp	SMMB10 mAHD	SMMB12	SMMB12 mbrp	SMMB12 mAHD
		353.84			362.27			362.62			343.53			359.15
8/01/2024	4.31	349.53	24/11/2023	10.96	351.31	27/09/2023	10.94	351.68				16/06/2024	4.25	354.90
22/03/2024	0.56	353.28	15/12/2023	11.45	350.82	24/10/2023	11.60	351.02				12/07/2024	5.20	353.95
16/04/2024	0.52	353.32	8/01/2024	11.51	350.76	23/11/2023	12.78	349.84				30/08/2024	6.37	352.78
15/05/2024	0.53	353.31	22/03/2024	5.94	356.33	15/12/2023	13.30	349.32				27/09/2024	6.68	352.47
16/06/2024	1.87	351.97	16/04/2024	6.15	356.12	8/01/2024	13.61	349.01				5/10/2024	8.06	351.09
1/07/2024	2.29	351.55	15/05/2024	6.27	356.00	22/03/2024	6.53	356.09				30/11/2024	8.89	350.26
12/07/2024	2.21	351.63	16/06/2024	7.15	355.12	16/04/2024	6.70	355.92				28/12/2024	9.38	349.77
30/08/2024	2.96	350.88	1/07/2024	7.84	354.43	15/05/2024	6.81	355.81				28/01/2025	9.37	349.78
27/09/2024	3.14	350.70	12/07/2024	7.97	354.30	16/06/2024	8.30	354.32				28/02/2025	8.15	351.00
5/10/2024	3.43	350.41	30/08/2024	9.15	353.12	12/07/2024	9.22	353.40				31/03/2025	8.19	350.96
30/11/2024	3.57	350.27	27/09/2024	9.43	352.84	30/08/2024	10.59	352.03				24/04/2025	9.44	349.71
29/12/2024	4.15	349.69	5/10/2024	10.36	351.91	27/09/2024	11.38	351.24				21/05/2025	9.26	349.89
28/01/2025	3.81	350.03	30/11/2024	13.50	348.77	5/10/2024	11.92	350.70				22/06/2025	9.68	349.47
28/02/2025	3.18	350.66	29/12/2024	11.33	350.94	30/11/2024	12.47	350.15						
27/03/2025	3.20	350.64	28/01/2025	11.34	350.93	28/12/2024	13.47	349.15						
24/04/2025	3.42	350.42	28/02/2025	10.23	352.04	28/01/2025	13.79	348.83						
21/05/2025	3.67	350.17	27/03/2025	10.58	351.69	28/02/2025	12.82	349.80						
16/06/2025	3.78	350.06	24/04/2025	11.08	351.19	31/03/2025	12.94	349.68						
			21/05/2025	11.05	351.22	24/04/2025	13.41	349.21						
			16/06/2025	11.18	351.09	21/05/2025	13.58	349.04						
						22/06/2025	14.04	348.58						

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB13	SMMB13 mbrp	SMMB13 mAHD	SMMB14	SMMB14 mbrp	SMMB14 mAHD	SMMB15	SMMB15 mbrp	SMMB15 mAHD	SMMB16	SMMB16 mbrp	SMMB16 mAHD	SMMB17	SMMB17 mbrp	SMMB17 mAHD
		338.27			**340.30**			**342.72**			**320.95**			**320.53**
25/04/2008	7.08	331.19	25/04/2008	24.00	316.30	25/04/2008	15.34	327.38	25/04/2008	9.97	310.98	25/04/2008	7.98	312.55
10/05/2008	7.70	330.57	10/05/2008	24.40	315.90	10/05/2008	15.56	327.16	10/05/2008	10.49	310.46	10/05/2008	8.62	311.91
4/06/2008	7.88	330.39	4/06/2008	24.04	316.26	4/06/2008	15.93	326.79	4/06/2008	10.67	310.28	4/06/2008	9.11	311.42
14/07/2008	7.57	330.70	14/07/2008	23.66	316.64	14/07/2008	16.26	326.46	14/07/2008	11.14	309.81	14/07/2008	9.58	310.95
2/08/2008	7.58	330.69	2/08/2008	23.45	316.85	2/08/2008	16.06	326.66	2/08/2008	11.34	309.61	2/08/2008	9.70	310.83
19/09/2008	7.73	330.54	19/09/2008	22.77	317.53	19/09/2008	16.41	326.31	19/09/2008	11.49	309.46	19/09/2008	9.86	310.67
18/10/2008	7.79	330.48	18/10/2008	23.52	316.78	18/10/2008	16.51	326.21	18/10/2008	11.77	309.18	18/10/2008	9.97	310.56
24/02/2009	3.33	334.94	24/02/2009	8.25	332.05	24/02/2009	6.57	336.15	24/02/2009	5.57	315.38	24/02/2009	4.13	316.40
7/03/2009	2.64	335.63	7/03/2009	6.66	333.64	7/03/2009	5.41	337.31	7/03/2009	5.25	315.70	7/03/2009	4.17	316.36
2/04/2009	1.92	336.35	2/04/2009	6.15	334.15	2/04/2009	5.14	337.58	2/04/2009	5.06	315.89	2/04/2009	4.69	315.84
3/05/2009	1.74	336.53	3/05/2009	8.69	331.61	3/05/2009	6.17	336.55	3/05/2009	5.26	315.69	3/05/2009	5.60	314.93
1/06/2009	1.75	336.52	1/06/2009	7.26	333.04	1/06/2009	7.41	335.31	1/06/2009	5.56	315.39	1/06/2009	6.33	314.20
1/07/2009	2.04	336.23	1/07/2009	8.33	331.97	1/07/2009	8.73	333.99	1/07/2009	6.01	314.94	1/07/2009	7.08	313.45
26/08/2009	2.73	335.54	26/08/2009	10.22	330.08	26/08/2009	11.16	331.56	26/08/2009	7.00	313.95	26/08/2009	8.01	312.52
26/09/2009	3.18	335.09	26/09/2009	11.26	329.04	26/09/2009	12.16	330.56	26/09/2009	7.53	313.42	26/09/2009	7.41	313.12
19/10/2009	11.94	326.33	19/10/2009	12.76	327.54	19/10/2009	28.35	314.37	19/10/2009	7.94	313.01	19/10/2009	4.56	315.97
9/11/2009	4.02	334.25	9/11/2009	12.65	327.65	9/11/2009	13.39	329.33	9/11/2009	8.43	312.52	9/11/2009	7.22	313.31
8/12/2009	4.49	333.78	8/12/2009	13.08	327.22	8/12/2009	13.91	328.81	8/12/2009	8.75	312.20	8/12/2009	8.40	312.13
17/01/2010	5.06	333.21	17/01/2010	13.97	326.33	17/01/2010	14.64	328.08	17/01/2010	9.50	311.45	17/01/2010	8.81	311.72
9/02/2010	4.97	333.30	9/02/2010	14.57	325.73	9/02/2010	14.93	327.79	9/02/2010	9.90	311.05	9/02/2010	7.53	313.00
7/03/2010	5.29	332.98	7/03/2010	14.70	325.60	7/03/2010	15.15	327.57	7/03/2010	10.12	310.83	7/03/2010	6.89	313.64
3/04/2010	5.58	332.69	3/04/2010	14.56	325.74	3/04/2010	15.23	327.49	3/04/2010	9.91	311.04	3/04/2010	6.31	314.22
1/05/2010	6.04	332.23	1/05/2010	14.86	325.44	1/05/2010	15.39	327.33	1/05/2010	10.11	310.84	1/05/2010	6.35	314.18
3/06/2010	6.54	331.73	3/06/2010	15.20	325.10	3/06/2010	15.64	327.08	3/06/2010	10.48	310.47	3/06/2010	5.88	314.65
1/07/2010	12.42	325.85	1/07/2010	16.07	324.23	1/07/2010	15.90	326.82	1/07/2010	10.75	310.20	1/07/2010	6.84	313.69
21/08/2010	7.14	331.13	21/08/2010	16.07	324.23	21/08/2010	16.01	326.71	21/08/2010	11.28	309.67	21/08/2010	8.92	311.61
20/09/2010	7.04	331.23	20/09/2010	11.28	329.02	20/09/2010	11.98	330.74	20/09/2010	11.57	309.38	20/09/2010	9.06	311.47
16/10/2010	6.74	331.53	16/10/2010	16.19	324.11	16/10/2010	16.31	326.41	16/10/2010	11.85	309.10	16/10/2010	19.31	301.22
13/11/2010	7.03	331.24	13/11/2010	16.57	323.73	13/11/2010	16.34	326.38	13/11/2010	12.02	308.93	13/11/2010	7.84	312.69
11/12/2010	6.92	331.35	11/12/2010	16.69	323.61	11/12/2010	16.35	326.37	11/12/2010	12.11	308.84	11/12/2010	7.79	312.74
13/01/2011	6.79	331.48	13/01/2011	16.91	323.39	13/01/2011	16.41	326.31	13/01/2011	12.19	308.76	13/01/2011	7.72	312.81
4/02/2011	6.57	331.70	4/02/2011	16.95	323.35	4/02/2011	16.33	326.39	4/02/2011	11.88	309.07	4/02/2011	5.54	314.99
10/03/2011	4.27	334.00	15/03/2011	4.05	336.25	15/03/2011	4.87	337.85	15/03/2011	3.00	317.95	15/03/2011	15.05	305.48
2/12/2011	1.45	336.82	4/02/2012	11.01	329.29	2/12/2011	10.36	332.36	27/04/2011	1.05	319.90	27/04/2011	1.77	318.76
4/02/2012	2.78	335.49	8/04/2013	14.55	325.75	4/02/2012	12.55	330.17	20/05/2011	1.20	319.75	20/05/2011	2.42	318.11
29/06/2012	3.42	334.85	2/05/2013	15.08	325.22	29/06/2012	11.10	331.62	6/06/2011	1.46	319.49	6/06/2011	3.32	317.21
25/07/2012	3.63	334.64	14/06/2013	15.61	324.69	8/04/2013	14.43	328.29	18/07/2011	2.53	318.42	18/07/2011	3.85	316.68
8/04/2013	5.40	332.87	17/07/2013	15.51	324.79	2/05/2013	13.99	328.73	1/08/2011	2.81	318.14	1/08/2011	4.01	316.52
2/05/2013	6.00	332.27	24/08/2013	15.53	324.77	14/06/2013	13.73	328.99	15/08/2011	3.09	317.86	14/08/2011	4.08	316.45
14/06/2013	6.29	331.98	11/09/2013	15.75	324.55	17/07/2013	14.52	328.20	17/09/2011	3.80	317.15	17/09/2011	4.41	316.12
17/07/2013	6.63	331.64	7/10/2013	15.84	324.46	11/09/2013	15.48	327.24	14/10/2011	4.40	316.55	14/10/2011	4.89	315.64
24/08/2013	6.94	331.33	11/11/2013	16.16	324.14	7/10/2013	15.59	327.13	8/11/2011	4.83	316.12	8/11/2011	5.40	315.13
11/09/2013	7.08	331.19	18/12/2013	16.37	323.93	11/11/2013	15.89	326.83	2/12/2011	5.19	315.76	2/12/2011	5.78	314.75
11/11/2013	7.10	331.17	6/01/2014	16.55	323.75	18/12/2013	16.06	326.66	2/01/2012	5.75	315.20	2/01/2012	5.84	314.69
18/12/2013	7.06	331.21	2/02/2014	16.33	323.97	6/01/2014	16.20	326.52	4/02/2012	6.48	314.47	31/01/2012	6.23	314.30
6/01/2014	7.12	331.15	9/03/2014	13.19	327.11	2/02/2014	34.17	308.55	3/03/2012	6.53	314.42	3/03/2012	6.01	314.52
2/02/2014	16.96	321.31	24/04/2014	11.44	328.86	9/03/2014	12.88	329.84	4/04/2012	5.45	315.50	4/04/2012	4.39	316.14
9/03/2014	5.69	332.58	5/05/2014	11.40	328.90	24/04/2014	10.34	332.38	26/05/2012	5.31	315.64	26/05/2012	6.50	314.03
24/04/2014	4.79	333.48	9/06/2014	11.60	328.70	5/05/2014	10.36	332.36	29/06/2012	6.75	314.20	29/06/2012	7.20	313.33
5/05/2014	4.66	333.61	1/07/2014	11.90	328.40	9/06/2014	11.03	331.69	25/07/2012	7.11	313.84	25/07/2012	7.34	313.19
9/06/2014	4.41	333.86	1/07/2014	11.90	328.40	1/07/2014	11.55	331.17	17/09/2012	7.96	312.99	23/08/2012	7.90	312.63
1/07/2014	4.35	333.92	1/08/2014	12.39	327.91	1/07/2014	11.55	331.17	11/10/2012	8.90	312.05	17/09/2012	8.30	312.23
1/07/2014	4.35	333.92	29/09/2014	13.28	327.02	1/08/2014	12.27	330.45	11/12/2012	9.15	311.80	11/10/2012	8.18	312.35
1/08/2014	4.42	333.85	31/10/2014	13.88	326.42	29/09/2014	13.43	329.29	8/01/2013	9.30	311.65	11/12/2012	8.73	311.80
29/09/2014	4.85	333.42	24/11/2014	14.16	326.14	31/10/2014	14.20	328.52	28/02/2013	9.03	311.92	8/01/2013	8.63	311.90
31/10/2014	5.31	332.96	12/12/2014	13.46	326.84	24/11/2014	14.58	328.14	9/03/2013	8.91	312.04	9/03/2013	7.41	313.12
24/11/2014	5.64	332.63	26/01/2015	14.71	325.59	12/12/2014	24.88	317.84	8/04/2013	9.20	311.75	8/04/2013	8.00	312.53
12/12/2014	5.90	332.37	25/02/2015	14.89	325.41	26/01/2015	15.33	327.39	2/05/2013	9.66	311.29	2/05/2013	8.91	311.62
26/01/2015	6.11	332.16	17/03/2015	14.98	325.32	25/02/2015	14.81	327.91	14/06/2013	9.92	311.03	14/06/2013	8.87	311.66
25/02/2015	5.92	332.35	4/04/2015	15.02	325.28	17/03/2015	14.49	328.23	17/07/2013	10.21	310.74	17/07/2013	9.41	311.12
17/03/2015	5.72	332.55	18/05/2015	15.00	325.30	4/04/2015	14.12	328.60	24/08/2013	10.63	310.32	24/08/2013	9.73	310.80
4/04/2015	5.73	332.54	10/06/2015	15.05	325.25	18/05/2015	13.93	328.79	11/09/2013	11.19	309.76	11/09/2013	9.86	310.67
18/05/2015	6.15	332.12	19/07/2015	15.23	325.07	10/06/2015	14.14	328.58	7/10/2013	11.37	309.58	7/10/2013	10.47	310.06
10/06/2015	6.36	331.91	15/08/2015	15.36	324.94	19/07/2015	14.67	328.05	11/11/2013	11.44	309.51	11/11/2013	10.32	310.21
19/07/2015	6.70	331.57	27/09/2015	15.67	324.63	15/08/2015	14.96	327.76	18/12/2013	11.81	309.14	18/12/2013	10.24	310.29
15/08/2015	6.96	331.31	31/10/2015	15.91	324.39	27/09/2015	15.39	327.33	6/01/2014	12.03	308.92	6/01/2014	10.40	310.13
27/09/2015	7.08	331.19	30/11/2015	16.13	324.17	31/10/2015	15.61	327.11	2/02/2014	12.60	308.35	2/02/2014	9.56	310.97
31/10/2015	7.29	330.98	26/12/2015	16.29	324.01	30/11/2015	15.80	326.92	9/03/2014	8.85	312.10	9/03/2014	5.81	314.72
30/11/2015	7.10	331.17	31/01/2016	16.54	323.76	26/12/2015	15.92	326.80	24/04/2014	7.59	313.36	24/04/2014	6.32	314.21
26/12/2015	6.80	331.47	8/03/2016	16.66	323.64	31/01/2016	16.12	326.60	5/05/2014	7.57	313.38	5/05/2014	6.60	313.93
31/01/2016	6.72	331.55	26/03/2016	16.71	323.59	8/03/2016	16.21	326.51	9/06/2014	7.65	313.30	9/06/2014	7.28	313.25
8/03/2016	9.66	328.61	21/04/2016	16.79	323.51	26/03/2016	16.23	326.49	1/07/2014	7.84	313.11	1/07/2014	7.72	312.81
26/03/2016	7.10	331.17	17/05/2016	16.27	324.03	21/04/2016	14.47	328.25	1/07/2014	7.84	313.11	1/07/2014	7.72	312.81
21/04/2016	7.13	331.14	16/06/2016	19.98	320.32	17/05/2016	16.19	326.53	1/08/2014	8.20	312.75	1/08/2014	8.19	312.34
17/05/2016	7.00	331.27	11/07/2016	17.07	323.23	16/06/2016	15.85	326.87	29/09/2014	8.90	312.05	29/09/2014	8.93	311.60
16/06/2016	6.66	331.61	12/09/2016	17.27	323.03	11/07/2016	15.60	327.12	31/10/2014	9.45	311.50	31/10/2014	9.36	311.17
11/07/2016		338.27	30/11/2016	17.57	322.73	12/09/2016	15.69	327.03	24/11/2014	9.77	311.18	24/11/2014	9.60	310.93
12/09/2016	6.62	331.65	17/06/2017	3.75	336.55	30/11/2016	16.32	326.40	12/12/2014	10.07	310.88	12/12/2014	9.76	310.77
31/10/2016	3.30	334.97	15/07/2017	4.56	335.74	17/06/2017	3.02	339.70	26/01/2015	10.20	310.75	26/01/2015	8.15	312.38
30/11/2016	6.60	331.67	10/08/2017	5.56	334.74	15/07/2017	4.36	338.36	8/03/2016	8.39	312.56	25/02/2015	7.87	312.66
17/06/2017	0.56	337.71	30/09/2017	7.56	332.74	10/08/2017	5.79	336.93	26/03/2016	7.71	313.24	17/03/2015	7.54	312.99

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB13	SMMB13 mbrp	SMMB13 mAHD	SMMB14	SMMB14 mbrp	SMMB14 mAHD	SMMB15	SMMB15 mbrp	SMMB15 mAHD	SMMB16	SMMB16 mbrp	SMMB16 mAHD	SMMB17	SMMB17 mbrp	SMMB17 mAHD
		338.27			**340.30**			**342.72**			**320.95**			**320.53**
15/07/2017	0.75	337.52	30/10/2017	8.59	331.71	30/09/2017	8.37	334.35	21/04/2016	7.99	312.96	4/04/2015	7.88	312.65
10/08/2017	0.80	337.47	30/11/2017	9.51	330.79	30/10/2017	9.50	333.22	17/05/2016	8.07	312.88	18/05/2015	8.41	312.12
30/09/2017	1.17	337.10	31/12/2017	10.36	329.94	30/11/2017	10.43	332.29	22/05/2016	8.16	312.79	10/06/2015	9.00	311.53
30/10/2017	1.24	337.03	27/01/2018	11.26	329.04	31/12/2017	11.07	331.65	16/06/2016	8.53	312.42	19/07/2015	9.61	310.92
30/11/2017	1.50	336.77	22/02/2018	11.76	328.54	27/01/2018	11.76	330.96	11/07/2016	8.82	312.13	15/08/2015	9.85	310.68
31/12/2017	1.89	336.38	20/03/2018	12.27	328.03	22/02/2018	12.04	330.68	12/09/2016	8.99	311.96	19/08/2015	9.85	310.68
27/01/2018	2.31	335.96	25/04/2018	12.74	327.56	20/03/2018	12.25	330.47	31/10/2016	8.83	312.12	27/09/2015	10.23	310.30
22/02/2018	2.55	335.72	22/05/2018	13.00	327.30	25/04/2018	12.57	330.15	26/11/2016	9.03	311.92	31/10/2015	10.47	310.06
23/03/2018	2.97	335.30	16/06/2018	13.56	326.74	22/05/2018	13.08	329.64	21/12/2016	4.67	316.28	28/11/2015	10.64	309.89
25/04/2018	3.45	334.82	13/07/2018	13.78	326.52	16/06/2018	13.59	329.13	30/01/2017	2.66	318.29	26/12/2015	10.74	309.79
22/05/2018	3.90	334.37	15/08/2018	13.96	326.34	13/07/2018	13.82	328.90	27/03/2017	1.94	319.01	31/01/2016	9.93	310.60
16/06/2018	4.23	334.04	19/09/2018	14.19	326.11	15/08/2018	14.12	328.60	21/04/2017	2.21	318.74	29/02/2016	9.91	310.62
13/07/2018	4.64	333.63	22/10/2018	14.44	325.86	19/09/2018	14.49	328.23	21/05/2017	2.46	318.49	8/03/2016	9.95	310.58
15/08/2018	4.95	333.32	16/11/2018	4.91	335.39	22/10/2018	14.86	327.86	17/06/2017	4.36	316.59	26/03/2016	9.60	310.93
19/09/2018	5.52	332.75	14/12/2018	15.17	325.13	16/11/2018	5.42	337.30	15/07/2017	4.50	316.45	21/04/2016	9.63	310.90
22/10/2018	6.25	332.02	31/05/2019	16.11	324.19	14/12/2018	15.62	327.10	10/08/2017	4.55	316.40	7/05/2016	9.74	310.79
16/11/2018	6.75	331.52	22/10/2019	16.54	323.76	3/03/2019	15.99	326.73	30/09/2017	4.71	316.24	17/05/2016	9.76	310.77
22/10/2019	6.43	331.84	26/05/2020	17.13	323.17	31/05/2019	13.74	328.98	13/07/2018	9.58	311.37	16/06/2016	10.08	310.45
26/05/2020	6.46	331.81	24/09/2020	17.48	322.82	25/09/2019	13.75	328.97	15/08/2018	10.08	310.87	11/07/2016	10.35	310.18
25/08/2020	6.52	331.75	27/11/2020	17.68	322.62	22/10/2019	13.93	328.79	19/09/2018	10.61	310.34	21/08/2016	10.51	310.02
24/09/2020	6.22	332.05	27/02/2021	17.89	322.41	29/02/2020	14.07	328.65	22/10/2018	10.99	309.96	12/09/2016	1.65	318.88
20/10/2020	6.29	331.98	24/05/2021	17.12	323.18	26/05/2020	15.64	327.08	16/11/2018	11.32	309.63	31/10/2016	10.79	309.74
27/11/2020	6.27	332.00	20/08/2021	17.16	323.14	24/09/2020	15.05	327.67	14/12/2018	11.66	309.29	26/11/2016	10.84	309.69
12/01/2021	6.21	332.06	4/02/2022	17.41	322.89	27/11/2020	16.13	326.59	16/12/2018	11.67	309.28	21/12/2016	8.52	312.01
27/02/2021	6.33	331.94	2/05/2022	13.07	327.23	27/02/2021	14.05	328.67	4/02/2019	12.02	308.93	30/01/2017	4.48	316.05
31/03/2021	6.40	331.87	19/08/2022	14.03	326.27	24/05/2021	14.06	328.66	3/03/2019	12.07	308.88	27/02/2017	1.10	319.43
24/05/2021	6.33	331.94	18/11/2022	14.47	325.83	4/02/2022	14.21	328.51	30/03/2019	12.15	308.80	27/03/2017	1.99	318.54
27/06/2021	6.72	331.55	3/02/2023	12.38	327.92	2/05/2022	11.61	331.11	28/04/2019	12.35	308.60	21/04/2017	2.80	317.73
24/07/2021	6.77	331.50	3/05/2023	4.87	335.43	19/08/2022	13.06	329.66	4/07/2019	12.60	308.35	20/05/2017	3.43	317.10
20/10/2021	8.22	330.046	22/07/2023	6.47	333.83	18/11/2022	13.47	329.25	31/07/2019	12.59	308.36	17/06/2017	4.29	316.24
13/11/2021	8.23	330.04	23/10/2023	8.83	331.47	3/02/2023	10.02	332.70	29/08/2019	12.61	308.34	15/07/2017	4.63	315.90
10/12/2021	8.23	330.04	15/05/2024	2.53	337.77	3/05/2023	2.95	339.77	25/09/2019	12.55	308.40	13/08/2017	4.89	315.64
17/01/2022	7.64	330.63	30/08/2024	5.68	334.62	22/07/2023	5.72	337.00	22/10/2019	12.51	308.44	30/09/2017	5.22	315.31
13/02/2022	7.07	331.20	28/02/2025	8.94	331.36	23/10/2023	8.7	334.02	14/12/2019	12.55	308.40	30/10/2017	5.47	315.06
12/03/2022	6.36	331.91	21/05/2025	9.28	331.02	15/05/2024	0.41	342.31	27/12/2019	12.60	308.35	30/11/2017	5.39	315.14
6/04/2022	5.85	332.42				30/08/2024	4.47	338.25	25/01/2020	12.70	308.25	29/12/2017	5.60	314.93
8/05/2022	5.33	332.94				28/02/2025	8.54	334.18	29/02/2020	12.22	308.73	31/12/2017	5.48	315.05
31/05/2022	5.10	333.17				21/05/2025	8.72	334.00	30/03/2020	12.46	308.49	27/01/2018	5.78	314.75
26/06/2022	4.99	333.28							4/04/2020	12.41	308.54	22/02/2018	5.65	314.88
28/07/2022	5.01	333.26							30/04/2020	12.30	308.65	20/03/2018	6.44	314.09
19/08/2022	5.2	333.07							26/05/2020	12.64	308.31	25/04/2018	7.01	313.52
25/08/2022	5.2	333.07							18/06/2020	12.71	308.24	22/05/2018	7.57	312.96
27/09/2022	5.5	332.77							25/08/2020	12.38	308.57	19/06/2018	8.20	312.33
20/10/2022	5.82	332.45							20/09/2020	13.34	307.61	13/07/2018	8.47	312.06
18/11/2022	6.28	331.99							24/09/2020	13.34	307.61	15/08/2018	8.73	311.80
11/12/2022	6.3	331.97							20/10/2020	13.22	307.73	19/09/2018	9.07	311.46
12/01/2023	5.36	332.91							23/11/2020	13.35	307.60	22/10/2018	9.37	311.16
3/02/2023	4.68	333.59							12/01/2021	13.54	307.41	16/11/2018	9.79	310.74
5/02/2023	4.68	333.59							27/02/2021	11.88	309.07	14/12/2018	9.74	310.79
6/03/2023	2.35	335.92							26/03/2021	10.92	310.03	16/12/2018	9.68	310.85
4/04/2023	1.02	337.25							25/04/2021	10.62	310.33	4/02/2019	8.24	312.29
3/05/2023	1.05	337.22							24/05/2021	10.50	310.45	3/03/2019	8.30	312.23
9/05/2023	1.05	337.22							22/06/2021	10.79	310.16	30/03/2019	8.79	311.74
4/06/2023	1.14	337.13							27/06/2021	10.79	310.16	28/04/2019	10.44	310.09
24/06/2023	1.23	337.04							24/07/2021	10.98	309.97	31/05/2019	9.48	311.05
21/07/2023	1.23	337.04							20/08/2021	11.23	309.72	30/06/2019	9.48	311.05
27/07/2023	1.23	337.04							23/08/2021	10.28	310.67	4/07/2019	9.57	310.96
20/08/2023	1.38	336.89							20/09/2021	11.57	309.38	31/07/2019	9.76	310.77
26/09/2023	1.57	336.70							20/10/2021	11.93	309.02	29/08/2019	9.58	310.95
23/10/2023	1.78	336.49							15/11/2021	12.27	308.68	25/09/2019	9.49	311.04
15/11/2023	1.95	336.32							10/12/2021	12.52	308.43	22/10/2019	10.28	310.25
23/11/2023	1.95	336.32							17/01/2022	12.80	308.15	27/12/2019	10.49	310.04
14/12/2023	2.27	336.00							8/02/2022	10.32	310.63	25/01/2020	10.40	310.13
7/01/2024	2.53	335.74							13/03/2022	9.53	311.42	29/02/2020	8.86	311.67
22/03/2024	0.66	337.61							6/04/2022	9.25	311.70	30/03/2020	9.18	311.35
16/04/2024	0.94	337.33							3/05/2022	9.26	311.69	30/04/2020	9.30	311.23
15/05/2024	1.07	337.20							31/05/2022	9.42	311.53	26/05/2020	9.63	310.90
16/06/2024	1.19	337.08							26/06/2022	9.68	311.27	19/06/2020	9.76	310.77
12/07/2024	1.18	337.09							28/07/2022	9.95	311.00	25/08/2020	10.28	310.25
30/08/2024	1.48	336.79							20/08/2022	10.23	310.72	20/09/2020	10.48	310.05
15/09/2024	1.53	336.74							24/08/2022	10.23	310.72	24/09/2020	10.44	310.09
27/09/2024	1.65	336.62							27/09/2022	10.57	310.38	20/10/2020	10.52	310.01
5/10/2024	1.76	336.51							20/10/2022	10.85	310.10	24/11/2020	10.93	309.60
30/11/2024	2.04	336.23							18/11/2022	11.26	309.69	12/01/2021	10.42	310.11
25/12/2024	2.63	335.64							11/12/2022	11.37	309.58	27/02/2021	7.45	313.08
28/01/2025	2.37	335.90							18/12/2022	11.37	309.58	28/03/2021	6.40	314.13
28/02/2025	1.78	336.49							12/01/2023	9.96	310.99	25/04/2021	6.78	313.75

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB13	SMMB13 mbrp	SMMB13 mAHD	SMMB14	SMMB14 mbrp	SMMB14 mAHD	SMMB15	SMMB15 mbrp	SMMB15 mAHD	SMMB16	SMMB16 mbrp	SMMB16 mAHD	SMMB17	SMMB17 mbrp	SMMB17 mAHD
		338.27			**340.30**			**342.72**			**320.95**			**320.53**
22/03/2025	1.98	336.29							3/02/2023	8.69	312.26	24/05/2021	6.59	313.94

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB13	SMMB13 mbrp	SMMB13 mAHD	SMMB14	SMMB14 mbrp	SMMB14 mAHD	SMMB15	SMMB15 mbrp	SMMB15 mAHD	SMMB16	SMMB16 mbrp	SMMB16 mAHD	SMMB17	SMMB17 mbrp	SMMB17 mAHD
		338.27			340.30			342.72			320.95			320.53
24/04/2025	2.06	336.21							8/02/2023	8.69	312.26	23/06/2021	7.68	312.85
22/05/2025	2.41	335.86							6/03/2023	5.44	315.51	27/06/2021	7.68	312.85
22/06/2025	2.54	335.73							4/04/2023	4.14	316.81	24/07/2021	8.41	312.12
									3/05/2023	3.87	317.08	20/08/2021	8.29	312.24
									6/05/2023	3.87	317.08	23/08/2021	8.25	312.28
									4/06/2023	4.05	316.90	20/09/2021	8.95	311.58
									24/06/2023	4.27	316.68	20/10/2021	9.42	311.11
									22/07/2023	4.30	316.65	15/11/2021	9.67	310.86
									29/07/2023	4.30	316.65	10/12/2021	9.80	310.73
									20/08/2023	4.52	316.43	17/01/2022	9.81	310.72
									26/09/2023	5.07	315.88	7/02/2022	5.98	314.55
									23/10/2023	5.45	315.50	13/03/2022	5.53	315.00
									16/11/2023	4.95	316.00	7/04/2022	6.06	314.47
									23/11/2023	4.95	316.00	4/05/2022	6.83	313.70
									14/12/2023	6.39	314.56	31/05/2022	7.46	313.07
									7/01/2024	6.45	314.50	26/06/2022	7.58	312.95
									22/03/2024	1.32	319.63	28/07/2022	7.98	312.55
									16/04/2024	1.42	319.53	20/08/2022	8.29	312.24
									15/05/2024	1.56	319.39	24/08/2022	8.29	312.24
									16/06/2024	2.68	318.27	27/09/2022	8.62	311.91
									21/06/2024	2.48	318.47	20/10/2022	8.91	311.62
									12/07/2024	3.23	317.72	18/11/2022	9.30	311.23
									30/08/2024	3.99	316.96	11/12/2022	8.38	312.15
									15/09/2024	4.15	316.80	13/12/2022	8.38	312.15
									27/09/2024	4.03	316.92	12/01/2023	5.90	314.63
									5/10/2024	4.90	316.05	3/02/2023	4.62	315.91
									30/11/2024	5.59	315.36	8/02/2023	4.62	315.91
									26/12/2024	5.88	315.07	7/03/2023	2.85	317.68
									28/01/2025	5.96	314.99	4/04/2023	3.62	316.91
									28/02/2025	5.26	315.69	1/05/2023	3.52	317.01
									21/03/2025	5.51	315.44	3/05/2023	3.52	317.01
									24/04/2025	5.74	315.21	4/06/2023	4.13	316.40
									23/05/2025	5.60	315.35	25/06/2023	4.36	316.17
									22/06/2025	5.85	315.10	22/07/2023	4.13	316.40
												24/07/2023	4.13	316.40
												20/08/2023	4.48	316.05
												26/09/2023	5.00	315.53
												23/10/2023	5.30	315.23
												16/11/2023	5.38	315.15
												23/11/2023	5.38	315.15
												15/12/2023	6.04	314.49
												7/01/2024	6.38	314.15
												22/03/2024	2.65	317.88
												16/04/2024	2.77	317.76
												15/05/2024	2.88	317.65
												16/06/2024	3.63	316.90
												22/06/2024	3.74	316.79
												12/07/2024	3.98	316.55
												30/08/2024	4.52	316.01
												27/09/2024	4.59	315.94
												5/10/2024	4.70	315.83
												30/11/2024	4.68	315.85
												26/12/2024	5.73	314.80
												28/01/2025	4.67	315.86
												28/02/2025	4.06	316.47
												22/03/2025	4.58	315.95
												24/04/2025	4.50	316.03
												21/05/2025	4.26	316.27
												11/06/2025	3.62	316.91

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB18	SMMB18 mbrp	SMMB18 mAHD	SMMB19	SMMB19 mbrp	SMMB19 mAHD	SMMB20	SMMB20 mbrp	SMMB20 mAHD	SMMB21	SMMB21 mbrp	SMMB21 mAHD	SMMB22	SMMB22 mbrp	SMMB22 mAHD
		364.48			**355.61**			**328.86**			**327.92**			**369.28**
25/04/2008	16.18	348.30	25/04/2008	16.31	339.30	16/11/2008	9.71	319.15	24/02/2009	5.91	322.01	7/02/2009	9.62	359.66
10/05/2008	16.13	348.35	10/05/2008	16.54	339.07	7/02/2009	6.06	322.80	7/03/2009	6.15	321.77	24/02/2009	9.78	359.50
4/06/2008	16.60	347.88	4/06/2008	17.00	338.61	24/02/2009	4.42	324.44	2/04/2009	6.98	320.94	7/03/2009	10.34	358.94
14/07/2008	17.53	346.95	14/07/2008	17.68	337.93	7/03/2009	3.48	325.38	3/05/2009	7.67	320.25	2/04/2009	12.44	356.84
2/08/2008	17.75	346.73	2/08/2008	17.71	337.90	2/04/2009	3.11	325.75	1/06/2009	8.04	319.88	3/05/2009	13.05	356.23
19/09/2008	18.56	345.92	19/09/2008	17.59	338.02	3/05/2009	3.85	325.01	1/07/2009	8.41	319.51	1/06/2009	14.32	354.96
18/10/2008	18.90	345.58	18/10/2008	17.74	337.87	1/06/2009	4.75	324.11	26/08/2009	9.01	318.91	1/07/2009	15.20	354.08
24/02/2009	12.21	352.27	7/02/2009	8.36	347.25	1/07/2009	5.51	323.35	26/09/2009	9.27	318.65	26/08/2009	15.30	353.98
7/03/2009	11.48	353.00	24/02/2009	8.59	347.02	26/08/2009	6.97	321.89	19/10/2009	9.30	318.62	26/09/2009	15.20	354.08
2/04/2009	11.15	353.33	7/03/2009	9.80	345.81	26/09/2009	7.55	321.31	9/11/2009	9.30	318.62	19/10/2009	12.21	357.07
3/05/2009	11.69	352.79	2/04/2009	11.33	344.28	19/10/2009	7.18	321.68	8/12/2009	9.42	318.50	9/11/2009	14.02	355.26
1/06/2009	12.69	351.79	3/05/2009	10.90	344.71	9/11/2009	8.14	320.72	17/01/2010	9.78	318.14	8/12/2009	13.77	355.51
1/07/2009	3.60	360.88	1/06/2009	11.90	343.71	8/12/2009	8.18	320.68	9/02/2010	9.13	318.79	17/01/2010	14.28	355.00
26/08/2009	14.73	349.75	1/07/2009	11.71	343.90	17/01/2010	8.57	320.29	7/03/2010	8.70	319.22	9/02/2010	12.03	357.25
26/09/2009	15.48	349.00	26/08/2009	13.65	341.96	9/02/2010	8.69	320.17	3/04/2010	8.63	319.29	7/03/2010	12.60	356.68
19/10/2009	16.21	348.27	26/09/2009	14.02	341.59	7/03/2010	8.73	320.13	1/05/2010	8.64	319.28	3/04/2010	12.44	356.84
9/11/2009	16.98	347.50	19/10/2009	15.67	339.94	3/04/2010	8.75	320.11	3/06/2010	8.48	319.44	1/05/2010	9.71	359.57
8/12/2009	18.09	346.39	9/11/2009	16.10	339.51	1/05/2010	8.83	320.03	1/07/2010	9.04	318.88	3/06/2010	14.39	354.89
17/01/2010	18.80	345.68	8/12/2009	16.55	339.06	3/06/2010	8.39	320.47	21/08/2010	9.59	318.33	1/07/2010	15.22	354.06
9/02/2010	18.60	345.88	17/01/2010	15.73	339.88	1/07/2010	9.30	319.56	20/09/2010	9.94	317.98	21/08/2010	17.34	351.94
7/03/2010	18.60	345.88	9/02/2010	14.06	341.55	21/08/2010	9.19	319.67	16/10/2010	10.24	317.68	20/09/2010	18.51	350.77
3/04/2010	18.98	345.50	7/03/2010	14.78	340.83	20/09/2010	9.42	319.44	13/11/2010	9.53	318.39	16/10/2010	19.14	350.14
1/05/2010	18.07	346.41	3/04/2010	13.50	342.11	16/10/2010	9.53	319.33	11/12/2010	9.30	318.62	13/11/2010	17.59	351.69
3/06/2010	18.85	345.63	1/05/2010	14.08	341.53	13/11/2010	9.71	319.15	13/01/2011	9.43	318.49	11/12/2010	17.81	351.47
1/07/2010	8.31	356.17	3/06/2010	14.83	340.78	11/12/2010	9.75	319.11	8/02/2011	8.46	319.46	13/01/2011	16.92	352.36
21/08/2010	18.65	345.83	1/07/2010	15.59	340.02	13/01/2011	9.90	318.96	15/03/2011	4.27	323.65	4/02/2011	12.02	357.26
20/09/2010	18.91	345.57	21/08/2010	17.06	338.55	4/02/2011	9.94	318.92	27/04/2011	4.00	323.92	27/04/2011	4.75	364.53
16/10/2010	19.22	345.26	20/09/2010	17.66	337.95	15/03/2011	3.95	324.91	20/05/2011	5.01	322.91	20/05/2011	4.76	364.52
13/11/2010	20.21	344.27	16/10/2010	17.76	337.85	4/02/2012	7.12	321.74	6/06/2011	6.10	321.82	18/07/2011	12.79	356.49
11/12/2010	19.68	344.80	13/11/2010	16.15	339.46	11/11/2013	9.39	319.47	18/07/2011	7.00	320.92	15/08/2011	14.47	354.81
13/01/2011	19.57	344.91	11/12/2010	17.41	338.20	18/12/2013	9.56	319.30	1/08/2011	7.14	320.78	17/09/2011	16.16	353.12
4/02/2011	18.59	345.89	13/01/2011	17.17	338.44	2/02/2014	9.74	319.12	15/08/2011	7.32	320.60	14/10/2011	17.27	352.01
15/03/2011	8.22	356.26	8/02/2011	9.10	346.51	24/04/2014	6.32	322.54	17/09/2011	7.68	320.24	8/11/2011	17.68	351.60
4/02/2012	13.60	350.88	10/03/2011	7.50	348.11	5/05/2014	4.61	324.25	14/10/2011	8.00	319.92	2/12/2011	16.96	352.32
5/05/2014	12.71	351.77	27/04/2011	5.72	349.89	1/08/2014	7.77	321.09	8/11/2011	8.18	319.74	2/01/2012	17.08	352.20
29/09/2014	15.62	348.86	20/05/2011	6.80	348.81	24/11/2014	8.88	319.98	2/12/2011	8.42	319.50	2/02/2012	15.55	353.73
31/10/2014	16.22	348.26	6/06/2011	7.96	347.65	25/02/2015	8.73	320.13	2/01/2012	8.44	319.48	3/03/2012	13.72	355.56
24/11/2014	16.59	347.89	18/07/2011	9.95	345.66	18/05/2015	7.98	320.88	4/02/2012	8.68	319.24	4/04/2012	11.38	357.90
12/12/2014	16.84	347.64	1/08/2011	10.60	345.01	30/11/2015	9.03	319.83	3/03/2012	8.24	319.68	2/06/2012	14.00	355.28
26/01/2015	16.96	347.52	15/08/2011	11.27	344.34	8/03/2016	9.18	319.68	4/04/2012	7.62	320.30	29/06/2012	16.74	352.54
26/01/2015	16.96	347.52	17/09/2011	12.27	343.34	12/09/2016	9.56	319.30	26/05/2012	8.43	319.49	25/07/2012	17.80	351.48
25/02/2015	16.30	348.18	14/10/2011	12.76	342.85	30/11/2016	9.92	318.94	29/06/2012	8.80	319.12	23/08/2012	18.53	350.75
17/03/2015	15.60	348.88	8/11/2011	12.01	343.60	30/10/2017	5.72	323.14	25/07/2012	8.80	319.12	17/09/2012	17.55	351.73
18/05/2015	15.27	349.21	2/12/2011	12.03	343.58	30/11/2017	6.24	322.62	23/08/2012	9.18	318.74	11/10/2012	16.43	352.85
10/06/2015	15.56	348.92	2/01/2012	13.29	342.32	22/02/2018	7.24	321.62	17/09/2012	9.54	318.38	11/12/2012	14.81	354.47
19/07/2015	16.24	348.24	4/02/2012	15.49	340.12	22/05/2018	7.66	321.20	11/10/2012	9.70	318.22	8/01/2013	10.36	358.92
15/08/2015	16.81	347.67	3/03/2012	11.54	344.07	13/07/2018	8.19	320.67	11/12/2012	10.56	317.36	28/02/2013	12.10	357.18
27/09/2015	17.43	347.05	4/04/2012	12.53	343.08	22/10/2018	8.71	320.15	8/01/2013	10.07	317.85	9/03/2013	11.95	357.33
31/10/2015	17.90	346.58	26/05/2012	14.33	341.28	16/11/2018	9.14	319.72	28/02/2013	7.62	320.30	8/04/2013	11.90	357.38
30/11/2015	17.12	347.36	29/06/2012	19.73	335.88	3/03/2019	9.40	319.46	9/03/2013	9.04	318.88	1/08/2014	22.23	347.05
26/12/2015	18.55	345.93	25/07/2012	12.15	343.46	25/09/2019	7.01	321.85	8/04/2013	9.32	318.60	29/09/2014	24.77	344.51
31/01/2016	18.29	346.19	23/08/2012	15.90	339.71	29/02/2020	8.66	320.20	2/05/2013	9.80	318.12	31/10/2014	24.85	344.43
8/03/2016	18.22	346.26	17/09/2012	16.65	338.96	26/05/2020	8.11	320.75	14/06/2013	10.40	317.52	24/11/2014	25.49	343.79
26/03/2016	17.96	346.52	11/10/2012	16.63	338.98	25/08/2020	9.02	319.84	17/07/2013	10.81	317.11	12/12/2014	24.95	344.33
25/04/2016	17.84	346.64	11/12/2012	18.00	337.61	24/09/2020	9.18	319.68	11/09/2013	11.57	316.35	26/01/2015	18.56	350.72
10/05/2016	17.84	346.64	8/01/2013	16.11	339.50	20/10/2020	9.32	319.54	7/10/2013	11.77	316.15	8/03/2016	17.42	351.86
18/05/2016	17.88	346.60	28/02/2013	15.59	340.02	23/11/2020	9.48	319.38	11/11/2013	12.95	314.97	26/03/2016	16.40	352.88
16/06/2016	18.12	346.36	9/03/2013	13.99	341.62	12/01/2021	9.71	319.15	18/12/2013	12.22	315.70	25/04/2016	16.42	352.86
11/07/2016	18.44	346.04	8/04/2013	15.44	340.17	27/02/2021	8.82	320.04	2/02/2014	11.17	316.75	18/05/2016	16.95	352.33
12/09/2016	19.05	345.43	2/05/2013	16.10	339.51	26/03/2021	8.23	320.63	24/04/2014	8.45	319.47	16/06/2016	18.52	350.76
31/10/2016	19.42	345.06	14/06/2013	16.93	338.68	25/04/2021	7.80	321.06	5/05/2014	8.60	319.32	11/07/2016	18.55	350.73
30/11/2016	19.50	344.98	17/07/2013	17.16	338.45	24/05/2021	7.79	321.07	9/06/2014	9.17	318.75	12/09/2016	21.20	348.08
21/12/2016	19.33	345.15	24/08/2013	18.14	337.47	22/06/2021	8.07	320.79	1/07/2014	9.64	318.28	31/10/2016	23.15	346.13
30/01/2017	16.22	348.26	11/09/2013	18.70	336.91	27/06/2021	8.07	320.79	1/07/2014	9.64	318.28	30/11/2016	24.05	345.23
27/03/2017	2.28	362.20	7/10/2013	16.32	339.29	24/07/2021	8.27	320.59	1/08/2014	10.17	317.75	21/12/2016	22.90	346.38
21/04/2017	2.90	361.58	11/11/2013	19.16	336.45	20/08/2021	8.53	320.33	29/09/2014	10.99	316.93	30/01/2017	20.15	349.13
24/05/2017	4.59	359.89	18/12/2013	19.21	336.40	23/08/2021	8.40	320.46	31/10/2014	11.41	316.51	27/03/2017	11.49	357.79
14/06/2017	5.67	358.81	6/01/2014	18.72	336.89	20/09/2021	8.78	320.08	24/11/2014	11.67	316.25	21/04/2017	11.45	357.83
15/07/2017	7.00	357.48	2/02/2014	15.75	339.86	20/10/2021	9.02	319.84	12/12/2014	11.78	316.14	24/05/2017	13.20	356.08
4/09/2017	9.05	355.43	9/03/2014	12.07	343.54	15/11/2021	9.21	319.65	26/01/2015	10.40	317.52	17/06/2017	14.17	355.11
30/09/2017	10.15	354.33	24/04/2014	4.37	351.24	10/12/2021	9.38	319.48	25/02/2015	9.83	318.09	15/07/2017	14.24	355.04
30/10/2017	10.86	353.62	5/05/2014	14.95	340.66	17/01/2022	9.55	319.31	17/03/2015	9.42	318.50	10/08/2017	15.11	354.17
30/11/2017	11.85	352.63	9/06/2014	15.55	340.06	8/02/2022	8.49	320.37	4/04/2015	9.58	318.34	30/09/2017	16.50	352.78
31/12/2017	12.68	351.80	1/07/2014	16.19	339.42	13/03/2022	6.74	322.12	18/05/2015	10.52	317.40	13/07/2018	20.22	349.06
27/01/2018	13.90	350.58	1/07/2014	16.19	339.42	7/04/2022	6.54	322.32	10/06/2015	10.95	316.97	15/08/2018	20.70	348.58
22/02/2018	14.08	350.40	1/08/2014	16.93	338.68	3/05/2022	6.67	322.19	19/07/2015	11.81	316.11	19/09/2018	20.98	348.30
20/03/2018	14.39	350.09	29/09/2014	18.06	337.55	31/05/2022	6.95	321.91	15/08/2015	11.89	316.03	22/10/2018	21.80	347.48
25/04/2018	15.04	349.44	31/10/2014	18.73	336.88	26/06/2022	7.24	321.62	27/09/2015	12.23	315.69	16/11/2018	22.36	346.92
22/05/2018	15.29	349.19	24/11/2014	19.18	336.43	28/07/2022	7.40	321.46	31/10/2015	12.46	315.46	14/12/2018	23.34	345.94
16/06/2018	15.67	348.81	12/12/2014	27.58	328.03	20/08/2022	7.46	321.40	30/11/2015	12.60	315.32	4/02/2019	14.62	354.66
13/07/2018	16.30	348.18	26/01/2015	15.68	339.93	24/08/2022	7.46	321.40	26/12/2015	12.67	315.25	3/03/2019	15.07	354.21

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB18	SMMB18 mbrp	SMMB18 mAHD	SMMB19	SMMB19 mbrp	SMMB19 mAHD	SMMB20	SMMB20 mbrp	SMMB20 mAHD	SMMB21	SMMB21 mbrp	SMMB21 mAHD	SMMB22	SMMB22 mbrp	SMMB22 mAHD
		364.48			**355.61**			**328.86**			**327.92**			**369.28**
15/08/2018	16.80	347.68	25/02/2015	16.35	339.26	27/09/2022	7.50	321.36	31/01/2016	11.65	316.27	30/03/2019	12.63	356.65
19/09/2018	17.38	347.10	17/03/2015	14.99	340.62	20/10/2022	7.51	321.35	8/03/2016	11.24	316.68	28/04/2019	11.00	358.28
22/10/2018	17.67	346.81	4/04/2015	15.96	339.65	18/11/2022	7.52	321.34	26/03/2016	10.86	317.06	24/07/2021	19.71	349.57
16/11/2018	18.52	345.96	18/05/2015	17.42	338.19	11/12/2022	7.39	321.47	25/04/2016	10.45	317.47	20/08/2021	20.22	349.06
14/12/2018	18.77	345.71	10/06/2015	17.79	337.82	18/12/2022	7.39	321.47	18/05/2016	10.65	317.27	20/09/2021	20.75	348.53
4/02/2019	18.06	346.42	19/07/2015	18.11	337.50	12/01/2023	6.87	321.99	16/06/2016	11.15	316.77	20/10/2021	21.56	347.72
3/03/2019	17.71	346.77	15/08/2015	17.75	337.86	3/02/2023	5.69	323.17	11/07/2016	11.52	316.40	11/12/2021	No access	
30/03/2019	17.24	347.24	19/08/2015	17.95	337.66	9/02/2023	5.69	323.17	12/09/2016	11.68	316.24	4/02/2022	No access	
28/04/2019	17.00	347.48	27/09/2015	18.93	336.68	6/03/2023	2.47	326.39	31/10/2016	12.15	315.77	29/06/2022	No access	
31/05/2019	16.33	348.15	31/10/2015	18.93	336.68	4/04/2023	0.61	328.25	30/11/2016	12.43	315.49	29/07/2022		Dry
30/06/2019	16.01	348.47	27/11/2015	18.98	336.63	3/05/2023	0.91	327.95	21/12/2016	11.32	316.60	20/08/2022		Dry
31/07/2019	16.23	348.25	26/12/2015	18.61	337.00	6/05/2023	0.91	327.95	30/01/2017	8.16	319.76	23/10/2022	13.36	355.92
29/08/2019	16.30	348.18	31/01/2016	15.52	340.09	4/06/2023	1.44	327.42	21/04/2017	5.16	322.76	18/11/2022	13.50	355.78
25/09/2019	15.99	348.49	8/03/2016	16.23	339.38	24/06/2023	1.82	327.04	24/05/2017	6.15	321.77	5/02/2023	11.64	357.64
22/10/2019	16.80	347.68	9/03/2016	16.19	339.42	22/07/2023	2.41	326.45	17/06/2017	7.05	320.87	8/03/2023	10.84	358.44
27/12/2019	18.32	346.16	26/03/2016	15.31	340.30	29/07/2023	2.41	326.45	15/07/2017	7.41	320.51	21/08/2023	4.57	364.72
25/01/2020	18.40	346.08	25/04/2016	16.01	339.60	20/08/2023	2.97	325.89	10/08/2017	7.79	320.13	27/09/2023	5.10	364.19
29/02/2020	16.70	347.78	10/05/2016	15.97	339.64	26/09/2023	3.77	325.09	30/09/2017	8.25	319.67	24/10/2023	4.90	364.39
30/03/2020	16.96	347.52	18/05/2016	16.07	339.54	23/10/2023	4.30	324.56	30/10/2017	12.53	315.39	16/06/2024	2.35	366.94
30/04/2020	17.12	347.36	16/06/2016	14.75	340.86	16/11/2023	4.73	324.13	30/11/2017	8.19	319.73	12/07/2024	4.08	365.21
26/05/2020	17.34	347.14	11/07/2016	14.15	341.46	23/11/2023	4.73	324.13	31/12/2017	8.25	319.67	30/08/2024	3.77	365.52
25/06/2020	17.76	346.72	21/08/2016	16.58	339.03	14/12/2023	5.04	323.82	27/01/2018	8.34	319.58	27/09/2024	3.69	365.60
25/08/2020	18.55	345.93	12/09/2016	17.35	338.26	7/01/2024	5.15	323.71	22/02/2018	8.38	319.54	30/11/2024	2.40	366.89
24/09/2020	18.82	345.66	31/10/2016	18.46	337.15	30/08/2024	1.77	327.08	20/03/2018	9.02	318.90	28/12/2024	2.50	366.79
20/10/2020	19.06	345.42	1/12/2016	18.85	336.76	27/09/2024	1.79	327.06	25/04/2018	9.26	318.66	28/01/2025	2.56	366.73
27/11/2020	19.38	345.10	21/12/2016	15.83	339.78	24/04/2025	3.31	325.54	22/05/2018	9.55	318.37	28/02/2025	2.56	366.73
12/01/2021	19.58	344.90	30/01/2017	9.97	345.64				16/06/2018	9.76	318.16	31/03/2025	2.56	366.73
27/02/2021	17.30	347.18	26/03/2017	4.28	351.33				13/07/2018	10.29	317.63	24/04/2025	3.01	366.28
31/03/2021	15.32	349.16	21/04/2017	6.19	349.42				15/08/2018	10.43	317.49	21/05/2025	3.42	365.87
25/04/2021	14.32	350.16	21/05/2017	9.23	346.38				19/09/2018	10.74	317.18	22/06/2025	3.91	365.38
24/05/2021	14.00	350.48	17/06/2017	11.25	344.36				22/10/2018	11.11	316.81			
24/07/2021	14.26	350.22	15/07/2017	12.60	343.01				16/11/2018	11.62	316.30			
20/08/2021	14.59	349.89	4/09/2017	13.70	341.91				4/02/2019	10.28	317.64			
20/09/2021	15.00	349.48	30/09/2017	14.28	341.33				3/03/2019	10.31	317.61			
20/10/2021	15.34	349.14	30/10/2017	14.46	341.15				30/03/2019	10.72	317.20			
13/11/2021	15.70	348.78	30/11/2017	13.46	342.15				28/04/2019	11.24	316.68			
10/12/2021	16.09	348.39	31/12/2017	14.85	340.76				31/07/2019	11.53	316.39			
17/01/2022	16.51	347.97	25/01/2018	14.98	340.63				29/08/2019	11.58	316.34			
4/02/2022	14.07	350.41	22/02/2018	14.98	340.63				25/09/2019	11.67	316.25			
13/03/2022	10.60	353.88	23/03/2018	15.19	340.42				22/10/2019	11.77	316.15			
7/04/2022	10.41	354.07	25/04/2018	15.59	340.02				27/12/2019	12.34	315.58			
3/05/2022	10.72	353.76	22/05/2018	15.86	339.75				25/01/2020	11.17	316.75			
1/06/2022	11.39	353.09	16/06/2018	16.27	339.34				29/02/2020	9.78	318.14			
27/06/2022	11.98	352.50	13/07/2018	16.63	338.98				30/03/2020	10.17	317.75			
28/07/2022	12.74	351.74	15/08/2018	16.79	338.82				30/04/2020	10.68	317.24			
20/08/2022	13.29	351.19	19/09/2018	16.86	338.75				26/05/2020	10.99	316.93			
28/09/2022	13.97	350.51	22/10/2018	16.99	338.62				25/06/2020	11.25	316.67			
22/10/2022	14.38	350.10	16/11/2018	14.29	341.32				25/08/2020	13.45	314.47			
18/11/2022	14.73	349.75	19/12/2018	16.24	339.37				24/09/2020	13.42	314.50			
11/12/2022	15.11	349.37	4/02/2019	11.28	344.33				20/10/2020	12.11	315.81			
11/01/2023	14.10	350.38	3/03/2019	13.18	342.43				27/11/2020	12.43	315.49			
4/02/2023	12.64	351.84	30/03/2019	15.53	340.08				12/01/2021	11.76	316.16			
7/03/2023	5.78	358.70	28/04/2019	16.08	339.53				27/02/2021	8.54	319.38			
4/04/2023	3.44	361.04	31/05/2019	16.60	339.01				31/03/2021	8.07	319.85			
3/05/2023	3.41	361.07	30/06/2019	16.99	338.62				25/04/2021	8.36	319.56			
5/06/2023	4.98	359.50	31/07/2019	17.58	338.03				24/05/2021	8.68	319.24			
25/06/2023	5.90	358.58	29/08/2019	17.79	337.82				27/06/2021	9.10	318.82			
22/07/2023	6.51	357.97	25/09/2019	18.36	337.25				24/07/2021	9.55	318.37			
21/08/2023	7.48	357.00	22/10/2019	18.97	336.64				20/08/2021	10.03	317.89			
27/09/2023	8.56	355.92	27/12/2019	19.57	336.04				20/09/2021	9.78	318.14			
24/10/2023	9.47	355.01	29/02/2020	15.22	340.39				20/10/2021	10.47	317.45			
23/11/2023	10.55	353.93	30/03/2020	16.52	339.09				13/11/2021	10.68	317.24			
15/12/2023	11.41	353.07	30/04/2020	16.67	338.94				11/12/2021	10.55	317.37			
8/01/2024	12.02	352.46	26/05/2020	17.03	338.58				17/01/2022	10.10	317.82			
22/03/2024	3.79	360.69	25/06/2020	17.54	338.07				4/02/2022	7.34	320.58			
16/04/2024	3.91	360.57	24/07/2021	16.85	338.76				14/03/2022	7.37	320.55			
15/05/2024	3.95	360.53	20/08/2021	17.28	338.33				8/04/2022	7.89	320.03			
16/06/2024	5.29	359.19	20/09/2021	16.99	338.62				3/05/2022	8.34	319.58			
12/07/2024	6.31	358.17	20/10/2021	16.89	338.72				1/06/2022	8.94	318.98			
30/08/2024	8.46	356.02	13/11/2021	17.49	338.12				29/06/2022	9.57	318.35			
27/09/2024	9.15	355.33	10/12/2021	18.44	337.17				29/07/2022	9.99	317.93			
5/10/2024	9.93	354.55	17/01/2022	18.72	336.89				21/08/2022	9.98	317.94			
30/11/2024	11.41	353.07	4/02/2022	6.67	348.94				28/09/2022	10.49	317.43			
28/12/2024	12.29	352.19	13/03/2022	10.89	344.72				23/10/2022	10.86	317.06			
28/01/2025	12.50	351.98	7/04/2022	12.54	343.07				19/11/2022	11.26	316.66			
28/02/2025	11.70	352.78	3/05/2022	13.59	342.02				12/12/2022	10.12	317.80			
31/03/2025	11.81	352.67	1/06/2022	14.41	341.20				10/01/2023	8.55	319.37			

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB18	SMMB18 mbrp	SMMB18 mAHD	SMMB19	SMMB19 mbrp	SMMB19 mAHD	SMMB20	SMMB20 mbrp	SMMB20 mAHD	SMMB21	SMMB21 mbrp	SMMB21 mAHD	SMMB22	SMMB22 mbrp	SMMB22 mAHD
		364.48			355.61			328.86			327.92			369.28
24/04/2025	11.89	352.59	27/06/2022	14.75	340.86				5/02/2023	7.37	320.55			
21/05/2025	12.23	352.25	22/07/2023	4.82	350.79				8/03/2023	4.94	322.98			
22/06/2025	12.74	351.74	21/08/2023	5.32	350.29				5/04/2023	5.25	322.67			
			26/09/2023	6.50	349.11				4/05/2023	5.88	322.04			
			23/10/2023	7.93	347.68				6/06/2023	6.42	321.50			
			23/11/2023	8.47	347.14				25/06/2023	6.71	321.21			
			15/12/2023	9.47	346.14				23/07/2023	6.85	321.07			
			8/01/2024	9.80	345.81				22/08/2023	7.14	320.78			
			22/03/2024	3.79	351.82				27/09/2023	7.60	320.32			
			16/04/2024	3.88	351.73				24/10/2023	7.88	320.04			
			15/05/2024	3.89	351.72				24/11/2023	7.73	320.19			
			16/06/2024	3.59	352.02				16/12/2023	8.12	319.80			
			12/07/2024	3.54	352.07				9/01/2024	8.19	319.73			
			30/08/2024	3.99	351.62				22/03/2024	4.44	323.48			
			27/09/2024	3.92	351.69				16/04/2024	4.56	323.36			
			5/10/2024	3.80	351.81				15/05/2024	4.71	323.21			
			30/11/2024	3.66	351.95				16/06/2024	5.61	322.31			
			28/12/2024	3.44	352.17				12/07/2024	6.37	321.44			
			28/01/2025	3.41	352.20				30/08/2024	7.32	320.49			
			28/02/2025	3.74	351.87				27/09/2024	7.38	320.43			
			31/03/2025	3.76	351.85				5/10/2024	7.43	320.38			
			24/04/2025	4.09	351.52				30/11/2024	7.53	320.28			
			21/05/2025	3.36	352.25				28/12/2024	7.54	320.27			
			22/06/2025	3.24	352.37				28/01/2025	7.50	320.31			
									28/02/2025	6.59	321.22			
									31/03/2025	6.61	321.20			
									24/04/2025	7.07	320.74			
									21/05/2025	7.41	320.40			
									22/06/2025	7.26	320.55			

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB23	SMMB23 mbrp	SMMB23 mAHD	SMMB26	SMMB26 mbrp	SMMB26 mAHD	SMMB27	SMMB27 mbrp	SMMB27 mAHD	SMMB28	SMMB28 mbrp	SMMB28 mAHD	SMMB29	SMMB29 mbrp	SMMB29 mAHD
		372.70			**370.04**			**349.93**			**323.55**			**318.12**
7/02/2009	14.87	357.83	7/02/2009	17.43	352.61	26/09/2009	4.66	345.27	9/11/2009	15.99	307.56	9/11/2009	10.83	307.29
24/02/2009	13.06	359.64	24/02/2009	4.69	365.35	19/10/2009	4.90	345.03	8/12/2009	15.34	308.21	8/12/2009	10.95	307.17
7/03/2009	13.09	359.61	7/03/2009	6.41	363.63	9/11/2009	5.07	344.86	17/01/2010	15.80	307.75	17/01/2010	11.16	306.96
2/04/2009	14.55	358.15	2/04/2009	8.45	361.59	8/12/2009	5.32	344.61	9/02/2010	15.60	307.95	9/02/2010	10.68	307.44
3/05/2009	15.98	356.72	3/05/2009	9.60	360.44	17/01/2010	5.54	344.39	7/03/2010	15.29	308.26	7/03/2010	10.36	307.76
1/06/2009	14.99	357.71	1/06/2009	10.60	359.44	9/02/2010	5.38	344.55	3/04/2010	15.15	308.40	3/04/2010	10.23	307.89
1/07/2009	17.13	355.57	1/07/2009	11.43	358.61	7/03/2010	5.54	344.39	1/05/2010	15.26	308.29	1/05/2010	10.32	307.80
26/08/2009	15.41	357.29	26/08/2009	13.42	356.62	3/04/2010	5.66	344.27	3/06/2010	15.50	308.05	3/06/2010	10.30	307.82
26/09/2009	16.55	356.15	26/09/2009	13.80	356.24	1/05/2010	5.99	343.94	1/07/2010	15.68	307.87	1/07/2010	10.50	307.62
19/10/2009	11.40	361.30	26/09/2009	6.07	363.97	3/06/2010	6.37	343.56	21/08/2010	16.36	307.19	21/08/2010	10.19	307.93
9/11/2009	13.62	359.08	19/10/2009	12.92	357.12	1/07/2010	6.36	343.57	20/09/2010	16.58	306.97	20/09/2010	11.52	306.60
8/12/2009	13.04	359.66	9/11/2009	13.47	356.57	21/08/2010	6.42	343.51	16/10/2010	16.77	306.78	13/11/2010	11.51	306.61
17/01/2010	15.62	357.08	8/12/2009	13.06	356.98	20/09/2010	6.52	343.41	14/11/2010	16.69	306.86	11/12/2010	11.48	306.64
9/02/2010	15.40	357.30	17/01/2010	9.94	360.10	16/10/2010	6.57	343.36	11/12/2010	16.61	306.94	13/01/2011	11.40	306.72
7/03/2010	15.13	357.57	9/02/2010	8.95	361.09	13/11/2010	6.68	343.25	13/01/2011	16.63	306.92	4/02/2011	10.55	307.57
3/04/2010	15.20	357.50	7/03/2010	10.25	359.79	11/12/2010	6.70	343.23	4/02/2011	16.19	307.36	2/12/2011	8.13	309.99
1/05/2010	15.57	357.13	3/04/2010	11.02	359.02	13/01/2011	6.79	343.14	2/12/2011	11.97	311.58	4/02/2012	8.58	309.54
3/06/2010	16.15	356.55	1/05/2010	12.02	358.02	4/02/2011	6.54	343.39	4/02/2012	12.80	310.75	3/03/2012	7.70	310.42
1/07/2010	17.49	355.21	3/06/2010	12.90	357.14	10/03/2011	3.66	346.27	3/03/2012	12.85	310.70	4/04/2012	7.40	310.72
21/08/2010	18.91	353.79	1/07/2010	13.78	356.26	4/02/2012	4.20	345.73	4/04/2012	11.97	311.58	2/06/2012	8.31	309.81
20/09/2010	20.08	352.62	21/08/2010	14.75	355.29	8/04/2013	5.48	344.45	26/05/2012	12.23	311.32	29/06/2012	8.85	309.27
16/10/2010	21.29	351.41	20/09/2010	15.24	354.80	2/05/2013	6.11	343.82	29/06/2012	12.98	310.57	25/07/2012	9.18	308.94
13/11/2010	23.20	349.50	16/10/2010	12.67	357.37	14/06/2013	6.84	343.09	25/07/2012	2.46	321.09	23/08/2012	8.45	309.67
11/12/2010	23.52	349.18	13/11/2010	13.64	356.40	17/07/2013	5.33	344.60	23/08/2012	13.84	309.71	17/09/2012	9.84	308.28
13/01/2011	23.43	349.27	11/12/2010	14.63	355.41	24/08/2013	6.08	343.85	17/09/2012	14.16	309.39	11/10/2012	9.97	308.15
4/02/2011	23.37	349.33	13/01/2011	13.48	356.56	11/09/2013	7.89	342.04	11/10/2012	14.47	309.08	11/12/2012	10.68	307.44
16/03/2011	10.11	362.59	4/02/2011	9.41	360.63	7/10/2013	7.94	341.99	11/12/2012	15.18	308.37	8/01/2013	10.19	307.93
27/04/2011	8.83	363.87	4/02/2012	16.11	353.93	11/11/2013	6.47	343.46	8/01/2013	14.95	308.60	8/04/2013	10.05	308.07
20/05/2011	9.52	363.18	2/02/2014	11.70	358.34	18/12/2013	6.55	343.38	8/04/2013	14.88	308.67	2/05/2013	10.61	307.51
6/06/2011	10.08	362.62	5/05/2014	13.11	356.93	6/01/2014	6.58	343.35	2/05/2013	15.22	308.33	14/06/2013	10.96	307.16
18/07/2011	11.43	361.27	1/08/2014	18.37	351.67	2/02/2014	6.28	343.65	14/06/2013	15.71	307.84	17/07/2013	11.18	306.94
1/08/2011	11.98	360.72	29/09/2014	19.75	350.29	24/04/2014	3.05	346.88	17/07/2013	15.98	307.57	24/08/2013	11.50	306.62
15/08/2011	12.64	360.06	31/10/2014	20.42	349.62	5/05/2014	3.58	346.35	24/08/2013	16.33	307.22	11/09/2013	11.69	306.43
17/09/2011	14.63	358.07	26/01/2015	13.51	356.53	9/06/2014	3.86	346.07	11/09/2013	16.52	307.03	7/10/2013	4.89	313.23
14/10/2011	15.33	357.37	8/03/2016	15.34	354.70	1/08/2014	4.32	345.61	7/10/2013	16.67	306.88	11/11/2013	12.09	306.03
8/11/2011	16.09	356.61	26/03/2016	14.28	355.76	24/11/2014	5.25	344.68	11/11/2013	16.94	306.61	18/12/2013	12.29	305.83
2/12/2011	16.09	356.61	25/04/2016	14.51	355.53	25/02/2015	4.42	345.51	18/12/2013	17.81	305.74	2/02/2014	11.53	306.59
2/01/2012	16.02	356.68	18/05/2016	14.97	355.07	18/05/2015	4.56	345.37	2/02/2014	16.80	306.75	24/04/2014	8.69	309.43
2/02/2012	14.96	357.74	12/09/2016	17.52	352.52	19/07/2015	4.89	345.04	24/04/2014	13.28	310.27	5/05/2014	8.84	309.28
3/03/2012	14.48	358.22	31/10/2016	19.02	351.02	15/08/2015	4.90	345.03	5/05/2014	13.37	310.18	1/08/2014	10.07	308.05
4/04/2012	11.17	361.53	30/11/2016	19.82	350.22	27/09/2015	4.89	345.04	9/06/2014	13.85	309.70	24/11/2014	11.37	306.75
2/06/2012	13.92	358.78	21/04/2017	8.39	361.65	30/11/2015	5.41	344.52	1/08/2014	14.53	309.02	25/02/2015	9.99	308.13
29/06/2012	15.12	357.58	24/05/2017	9.21	360.83	8/03/2016	5.32	344.61	24/11/2014	15.93	307.62	4/03/2015	7.41	310.71
25/07/2012	15.20	357.50	17/06/2017	11.76	358.28	25/02/2015	4.42	345.51	25/02/2015	14.92	308.63	18/05/2015	6.98	311.14
23/08/2012	17.80	354.90	15/07/2017	12.40	357.64	18/05/2015	4.56	345.37	18/05/2015	15.38	308.17	21/08/2015	9.35	308.77
17/09/2012	15.56	357.14	10/08/2017	12.88	357.16	19/07/2015	4.89	345.04	21/08/2015	16.54	307.01	30/11/2015	12.36	305.76
11/10/2012	15.10	357.60	30/09/2017	13.35	356.69	15/08/2015	4.90	345.03	30/11/2015	17.44	306.11	8/03/2016	12.81	305.31
11/12/2012	14.40	358.30	13/07/2018	15.14	354.90	27/09/2015	4.89	345.04	4/03/2016	17.35	306.20	9/03/2016	12.81	305.31
8/01/2013	10.30	362.40	15/08/2018	15.75	354.29	30/11/2015	5.41	344.52	8/03/2016	17.36	306.19	8/05/2016	12.82	305.30
28/02/2013	10.48	362.22	19/09/2018	16.10	353.94	8/03/2016	5.32	344.61	7/05/2016	17.32	306.23	18/05/2016	12.86	305.26
9/03/2013	10.64	362.06	22/10/2018	16.80	353.24	18/05/2016	5.97	343.96	17/05/2016	17.35	306.20	22/08/2016	13.44	304.68
8/04/2013	11.01	361.69	16/11/2018	17.26	352.78	12/09/2016	6.10	343.83	22/08/2016	17.89	305.66	12/09/2016	13.52	304.60
2/02/2014	19.92	352.78	14/12/2018	17.85	352.19	30/11/2016	6.19	343.74	12/09/2016	17.98	305.57	28/11/2016	13.77	304.35
24/04/2014	18.60	354.10	25/08/2020	18.82	351.22	17/06/2017	1.19	348.74	28/11/2016	18.22	305.33	20/03/2017	5.86	312.26
5/05/2014	18.99	353.71	24/09/2020	19.21	350.83	4/09/2017	2.30	347.63	20/03/2017	6.96	316.59	22/05/2017	7.43	310.69
9/06/2014	20.04	352.66	20/10/2020	19.19	350.85	30/10/2017	2.20	347.73	22/05/2017	9.28	314.27	15/08/2017	8.14	309.98
1/07/2014	19.49	353.21	27/11/2020	20.14	349.90	30/11/2017	2.38	347.55	14/08/2017	10.73	312.82	30/10/2017	7.67	310.45
1/07/2014	19.49	353.21	12/01/2021	19.32	350.72	31/12/2017	2.64	347.29	30/10/2017	11.45	312.10	30/11/2017	7.86	310.26
1/08/2014	11.92	360.78	27/02/2021	16.38	353.66	22/02/2018	2.94	346.99	30/11/2017	11.83	311.72	1/01/2018	8.06	310.06
29/09/2014	21.61	351.09	31/03/2021	16.44	353.60	25/03/2018	3.20	346.73	2/01/2018	12.24	311.31	22/02/2018	8.33	309.79
31/10/2014	21.91	350.79	25/04/2021	17.11	352.93	22/05/2018	3.71	346.22	22/02/2018	12.73	310.82	22/03/2018	8.69	309.43
24/11/2014	22.10	350.60	24/05/2021	17.60	352.44	13/07/2018	4.17	345.76	20/03/2018	13.07	310.48	22/05/2018	9.39	308.73
12/12/2014	22.27	350.43	27/06/2021	17.31	352.73	22/10/2018	4.73	345.20	22/05/2018	14.15	309.40	19/06/2018	9.92	308.20
26/01/2015	17.96	354.74	24/07/2021	18.45	351.59	16/11/2018	5.63	344.30	19/06/2018	14.55	309.00	22/10/2018	11.08	307.04
25/02/2015	15.90	356.80	20/08/2021	16.06	353.98	3/03/2019	5.95	343.98	13/07/2018	14.88	308.67	16/11/2018	11.89	306.23
17/03/2015	14.76	357.94	20/09/2021	19.45	350.59	25/09/2019	5.79	344.14	22/10/2018	15.90	307.65	19/12/2018	11.92	306.20
4/04/2015	15.36	357.34	20/10/2021	19.95	350.09	29/02/2020	5.37	344.56	16/11/2018	16.77	306.78	4/02/2019	11.12	307.00
18/05/2015	16.98	355.72	13/11/2021	20.41	349.63	26/05/2020	5.52	344.41	19/12/2018	16.98	306.57	3/03/2019	10.93	307.19
10/06/2015	17.39	355.31	11/12/2021	20.78	349.26	25/06/2020	5.63	344.30	4/02/2019	16.51	307.04	30/03/2019	11.19	306.93
19/07/2015	18.29	354.41	17/01/2022	19.25	350.79	25/08/2020	5.90	344.03	3/03/2019	16.36	307.19	28/04/2019	11.68	306.44
15/08/2015	18.87	353.83	4/02/2022	13.85	356.19	24/09/2020	6.03	343.90	30/03/2019	16.50	307.05	31/05/2019	11.36	306.76
27/09/2015	19.64	353.06	14/03/2022	15.23	354.81	20/10/2020	6.14	343.79	28/04/2019	16.91	306.64	30/06/2019	11.54	306.58
31/10/2015	19.97	352.73	8/04/2022	15.99	354.05	28/11/2020	6.25	343.68	31/05/2019	16.57	306.98	4/07/2019	11.54	306.58
30/11/2015	19.96	352.74	3/05/2022	16.12	353.92	12/01/2021	6.32	343.61	30/06/2019	16.75	306.80	31/07/2019	11.65	306.47
26/12/2015	20.16	352.54	1/06/2022	16.01	354.03	27/02/2021	5.10	344.83	4/07/2019	16.77	306.78	29/08/2019	11.77	306.35
31/01/2016	17.63	355.07	29/06/2022	15.95	354.09	31/03/2021	4.53	345.40	31/07/2019	16.87	306.68	25/09/2019	11.84	306.28
8/03/2016	17.58	355.12	29/07/2022	15.81	354.23	25/04/2021	4.09	345.84	29/08/2019	16.92	306.63	22/10/2019	12.04	306.08
26/03/2016	16.48	356.22	20/08/2022	15.69	354.35	24/05/2021	3.98	345.95	25/09/2019	17.05	306.50	27/12/2019	12.45	305.67
25/04/2016	16.10	356.60				24/06/2021	4.03	345.90	22/10/2019	17.18	306.37	25/01/2020	12.51	305.61
18/05/2016	16.29	356.41				27/06/2021	4.03	345.90	27/12/2019	17.48	306.07	29/02/2020	11.61	306.51
16/06/2016	16.79	355.91				24/07/2021	4.13	345.80	25/01/2020	17.57	305.98	30/03/2020	11.31	306.81

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB23	SMMB23 mbrp	SMMB23 mAHD	SMMB26	SMMB26 mbrp	SMMB26 mAHD	SMMB27	SMMB27 mbrp	SMMB27 mAHD	SMMB28	SMMB28 mbrp	SMMB28 mAHD	SMMB29	SMMB29 mbrp	SMMB29 mAHD
		372.70			**370.04**			**349.93**			**323.55**			**318.12**
11/07/2016	17.51	355.19				20/08/2021	4.23	345.70	29/02/2020	16.69	306.86	30/04/2020	11.32	306.80
12/09/2016	19.64	353.06				25/08/2021	4.23	345.70	30/03/2020	16.59	306.96	26/05/2020	11.51	306.61
31/10/2016	21.04	351.66				20/09/2021	4.35	345.58	30/04/2020	16.60	306.95	25/08/2020	12.13	305.99
30/11/2016	21.60	351.10				20/10/2021	4.50	345.43	26/05/2020	16.81	306.74	21/09/2020	12.31	305.81
21/12/2016	21.37	351.33				18/11/2021	4.65	345.28	25/08/2020	12.13	311.42	24/09/2020	12.31	305.81
30/01/2017	18.13	354.57				10/12/2021	4.81	345.12	21/09/2020	17.51	306.04	20/10/2020	12.53	305.59
27/03/2017	11.92	360.78				17/01/2022	4.97	344.96	24/09/2020	17.51	306.04	23/11/2020	12.70	305.42
21/04/2017	12.35	360.35				7/02/2022	2.95	346.98	20/10/2020	17.69	305.86	12/01/2021	12.72	305.40
24/05/2017	12.98	359.72				14/03/2022	2.18	347.75	23/11/2020	17.85	305.70	27/02/2021	10.08	308.04
17/06/2017	13.68	359.02				7/04/2022	2.24	347.69	12/01/2021	17.97	305.58	27/03/2021	9.13	308.99
15/07/2017	13.84	358.86				10/05/2022	2.51	347.42	27/02/2021	15.74	307.81	25/04/2021	9.06	309.06
10/08/2017	14.21	358.49				1/06/2022	2.65	347.28	27/03/2021	14.81	308.74	24/05/2021	9.42	308.70
30/09/2017	14.85	357.85				27/06/2022	2.79	347.14	25/04/2021	13.55	310.00	23/06/2021	9.67	308.45
30/10/2017	15.61	357.09				29/07/2022	2.98	346.95	24/05/2021	14.47	309.08	27/06/2021	9.67	308.45
30/11/2017	14.61	358.09				20/08/2022	3.23	346.70	22/06/2021	14.64	308.91	24/07/2021	10.02	308.10
31/12/2017	14.48	358.22				25/08/2022	3.23	346.70	27/06/2021	14.64	308.91	20/08/2021	10.34	307.78
27/01/2018	14.40	358.30				28/09/2022	3.44	346.49	24/07/2021	15.05	308.50	23/08/2021	10.38	307.74
22/02/2018	14.33	358.37				22/10/2022	3.65	346.28	20/08/2021	15.36	308.19	20/09/2021	10.65	307.47
20/03/2018	14.90	357.80				18/11/2022	3.87	346.06	23/08/2021	15.39	308.16	20/10/2021	10.99	307.13
25/04/2018	15.20	357.50				11/12/2022	3.84	346.09	20/09/2021	15.69	307.86	15/11/2021	11.14	306.98
22/05/2018	16.40	356.30				14/12/2022	3.84	346.09	20/10/2021	16.01	307.54	11/12/2021	11.34	306.78
16/06/2018	16.80	355.90				11/01/2023	2.67	347.26	10/12/2021	16.49	307.06	17/01/2022	11.53	306.59
13/07/2018	17.81	354.89				4/02/2023	1.86	348.07	15/11/2021	16.27	307.28	8/02/2022	8.33	309.79
15/08/2018	17.97	354.73				12/02/2023	1.86	348.07	17/01/2022	16.72	306.83	14/03/2022	7.64	310.48
19/09/2018	18.71	353.99				7/03/2023	0.42	349.51	9/02/2022	14.10	309.45	8/04/2022	8.24	309.88
22/10/2018	19.20	353.50				4/04/2023	0.40	349.53	13/03/2022	12.91	310.64	5/05/2022	8.78	309.34
16/11/2018	20.04	352.66				3/05/2023	0.45	349.48	7/04/2022	13.16	310.39	2/06/2022	9.19	308.93
14/12/2018	20.69	352.01				5/05/2023	0.45	349.48	4/05/2022	13.51	310.04	29/06/2022	9.44	308.68
4/02/2019	18.85	353.85				5/06/2023	0.66	349.27	31/05/2022	13.93	309.62	29/07/2022	9.74	308.38
3/03/2019	16.60	356.10				25/06/2023	0.95	348.98	26/06/2022	14.30	309.25	21/08/2022	10.12	308.00
30/03/2019	13.93	358.77				22/07/2023	0.95	348.98	28/07/2022	14.63	308.92	26/08/2022	10.12	308.00
28/04/2019	12.46	360.24				26/07/2023	0.95	348.98	20/08/2022	14.94	308.61	28/09/2022	10.40	307.72
31/07/2019	12.16	360.54				21/08/2023	1.37	348.56	24/08/2022	14.94	308.61	24/10/2022	10.67	307.45
29/08/2019	12.82	359.88				27/09/2023	1.63	348.30	27/09/2022	15.28	308.27	19/11/2022	11.06	307.06
25/09/2019	13.40	359.30				24/10/2023	1.97	347.96	20/10/2022	15.54	308.01	12/12/2022	10.42	307.70
22/10/2019	14.07	358.63				15/11/2023	2.23	347.70	18/11/2022	15.92	307.63	13/12/2022	10.42	307.70
27/12/2019	16.75	355.95				24/11/2023	1.96	347.97	11/12/2022	15.61	307.94	10/01/2023	8.43	309.69
25/01/2020	16.92	355.78				15/12/2023	2.59	347.34	13/12/2022	15.61	307.94	5/02/2023	7.13	310.99
29/02/2020	12.16	360.54				8/01/2024	2.83	347.10	12/01/2023	13.98	309.57	8/02/2023	7.13	310.99
30/03/2020	13.43	359.27				22/03/2024	1.36	348.57	3/02/2023	12.38	311.17	8/03/2023	5.38	312.74
30/04/2020	13.71	358.99				16/04/2024	1.39	348.54	8/02/2023	12.38	311.17	5/04/2023	6.10	312.02
26/05/2020	14.39	358.31				15/05/2024	1.49	348.44	7/03/2023	9.11	314.44	3/05/2023	6.19	311.93
25/06/2020	15.92	356.78				16/06/2024	0.59	349.34	4/04/2023	9.53	314.02	4/05/2023	6.19	311.93
25/08/2020	18.49	354.21				1/07/2024	0.97	348.96	3/05/2023	9.35	314.20	6/06/2023	6.56	311.56
20/10/2020	18.21	354.49				12/07/2024	0.87	349.06	4/06/2023	9.84	313.71	25/06/2023	6.81	311.31
27/11/2020	19.05	353.65				30/08/2024	1.53	348.40	25/06/2023	10.13	313.42	23/07/2023	6.52	311.60
12/01/2021	14.06	358.64				27/09/2024	1.77	348.16	22/07/2023	10.02	313.53	22/08/2023	6.83	311.29
27/02/2021	13.55	359.15				5/10/2024	1.97	347.96	24/07/2023	10.02	313.53	27/09/2023	7.18	310.94
31/03/2021	14.10	358.60				30/11/2024	2.36	347.57	20/08/2023	10.35	313.20	24/10/2023	7.57	310.55
25/04/2021	14.78	357.92				29/12/2024	2.67	347.26	26/09/2023	10.80	312.75	18/11/2023	8.11	310.01
24/05/2021	15.84	356.86				28/01/2025	2.34	347.59	23/10/2023	11.25	312.30	24/11/2023	8.11	310.01
27/06/2021	14.86	357.84				28/02/2025	1.74	348.19	16/11/2023	11.86	311.69	16/12/2023	8.40	309.72
24/07/2021	17.45	355.25				27/03/2025	1.75	348.18	23/11/2023	11.86	311.69	9/01/2024	8.71	309.41
20/08/2021	18.12	354.58				24/04/2025	1.98	347.95	15/12/2023	12.31	311.24	22/03/2024	5.90	312.22
20/09/2021	18.80	353.90				21/05/2025	2.18	347.75	7/01/2024	12.73	310.82	16/04/2024	5.92	312.20
20/10/2021	19.48	353.223				16/06/2025	2.34	347.59	22/03/2024	8.02	315.53	15/05/2024	5.91	312.21
13/11/2021	19.93	352.77							16/04/2024	8.19	315.36	16/06/2024	6.24	311.88
11/12/2021	16.41	356.29							15/05/2024	8.27	315.28	22/06/2024	6.34	311.78
17/01/2022	15.76	356.94							16/06/2024	8.96	314.59	12/07/2024	6.51	311.51
4/02/2022	14.74	357.96							22/06/2024	9.10	314.45	30/08/2024	7.07	310.95
14/03/2022	13.96	358.74							12/07/2024	9.44	314.22	27/09/2024	7.16	310.86
8/04/2022	13.70	359.00							30/08/2024	10.40	313.26	5/10/2024	7.24	310.78
3/05/2022	13.65	359.05							27/09/2024	10.60	313.06	30/11/2024	7.60	310.42
1/06/2022	13.60	359.10							5/10/2024	10.79	312.87	26/12/2024	8.23	309.79
29/06/2022	13.57	359.13							30/11/2024	11.38	312.28	28/01/2025	7.73	310.29
29/07/2022	13.28	359.42							26/12/2024	12.08	311.58	28/02/2025	6.67	311.35
20/08/2022	13.17	359.53							28/01/2025	11.89	311.77	25/03/2025	6.80	311.22
28/09/2022	13.19	359.51							28/02/2025	10.72	312.94	24/04/2025	6.90	311.12
23/10/2022	12.96	359.74							22/03/2025	11.06	312.60	21/05/2025	7.17	310.85
18/11/2022	12.97	359.73							24/04/2025	10.92	312.74	11/06/2025	6.98	311.04
12/12/2022	12.79	359.91							21/05/2025	9.62	314.04			
11/01/2023	12.28	360.42							11/06/2025	11.07	312.59			
5/02/2023	12.06	360.64												
8/03/2023	11.92	360.78												
4/04/2023	11.87	360.83												
4/05/2023	11.83	360.87												
6/06/2023	11.85	360.85												

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB23	SMMB23 mbrp	SMMB23 mAHD	SMMB26	SMMB26 mbrp	SMMB26 mAHD	SMMB27	SMMB27 mbrp	SMMB27 mAHD	SMMB28	SMMB28 mbrp	SMMB28 mAHD	SMMB29	SMMB29 mbrp	SMMB29 mAHD
		372.70			370.04			349.93			323.55			318.12
25/06/2023	11.90	360.80												
23/07/2023	11.87	360.83												
21/08/2023	11.95	360.75												
27/09/2023	12.02	360.68												
24/10/2023	12.01	360.69												
24/11/2023	11.97	360.73												
16/12/2023	11.85	360.85												
9/01/2024	11.79	360.91												
22/03/2024	9.81	362.89												
16/04/2024	9.97	362.73												
15/05/2024	10.09	362.61												
16/06/2024	11.45	361.25												
12/07/2024	11.74	364.77												
30/08/2024	11.78	364.73												
27/09/2024	11.76	364.75												
5/10/2024	11.76	364.75												
30/11/2024	11.67	364.84												
28/12/2024	11.60	364.91												
28/01/2025	11.57	364.94												
28/02/2025	11.53	364.98												
31/03/2025	11.52	364.99												
24/04/2025	11.55	364.96												
21/05/2025	11.71	364.80												
22/06/2025	11.75	364.76												

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB30A	SMMB30A mbrp	SMMB30A mAHD	SMMB30B	SMMB30B mbrp	SMMB30B mAHD	SMMB30-d	SMMB30-d mbrp	SMMB30-d mAHD	SMMB31	SMMB31 mbrp	SMMB31 mAHD	SMMB32	SMMB32 mbrp	SMMB32 mAHD
		312.34			312.34			312.34			315.34			302.13
17/01/2010	6.78	305.56	17/01/2010	6.05	306.29	9/11/2009	6.77	305.57	9/11/2009	5.56	309.78	9/11/2009	5.38	296.75
9/02/2010	6.28	306.06	9/02/2010	5.76	306.58	8/12/2009	6.88	305.46	8/12/2009	10.06	305.28	8/12/2009	5.95	296.18
7/03/2010	6.13	306.21	7/03/2010	5.37	306.97	17/01/2010	6.98	305.36	17/01/2010	10.10	305.24	17/01/2010	5.44	296.69
3/04/2010	6.10	306.24	3/04/2010	5.32	307.02	9/02/2010	6.50	305.84	9/02/2010	9.64	305.70	9/02/2010	3.02	299.11
1/05/2010	6.64	305.70	1/05/2010	5.48	306.86	7/03/2010	6.39	305.95	7/03/2010	9.50	305.84	7/03/2010	5.09	297.04
3/06/2010	3.68	308.66	3/06/2010	5.57	306.77	3/04/2010	6.36	305.98	3/04/2010	9.44	305.90	3/04/2010	5.23	296.90
1/07/2010	6.70	305.64	1/07/2010	6.08	306.26	1/05/2010	6.50	305.84	1/05/2010	9.50	305.84	1/05/2010	5.36	296.77
21/08/2010	6.94	305.40	21/08/2010	6.21	306.13	3/06/2010	6.61	305.73	3/06/2010	9.68	305.66	3/06/2010	5.35	296.78
20/09/2010	7.13	305.21	20/09/2010	7.44	304.90	1/07/2010	6.64	305.70	1/07/2010	9.88	305.46	1/07/2010	5.28	296.85
16/10/2010	7.49	304.85	16/10/2010	6.60	305.74	1/07/2010	6.64	305.70	1/07/2010	9.88	305.46	1/07/2010	5.28	296.85
13/11/2010	7.18	305.16	13/11/2010	7.45	304.89	21/08/2010	7.16	305.18	21/08/2010	10.51	304.83	21/08/2010	5.71	296.42
11/12/2010	7.22	305.12	11/12/2010	6.52	305.82	20/09/2010	6.44	305.90	20/09/2010	10.45	304.89	20/09/2010	6.05	296.08
13/01/2011	7.46	304.88	13/01/2011	6.35	305.99	16/10/2010	7.51	304.83	16/10/2010	10.60	304.74	16/10/2010	5.76	296.37
4/02/2011	6.34	306.00	4/02/2011	5.38	306.96	13/11/2010	6.52	305.82	13/11/2010	10.51	304.83	13/11/2010	5.53	296.60
15/03/2011	1.97	310.37	2/12/2011	3.42	308.92	11/12/2010	7.49	304.85	11/12/2010	10.55	304.79	11/12/2010	5.44	296.69
2/12/2011	4.27	308.07	4/02/2012	3.72	308.62	13/01/2011	7.36	304.98	13/01/2011	10.41	304.93	13/01/2011	5.27	296.86
4/02/2012	4.60	307.74	3/03/2012	2.67	309.67	4/02/2011	6.68	305.66	4/02/2011	9.77	305.57	4/02/2011	4.86	297.27
3/03/2012	3.85	308.49	4/04/2012	2.79	309.55	15/03/2011	1.03	311.31	15/03/2011	5.12	310.22	10/03/2011	2.35	299.78
4/04/2012	3.56	308.78	26/05/2012	3.57	308.77	2/12/2011	4.58	307.76	2/12/2011	7.59	307.75	15/03/2011	3.90	298.23
26/05/2012	4.38	307.96	29/06/2012	4.00	308.34	4/02/2012	4.92	307.42	4/02/2012	7.91	307.43	2/12/2011	4.69	297.44
29/06/2012	4.73	307.61	25/07/2012	4.26	308.08	3/03/2012	4.29	308.05	3/03/2012	7.38	307.96	4/02/2012	4.12	298.01
25/07/2012	5.00	307.34	23/08/2012	4.55	307.79	4/04/2012	3.74	308.60	4/04/2012	6.86	308.48	3/03/2012	3.10	299.03
23/08/2012	5.26	307.08	17/09/2012	4.85	307.49	26/05/2012	4.65	307.69	2/06/2012	7.72	307.62	4/04/2012	5.90	296.23
17/09/2012	5.54	306.80	11/10/2012	4.94	307.40	29/06/2012	5.00	307.34	29/06/2012	8.00	307.34	26/05/2012	4.80	297.33
11/10/2012	5.61	306.73	11/12/2012	5.62	306.72	25/07/2012	5.24	307.10	25/07/2012	8.25	307.09	29/06/2012	4.82	297.31
11/12/2012	6.25	306.09	8/01/2013	5.10	307.24	23/08/2012	5.51	306.83	23/08/2012	9.52	305.82	25/07/2012	4.32	297.81
8/01/2013	5.78	306.56	8/04/2013	5.04	307.30	17/09/2012	5.76	306.58	17/09/2012	8.76	306.58	23/08/2012	5.03	297.10
8/04/2013	5.68	306.66	2/05/2013	5.23	307.11	11/10/2012	5.87	306.47	11/10/2012	8.90	306.44	17/09/2012	5.15	296.98
2/05/2013	6.54	305.80	14/06/2013	5.33	307.01	11/12/2012	6.46	305.88	11/12/2012	9.48	305.86	11/10/2012	5.08	297.05
14/06/2013	6.51	305.83	17/07/2013	6.04	306.30	8/01/2013	6.04	306.30	8/01/2013	9.02	306.32	11/12/2012	5.31	296.82
17/07/2013	6.68	305.66	24/08/2013	6.32	306.02	8/04/2013	7.45	304.89	8/04/2013	8.93	306.41	8/01/2013	5.01	297.12
24/08/2013	6.95	305.39	11/09/2013	6.50	305.84	2/05/2013	6.99	305.35	2/05/2013	9.29	306.05	8/04/2013	4.91	297.22
11/09/2013	7.14	305.20	7/10/2013	6.36	305.98	14/06/2013	6.71	305.63	14/06/2013	9.71	305.63	2/05/2013	5.21	296.92
7/10/2013	7.27	305.07	11/11/2013	6.80	305.54	17/07/2013	6.88	305.46	17/07/2013	9.90	305.44	14/06/2013	5.32	296.81
11/11/2013	6.56	305.78	18/12/2013	6.72	305.62	24/08/2013	7.16	305.18	24/08/2013	10.19	305.15	17/07/2013	5.41	296.72
18/12/2013	7.68	304.66	2/02/2014	5.96	306.38	11/09/2013	7.32	305.02	11/09/2013	10.38	304.96	24/08/2013	5.58	296.55
2/02/2014	6.94	305.40	24/04/2014	3.81	308.53	7/10/2013	7.46	304.88	7/10/2013	10.33	305.01	11/09/2013	5.62	296.51
24/04/2014	4.61	307.73	5/05/2014	3.96	308.38	11/11/2013	7.75	304.59	11/11/2013	10.80	304.54	7/10/2013	5.76	296.37
5/05/2014	4.75	307.59	9/06/2014	4.46	307.88	18/12/2013	7.89	304.45	18/12/2013	10.90	304.44	18/12/2013	5.35	296.78
9/06/2014	5.21	307.13	1/07/2014	4.71	307.63	2/02/2014	7.20	305.14	2/02/2014	10.27	305.07	24/04/2014	4.67	297.46
1/07/2014	5.45	306.89	1/07/2014	4.71	307.63	24/04/2014	4.89	307.45	24/04/2014	8.88	306.46	5/05/2014	4.74	297.39
1/07/2014	5.45	306.89	1/08/2014	5.05	307.29	5/05/2014	5.00	307.34	5/05/2014	8.03	307.31	31/10/2014	5.55	296.58
1/08/2014	5.77	306.57	29/09/2014	5.66	306.68	9/06/2014	5.45	306.89	9/06/2014	8.48	306.86	31/10/2015	6.14	295.99
29/09/2014	6.31	306.03	31/10/2014	6.00	306.34	1/07/2014	5.71	306.63	1/07/2014	8.72	306.62	30/11/2015	6.23	295.90
31/10/2014	6.54	305.80	24/11/2014	6.02	306.32	1/07/2014	5.71	306.63	1/07/2014	8.72	306.62	8/03/2016	5.31	296.82
24/11/2014	6.87	305.47	26/01/2015	5.01	307.33	1/08/2014	6.02	306.32	1/08/2014	9.03	306.31	9/05/2016	5.19	296.94
26/01/2015	5.95	306.39	25/02/2015	4.79	307.55	29/09/2014	6.50	305.84	29/09/2014	9.55	305.79	28/08/2016	6.29	295.84
25/02/2015	5.31	307.03	17/03/2015	4.59	307.75	31/10/2014	6.85	305.49	31/10/2014	9.87	305.47	31/10/2016	6.79	295.34
17/03/2015	5.19	307.15	18/05/2015	5.47	306.87	24/11/2014	7.06	305.28	24/11/2014	10.10	305.24	29/11/2016	6.23	295.90
18/05/2015	6.00	306.34	10/06/2015	5.70	306.64	12/12/2014	7.21	305.13	12/12/2014	10.27	305.07	26/02/2017	2.46	299.67
10/06/2015	6.21	306.13	15/08/2015	6.17	306.17	26/01/2015	6.24	306.10	26/01/2015	9.30	306.04	21/05/2017	4.29	297.84
15/08/2015	6.87	305.47	27/09/2015	6.65	305.69	25/02/2015	5.57	306.77	25/02/2015	8.89	306.45	14/08/2017	4.72	297.41
27/09/2015	7.22	305.12	31/10/2015	6.82	305.52	17/03/2015	5.43	306.91	17/03/2015	8.51	306.83	30/10/2017	4.61	297.52
31/10/2015	7.48	304.86	30/11/2015	7.17	305.17	4/04/2015	5.64	306.70	4/04/2015	8.71	306.63	28/12/2017	4.69	297.44
30/11/2015	7.68	304.66	26/12/2015	7.25	305.09	18/05/2015	6.22	306.12	18/05/2015	10.33	305.01	19/03/2018	4.64	297.49
26/12/2015	7.83	304.51	31/01/2016	6.82	305.52	10/06/2015	6.40	305.94	10/06/2015	9.48	305.86	19/05/2018	5.09	297.04
31/01/2016	7.41	304.93	8/03/2016	6.86	305.48	19/07/2015	6.83	305.51	19/07/2015	9.89	305.45	22/10/2018	5.91	296.22
8/03/2016	7.36	304.98	26/03/2016	6.75	305.59	15/08/2015	7.07	305.27	15/08/2015	10.11	305.23	14/12/2018	6.03	296.10
26/03/2016	7.23	305.11	25/04/2016	6.98	305.36	23/08/2015	7.14	305.20	27/09/2015	10.47	304.87	16/12/2018	6.02	296.11
25/04/2016	7.62	304.72	18/05/2016	7.03	305.31	27/09/2015	7.38	304.96	31/10/2015	10.73	304.61	4/02/2019	5.05	297.08
18/05/2016	7.71	304.63	16/06/2016	7.07	305.27	31/10/2015	7.69	304.65	29/11/2015	9.92	305.42	3/03/2019	5.29	296.84
16/06/2016	7.86	304.48	11/07/2016	7.04	305.30	1/12/2015	7.91	304.43	26/12/2015	11.09	304.25	30/03/2019	5.51	296.62
11/07/2016	8.02	304.32	12/09/2016	6.38	305.96	26/12/2015	8.02	304.32	31/01/2016	10.73	304.61	28/04/2019	5.93	296.20
12/09/2016	8.33	304.01	31/10/2016	6.36	305.98	31/01/2016	7.65	304.69	4/03/2016	10.62	304.72	31/05/2019	5.77	296.36
31/10/2016	8.54	303.80	30/11/2016	6.42	305.92	4/03/2016	7.55	304.79	8/03/2016	10.64	304.70	30/06/2019	6.04	296.09
30/11/2016	8.60	303.74	21/12/2016	6.35	305.99	8/03/2016	7.54	304.80	26/03/2016	10.53	304.81	4/07/2019	6.04	296.09
21/12/2016	7.92	304.42	30/01/2017	3.19	309.15	26/03/2016	7.23	305.11	25/04/2016	10.58	304.76	31/07/2019	6.23	295.90
30/01/2017	4.00	308.34	27/03/2017	1.58	310.76	25/04/2016	7.50	304.84	8/05/2016	10.66	304.68	29/08/2019	6.30	295.83
27/03/2017	1.94	310.40	21/04/2017	2.11	310.23	8/05/2016	7.61	304.73	18/05/2016	7.67	307.67	25/09/2019	6.53	295.60
21/04/2017	2.67	309.67	17/06/2017	2.62	309.72	18/05/2016	7.58	304.76	16/06/2016	10.81	304.53	22/10/2019	6.75	295.38
17/06/2017	3.39	308.95	15/07/2017	2.74	309.60	16/06/2016	7.73	304.61	11/07/2016	10.99	304.35	27/12/2019	7.21	294.92
15/07/2017	3.52	308.82	4/09/2017	3.00	309.34	11/07/2016	7.93	304.41	28/08/2016	11.22	304.12	25/01/2020	6.03	296.10
4/09/2017	3.81	308.53	30/09/2017	3.18	309.16	27/08/2016	8.17	304.17	12/09/2016	11.26	304.08	29/02/2020	5.06	297.07
30/09/2017	4.02	308.32	30/10/2017	2.94	309.40	12/09/2016	8.21	304.13	31/10/2016	11.49	303.85	30/03/2020	5.31	296.82
30/10/2017	3.59	308.75	30/11/2017	3.06	309.28	31/10/2016	8.44	303.90	27/11/2016	11.54	303.80	30/04/2020	5.63	296.50
30/11/2017	3.72	308.62	31/12/2017	3.18	309.16	30/11/2016	8.48	303.86	21/12/2016	10.95	304.39	26/05/2020	5.93	296.20
31/12/2017	3.88	308.46	27/01/2018	3.32	309.02	21/12/2016	7.85	304.49	30/01/2017	7.07	308.27	25/08/2020	6.95	295.18
27/01/2018	3.94	308.40	22/02/2018	3.39	308.95	30/01/2017	3.94	308.40	21/03/2017	4.49	310.85	20/09/2020	7.21	294.92
22/02/2018	4.11	308.23	20/03/2018	3.78	308.56	25/03/2017	1.85	310.49	21/04/2017	5.50	309.84	24/09/2020	7.21	294.92
20/03/2018	4.39	307.95	25/04/2018	4.30	308.04	21/04/2017	2.58	309.76	22/05/2017	6.06	309.28	20/10/2020	7.44	294.69
25/04/2018	4.84	307.50	22/05/2018	4.36	307.98	22/05/2017	3.11	309.23	17/06/2017	6.34	309.00	23/11/2020	7.66	294.47

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB30A	SMMB30A mbrp	SMMB30A mAHD	SMMB30B	SMMB30B mbrp	SMMB30B mAHD	SMMB30-d	SMMB30-d mbrp	SMMB30-d mAHD	SMMB31	SMMB31 mbrp	SMMB31 mAHD	SMMB32	SMMB32 mbrp	SMMB32 mAHD
		312.34			312.34			312.34			315.34			302.13
22/05/2018	5.00	307.34	16/06/2018	4.58	307.76	17/06/2017	3.32	309.02	15/07/2017	6.49	308.85	12/01/2021	5.99	296.14
16/06/2018	5.09	307.25	13/07/2018	5.05	307.29	15/07/2017	3.48	308.86	15/08/2017	6.66	308.68	27/02/2021	4.44	297.69
13/07/2018	5.55	306.79	15/08/2018	5.56	306.78	4/09/2017	3.83	308.51	30/09/2017	7.04	308.30	25/03/2021	4.16	297.97
15/08/2018	5.69	306.65	19/09/2018	5.83	306.51	30/09/2017	3.98	308.36	30/10/2017	6.88	308.46	25/04/2021	4.65	297.48
19/09/2018	5.96	306.38	22/10/2018	5.91	306.43	30/10/2017	3.88	308.46	30/11/2017	7.02	308.32	24/05/2021	5.05	297.08
22/10/2018	6.38	305.96	16/11/2018	6.73	305.61	30/11/2017	3.98	308.36	31/12/2017	7.21	308.13	22/06/2021	5.28	296.85
16/11/2018	7.39	304.95	14/12/2018	6.52	305.82	31/12/2017	4.19	308.15	27/01/2018	7.26	308.08	27/06/2021	5.28	296.85
14/12/2018	7.35	304.99	30/03/2019	6.78	305.56	1/01/2018	4.28	308.06	22/02/2018	7.40	307.94	24/07/2021	5.58	296.55
30/03/2019	6.10	306.24	28/04/2019	5.98	306.36	27/01/2018	4.27	308.07	22/03/2018	7.67	307.67	20/08/2021	5.91	296.22
28/04/2019	7.21	305.13	31/07/2019	6.63	305.71	22/02/2018	4.37	307.97	25/04/2018	8.11	307.23	23/08/2021	5.93	296.20
31/07/2019	6.65	305.69	29/08/2019	6.56	305.78	22/03/2018	4.67	307.67	22/05/2018	8.30	307.04	20/09/2021	6.28	295.85
29/08/2019	6.76	305.58	25/09/2019	6.49	305.85	25/04/2018	5.09	307.25	16/06/2018	8.44	306.90	20/10/2021	6.7	295.43
25/09/2019	7.10	305.24	22/10/2019	6.51	305.83	22/05/2018	5.14	307.20	13/07/2018	8.80	306.54	14/11/2021	6.35	295.78
22/10/2019	7.30	305.04	29/02/2020	7.09	305.25	16/06/2018	5.32	307.02	15/08/2018	9.10	306.24	10/12/2021	6.32	295.81
29/02/2020	5.22	307.12	26/05/2020	5.83	306.51	13/07/2018	5.80	306.54	19/09/2018	9.51	305.83	17/01/2022	5.79	296.34
26/05/2020	6.78	305.56	20/10/2021	6.49	305.85	15/08/2018	6.26	306.08	22/10/2018	9.63	305.71	6/02/2022	4.02	298.11
20/10/2021		Blocked	24/10/2023	3.68	308.66	19/09/2018	6.54	305.80	16/11/2018	10.61	304.73	12/03/2022	4.42	297.71
24/10/2023	2.67	309.67				22/10/2018	6.60	305.74	19/12/2018	10.60	304.74	6/04/2022	4.71	297.42
						16/11/2018	7.64	304.70	4/02/2019	9.88	305.46	3/05/2022	4.97	297.16
						14/12/2018	7.59	304.75	3/03/2019	9.76	305.58	31/05/2022	5.29	296.84
						19/12/2018	7.59	304.75	30/03/2019	10.01	305.33	28/06/2022	5.52	296.61
						4/02/2019	6.90	305.44	28/04/2019	10.45	304.89	2/08/2022	5.75	296.38
						3/03/2019	6.79	305.55	31/05/2019	9.91	305.43	19/08/2022	5.96	296.17
						30/03/2019	7.02	305.32	30/06/2019	10.04	305.30	22/08/2022	5.96	296.17
						28/04/2019	7.44	304.90	4/07/2019	10.04	305.30	22/09/2022	6.31	295.82
						31/05/2019	6.88	305.46	31/07/2019	10.16	305.18	27/09/2022	6.31	295.82
						30/06/2019	7.12	305.22	29/08/2019	10.28	305.06	18/10/2022	6.56	295.57
						4/07/2019	7.12	305.22	25/09/2019	10.37	304.97	20/10/2022	6.56	295.57
						31/07/2019	7.18	305.16	22/10/2019	12.57	302.77	20/11/2022	6.27	295.86
						29/08/2019	7.27	305.07	27/12/2019	9.97	305.37	11/12/2022	5.24	296.89
						25/09/2019	7.34	305.00	25/01/2020	11.04	304.30	12/01/2023	4.10	298.03
						22/10/2019	7.55	304.79	29/02/2020	10.22	305.12	15/01/2023	4.10	298.03
						27/12/2019	7.88	304.46	30/03/2020	9.71	305.63	3/02/2023	3.53	298.60
						25/01/2020	7.97	304.37	30/04/2020	9.91	305.43	5/02/2023	3.53	298.60
						29/02/2020	7.18	305.16	26/05/2020	10.04	305.30	6/03/2023	2.87	299.26
						30/03/2020	6.82	305.52	25/08/2020	10.61	304.73	8/03/2023	2.87	299.26
						30/04/2020	6.87	305.47	21/09/2020	10.80	304.54	3/04/2023	3.64	298.49
						26/05/2020	6.98	305.36	24/09/2020	10.46	304.88	1/05/2023	3.80	298.33
						25/08/2020	7.58	304.76	20/10/2020	11.01	304.33	2/05/2023	3.80	298.33
						21/09/2020	7.66	304.68	24/11/2020	11.18	304.16	4/06/2023	4.09	298.04
						24/09/2020	7.66	304.68	12/01/2021	11.12	304.22	6/06/2023	4.09	298.04
						20/10/2020	7.95	304.39	27/02/2021	8.97	306.37	24/06/2023	4.19	297.94
						24/11/2020	8.15	304.19	27/03/2021	8.10	307.24	21/07/2023	4.08	298.05
						12/01/2021	8.05	304.29	25/04/2021	7.95	307.39	20/08/2023	4.24	297.89
						27/02/2021	5.91	306.43	24/05/2021	8.24	307.10	25/09/2023	4.38	297.75
						27/03/2021	5.04	307.30	23/06/2021	8.49	306.85	24/10/2023	4.53	297.60
						25/04/2021	4.86	307.48	27/06/2021	8.49	306.85	14/11/2023	4.68	297.45
						24/05/2021	5.17	307.17	24/07/2021	8.76	306.58	22/11/2023	4.68	297.45
						23/06/2021	5.40	306.94	20/08/2021	9.00	306.34	14/12/2023	4.62	297.51
						27/06/2021	5.40	306.94	24/08/2021	9.05	306.29	7/01/2024	4.62	297.51
						24/07/2021	5.68	306.66	20/09/2021	9.29	306.05	22/03/2024	3.26	298.87
						20/08/2021	5.94	306.40	20/10/2021	9.57	305.77	16/04/2024	3.47	298.66
						24/08/2021	6.01	306.33	15/11/2021	9.66	305.68	15/05/2024	3.55	298.58
						20/09/2021	6.22	306.12	11/12/2021	9.87	305.47	16/06/2024	3.84	298.29
						20/10/2021	6.53	305.81	17/01/2022	10.02	305.32	18/06/2024	3.85	298.28
						15/11/2021	6.62	305.72	6/02/2022	7.77	307.57	12/07/2024	4.01	298.11
						11/12/2021	6.80	305.54	14/03/2022	6.98	308.36	30/08/2024	4.21	297.91
						17/01/2022	6.97	305.37	8/04/2022	7.34	308.00	14/09/2024	4.35	297.77
						6/02/2022	4.64	307.70	5/05/2022	7.73	307.61	27/09/2024	4.30	297.82
						14/03/2022	3.90	308.44	2/06/2022	8.01	307.33	5/10/2024	4.38	297.74
						8/04/2022	4.33	308.01	29/06/2022	8.17	307.17	30/11/2024	4.40	297.72
						5/05/2022	4.72	307.62	29/07/2022	8.43	306.91	24/12/2024	4.59	297.53
						2/06/2022	4.96	307.38	21/08/2022	8.74	306.60	28/01/2025	4.35	297.77
						29/06/2022	5.15	307.19	26/08/2022	8.74	306.60	28/02/2025	4.10	298.02
						29/07/2022	5.40	306.94	28/09/2022	8.99	306.35	19/03/2025	4.18	297.94
						21/08/2022	5.74	306.60	24/10/2022	9.24	306.10	24/04/2025	4.15	297.97
						26/08/2022	5.74	306.60	19/11/2022	9.60	305.74	21/05/2025	4.35	297.77
						28/09/2022	5.94	306.40	12/12/2022	9.03	306.31	22/06/2025	4.26	297.86
						24/10/2022	6.19	306.15	10/01/2023	7.86	307.48			
						19/11/2022	6.56	305.78	5/02/2023	6.57	308.77			
						12/12/2022	6.03	306.31	7/02/2023	6.57	308.77			
						10/01/2023	4.70	307.64	8/03/2023	5.12	310.22			
						5/02/2023	3.53	308.81	5/04/2023	5.54	309.80			
						7/02/2023	3.53	308.81	3/05/2023	5.64	309.70			
						8/03/2023	2.14	310.20	4/05/2023	5.64	309.70			
						5/04/2023	2.55	309.79	6/06/2023	5.93	309.41			
						3/05/2023	2.66	309.68	25/06/2023	6.13	309.21			

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB30A	SMMB30A mbrp	SMMB30A mAHD	SMMB30B	SMMB30B mbrp	SMMB30B mAHD	SMMB30-d	SMMB30-d mbrp	SMMB30-d mAHD	SMMB31	SMMB31 mbrp	SMMB31 mAHD	SMMB32	SMMB32 mbrp	SMMB32 mAHD
		312.34			312.34			312.34			315.34			302.13
						4/05/2023	2.66	309.68	22/07/2023	5.89	309.45			
						6/06/2023	2.90	309.44	23/07/2023	5.89	309.45			
						25/06/2023	3.11	309.23	22/08/2023	6.16	309.18			
						22/07/2023	2.89	309.45	27/09/2023	6.56	308.78			
						23/07/2023	2.89	309.45	24/10/2023	6.79	308.55			
						22/08/2023	3.11	309.23	14/11/2023	7.09	308.25			
						27/09/2023	3.49	308.85	24/11/2023	7.09	308.25			
						24/10/2023	3.79	308.55	16/12/2023	7.35	307.99			
						14/11/2023	4.13	308.21	9/01/2024	7.60	307.74			
						24/11/2023	4.13	308.21	22/03/2024	4.89	310.45			
						16/12/2023	4.33	308.01	16/04/2024	5.00	310.34			
						9/01/2024	4.58	307.76	15/05/2024	5.18	310.16			
						22/03/2024	2.20	310.14	16/06/2024	5.53	309.81			
						16/04/2024	2.19	310.15	30/06/2024	5.87	309.47			
						15/05/2024	2.28	310.06	12/07/2024	5.81	309.36			
						16/06/2024	2.59	309.75	30/08/2024	6.30	308.87			
						30/06/2024	3.04	309.30	27/09/2024	6.40	308.77			
						12/07/2024	2.84	309.34	5/10/2024	6.49	308.68			
						30/08/2024	3.28	308.90	30/11/2024	6.70	308.47			
						27/09/2024	3.37	308.81	26/12/2024	7.21	307.96			
						5/10/2024	3.47	308.71	28/01/2025	6.88	308.29			
						30/11/2024	3.62	308.56	28/02/2025	6.07	309.10			
						26/12/2024	4.25	307.93	25/03/2025	6.18	308.99			
						28/01/2025	3.79	308.39	24/04/2025	6.27	308.90			
						28/02/2025	2.99	309.19	21/05/2025	6.58	308.59			
						25/03/2025	3.12	309.06	12/06/2025	6.42	308.75			
						24/04/2025	3.20	308.98						
						21/05/2025	3.53	308.65						
						12/06/2025	3.36	308.82						

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB33	SMMB33 mbrp	SMMB33 mAHD	SMMB34	SMMB34 mbrp	SMMB34 mAHD	SMMB35	SMMB35 mbrp	SMMB35 mAHD	SMMB36	SMMB36 mbrp	SMMB36 mAHD
		307.98			**333.89**			**328.30**			**333.41**
9/11/2009	5.62	302.36	10/03/2011	5.65	328.24	10/03/2011	2.00	326.30	10/03/2011	3.55	329.86
8/12/2009	5.69	302.29	27/03/2011	1.89	332.00	20/03/2011	0.10	328.20	20/03/2011	0.61	332.80
17/01/2010	5.40	302.58	29/04/2011	4.48	329.41	27/03/2011	1.06	327.24	27/03/2011	1.65	331.76
9/02/2010	4.82	303.16	10/05/2011	5.95	327.94	29/04/2011	2.32	325.98	29/04/2011	3.67	329.74
7/03/2010	4.85	303.13	19/05/2011	7.00	326.89	10/05/2011	2.70	325.60	10/05/2011	4.55	328.86
3/04/2010	5.03	302.95	24/05/2011	7.51	326.38	19/05/2011	3.10	325.20	19/05/2011	5.23	328.18
1/05/2010	5.71	302.27	31/05/2011	8.12	325.77	24/05/2011	3.33	324.97	24/05/2011	5.58	327.83
3/06/2010	5.56	302.42	15/07/2011	9.95	323.94	31/05/2011	3.75	324.55	31/05/2011	6.70	326.71
1/07/2010	5.53	302.45	20/08/2011	10.44	323.45	29/06/2011	4.85	323.45	19/06/2011	7.20	326.21
1/07/2010	5.53	302.45	7/09/2011	10.59	323.30	8/07/2011	4.98	323.32	29/06/2011	7.36	326.05
21/08/2010	5.82	302.16	7/10/2011	10.82	323.07	15/07/2011	4.93	323.37	20/08/2011	8.09	325.32
20/09/2010	6.04	301.94	12/11/2011	11.09	322.80	20/08/2011	5.16	323.14	7/09/2011	8.22	325.19
16/10/2010	6.76	301.22	11/12/2011	10.95	322.94	7/09/2011	5.21	323.09	7/10/2011	8.44	324.97
13/11/2010	5.02	302.96	1/01/2012	10.99	322.90	7/10/2011	5.39	322.91	12/11/2011	6.61	326.80
14/11/2010	5.59	302.39	4/02/2012	11.22	322.67	12/11/2011	5.58	322.72	11/12/2011	8.53	324.88
11/12/2010	5.72	302.26	27/04/2012	9.70	324.19	11/12/2011	5.39	322.91	1/01/2012	8.54	324.87
13/01/2011	5.44	302.54	26/05/2012	10.43	323.46	1/01/2012	5.55	322.75	4/02/2012	8.78	324.63
4/02/2011	4.64	303.34	29/06/2012	10.82	323.07	4/02/2012	5.70	322.60	27/04/2012	7.77	325.64
10/03/2011	3.82	304.16	25/07/2012	11.00	322.89	27/04/2012	5.02	323.28	26/05/2012	8.27	325.14
3/03/2012	3.66	304.32	23/08/2012	11.48	322.41	26/05/2012	5.33	322.97	29/06/2012	8.57	324.84
4/04/2012	3.34	304.64	17/09/2012	11.87	322.02	29/06/2012	5.57	322.73	25/07/2012	2.14	331.27
26/05/2012	4.25	303.73	11/10/2012	12.05	321.84	25/07/2012	5.90	322.40	23/08/2012	9.16	324.25
29/06/2012	4.10	303.88	11/12/2012	12.33	321.56	23/08/2012	6.40	321.90	17/09/2012	9.50	323.91
25/07/2012	4.61	303.37	8/01/2013	12.24	321.65	17/09/2012	6.78	321.52	11/10/2012	9.60	323.81
23/08/2012	4.77	303.21	9/03/2013	12.00	321.89	11/10/2012	6.76	321.54	11/12/2012	10.17	323.24
17/09/2012	4.89	303.09	14/06/2013	12.61	321.28	11/12/2012	6.80	321.50	8/01/2013	10.80	322.61
11/10/2012	4.81	303.17	17/07/2013	12.38	321.51	8/01/2013	6.95	321.35	9/03/2013	9.30	324.11
11/12/2012	5.24	302.74	11/09/2013	13.51	320.38	9/03/2013	6.33	321.97	8/04/2013	9.62	323.79
8/01/2013	4.77	303.21	7/10/2013	13.83	320.06	8/04/2013	6.78	321.52	2/05/2013	10.01	323.40
8/04/2013	4.82	303.16	2/02/2014	13.10	320.79	2/05/2013	7.35	320.95	14/06/2013	10.60	322.81
2/05/2013	4.99	302.99	31/10/2014	12.59	321.30	14/06/2013	7.84	320.46	17/07/2013	10.95	322.46
14/06/2013	5.39	302.59	31/10/2015	14.18	319.71	17/07/2013	8.14	320.16	11/09/2013	12.74	320.67
17/07/2013	5.54	302.44	31/10/2016	15.00	318.89	11/09/2013	8.88	319.42	7/10/2013	11.96	321.45
24/08/2013	5.71	302.27	30/10/2017	10.57	323.32	7/10/2013	9.22	319.08	2/02/2014	11.00	322.41
11/09/2013	5.80	302.18	22/10/2018	13.29	320.60	2/02/2014	6.25	322.05	31/10/2014	10.56	322.85
7/10/2013	5.89	302.09	22/10/2019	14.97	318.92	31/10/2014	8.05	320.25	31/10/2015	12.21	321.20
11/11/2013	6.31	301.67	20/10/2020	15.39	318.50	31/10/2015	9.90	318.40	31/10/2016	13.17	320.24
18/12/2013	6.87	301.11	20/10/2021	13.64	320.25	31/10/2016	10.78	317.52	30/10/2017	8.29	325.12
2/02/2014	4.57	303.41	19/10/2022	12.94	320.95	30/10/2017	5.59	322.71	22/10/2018	11.99	321.42
9/03/2014	3.23	304.75	25/10/2023	10.76	323.13	22/10/2018	8.88	319.42	22/10/2019	13.34	320.07
24/04/2014	4.13	303.85	5/10/2024	10.28	323.61	22/10/2019	11.69	316.61	20/10/2020	13.65	319.76
5/05/2014	4.31	303.67				20/10/2020	11.29	317.01	20/10/2021	12.62	320.79
9/06/2014	4.70	303.28				20/10/2021	9.57	318.73	19/10/2022	11.62	321.79
1/07/2014	4.82	303.16				25/10/2023	5.70	322.60	25/10/2023	8.48	324.93
1/07/2014	4.82	303.16				5/10/2024	5.11	323.19	5/10/2024	7.96	325.45
1/08/2014	5.01	302.97									
29/09/2014	5.27	302.71									
31/10/2014	5.60	302.38									
24/11/2014	5.88	302.10									
12/12/2014	5.98	302.00									
26/01/2015	4.12	303.86									
25/02/2015	4.43	303.55									
17/03/2015	4.39	303.59									
4/04/2015	4.79	303.19									
18/05/2015	5.39	302.59									
10/06/2015	5.73	302.25									
18/07/2015	6.01	301.97									
15/08/2015	6.16	301.82									
27/09/2015	6.36	301.62									
31/10/2015	6.68	301.30									
30/11/2015	6.89	301.09									
26/12/2015	6.95	301.03									
31/01/2016	6.47	301.51									
5/03/2016	5.49	302.49									
8/03/2016	5.54	302.44									
26/03/2016	5.22	302.76									
21/04/2016	5.76	302.22									
9/05/2016	5.75	302.23									
17/05/2016	5.65	302.33									
16/06/2016	5.87	302.11									
11/07/2016	6.03	301.95									
9/08/2016	6.21	301.77									
28/08/2016	6.34	301.64									
12/09/2016	6.43	301.55									
31/10/2016	6.76	301.22									
29/11/2016	6.60	301.38									
21/12/2016	5.00	302.98									
30/01/2017	2.46	305.52									
26/02/2017	1.66	306.32									
21/04/2017	2.88	305.10									
21/05/2017	3.30	304.68									

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB33	SMMB33 mbrp	SMMB33 mAHD	SMMB34	SMMB34 mbrp	SMMB34 mAHD	SMMB35	SMMB35 mbrp	SMMB35 mAHD	SMMB36	SMMB36 mbrp	SMMB36 mAHD
		307.98			333.89			328.30			333.41
17/06/2017	3.55	304.43									
15/07/2017	3.53	304.45									
14/08/2017	3.61	304.37									
30/09/2017	4.32	303.66									
30/10/2017	4.10	303.88									
30/11/2017	4.03	303.95									
28/12/2017	4.27	303.71									
31/12/2017	4.23	303.75									
27/01/2018	4.18	303.80									
19/03/2018	4.37	303.61									
25/04/2018	4.73	303.25									
19/05/2018	4.88	303.10									
16/06/2018	5.05	302.93									
13/07/2018	5.11	302.87									
15/08/2018	5.33	302.65									
19/09/2018	5.62	302.36									
22/10/2018	5.92	302.06									
16/11/2018	6.78	301.20									
14/12/2018	6.47	301.51									
16/12/2018	6.45	301.53									
4/02/2019	5.49	302.49									
3/03/2019	5.71	302.27									
30/03/2019	6.06	301.92									
28/04/2019	6.46	301.52									
31/05/2019	6.12	301.86									
30/06/2019	6.38	301.60									
4/07/2019	6.38	301.60									
31/07/2019	6.60	301.38									
29/08/2019	6.69	301.29									
25/09/2019	6.89	301.09									
22/10/2019	7.04	300.94									
27/12/2019	7.31	300.67									
25/01/2020	7.05	300.93									
29/02/2020	5.34	302.64									
30/03/2020	5.47	302.51									
30/04/2020	5.62	302.36									
26/05/2020	5.80	302.18									
25/08/2020	6.40	301.58									
20/09/2020	6.57	301.41									
24/09/2020	6.57	301.41									
20/10/2020	6.76	301.22									
23/11/2020	6.95	301.03									
12/01/2021	5.94	302.04									
27/02/2021	4.07	303.91									
25/03/2021	3.70	304.28									
25/04/2021	4.23	303.75									
24/05/2021	4.66	303.32									
22/06/2021	4.89	303.09									
27/06/2021	4.88	303.10									
24/07/2021	5.14	302.84									
20/08/2021	5.39	302.59									
23/08/2021	5.41	302.57									
20/10/2021	5.93	302.05									
14/11/2021	5.83	302.15									
10/12/2021	6.04	301.94									
17/01/2022	5.54	302.44									
6/02/2022	3.65	304.33									
12/03/2022	3.84	304.14									
6/04/2022	4.19	303.79									
3/05/2022	4.52	303.46									
31/05/2022	4.78	303.20									
28/06/2022	4.94	303.04									
28/07/2022	5.10	302.88									
19/08/2022	5.39	302.59									
23/08/2022	5.39	302.59									
27/09/2022	5.56	302.42									
18/10/2022	5.72	302.26									
18/11/2022	6.06	301.92									
11/12/2022	5.15	302.83									
12/01/2023	3.74	304.24									
3/02/2023	3.13	304.85									
6/02/2023	3.13	304.85									
6/03/2023	2.18	305.80									
3/04/2023	2.74	305.24									
1/05/2023	2.78	305.20									
2/05/2023	2.78	305.20									
4/06/2023	3.09	304.89									

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB33	SMMB33 mbrp	SMMB33 mAHD	SMMB34	SMMB34 mbrp	SMMB34 mAHD	SMMB35	SMMB35 mbrp	SMMB35 mAHD	SMMB36	SMMB36 mbrp	SMMB36 mAHD
		307.98			333.89			328.30			333.41
24/06/2023	3.46	304.52									
21/07/2023	3.00	304.98									
22/07/2023	3.00	304.98									
20/08/2023	3.56	304.42									
25/09/2023	3.91	304.07									
24/10/2023	4.05	303.93									
14/11/2023	4.44	303.54									
22/11/2023	4.44	303.54									
14/12/2023	4.50	303.48									
7/01/2024	4.61	303.37									
22/03/2024	2.47	305.51									
16/04/2024	2.52	305.46									
15/05/2024	2.61	305.37									
16/06/2024	2.93	305.05									
21/06/2024	2.99	304.99									
12/07/2024	3.09	304.88									
30/08/2024	3.22	304.75									
14/09/2024	3.67	304.30									
27/09/2024	3.43	304.54									
5/10/2024	3.64	304.33									
30/11/2024	3.82	304.15									
25/12/2024	4.44	303.53									
28/01/2025	3.92	304.05									
28/02/2025	2.98	304.99									
20/03/2025	3.43	304.54									
24/04/2025	3.33	304.64									
21/05/2025	3.65	304.32									
22/06/2025	3.38	304.59									

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB37	SMMB37 mbrp	SMMB37 mAHD	SMMB38	SMMB38 mbrp	SMMB38 mAHD	SMMB39	SMMB39 mbrp	SMMB39 mAHD	SMMB41	SMMB41 mbrp	SMMB41 mAHD	SMMB42	SMMB42 mbrp	SMMB42 mAHD
		334.89			**338.11**			**341.42**			**330.89**			**339.75**
10/03/2011	3.95	330.94	10/03/2011	14.25	323.86	20/03/2011	5.22	336.20	17/03/2011	7.89	323.00	17/03/2011	2.22	337.53
20/03/2011	1.01	333.88	27/03/2011	13.18	324.93	27/03/2011	5.62	335.80	27/03/2011	7.73	323.16	27/03/2011	2.27	337.48
27/03/2011	1.86	333.03	29/04/2011	15.18	322.93	10/05/2011	8.48	332.94	4/04/2011	7.91	322.98	4/04/2011	1.99	337.76
29/04/2011	4.35	330.54	10/05/2011	15.53	322.58	19/05/2011	9.09	332.33	6/04/2011	7.89	323.00	6/04/2011	2.39	337.36
10/05/2011	5.02	329.87	19/05/2011	15.70	322.41	24/05/2011	9.42	332.00	10/04/2011	7.92	322.97	10/04/2011	2.30	337.45
19/05/2011	5.49	329.40	24/05/2011	15.79	322.32	31/05/2011	9.85	331.57	20/04/2011	8.23	322.66	20/04/2011	2.47	337.28
24/05/2011	5.72	329.17	31/05/2011	15.95	322.16	19/06/2011	10.77	330.65	21/04/2011	8.28	322.61	21/04/2011	2.49	337.26
31/05/2011	6.10	328.79	29/06/2011	16.01	322.10	29/06/2011	11.02	330.40	24/04/2011	8.36	322.53	24/04/2011	2.51	337.24
19/06/2011	6.57	328.32	8/07/2011	16.14	321.97	15/07/2011	11.74	329.68	27/04/2011	8.45	322.44	27/04/2011	2.55	337.20
29/06/2011	6.75	328.14	15/07/2011	16.21	321.90	20/08/2011	12.64	328.78	3/05/2011	8.58	322.31	3/05/2011	2.58	337.17
15/07/2011	7.12	327.77	20/08/2011	16.23	321.88	7/09/2011	13.00	328.42	10/05/2011	8.73	322.16	10/05/2011	2.67	337.08
20/08/2011	7.57	327.32	7/09/2011	16.30	321.81	7/10/2011	13.53	327.89	19/05/2011	8.90	321.99	19/05/2011	2.76	336.99
7/09/2011	7.77	327.12	7/10/2011	16.37	321.74	12/11/2011	13.06	328.36	24/05/2011	8.97	321.92	24/05/2011	2.78	336.97
7/10/2011	8.04	326.85	12/11/2011	16.42	321.69	11/12/2011	14.08	327.34	31/05/2011	9.80	321.09	31/05/2011	2.90	336.85
12/11/2011	8.30	326.59	11/12/2011	16.32	321.79	1/01/2012	14.17	327.25	29/06/2011	9.23	321.66	29/06/2011	3.00	336.75
11/12/2011	8.29	326.60	1/01/2012	16.36	321.75	4/02/2012	14.36	327.06	15/07/2011	9.33	321.56	15/07/2011	3.15	336.60
1/01/2012	8.33	326.56	4/02/2012	16.26	321.85	27/04/2012	12.99	328.43	20/08/2011	9.51	321.38	20/08/2011	3.58	336.17
4/02/2012	8.51	326.38	27/04/2012	16.20	321.91	26/05/2012	13.55	327.87	7/09/2011	9.56	321.33	7/09/2011	3.93	335.82
27/04/2012	7.54	327.35	26/05/2012	16.31	321.80	29/06/2012	14.00	327.42	7/10/2011	10.05	320.84	7/10/2011	4.75	335.00
26/05/2012	7.99	326.90	29/06/2012	16.34	321.77	25/07/2012	14.25	327.17	12/11/2011	10.37	320.52	12/11/2011	5.24	334.51
29/06/2012	8.32	326.57	25/07/2012	16.35	321.76	23/08/2012	14.48	326.94	11/12/2011	10.50	320.39	11/12/2011	5.20	334.55
25/07/2012	8.48	326.41	23/08/2012	16.40	321.71	17/09/2012	14.66	326.76	1/01/2012	10.28	320.61	1/01/2012	5.61	334.14
23/08/2012	8.70	326.19	17/09/2012	16.64	321.47	11/10/2012	14.81	326.61	4/02/2012	10.53	320.36	4/02/2012	5.17	334.58
17/09/2012	8.93	325.96	11/10/2012	16.55	321.56	11/12/2012	15.16	326.26	27/04/2012	10.24	320.65	27/04/2012	3.75	336.00
11/10/2012	9.01	325.88	11/12/2012	16.51	321.60	8/01/2013	14.90	326.52	26/05/2012	10.49	320.40	26/05/2012	3.92	335.83
11/12/2012	9.39	325.50	8/01/2013	16.61	321.50	9/03/2013	14.96	326.46	29/06/2012	10.74	320.15	29/06/2012	4.15	335.60
8/01/2013	9.18	325.71	9/03/2013	16.21	321.90	8/04/2013	16.92	324.50	25/07/2012	10.52	320.37	25/07/2012	4.50	335.25
8/04/2013	8.99	325.90	8/04/2013	16.46	321.65	2/05/2013	15.69	325.73	23/08/2012	11.12	319.77	23/08/2012	5.42	334.33
2/05/2013	9.38	325.51	2/05/2013	16.59	321.52	14/06/2013	15.39	326.03	17/09/2012	11.45	319.44	17/09/2012	6.13	333.62
14/06/2013	9.69	325.20	14/06/2013	16.96	321.15	17/07/2013	15.85	325.57	11/10/2012	11.50	319.39	11/10/2012	6.53	333.22
17/07/2013	9.91	324.98	17/07/2013	17.38	320.73	11/09/2013	16.42	325.00	11/12/2012	12.49	318.40	11/12/2012	8.65	331.10
11/09/2013	10.57	324.32	11/09/2013	17.38	320.73	7/10/2013	16.57	324.85	8/01/2013	11.84	319.05	8/01/2013	7.12	332.63
7/10/2013	10.71	324.18	7/10/2013	17.77	320.34	2/02/2014	16.12	325.30	9/03/2013	10.81	320.08	9/03/2013	5.79	333.96
2/02/2014	10.02	324.87	2/02/2014	16.60	321.51	31/10/2014	15.10	326.32	8/04/2013	11.21	319.68	8/04/2013	5.69	334.06
31/10/2014	9.49	325.40	1/07/2014	16.40	321.71	31/10/2015	16.47	324.95	2/05/2013	11.87	319.02	2/05/2013	6.42	333.33
31/10/2015	10.65	324.24	1/07/2014	16.40	321.71	31/10/2016	17.15	324.27	14/06/2013	12.58	318.31	17/07/2013	8.46	331.29
31/10/2016	11.20	323.69	1/08/2014	16.46	321.65	30/10/2017	13.10	328.32	17/07/2013	12.68	318.21	11/09/2013	9.13	330.62
30/10/2017	7.47	327.42	29/09/2014	16.72	321.39	22/10/2018	16.20	325.22	11/09/2013	13.27	317.62	7/10/2013	9.23	330.52
22/10/2018	10.30	324.59	31/10/2014	16.89	321.22	22/10/2019	16.97	324.45	7/10/2013	13.42	317.47	2/02/2014	8.47	331.28
22/10/2019	10.30	324.59	24/11/2014	17.01	321.10	20/10/2020	17.32	324.10	2/02/2014	12.55	318.34	9/06/2014	7.73	332.02
20/10/2020	11.35	323.54	26/01/2015	15.82	322.29	20/10/2021	16.18	325.24	9/06/2014	11.23	319.66	1/07/2014	8.39	331.36
20/10/2021	10.55	324.34	26/01/2015	15.94	322.17	19/10/2022	15.08	326.34	1/07/2014	11.65	319.24	1/07/2014	8.39	331.36
19/10/2022	9.66	325.23	25/02/2015	16.48	321.63	25/10/2023	13.17	328.25	1/07/2014	11.65	319.24	1/08/2014	8.95	330.80
25/10/2023	7.64	327.25	17/03/2015	17.45	320.66	5/10/2024	13.08	328.34	1/08/2014	12.12	318.77	29/09/2014	8.86	330.89
5/10/2024	7.43	327.46	18/05/2015	16.98	321.13				29/09/2014	12.76	318.13	31/10/2014	9.30	330.45
			10/06/2015	16.81	321.30				31/10/2014	13.09	317.80	24/11/2014	10.92	328.83
			27/09/2015	17.84	320.27				24/11/2014	13.34	317.55	12/12/2014	11.10	328.65
			31/10/2015	18.14	319.97				12/12/2014	13.26	317.63	26/01/2015	8.62	331.13
			30/11/2015	18.39	319.72				26/01/2015	11.21	319.68	25/02/2015	8.93	330.82
			26/12/2015	17.38	320.73				25/02/2015	11.85	319.04	17/03/2015	9.10	330.65
			31/01/2016	16.25	321.86				17/03/2015	11.07	319.82	4/04/2015	8.38	331.37
			8/03/2016	16.75	321.36				4/04/2015	11.69	319.20	18/05/2015	10.06	329.69
			26/03/2016	16.35	321.76				18/05/2015	12.53	318.36	10/06/2015	10.14	329.61
			21/04/2016	16.75	321.36				10/06/2015	12.91	317.98	19/07/2015	10.47	329.28
			17/05/2016	16.59	321.52				19/07/2015	13.38	317.51	15/08/2015	10.35	329.40
			16/06/2016	17.05	321.06				15/08/2015	13.53	317.36	27/09/2015	10.93	328.82
			11/07/2016	17.38	320.73				27/09/2015	13.88	317.01	31/10/2015	11.04	328.71
			12/09/2016	18.26	319.85				31/10/2015	14.05	316.84	30/11/2015	10.97	328.78
			30/11/2016	18.78	319.33				30/11/2015	14.13	316.76	26/12/2015	10.49	329.26
			17/06/2017	16.17	321.94				26/12/2015	14.08	316.81	31/01/2016	8.39	331.36
			10/08/2017	16.31	321.80				31/01/2016	12.75	318.14	8/03/2016	8.61	331.14
			30/09/2017	16.46	321.65				8/03/2016	12.13	318.76	26/03/2016	8.56	331.19
			30/10/2017	15.67	322.44				26/03/2016	11.64	319.25	25/04/2016	9.14	330.61
			30/11/2017	15.48	322.63				25/04/2016	11.64	319.25	18/05/2016	8.91	330.84
			31/12/2017	15.72	322.39				18/05/2016	12.45	318.44	16/06/2016	8.61	331.14
			27/01/2018	15.83	322.28				16/06/2016	12.91	317.98	11/07/2016	8.55	331.20
			22/02/2018	15.40	322.71				11/07/2016	12.79	318.10	12/09/2016	8.38	331.37
			20/03/2018	15.81	322.30				12/09/2016	13.23	317.66	31/10/2016	9.39	330.36
			25/04/2018	16.05	322.06				31/10/2016	13.57	317.32	30/11/2016	9.43	330.32
			22/05/2018	16.19	321.92				30/11/2016	13.78	317.11	21/12/2016	8.03	331.72
			16/06/2018	16.42	321.69				21/12/2016	11.51	319.38	30/01/2017	6.54	333.21
			13/07/2018	16.56	321.55				30/01/2017	9.45	321.44	27/03/2017	2.10	337.65
			15/08/2018	16.62	321.49				27/03/2017	8.07	322.82	21/04/2017	2.32	337.43
			19/09/2018	16.68	321.43				21/04/2017	8.59	322.30	24/05/2017	2.51	337.24
			22/10/2018	16.77	321.34				24/05/2017	8.80	322.09	17/06/2017	2.83	336.92
			16/11/2018	17.55	320.56				17/06/2017	9.50	321.39	15/07/2017	2.96	336.79
			22/10/2019	18.28	319.83				15/07/2017	9.61	321.28	10/08/2017	3.17	336.58
			20/10/2020	19.02	319.09				10/08/2017	9.81	321.08	15/08/2017	3.19	336.56
			20/10/2021	17.94	320.17				15/08/2017	9.84	321.05	30/09/2017	4.03	335.72
			19/10/2022	17.11	321.00				30/09/2017	9.93	320.96	30/10/2017	3.76	335.99
			25/10/2023	15.62	322.49				30/10/2017	9.60	321.29	30/11/2017	4.21	335.54

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB37	SMMB37 mbrp	SMMB37 mAHD	SMMB38	SMMB38 mbrp	SMMB38 mAHD	SMMB39	SMMB39 mbrp	SMMB39 mAHD	SMMB41	SMMB41 mbrp	SMMB41 mAHD	SMMB42	SMMB42 mbrp	SMMB42 mAHD
		334.89			338.11			341.42			330.89			339.75
			5/10/2024	15.42	322.69				30/11/2017	9.52	321.37	31/12/2017	4.76	334.99
									31/12/2017	9.56	321.33	27/01/2018	4.78	334.97
									27/01/2018	9.65	321.24	22/02/2018	4.91	334.84
									22/02/2018	9.80	321.09	20/03/2018	5.16	334.59
									20/03/2018	10.26	320.63	25/04/2018	5.67	334.08
									25/04/2018	10.69	320.20	22/05/2018	5.99	333.76
									22/05/2018	10.94	319.95	16/06/2018	6.19	333.56
									16/06/2018	11.15	319.74	13/07/2018	6.46	333.29
									13/07/2018	11.58	319.31	15/08/2018	6.47	333.28
									15/08/2018	11.73	319.16	19/09/2018	6.54	333.21
									19/09/2018	12.04	318.85	22/10/2018	6.51	333.24
									22/10/2018	12.20	318.69	16/11/2018	7.70	332.05
									16/11/2018	13.10	317.79	14/12/2018	8.07	331.68
									4/02/2019	11.65	319.24	4/02/2019	7.14	332.61
									3/03/2019	11.96	318.93	3/03/2019	7.38	332.37
									30/03/2019	12.40	318.49	30/03/2019	7.62	332.13
									28/04/2019	12.20	318.69	28/04/2019	8.16	331.59
									31/07/2019	12.67	318.22	31/07/2019	8.32	331.43
									29/08/2019	12.78	318.11	29/08/2019	8.47	331.28
									25/09/2019	12.89	318.00	25/09/2019	8.66	331.09
									22/10/2019	12.98	317.91	22/10/2019	8.45	331.30
									27/12/2019	13.32	317.57	27/12/2019	8.63	331.12
									25/01/2020	13.07	317.82	25/01/2020	7.99	331.76
									29/02/2020	11.30	319.59	29/02/2020	6.45	333.30
									30/03/2020	11.71	319.18	30/03/2020	6.90	332.85
									30/04/2020	11.85	319.04	30/04/2020	6.77	332.98
									26/05/2020	12.20	318.69	26/05/2020	6.58	333.17
									25/06/2020	11.54	319.35	25/06/2020	6.71	333.04
									25/08/2020	12.64	318.25	25/08/2020	7.53	332.22
									24/09/2020	12.91	317.98	24/09/2020	7.82	331.93
									20/10/2020	13.02	317.87	20/10/2020	8.06	331.69
									27/11/2020	13.33	317.56	27/11/2020	8.58	331.17
									12/01/2021	12.85	318.04	12/01/2021	8.07	331.68
									27/02/2021	10.23	320.66	27/02/2021	5.39	334.36
									31/03/2021	9.93	320.96	31/03/2021	4.57	335.18
									25/04/2021	9.22	321.67	25/04/2021	4.60	335.15
									24/05/2021	10.04	320.85	24/05/2021	4.91	334.84
									27/06/2021	10.58	320.31	27/06/2021	5.40	334.35
									24/07/2021	11.02	319.87	24/07/2021	5.85	333.90
									20/08/2021	11.24	319.65	20/08/2021	6.34	333.41
									20/09/2021	10.49	320.40	20/09/2021	7.10	332.65
									20/10/2021	11.91	318.98	20/10/2021	7.74	332.01
									13/11/2021	11.63	319.26	13/11/2021	7.74	332.01
									11/12/2021	11.39	319.50	11/12/2021	7.62	332.13
									17/01/2022	10.95	319.94	17/01/2022	8.39	331.36
									4/02/2022	8.81	322.08	8/02/2022	5.00	334.75
									14/03/2022	9.59	321.30	14/03/2022	4.95	334.80
									8/04/2022	9.73	321.16	8/04/2022	5.21	334.54
									3/05/2022	10.10	320.79	8/05/2022	5.91	333.84
									1/06/2022	10.67	320.22	1/06/2022	6.99	332.76
									29/06/2022	11.04	319.85	29/06/2022	6.98	332.77
									29/07/2022	11.26	319.63	29/07/2022	7.42	332.33
									21/08/2022	11.17	319.72	21/08/2022	7.47	332.28
									28/09/2022	11.87	319.02	28/09/2022	7.61	332.14
									23/10/2022	12.17	318.72	23/10/2022	7.64	332.11
									19/11/2022	12.41	318.48	19/11/2022	7.72	332.03
									12/12/2022	11.00	319.89	12/12/2022	7.11	332.64
									10/01/2023	10.04	320.85	10/01/2023	5.66	334.09
									5/02/2023	9.47	321.42	5/02/2023	5.58	334.17
									8/03/2023	8.23	322.66	8/03/2023	3.69	336.06
									5/04/2023	8.49	322.40	5/04/2023	2.57	337.18
									4/05/2023	8.44	322.45	4/05/2023	1.92	337.83
									6/06/2023	8.66	322.23	8/05/2023	1.96	337.79
									25/06/2023	8.79	322.10	6/06/2023	2.10	337.65
									23/07/2023	8.77	322.12	25/06/2023	2.16	337.59
									22/08/2023	8.98	321.91	23/07/2023	1.64	338.11
									27/09/2023	9.34	321.55	29/07/2023	1.70	338.05
									24/10/2023	9.04	321.85	22/08/2023	2.36	337.39
									24/11/2023	9.42	321.47	27/09/2023	3.12	336.63
									16/12/2023	9.77	321.12	24/10/2023	3.52	336.23
									9/01/2024	9.96	320.93	19/11/2023	4.36	335.39
									22/03/2024	7.86	323.03	24/11/2023	4.36	335.39
									16/04/2024	7.98	322.91	16/12/2023	4.75	335.00
									15/05/2024	8.11	322.78	9/01/2024	5.46	334.29
									16/06/2024	8.49	322.40	22/03/2024	2.38	337.37
									12/07/2024	8.83	322.06	16/04/2024	1.13	338.62
									30/08/2024	9.17	321.72	15/05/2024	1.26	338.49
									27/09/2024	9.23	321.66	16/06/2024	1.34	338.41
									5/10/2024	9.33	321.56	1/07/2024	1.51	338.24
									30/11/2024	9.27	321.62	12/07/2024	1.47	338.28
									28/12/2024	9.30	321.59	30/08/2024	2.09	337.66
									28/01/2025	9.20	321.69	27/09/2024	2.35	337.40
									28/02/2025	8.83	322.06	5/10/2024	2.84	336.91
									31/03/2025	8.81	322.08	30/11/2024	2.45	337.30
									24/04/2025	9.05	321.84	27/12/2024	3.03	336.72
									21/05/2025	9.04	321.85	28/01/2025	2.33	337.42
									22/06/2025	9.13	321.76	28/02/2025	1.99	337.76
												26/03/2025	1.86	337.89
												24/04/2025	1.78	337.97
												21/05/2025	1.92	337.83
												15/06/2025	2.47	337.28

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB43	SMMB43 mbrp	SMMB43 mAHD	SMMB44	SMMB44 mbrp	SMMB44 mAHD	SMMB45	SMMB45 mbrp	SMMB45 mAHD	SMMB46	SMMB46 mbrp	SMMB46 mAHD	SMMB47	SMMB47 mbrp	SMMB47 mAHD
		345.17			**321.48**			**315.49**			**396.23**			**403.90**
17/03/2011	4.08	341.09	17/03/2011	3.61	317.87	4/04/2011	1.43	314.06	27/03/2011	18.66	377.57	27/03/2011	24.46	379.44
27/03/2011	4.21	340.96	27/03/2011	2.78	318.70	7/04/2011	1.44	314.05	29/03/2011	19.18	377.05	29/03/2011	23.90	380.00
4/04/2011	4.53	340.64	4/04/2011	2.62	318.86	10/04/2011	1.62	313.87	4/04/2011	19.41	376.82	4/04/2011	24.40	379.50
6/04/2011	4.51	340.66	7/04/2011	2.68	318.80	20/04/2011	2.14	313.35	8/04/2011	19.26	376.97	8/04/2011	24.03	379.87
10/04/2011	4.59	340.58	10/04/2011	2.80	318.68	21/04/2011	2.16	313.33	10/04/2011	19.43	376.80	10/04/2011	23.81	380.09
20/04/2011	5.17	340.00	20/04/2011	3.26	318.22	25/04/2011	2.33	313.16	20/04/2011	20.11	376.12	20/04/2011	25.32	378.58
21/04/2011	5.08	340.09	25/04/2011	3.61	317.87	27/04/2011	2.42	313.07	22/04/2011	20.25	375.98	22/04/2011	25.78	378.12
24/04/2011	5.25	339.92	27/04/2011	3.76	317.72	3/05/2011	2.62	312.87	24/04/2011	20.36	375.87	27/04/2011	26.84	377.06
27/04/2011	5.30	339.87	3/05/2011	4.25	317.23	10/05/2011	2.84	312.65	27/04/2011	20.58	375.65	3/05/2011	28.02	375.88
3/05/2011	5.47	339.70	10/05/2011	4.90	316.58	19/05/2011	3.15	312.34	3/05/2011	20.91	375.32	10/05/2011	29.17	374.73
10/05/2011	5.65	339.52	19/05/2011	5.61	315.87	24/05/2011	3.29	312.20	19/05/2011	21.74	374.49	19/05/2011	30.25	373.65
19/05/2011	5.80	339.37	24/05/2011	5.97	315.51	31/05/2011	3.40	312.09	24/05/2011	22.09	374.14	31/05/2011	30.53	373.37
24/05/2011	5.87	339.30	31/05/2011	6.40	315.08	29/06/2011	3.98	311.51	31/05/2011	22.43	373.80	20/08/2011	30.62	373.28
31/05/2011	5.99	339.18	29/06/2011	8.12	313.36	15/07/2011	4.32	311.17	15/07/2011	24.81	371.42	7/09/2011	30.64	373.26
29/06/2011	6.20	338.97	15/07/2011	9.23	312.25	20/08/2011	4.85	310.64	20/08/2011	25.52	370.71	12/11/2011	30.79	373.11
15/07/2011	6.49	338.68	20/08/2011	9.68	311.80	7/09/2011	5.16	310.33	7/09/2011	25.61	370.62	11/12/2011	30.85	373.05
20/08/2011	7.04	338.13	7/09/2011	10.28	311.20	7/10/2011	5.54	309.95	7/10/2011	25.69	370.54	1/01/2012	31.43	372.47
7/09/2011	7.33	337.84	7/10/2011	10.91	310.57	12/11/2011	5.92	309.57	11/12/2011	25.26	370.97	4/02/2012	30.86	373.04
7/10/2011	7.95	337.22	12/11/2011	11.21	310.27	11/12/2011	6.11	309.38	1/01/2012	25.58	370.65	27/04/2012	30.89	373.01
12/11/2011	8.47	336.70	11/12/2011	11.31	310.17	1/01/2012	6.23	309.26	4/02/2012	25.60	370.63	26/05/2012	31.07	372.83
11/12/2011	8.23	336.94	1/01/2012	11.53	309.95	4/02/2012	6.40	309.09	27/04/2012	24.09	372.14	29/06/2012	30.87	373.03
1/01/2012	8.67	336.50	4/02/2012	10.72	310.76	27/04/2012	5.71	309.78	26/05/2012	25.33	370.90	25/07/2012	30.86	373.04
4/02/2012	9.10	336.07	27/04/2012	11.27	310.21	26/05/2012	6.08	309.41	29/06/2012	25.79	370.44	23/08/2012	31.01	372.89
27/04/2012	8.38	336.79	26/05/2012	12.15	309.33	29/06/2012	6.52	308.97	25/07/2012	25.87	370.36	17/09/2012	30.90	373.00
26/05/2012	8.52	336.65	29/06/2012	12.55	308.93	25/07/2012	6.82	308.67	23/08/2012	25.53	370.70	11/10/2012	30.91	372.99
29/06/2012	8.78	336.39	25/07/2012	12.86	308.62	23/08/2012	7.14	308.35	17/09/2012	25.97	370.26	11/12/2012	30.91	372.99
25/07/2012	9.00	336.17	23/08/2012	13.04	308.44	17/09/2012	7.44	308.05	11/10/2012	26.03	370.20	8/01/2013	30.92	372.98
23/08/2012	9.65	335.52	17/09/2012	13.76	307.72	11/10/2012	7.58	307.91	11/12/2012	26.05	370.18	9/03/2013	31.93	371.97
17/09/2012	10.30	334.87	11/10/2012	13.08	308.40	11/12/2012	8.25	307.24	8/01/2013	26.91	369.32	8/04/2013	30.93	372.97
11/10/2012	10.48	334.69	11/12/2012	12.76	308.72	8/01/2013	7.68	307.81	9/03/2013	23.67	372.56	2/05/2013	31.03	372.87
11/12/2012	11.98	333.19	8/01/2013	12.98	308.50	9/03/2013	7.44	308.05	8/04/2013	24.22	372.01	14/06/2013	31.14	372.76
8/01/2013	5.52	339.65	9/03/2013	14.35	307.13	8/04/2013	7.58	307.91	2/05/2013	25.03	371.20	17/07/2013	30.91	372.99
9/03/2013	9.46	335.71	8/04/2013	14.93	306.55	2/05/2013	8.03	307.46	14/06/2013	25.86	370.37	11/09/2013	30.99	372.91
8/04/2013	10.00	335.17	17/07/2013	15.07	306.41	14/06/2013	8.03	307.46	17/07/2013	25.97	370.26	7/10/2013	31.25	372.65
17/07/2013	11.81	333.36	11/09/2013	14.51	306.97	17/07/2013	8.06	307.43	11/09/2013	26.03	370.20	2/02/2014	31.10	372.80
11/09/2013	12.73	332.44	7/10/2013	13.08	308.40	11/09/2013	9.01	306.48	7/10/2013	36.06	360.17	9/06/2014	31.06	372.84
7/10/2013	12.43	332.74	2/02/2014	14.47	307.01	7/10/2013	9.46	306.03	2/02/2014	25.57	370.66	1/07/2014	31.09	372.81
2/02/2014	12.70	332.47	1/08/2014	12.88	308.60	2/02/2014	9.17	306.32	9/06/2014	25.23	371.00	1/07/2014	31.09	372.81
9/06/2014	10.79	334.38	24/11/2014	13.84	307.64	9/06/2014	6.59	308.90	1/07/2014	25.50	370.73	1/08/2014	31.10	372.80
1/07/2014	11.29	333.88	25/02/2015	15.06	306.42	1/07/2014	6.87	308.62	1/07/2014	25.50	370.73	29/09/2014	31.11	372.79
1/07/2014	11.29	333.88	18/05/2015	15.85	305.63	1/07/2014	6.87	308.62	1/08/2014	25.64	370.59	31/10/2014	31.13	372.77
1/08/2014	12.02	333.15	15/08/2015	15.64	305.84	1/08/2014	7.22	308.27	29/09/2014	25.75	370.48	24/11/2014	31.15	372.75
29/09/2014	12.36	332.81	30/11/2015	15.60	305.88	29/09/2014	7.82	307.67	31/10/2014	24.79	371.44	12/12/2014	31.26	372.64
31/10/2014	12.77	332.40	8/03/2016	14.79	306.69	31/10/2014	8.22	307.27	24/11/2014	25.81	370.42	26/01/2015	31.21	372.69
24/11/2014	14.69	330.48	18/05/2016	14.79	306.69	24/11/2014	8.46	307.03	12/12/2014	26.05	370.18	25/02/2015	31.29	372.61
12/12/2014	15.90	329.27	12/09/2016	15.24	306.24	12/12/2014	9.15	306.34	26/01/2015	24.58	371.65	17/03/2015	31.32	372.58
26/01/2015	12.91	332.26	30/11/2016	15.58	305.90	26/01/2015	7.58	307.91	25/02/2015	23.80	372.43	4/04/2015	31.39	372.51
25/02/2015	13.12	332.05	27/03/2017	2.33	319.15	25/02/2015	7.18	308.31	17/03/2015	22.81	373.42	18/05/2015	31.36	372.54
17/03/2015	13.11	332.06	17/06/2017	6.94	314.54	17/03/2015	7.09	308.40	4/04/2015	23.56	372.67	10/06/2015	31.38	372.52
4/04/2015	12.55	332.62	15/07/2017	7.36	314.12	4/04/2015	7.78	307.71	18/05/2015	25.07	371.16	19/07/2015	31.51	372.39
18/05/2015	14.88	330.29	10/08/2017	8.10	313.38	18/05/2015	7.88	307.61	10/06/2015	25.44	370.79	15/08/2015	31.53	372.37
10/06/2015	15.12	330.05	30/10/2017	11.02	310.46	10/06/2015	8.13	307.36	19/07/2015	25.93	370.30	27/09/2015	31.47	372.43
19/07/2015	15.70	329.47	30/11/2017	11.42	310.06	19/07/2015	9.09	306.40	15/08/2015	25.97	370.26	31/10/2015	31.51	372.39
15/08/2015	15.59	329.58	22/02/2018	11.49	309.99	15/08/2015	9.33	306.16	27/09/2015	24.83	371.40	30/11/2015	31.49	372.41
27/09/2015	16.14	329.03	25/04/2018	13.99	307.49	27/09/2015	9.26	306.23	31/10/2015	25.86	370.37	26/12/2015	31.56	372.34
31/10/2015	16.36	328.81	16/06/2018	14.70	306.78	31/10/2015	9.53	305.96	30/11/2015	25.83	370.40	31/01/2016	31.61	372.29
30/11/2015	16.37	328.80	22/10/2018	13.71	307.77	30/11/2015	9.76	305.73	26/12/2015	25.38	370.85	8/03/2016	31.72	372.18
26/12/2015	15.80	329.37	22/10/2018	14.80	306.68	26/12/2015	9.93	305.56	31/01/2016	25.65	370.58	26/03/2016	31.63	372.27
31/01/2016	12.22	332.95	16/11/2018	14.70	306.78	31/01/2016	10.02	305.47	8/03/2016	25.73	370.50	25/04/2016	31.61	372.29
8/03/2016	12.75	332.42	3/03/2019	13.71	307.77	8/03/2016	9.94	305.55	26/03/2016	25.23	371.00	18/05/2016	31.62	372.28
26/03/2016	12.20	332.97	29/08/2019	14.16	307.32	26/03/2016	9.39	306.10	25/04/2016	25.14	371.09	16/06/2016	31.63	372.27
25/04/2016	13.11	332.06	22/10/2019	15.04	306.44	26/03/2016	9.35	306.14	18/05/2016	25.60	370.63	11/07/2016	31.65	372.25
18/05/2016	13.11	332.06	29/02/2020	14.04	307.44	25/04/2016	9.34	306.15	16/06/2016	25.78	370.45	12/09/2016	31.66	372.24
16/06/2016	11.90	333.27	26/05/2020	14.30	307.18	18/05/2016	9.48	306.01	11/07/2016	25.87	370.36	30/11/2016	31.67	372.23
11/07/2016	11.07	334.10	20/08/2021	13.17	308.31	16/06/2016	9.62	305.87	12/09/2016	25.27	370.96	27/03/2017	24.67	379.23
12/09/2016	12.19	332.98	4/02/2022	9.70	311.78	11/07/2016	9.84	305.65	31/10/2016	26.04	370.19	24/05/2017	30.58	373.32
31/10/2016	12.94	332.23	3/05/2022	10.75	310.73	12/09/2016	10.12	305.37	30/11/2016	26.10	370.13	15/07/2017	30.60	373.30
30/11/2016	13.15	332.02	21/08/2022	12.60	308.88	31/10/2016	10.72	304.77	21/12/2016	25.40	370.83	10/08/2017	30.60	373.30
21/12/2016	11.82	333.35	23/09/2022	13.06	308.42	30/11/2016	10.32	305.17	30/01/2017	21.17	375.06	30/09/2017	30.64	373.26
30/01/2017	8.96	336.21	23/10/2022	13.46	308.02	21/12/2016	9.25	306.24	27/03/2017	19.85	376.38	30/10/2017	29.76	374.14
27/03/2017	4.79	340.38	19/11/2022	13.85	307.63	30/01/2017	4.50	310.99	21/04/2017	2.12	394.11	30/11/2017	29.75	374.15
21/04/2017	5.34	339.83	13/01/2023	10.00	311.48	27/03/2017	1.44	314.05	24/05/2017	21.90	374.33	31/12/2017	29.80	374.10
24/05/2017	5.86	339.31	5/02/2023	9.15	312.33	21/04/2017	2.35	313.14	17/06/2017	23.84	372.39	27/01/2018	28.84	375.06
17/06/2017	6.72	338.45	8/03/2023	5.23	316.25	24/05/2017	2.90	312.59	15/07/2017	24.87	371.36	22/02/2018	29.85	374.05
15/07/2017	7.22	337.95	2/05/2023	6.84	314.64	17/06/2017	3.67	311.82	10/08/2017	25.08	371.15	20/03/2018	29.85	374.05
10/08/2017	7.52	337.65	4/05/2023	6.84	314.64	15/07/2017	3.86	311.63	30/09/2017	25.25	370.98	25/04/2018	29.86	374.04
30/09/2017	8.32	336.85	23/07/2023	8.21	313.27	10/08/2017	4.20	311.29	30/10/2017	24.41	371.82	22/05/2018	29.85	374.05
30/10/2017	8.06	337.11	24/10/2023	9.76	311.72	30/09/2017	4.88	310.61	30/11/2017	24.40	371.83	16/06/2018	29.86	374.04
30/11/2017	8.17	337.00				30/10/2017	4.23	311.26	31/12/2017	24.46	371.77	13/07/2018	29.86	374.04
31/12/2017	8.70	336.47				30/11/2017	4.48	311.01	27/01/2018	24.52	371.71	15/08/2018	29.89	374.01
27/01/2018	8.78	336.39				31/12/2017	4.76	310.73	22/02/2018	24.78	371.45	19/09/2018	2.87	401.03

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB43	SMMB43 mbrp	SMMB43 mAHD	SMMB44	SMMB44 mbrp	SMMB44 mAHD	SMMB45	SMMB45 mbrp	SMMB45 mAHD	SMMB46	SMMB46 mbrp	SMMB46 mAHD	SMMB47	SMMB47 mbrp	SMMB47 mAHD
		345.17			321.48			315.49			396.23			403.90
22/02/2018	8.89	336.28				27/01/2018	4.90	310.59	20/03/2018	24.86	371.37	22/10/2018	28.98	374.92
20/03/2018	9.23	335.94				22/02/2018	5.55	309.94	25/04/2018	24.87	371.36	16/11/2018	30.81	373.09
25/04/2018	9.78	335.39	18/11/2023	10.40	311.08	20/03/2018	5.74	309.75	22/05/2018	24.69	371.54	4/02/2019	30.83	373.07
22/05/2018	9.99	335.18	15/05/2024	4.88	316.60	25/04/2018	6.35	309.14	16/06/2018	24.63	371.60	3/03/2019	30.84	373.06
16/06/2018	10.15	335.02	30/08/2024	8.83	312.65	22/05/2018	6.64	308.85	13/07/2018	18.61	377.62	30/03/2019	30.84	373.06
13/07/2018	10.36	334.81	28/02/2025	8.30	313.18	16/06/2018	6.85	308.64	15/08/2018	24.79	371.44	28/04/2019	30.98	372.92
15/08/2018	10.45	334.72	21/05/2025	9.94	311.54	13/07/2018	7.21	308.28	19/09/2018	24.49	371.74	31/07/2019	29.99	373.91
19/09/2018	10.51	334.66				15/08/2018	7.40	308.09	22/10/2018	24.89	371.34	29/08/2019	30.00	373.90
22/10/2018	10.57	334.60				19/09/2018	7.86	307.63	16/11/2018	25.58	370.65	25/09/2019	30.02	373.88
16/11/2018	10.30	334.87				22/10/2018	8.17	307.32	14/12/2018	25.60	370.63	22/10/2019	30.03	373.87
14/12/2018	11.23	333.94				16/11/2018	8.91	306.58	4/02/2019	25.17	371.06	27/12/2019	30.18	373.72
4/02/2019	8.21	336.96				14/12/2018	9.24	306.25	3/03/2019	23.51	372.72	25/01/2020	30.11	373.79
3/03/2019	9.69	335.48				4/02/2019	7.88	307.61	30/03/2019	24.59	371.64	29/02/2020	30.11	373.79
30/03/2019	10.95	334.22				3/03/2019	8.24	307.25	28/04/2019	25.42	370.81	30/03/2020	30.18	373.72
28/04/2019	11.71	333.46				30/03/2019	8.21	307.28	31/07/2019	24.75	371.48	30/04/2020	30.01	373.89
31/05/2019	11.98	333.19				28/04/2019	9.21	306.28	29/08/2019	24.72	371.51	26/05/2020	30.22	373.68
30/06/2019	12.91	332.26				31/07/2019	8.14	307.35	25/09/2019	24.78	371.45	25/06/2020	30.25	373.65
4/07/2019	12.91	332.26				29/08/2019	8.36	307.13	22/10/2019	24.83	371.40	25/08/2020	30.44	373.46
31/07/2019	13.29	331.88				25/09/2019	8.58	306.91	27/12/2019	24.81	371.42	24/09/2020	30.36	373.54
29/08/2019	13.37	331.80				22/10/2019	8.72	306.77	25/01/2020	24.83	371.40	20/10/2020	30.33	373.57
25/09/2019	13.71	331.46				27/12/2019	9.57	305.92	29/02/2020	22.82	373.41	27/11/2020	30.46	373.44
22/10/2019	13.68	331.49				25/01/2020	9.22	306.27	30/03/2020	24.22	372.01	12/01/2021	30.64	373.26
27/12/2019	13.63	331.54				29/02/2020	7.86	307.63	30/04/2020	24.50	371.73	27/02/2021	30.44	373.46
25/01/2020	13.27	331.90				30/03/2020	7.87	307.62	26/05/2020	24.76	371.47	31/03/2021	29.98	373.92
29/02/2020	9.33	335.84				30/04/2020	7.90	307.59	25/06/2020	24.69	371.54	25/04/2021	30.09	373.81
30/03/2020	11.10	334.07				26/05/2020	8.01	307.48	25/08/2020	25.00	371.23	24/05/2021	30.25	373.65
30/04/2020	10.90	334.27				25/06/2020	8.67	306.82	24/09/2020	25.03	371.20	27/06/2021	30.46	373.44
26/05/2020	11.20	333.97				25/08/2020	9.24	306.25	20/10/2020	25.02	371.21	24/07/2021	30.52	373.38
25/08/2020	11.89	333.28				20/10/2020	9.66	305.83	27/11/2020	24.76	371.47	20/08/2021	30.59	373.31
23/09/2020	11.85	333.32				27/11/2020	9.86	305.63	12/01/2021	25.01	371.22	20/09/2021	30.65	373.25
24/09/2020	11.85	333.32				12/01/2021	9.76	305.73	27/02/2021	21.42	374.81	20/10/2021	30.7	373.2
20/10/2020	12.11	333.06				27/02/2021	6.82	308.67	31/03/2021	20.93	375.30	13/11/2021	30.76	373.14
26/11/2020	11.73	333.44				31/03/2021	6.01	309.48	25/04/2021	21.97	374.26	10/12/2021	30.78	373.12
12/01/2021	11.74	333.43				25/04/2021	6.17	309.32	24/05/2021	23.31	372.92	17/01/2022	30.80	373.10
27/02/2021	8.51	336.66				24/05/2021	6.51	308.98	27/06/2021	24.45	371.78	4/02/2022	30.82	373.08
31/03/2021	8.43	336.74				24/07/2021	7.13	308.36	24/07/2021	14.82	381.41	13/03/2022	30.71	373.19
25/04/2021	8.90	336.27				20/08/2021	7.43	308.06	20/08/2021	24.89	371.34	7/04/2022	30.56	373.34
24/05/2021	9.11	336.06				20/09/2021	7.76	307.73	20/09/2021	24.90	371.33	3/05/2022	30.56	373.34
24/06/2021	9.59	335.58				20/10/2021	7.77	307.72	20/10/2021			1/06/2022	30.63	373.27
27/06/2021	9.59	335.58				13/11/2021	8.07	307.42	13/11/2021	30.79	365.44	27/06/2022	30.67	373.23
24/07/2021	10.27	334.90				11/12/2021	8.36	307.13	10/12/2021	24.94	371.29	28/07/2022	30.73	373.17
20/08/2021	10.68	334.49				17/01/2022	8.52	306.97	17/01/2022	24.95	371.28	20/08/2022	30.76	373.14
25/08/2021	10.75	334.42				4/02/2022	5.22	310.27	4/02/2022	21.21	375.02	28/09/2022	30.77	373.13
20/09/2021	11.01	334.16				14/03/2022	4.79	310.70	14/03/2022	21.16	375.07	21/10/2022	30.81	373.09
20/10/2021	11.59	333.58				8/04/2022	5.29	310.20	7/04/2022	22.48	373.75	18/11/2022	30.82	373.08
14/11/2021	11.84	333.33				3/05/2022	5.66	309.83	3/05/2022	23.36	372.87	11/12/2022	30.83	373.07
11/12/2021	12.30	332.87				2/06/2022	6.00	309.49	1/06/2022	24.38	371.85	11/01/2023	30.84	373.06
17/01/2022	12.65	332.52				3/06/2022	6.00	309.49	27/06/2022	24.75	371.48	4/02/2023	30.83	373.07
8/02/2022	6.86	338.31				29/06/2022	6.26	309.23	29/07/2022	24.81	371.42	7/03/2023	27.96	375.94
14/03/2022	7.81	337.36				29/07/2022	6.72	308.77	20/08/2022	24.59	371.64	4/04/2023	29.10	374.80
8/04/2022	8.35	336.82				21/08/2022	7.12	308.37	28/09/2022	24.85	371.38	3/05/2023	29.47	374.43
5/05/2022	9.00	336.17				23/09/2022	7.45	308.04	22/10/2022	24.27	371.96	5/06/2023	29.78	374.12
1/06/2022	9.91	335.26				28/09/2022	7.45	308.04	18/11/2022	24.82	371.41	25/06/2023	29.78	374.12
29/06/2022	10.15	335.02				21/10/2022	7.75	307.74	11/12/2022	24.91	371.32	22/07/2023	29.80	374.10
29/07/2022	10.59	334.58				24/10/2022	7.75	307.74	11/01/2023	22.31	373.92	21/08/2023	29.84	374.06
21/08/2022	10.99	334.18				19/11/2022	8.11	307.38	4/02/2023	22.13	374.10	26/09/2023	29.77	374.13
29/08/2022	10.99	334.18				12/12/2022	7.33	308.16	7/03/2023	20.08	376.15	23/10/2023	29.85	374.05
28/09/2022	11.22	333.95				10/01/2023	5.46	310.03	4/04/2023	20.47	375.76	23/11/2023	29.89	374.01
23/10/2022	11.47	333.70				14/01/2023	5.20	310.29	4/05/2023	20.58	375.65	15/12/2023	29.83	374.07
19/11/2022	11.63	333.54				5/02/2023	4.21	311.28	5/06/2023	22.27	373.96	8/01/2024	29.94	373.96
12/12/2022	9.95	335.22				8/03/2023	2.26	313.23	25/06/2023	23.08	373.15	22/03/2024	29.69	374.21
16/12/2022	9.94	335.23				12/03/2023	2.26	313.23	22/07/2023	23.85	372.38	16/04/2024	29.82	374.08
10/01/2023	7.74	337.43				5/04/2023	2.93	312.56	21/08/2023	24.38	371.85	15/05/2024	29.67	374.23
5/02/2023	6.73	338.44				2/05/2023	2.99	312.50	27/09/2023	24.67	371.56	16/06/2024	29.62	374.28
9/02/2023	6.73	338.44				4/05/2023	2.99	312.50	24/10/2023	24.72	371.51	12/07/2024	29.77	374.13
8/03/2023	4.28	340.89				6/06/2023	3.52	311.97	24/11/2023	24.76	371.47	30/08/2024	29.73	374.17
5/04/2023	4.37	340.80				25/06/2023	3.64	311.85	15/12/2023	24.79	371.44	27/09/2024	29.79	374.11
4/05/2023	3.91	341.26				23/07/2023	3.53	311.96	8/01/2024	24.61	371.62	5/10/2024	29.86	374.04
8/05/2023	4.14	341.03				22/08/2023	3.87	311.62	22/03/2024	20.81	375.42	30/11/2024	29.88	374.02
6/06/2023	4.49	340.68				27/09/2023	4.26	311.23	16/04/2024	20.84	375.39	28/12/2024	29.91	373.99
25/06/2023	4.56	340.61				24/10/2023	4.64	310.85	15/05/2024	21.01	375.22	28/01/2025	29.84	374.06
23/07/2023	4.69	340.48				18/11/2023	5.03	310.46	16/06/2024	21.87	374.36	28/02/2025	29.86	374.04
28/07/2023	4.69	340.48				24/11/2023	5.03	310.46	12/07/2024	23.39	372.84	24/04/2025	29.96	373.94
22/08/2023	5.01	340.16				16/12/2023	5.42	310.07	30/08/2024	24.61	371.62	21/05/2025	29.85	374.05
27/09/2023	5.24	339.93				9/01/2024	5.60	309.89	27/09/2024	24.68	371.55	22/06/2025	29.88	374.02
24/10/2023	5.78	339.39				22/03/2024	2.00	313.49	5/10/2024	24.74	371.49			
19/11/2023	6.24	338.93				16/04/2024	2.02	313.47	30/11/2024	24.62	371.61			

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB43	SMMB43 mbrp	SMMB43 mAHD	SMMB44	SMMB44 mbrp	SMMB44 mAHD	SMMB45	SMMB45 mbrp	SMMB45 mAHD	SMMB46	SMMB46 mbrp	SMMB46 mAHD	SMMB47	SMMB47 mbrp	SMMB47 mAHD
		345.17			**321.48**			**315.49**			**396.23**			**403.90**
24/11/2023	6.24	338.93				15/05/2024	2.12	313.37	28/12/2024	24.68	371.55			
16/12/2023	6.64	338.53				16/06/2024	2.73	312.76	28/01/2025	24.58	371.65			
9/01/2024	7.35	337.82				12/07/2024	3.28	312.21	28/02/2025	22.73	373.50			
22/03/2024	4.36	340.81				30/08/2024	4.12	311.37	31/03/2025	22.64	373.59			
16/04/2024	4.37	340.80				27/09/2024	4.25	311.24	24/04/2025	23.61	372.62			
15/05/2024	4.45	340.72				5/10/2024	4.39	311.10	21/05/2025	24.31	371.92			
16/06/2024	4.27	340.90				30/11/2024	4.64	310.85	22/06/2025	24.89	371.34			
28/06/2024	4.21	340.96				28/12/2024	4.74	310.75						
12/07/2024	4.29	340.88				28/01/2025	4.77	310.72						
30/08/2024	4.84	340.33				28/02/2025	3.55	311.94						
27/09/2024	4.86	340.31				31/03/2025	3.52	311.97						
5/10/2024	4.89	340.28				24/04/2025	4.24	311.25						
30/11/2024	4.67	340.50				21/05/2025	4.70	310.79						
27/12/2024	4.86	340.31				22/06/2025	4.46	311.03						
28/01/2025	4.55	340.62												
28/02/2025	4.19	340.98												
26/03/2025	4.22	340.95												
24/04/2025	4.50	340.67												
21/05/2025	4.58	340.59												
15/06/2025	5.57	339.60												

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB48	SMMB48 mbrp	SMMB48 mAHD	SMMB49S/ Sa	SMMB49S/ Sa mbrp	SMMB49S/ Sa mAHD	SMMB51	SMMB51 mbrp	SMMB51 mAHD	SMMB52	SMMB52 mbrp	SMMB52 mAHD	SMMB53	SMMB53m brp	SMMB53 mAHD
		324.16			**369.12**			**383.98**			**376.56**			**382.15**
4/04/2011	1.94	322.22	29/06/2011	16.04	353.08	25/06/2011	12.90	371.08	29/06/2011	1.61	374.95	25/06/2011	4.82	377.33
10/04/2011	2.13	322.03	13/07/2011	16.30	352.82	29/06/2011	13.09	370.89	12/07/2011	1.58	dry	29/06/2011	4.83	377.32
20/04/2011	2.34	321.82	15/07/2011	16.24	352.88	15/07/2011	14.27	369.71	15/07/2011	1.82	374.74	15/07/2011	5.14	377.01
22/04/2011	2.36	321.80	22/07/2011		Inaccesible	22/07/2011	14.30	369.68	22/07/2011	1.50	375.06	22/07/2011	5.17	376.98
23/04/2011	2.37	321.79	30/07/2011	16.47	352.65	30/07/2011	15.28	368.70	30/07/2011	1.99	374.57	30/07/2011	5.34	376.81
27/04/2011	2.42	321.74	20/08/2011	16.78	352.34	20/08/2011	16.79	367.19	20/08/2011	2.23	374.33	20/08/2011	5.76	376.39
3/05/2011	2.46	321.70	7/09/2011	17.01	352.11	7/09/2011	17.95	366.03	7/09/2011	2.46	374.10	7/09/2011	6.12	376.03
10/05/2011	2.59	321.57	7/10/2011	17.79	351.33	7/10/2011	19.81	364.17	7/10/2011	2.90	373.66	7/10/2011	6.71	375.44
19/05/2011	2.67	321.49	12/11/2011	18.12	351.00	12/11/2011	21.47	362.51	12/11/2011	3.25	373.31	12/11/2011	7.36	374.79
24/05/2011	2.71	321.45	11/12/2011	17.78	351.34	11/12/2011	21.71	362.27	11/12/2011	3.65	372.91	11/12/2011	7.74	374.41
31/05/2011	2.80	321.36	1/01/2012	17.70	351.42	1/01/2012	22.66	361.32	1/01/2012	3.93	372.63	1/01/2012	8.04	374.11
29/06/2011	2.94	321.22	4/02/2012	16.99	352.13	4/02/2012	22.43	361.55	4/02/2012	4.46	372.10	4/02/2012	8.52	373.63
15/07/2011	3.00	321.16	27/04/2012	16.07	353.05	27/04/2012	22.03	361.95	27/04/2012	3.21	373.35	27/04/2012	9.05	373.10
20/08/2011	3.10	321.06	26/05/2012	16.80	352.32	26/05/2012	22.00	361.98	26/05/2012	3.62	372.94	26/05/2012	9.30	372.85
7/09/2011	3.17	320.99	29/06/2012	17.59	351.53	29/06/2012	21.53	362.45	29/06/2012	4.17	372.39	29/06/2012	9.73	372.42
7/10/2011	3.76	320.40	25/07/2012	18.25	350.87	25/07/2012	20.00	363.98	23/08/2012	5.09	371.47	25/07/2012	10.00	372.15
12/11/2011	4.19	319.97	23/08/2012	19.05	350.07	23/08/2012	22.02	361.96	17/09/2012	5.46	371.10	23/08/2012	10.34	371.81
11/12/2011	4.30	319.86	17/09/2012	19.46	349.66	17/09/2012	22.03	361.95	11/10/2012	5.72	370.84	17/09/2012	10.56	371.59
1/01/2012	4.01	320.15	11/10/2012	19.57	349.55	11/10/2012	2.04	381.94	11/12/2012	5.95	dry	11/10/2012	10.82	371.33
4/02/2012	4.39	319.77	11/12/2012	19.80	349.32	11/12/2012	22.09	361.89	8/01/2013	6.01	dry	11/12/2012	11.30	370.85
27/04/2012	4.09	320.07	8/01/2013	19.46	349.66	8/01/2013	22.07	361.91	9/03/2013	6.11	370.45	8/01/2013	11.42	370.73
26/05/2012	4.33	319.83	8/04/2013	18.79	350.33	9/03/2013	22.09	361.89	8/04/2013	5.85	370.71	9/03/2013	11.57	370.58
29/06/2012	4.60	319.56	11/09/2013		no access	8/04/2013	22.11	361.87	2/05/2013		blocked	8/04/2013	11.82	370.33
25/07/2012	4.30	319.86	7/10/2013		no access	2/05/2013	22.13	361.85	14/06/2013		blocked	2/05/2013	13.55	368.60
23/08/2012	5.02	319.14	24/04/2014	Dry	Dry	14/06/2013	22.14	361.84	11/09/2013	5.32	dry	14/06/2013	14.16	367.99
17/09/2012	5.45	318.71	9/06/2014	6.05	Dry	17/07/2013	22.51	361.47	7/10/2013	5.32	dry	17/07/2013	12.47	369.68
11/10/2012	4.46	319.70	1/07/2014	Dry	Dry	11/09/2013	22.20	361.78	2/02/2014	5.59	dry	11/09/2013	12.88	369.27
11/12/2012	6.45	317.71	1/07/2014	Dry	Dry	7/10/2013	22.39	361.59	31/10/2015	4.97	371.59	7/10/2013	13.03	369.12
8/01/2013	5.81	318.35	1/08/2014	Dry	Dry	31/10/2015	22.40	361.58	31/10/2016	5.00	dry	31/10/2014	12.32	369.83
9/03/2013	4.86	319.30	8/03/2016	20.42	Dry	31/10/2016	22.51	361.47	30/10/2017	3.35	373.21	26/01/2015	12.37	369.78
8/04/2013	5.21	318.95	26/03/2016	19.46	Dry	30/10/2017	20.92	363.06	22/10/2018	4.37	372.19	25/02/2015	12.46	369.69
2/05/2013	5.98	318.18	25/04/2016	19.47	Dry	22/10/2018	21.36	362.62	22/10/2019	4.46	372.10	17/03/2015	12.41	369.74
14/06/2013	6.27	317.89	18/05/2016	19.45	Dry	22/10/2019	21.65	362.33	20/10/2020	5.64	370.92	21/03/2015	12.42	369.73
17/07/2013	6.58	317.58	16/06/2016	19.45	Dry	20/10/2020	21.89	362.09	19/11/2021	4.26	372.30	4/04/2015	12.49	369.66
11/09/2013	7.41	316.75	11/07/2016	14.45	Dry	19/11/2021	21.77	362.21	21/10/2022	4.28	372.28	18/05/2015	12.69	369.46
7/10/2013	7.50	316.66	12/09/2016	19.45	Dry	21/10/2022	21.09	362.89	25/10/2023	3.12	373.44	10/06/2015	12.78	369.37
2/02/2014	6.47	317.69	31/10/2016	19.47	Dry	25/10/2023	20.68	363.30	5/10/2024	3.28	373.28	19/07/2015	12.96	369.19
9/06/2014	4.94	319.22	30/11/2016	18.52	350.60	5/10/2024	20.88	363.10				7/08/2015	13.06	369.09
1/07/2014	5.37	318.79	21/12/2016	20.14	348.98							15/08/2015	13.13	369.02
1/07/2014	5.37	318.79	30/01/2017	20.4	348.72							27/09/2015	13.30	368.85
1/08/2014	5.89	318.27	27/03/2017	19.19	349.93							31/10/2015	13.45	368.70
29/09/2014	6.55	317.61	21/04/2017	19.1	350.02							30/11/2015	13.53	368.62
31/10/2014	6.89	317.27	24/05/2017	19.44	Dry							31/10/2016	14.69	367.46
24/11/2014	7.12	317.04	17/06/2017	19.44	Dry							30/10/2017	6.85	375.30
12/12/2014	7.20	316.96	15/07/2017	19.44	Dry							22/10/2018	11.41	370.74
26/01/2015	5.13	319.03	10/08/2017	19.44	Dry							22/10/2019	13.52	368.63
25/02/2015	5.57	318.59	30/09/2017	19.44	Dry							20/10/2020	14.64	367.51
17/03/2015	4.85	319.31	30/10/2017	19.43	Dry							16/11/2021	13.25	368.90
4/04/2015	5.64	318.52	24/09/2020	20.40	Dry							21/10/2022	12.28	369.87
18/05/2015	6.28	317.88	20/10/2020	20.40	Dry							25/10/2023	7.66	374.49
10/06/2015	6.57	317.59	27/11/2020	20.40	Dry							5/10/2024	6.58	375.57
19/07/2015	7.27	316.89	12/01/2021	20.40	Dry									
15/08/2015	7.43	316.73	27/02/2021	20.40	Dry									
27/09/2015	7.62	316.54	31/03/2021	20.40	Dry									
31/10/2015	7.83	316.33	25/04/2021	20.40	Dry									
29/11/2015	7.94	316.22	24/05/2021	20.40	Dry									
26/12/2015	7.88	316.28	27/06/2021	20.40	Dry									
31/01/2016	6.58	317.58	24/07/2021	20.40	Dry									
8/03/2016	6.24	317.92	20/08/2021	20.40	Dry									
26/03/2016	5.56	318.60	20/09/2021	20.40	Dry									
25/04/2016	5.58	318.58	13/11/2021	20.40	Dry									
6/05/2016	5.97	318.19	11/12/2021		No access									
17/05/2016	6.24	317.92	4/02/2022		No access									
16/06/2016	6.74	317.42	29/06/2022		No access									
11/07/2016	6.79	317.37												
20/08/2016	6.74	317.42												
12/09/2016	7.06	317.10												
31/10/2016	7.34	316.82												
25/11/2016	7.29	316.87												
21/12/2016	5.41	318.75												
30/01/2017	2.88	321.28												
22/03/2017	1.85	322.31												
21/04/2017	2.17	321.99												
20/05/2017	2.30	321.86												
17/06/2017	2.93	321.23												
15/07/2017	2.99	321.17												
16/08/2017	3.28	320.88												
30/09/2017	3.37	320.79												
30/10/2017	2.80	321.36												
30/11/2017	2.65	321.51												
29/12/2017	2.80	321.36												

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB48	SMMB48 mbrp	SMMB48 mAHD	SMMB49S/ Sa	SMMB49S/ Sa mbrp	SMMB49S/ Sa mAHD	SMMB51	SMMB51 mbrp	SMMB51 mAHD	SMMB52	SMMB52 mbrp	SMMB52 mAHD	SMMB53	SMMB53m brp	SMMB53 mAHD
		324.16			369.12			383.98			376.56			382.15
31/12/2017	2.81	321.35												
27/01/2018	2.68	321.48												
22/02/2018	3.07	321.09												
24/03/2018	3.58	320.58												
25/04/2018	4.05	320.11												
22/05/2018	4.49	319.67												
16/06/2018	4.78	319.38												
13/07/2018	4.98	319.18												
15/08/2018	5.07	319.09												
19/09/2018	5.47	318.69												
22/10/2018	5.72	318.44												
16/11/2018	6.03	318.13												
4/02/2019	5.48	318.68												
3/03/2019	5.67	318.49												
30/03/2019	6.15	318.01												
28/04/2019	6.17	317.99												
31/05/2019	5.61	318.55												
30/06/2019	5.98	318.18												
3/07/2019	5.98	318.18												
31/07/2019	6.16	318.00												
29/08/2019	6.22	317.94												
25/09/2019	6.23	317.93												
22/10/2019	6.47	317.69												
27/12/2019	6.68	317.48												
25/01/2020	6.25	317.91												
29/02/2020	4.78	319.38												
30/03/2020	5.17	318.99												
30/04/2020	5.38	318.78												
26/05/2020	5.66	318.50												
25/08/2020	6.21	317.95												
22/09/2020	6.42	317.74												
24/09/2020	6.42	317.74												
20/10/2020	6.62	317.54												
25/11/2020	6.88	317.28												
12/01/2021	6.40	317.76												
27/02/2021	3.65	320.51												
30/03/2021	3.24	320.92												
25/04/2021	2.46	321.70												
24/05/2021	3.35	320.81												
24/06/2021	3.86	320.30												
27/06/2021	3.86	320.30												
24/07/2021	4.43	319.73												
20/08/2021	4.70	319.46												
24/08/2021	4.56	319.60												
20/09/2021	3.83	320.33												
20/10/2021	5.27	318.89												
16/11/2021	5.13	319.03												
10/12/2021	4.87	319.29												
17/01/2022	4.79	319.37												
10/02/2022	1.94	322.22												
13/03/2022	2.87	321.29												
7/04/2022	3.02	321.14												
6/05/2022	3.43	320.73												
31/05/2022	4.02	320.14												
26/06/2022	4.45	319.71												
28/07/2022	4.77	319.39												
20/08/2022	4.86	319.30												
23/08/2022	4.86	319.30												
27/09/2022	5.49	318.67												
20/10/2022	5.68	318.48												
18/11/2022	5.97	318.19												
11/12/2022	4.86	319.30												
16/12/2022	4.86	319.30												
11/01/2023	3.55	320.61												
3/02/2023	2.94	321.22												
10/02/2023	2.94	321.22												
7/03/2023	1.72	322.44												
4/04/2023	1.73	322.43												
3/05/2023	1.51	322.65												
4/05/2023	1.51	322.65												
5/06/2023	1.80	322.36												
25/06/2023	1.85	322.31												
22/07/2023	1.91	322.25												
31/07/2023	1.91	322.25												
20/08/2023	2.12	322.04												
26/09/2023	2.62	321.54												
23/10/2023	2.36	321.80												

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB48	SMMB48 mbrp	SMMB48 mAHD	SMMB49S/ Sa	SMMB49S/ Sa mbrp	SMMB49S/ Sa mAHD	SMMB51	SMMB51 mbrp	SMMB51 mAHD	SMMB52	SMMB52 mbrp	SMMB52 mAHD	SMMB53	SMMB53m brp	SMMB53 mAHD
		324.16			369.12			383.98			376.56			382.15
19/11/2023	2.86	321.30												
23/11/2023	2.86	321.30												
15/12/2023	3.24	320.92												
8/01/2024	3.31	320.85												
22/03/2024	1.27	322.89												
16/04/2024	1.49	322.67												
15/05/2024	6.62	317.54												
16/06/2024	1.80	322.36												
28/06/2024	1.95	322.21												
12/07/2024	2.02	322.14												
30/08/2024	2.32	321.84												
27/09/2024	2.38	321.78												
5/10/2024	2.51	321.65												
30/11/2024	2.47	321.69												
28/12/2024	3.05	321.11												
28/01/2025	2.46	321.70												
28/02/2025	1.92	322.24												
26/03/2025	1.94	322.22												
24/04/2025	2.20	321.96												
21/05/2025	2.09	322.07												
14/06/2025	1.61	322.55												

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB54	SMMB54 mbrp	SMMB54 mAHD	SMMB55	SMMB55 mbrp	SMMB55 Mahd	SMMB56	SMMB56 mbrp	SMMB56 mAHD	SMMB57	SMMB57 mbrp	SMMB57 mAHD	SMMB58	SMMB58 mbrp	SMMB58 mAHD
		382.39			**411.14**			**428.67**			**412.66**			**434.62**
26/01/2015	12.55	369.84	25/06/2011	28.37	382.77	20/06/2011	28.34	400.33	26/06/2011	6.29	406.37	29/06/2011	32.86	401.76
25/02/2015	12.60	369.79	29/06/2011	28.53	382.61	29/06/2011	28.59	400.08	29/06/2011	6.24	406.42	15/07/2011	29.33	405.29
17/03/2015	12.55	369.84	15/07/2011	29.36	381.78	15/07/2011	19.01	409.66	15/07/2011	6.34	406.32	22/07/2011	27.97	406.65
21/03/2015	12.56	369.83	22/07/2011	29.61	381.53	22/07/2011	29.03	399.64	22/07/2011	6.33	406.33	30/07/2011	26.85	407.77
4/04/2015	12.63	369.76	30/07/2011	30.50	380.64	30/07/2011	29.20	399.47	30/07/2011	6.34	406.32	20/08/2011	25.33	409.29
18/05/2015	12.82	369.57	20/08/2011	31.00	380.14	20/08/2011	29.48	399.19	20/08/2011	6.37	406.29	7/09/2011	24.62	410.00
10/06/2015	12.92	369.47	7/09/2011	31.66	379.48	7/09/2011	29.68	398.99	7/09/2011	6.55	406.11	7/10/2011	24.52	410.10
19/07/2015	13.10	369.29	7/10/2011	32.67	378.47	7/10/2011	30.12	398.55	7/10/2011	7.05	405.61	12/11/2011	26.06	408.56
7/08/2015	13.18	369.21	12/11/2011	33.75	377.39	12/11/2011	31.03	397.64	12/11/2011	7.42	405.24	11/12/2011	26.58	408.04
15/08/2015	13.26	369.13	11/12/2011	34.47	376.67	11/12/2011	31.90	396.77	11/12/2011	7.47	405.19	1/01/2012	26.91	407.71
27/09/2015	13.44	368.95	1/01/2012	34.77	376.37	1/01/2012	31.38	397.29	1/01/2012	7.59	405.07	4/02/2012	27.56	407.06
31/10/2015	13.59	368.80	4/02/2012	35.38	375.76	4/02/2012	31.60	397.07	4/02/2012	7.91	404.75	27/04/2012	26.28	408.34
30/11/2015	13.69	368.70	27/04/2012	35.97	375.17	27/04/2012	31.98	396.69	27/04/2012	6.77	405.89	26/05/2012	26.35	408.27
31/10/2016	14.89	367.50	26/05/2012	36.28	374.86	26/05/2012	32.04	396.63	26/05/2012	7.14	405.52	25/07/2012	26.81	407.81
30/10/2017	6.91	375.48	29/06/2012	36.75	374.39	29/06/2012	31.62	397.05	25/07/2012	7.77	404.89	23/08/2012	27.17	407.45
22/10/2018	11.56	370.83	25/07/2012	37.10	374.04	25/07/2012	32.23	396.44	23/08/2012	8.12	404.54	17/09/2012	27.47	407.15
22/10/2019	13.72	368.67	23/08/2012	37.47	373.67	23/08/2012	32.33	396.34	17/09/2012	8.38	404.28	11/10/2012	27.88	406.74
20/10/2020	11.89	370.50	17/09/2012	37.75	373.39	17/09/2012	32.40	396.27	11/10/2012	5.42	407.24	11/12/2012	28.68	405.94
16/11/2021	12.04	370.35	11/10/2012	38.70	372.44	11/10/2012	32.72	395.95	11/12/2012	8.85	403.81	8/01/2013	29.50	405.12
21/10/2022	11.97	370.42	11/12/2012	38.62	372.52	11/12/2012	32.56	396.11	8/01/2013	8.61	404.05	9/03/2013	30.05	404.57
25/10/2023	7.73	374.66	8/01/2013	38.90	372.24	8/01/2013	32.63	396.04	9/03/2013	8.44	404.22	8/04/2013	30.54	404.08
5/10/2024	6.61	375.78	9/03/2013	39.27	371.87	9/03/2013	32.73	395.94	8/04/2013	8.83	403.83	2/05/2013	31.00	403.62
			8/04/2013	39.55	371.59	8/04/2013	32.71	395.96	2/05/2013	9.03	403.63	14/06/2013	31.59	403.03
			2/05/2013	39.61	371.53	2/05/2013	32.82	395.85	14/06/2013	9.56	403.10	17/07/2013	31.75	402.87
			14/06/2013	39.80	371.34	14/06/2013	32.89	395.78	17/07/2013	9.74	402.92	11/09/2013	32.28	402.34
			17/07/2013	40.00	371.14	17/07/2013	32.93	395.74	11/09/2013	10.15	402.51	7/10/2013	32.37	402.25
			11/09/2013	40.46	370.68	11/09/2013	33.02	395.65	7/10/2013	10.23	402.43	2/02/2014	33.00	401.62
			7/10/2013	40.51	370.63	7/10/2013	33.05	395.62	2/02/2014	9.45	403.21	20/10/2020	20.80	413.82
			31/10/2014	39.65	371.49	2/02/2014	33.20	395.47	31/10/2014	8.91	403.75	20/10/2021		Dry
			26/01/2015	40.21	370.93	31/10/2014	32.40	396.27	20/10/2020	12.74	399.92	21/10/2022	22.02	412.60
			25/02/2015	40.28	370.86	26/01/2015	32.63	396.04	20/10/2021	8.49	404.17	25/10/2023	22.45	412.17
			17/03/2015	40.30	370.84	25/02/2015	32.79	395.88	21/10/2022	8.16	404.50	5/10/2024	14.78	419.84
			4/04/2015	40.23	370.91	17/03/2015	32.86	395.81	25/10/2023	6.79	405.87			
			18/05/2015	40.41	370.73	22/03/2015	32.88	395.79	5/10/2024	6.77	405.89			
			10/06/2015	40.51	370.63	18/05/2015	32.96	395.71						
			19/07/2015	40.72	370.42	10/06/2015	33.00	395.67						
			15/08/2015	40.91	370.23	19/07/2015	33.10	395.57						
			27/09/2015	42.10	369.04	15/08/2015	33.16	395.51						
			31/10/2015	41.30	369.84	27/09/2015	33.23	395.44						
			30/11/2015	41.43	369.71	31/10/2015	33.26	395.41						
			31/10/2016	41.52	369.62	31/10/2016	33.82	394.85						
			30/10/2017	33.50	377.64	30/10/2017	30.59	398.08						
			22/10/2018	39.05	372.09	22/10/2018	37.26	391.41						
			22/10/2019	41.07	370.07	22/10/2019	38.00	390.67						
			16/11/2021	41.06	370.08	20/10/2020	33.61	395.06						
			21/10/2022	39.95	371.19	20/10/2021	33.12	395.55						
			25/10/2023	34.32	376.82	21/10/2022	32.70	395.97						
			5/10/2024	35.1	376.04	25/10/2023	30.23	398.44						
						5/10/2024	30.09	398.58						

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB59	SMMB59 mbrp	SMMB59 mAHD	SMMB60	SMMB60 mbrp	SMMB60 mAHD	SMMB61-D	SMMB61-D mbrp	SMMB61-D mAHD	SMMB61-S	SMMB61-S mbrp	SMMB61-S mAHD
		412.77			**394.43**			**345.53**			**345.53**
29/06/2011	13.21	399.56	27/06/2011	11.57	382.86	29/06/2011	2.10	343.43	29/06/2011	2.06	343.47
15/07/2011	13.70	399.07	29/06/2011	11.51	382.92	9/07/2011	2.25	343.28	9/07/2011	2.17	343.36
22/07/2011	13.80	398.97	15/07/2011	12.49	381.94	15/07/2011	2.35	343.18	15/07/2011	2.28	343.25
30/07/2011	14.16	398.61	22/07/2011	12.77	381.66	22/07/2011	2.39	343.14	22/07/2011	2.34	343.19
20/08/2011	14.61	398.16	30/07/2011	3.18	391.25	30/07/2011	2.53	343.00	30/07/2011	2.61	342.92
7/09/2011	15.08	397.69	20/08/2011	14.15	380.28	20/08/2011	3.20	342.33	20/08/2011	3.08	342.45
7/10/2011	15.82	396.95	7/09/2011	14.88	379.55	7/09/2011	3.70	341.83	7/09/2011	3.59	341.94
12/11/2011	16.12	396.65	7/10/2011	15.92	378.51	7/10/2011	5.53	340.00	12/11/2011	5.44	340.09
11/12/2011	16.06	396.71	12/11/2011	16.98	377.45	12/11/2011	5.81	339.72	11/12/2011	5.71	339.82
1/01/2012	16.18	396.59	11/12/2011	17.60	376.83	11/12/2011	6.18	339.35	1/01/2012	6.02	339.51
4/02/2012	16.23	396.54	1/01/2012	18.04	376.39	1/01/2012	6.79	338.74	4/02/2012	6.68	338.85
27/04/2012	16.05	396.72	4/02/2012	18.74	375.69	4/02/2012	6.47	339.06	27/04/2012	6.35	339.18
26/05/2012	16.04	396.73	27/04/2012	19.40	375.03	27/04/2012	6.90	338.63	26/05/2012	6.79	338.74
29/06/2012	15.30	397.47	26/05/2012	19.75	374.68	26/05/2012	7.42	338.11	29/06/2012	7.28	338.25
25/07/2012	16.80	395.97	29/06/2012	19.82	374.61	29/06/2012	7.65	337.88	25/07/2012	7.48	338.05
23/08/2012	16.15	396.62	25/07/2012	20.56	373.87	25/07/2012	8.18	337.35	1/08/2014	5.28	340.25
17/09/2012	16.17	396.60	23/08/2012	20.97	373.46	23/08/2012	8.87	336.66	24/11/2014	4.42	341.11
11/10/2012	16.20	396.57	17/09/2012	21.26	373.17	17/09/2012	9.50	336.03	26/01/2015	4.30	341.23
11/12/2012	16.20	396.57	11/10/2012	21.63	372.80	11/10/2012	10.60	334.93	25/02/2015	4.50	341.03
8/01/2013	16.24	396.53	11/12/2012	22.24	372.19	11/12/2012	10.58	334.95	17/03/2015	4.91	340.62
9/03/2013	16.27	396.50	8/01/2013	22.34	372.09	8/01/2013	9.10	336.43	18/05/2015	5.23	340.30
8/04/2013	16.31	396.46	9/03/2013	22.89	371.54	9/03/2013	8.25	337.28	10/06/2015	5.23	340.30
2/05/2013	16.37	396.40	8/04/2013	22.99	371.44	1/08/2014	8.18	337.35	19/07/2015	5.25	340.28
14/06/2013	16.40	396.37	2/05/2013	23.22	371.21	24/11/2014	7.96	337.57	27/09/2015	4.37	341.16
17/07/2013	16.33	396.44	14/06/2013	23.50	370.93	26/01/2015	7.95	337.58	31/10/2015	4.39	341.14
11/09/2013	16.45	396.32	17/07/2013	23.69	370.74	25/02/2015	8.21	337.32	30/11/2015	4.39	341.14
7/10/2013	16.46	396.31	11/09/2013	24.02	370.41	17/03/2015	7.98	337.55	30/10/2017	3.81	341.72
2/02/2014	16.60	396.17	7/10/2013	24.02	370.41	18/05/2015	8.19	337.34	3/03/2019	4.57	340.96
31/10/2014	16.23	396.54	31/10/2014	23.38	371.05	10/06/2015	8.19	337.34	25/09/2019	7.11	338.42
26/01/2015	16.36	396.41	26/01/2015	23.86	370.57	19/07/2015	8.21	337.32	29/02/2020	4.44	341.09
20/10/2020	16.02	396.75	25/02/2015	23.69	370.74	27/09/2015	8.19	337.34	26/05/2020	4.43	341.10
20/10/2021		Dry	17/03/2015	23.68	370.75	31/10/2015	8.01	337.52	27/11/2020	4.43	341.10
21/10/2022	15.47	397.30	22/03/2015	23.68	370.75	30/11/2015	8.01	337.52	27/02/2021	4.43	341.10
25/10/2023	15.46	397.31	4/04/2015	23.67	370.76	30/10/2017	5.36	340.17	24/05/2021	4.43	341.10
5/10/2024	15.46	397.31	18/05/2015	23.81	370.62	3/03/2019	7.83	337.70	25/08/2020	4.43	341.10
			10/06/2015	23.91	370.52	25/09/2019	3.93	341.60	4/02/2022	4.38	341.15
			19/07/2015	24.11	370.32	29/02/2020	7.12	338.41	3/05/2022	4.39	341.14
			7/08/2015	24.21	370.22	26/05/2020	7.13	338.40	20/08/2022	4.35	341.18
			15/08/2015	24.31	370.12	27/11/2020	6.99	338.54	18/11/2022	4.23	341.30
			27/09/2015	24.53	369.90	27/02/2021	6.99	338.54	4/02/2023	4.45	341.08
			31/10/2015	24.71	369.72	24/05/2021	6.99	338.54	3/05/2023	1.85	343.68
			30/11/2015	24.84	369.59	25/08/2020	6.99	338.54	22/07/2023	2.97	342.56
			31/10/2016	26.32	368.11	4/02/2022	7.01	338.52	23/10/2023	4.23	341.30
			30/10/2017	16.90	377.53	3/05/2022	7.03	338.50	15/05/2024	1.13	344.40
			22/10/2018	22.50	371.93	20/08/2022	7.00	338.53	30/08/2024	3.25	342.16
			22/10/2019	25.07	369.36	18/11/2022	6.99	338.54	28/02/2025	3.76	341.65
			16/11/2021	24.64	369.79	4/02/2023	7.01	338.52	21/05/2025	3.78	341.63
			21/10/2022	23.35	371.08	3/05/2023	1.89	343.64			
			25/10/2023	17.37	377.06	22/07/2023	3.03	342.50			
			5/10/2024	18.11	376.32	23/10/2023	4.67	340.86			
						15/05/2024	1.16	344.37			
						30/08/2024	3.33	342.20			
						28/02/2025	3.83	341.70			
						21/05/2025	3.86	341.67			

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB62	SMMB62 mbrp	SMMB62 mAHD	SMMB63	SMMB63 mbrp	SMMB63 mAHD	SMMB64	SMMB64 mbrp	SMMB64 mAHD	SMMB65	SMMB65 mbrp	SMMB65 mAHD
		328.75			**331.85**			**345.46**			**349.70**
27/06/2011	3.14	325.61	29/06/2011	8.89	322.96	29/06/2011	17.83	327.63	7/10/2013		no access
29/06/2011	3.08	325.67	15/07/2011	9.24	322.61	15/07/2011	18.47	326.99	1/07/2014	17.78	331.92
15/07/2011	3.18	325.57	22/07/2011	9.28	322.57	22/07/2011	18.56	326.90	1/07/2014	17.78	331.92
22/07/2011	3.24	325.51	30/07/2011	9.45	322.40	30/07/2011	18.95	326.51	1/08/2014	17.78	331.92
30/07/2011	3.25	325.50	20/08/2011	9.75	322.10	20/08/2011	19.68	325.78	29/09/2014	17.80	331.90
20/08/2011	3.34	325.41	7/09/2011	10.01	321.84	7/09/2011	20.32	325.14	31/10/2014	17.80	331.90
7/09/2011	3.45	325.30	7/10/2011	10.51	321.34	7/10/2011	20.86	324.60	24/11/2014	17.80	331.90
7/10/2011	3.94	324.81	12/11/2011	10.90	320.95	11/12/2011	21.12	324.34	12/12/2014	18.31	Dry
12/11/2011	4.20	324.55	11/12/2011	11.16	320.69	1/01/2012	21.01	324.45	26/01/2015	17.78	331.92
11/12/2011	4.68	324.07	1/01/2012	10.99	320.86	4/02/2012	21.00	324.46	8/03/2016	17.78	331.92
1/01/2012	4.35	324.40	4/02/2012	11.26	320.59	27/04/2012	20.79	324.67	26/03/2016	17.79	331.91
4/02/2012	4.46	324.29	27/04/2012	10.53	321.32	26/05/2012	20.37	325.09	25/04/2016	17.78	331.92
27/04/2012	4.95	323.80	26/05/2012	9.95	321.90	29/06/2012	20.92	324.54	18/05/2016	17.79	331.91
26/05/2012	4.08	324.67	29/06/2012	11.40	320.45	25/07/2012	21.00	324.46	16/06/2016	17.79	331.91
29/06/2012	4.22	324.53	25/07/2012	11.30	320.55	23/08/2012	21.04	324.42	11/07/2016	17.78	331.92
23/08/2012	4.67	324.08	23/08/2012	11.85	320.00	17/09/2012	21.02	324.44	12/09/2016	17.78	331.92
17/09/2012	4.97	323.78	17/09/2012	12.15	319.70	11/10/2012	21.36	324.10	31/10/2016	17.78	331.92
11/10/2012	4.99	323.76	11/10/2012	12.24	319.61	11/12/2012	21.12	324.34	30/11/2016	17.79	331.91
11/12/2012	6.18	322.57	11/12/2012	12.95	318.90	9/03/2013	21.01	324.45	21/12/2016	17.80	331.90
8/01/2013	4.35	324.40	8/01/2013	12.37	319.48	17/07/2013		no access	30/01/2017	14.12	335.58
9/03/2013	4.62	324.13	9/03/2013	11.35	320.50	11/09/2013		no access	21/04/2017	14.22	335.48
8/04/2013	4.65	324.10	8/04/2013	11.70	320.15	7/10/2013		no access	24/05/2017	17.50	332.20
2/05/2013	5.08	323.67	2/05/2013	12.03	319.82	9/06/2014	20.82	324.64	17/06/2017	14.43	335.27
14/06/2013	5.50	323.25	14/06/2013	12.80	319.05	1/07/2014	20.86	324.60	15/07/2017	14.45	335.25
17/07/2013	6.03	322.72	17/07/2013	13.13	318.72	1/07/2014	20.86	324.60	10/08/2017	14.62	335.08
11/09/2013	6.62	322.13	11/09/2013	13.80	318.05	1/08/2014	11.92	333.54	30/09/2017	15.28	334.42
7/10/2013	6.53	322.22	7/10/2013	14.02	317.83	29/09/2014	21.05	324.41	13/07/2018	17.41	332.29
2/02/2014	5.79	322.96	2/02/2014	13.52	318.33	31/10/2014	21.51	323.95	15/08/2018	17.49	332.21
9/06/2014	5.11	323.64	9/06/2014	11.84	320.01	24/11/2014	21.16	324.30	19/09/2018	17.61	332.09
1/07/2014	5.46	323.29	1/07/2014	12.27	319.58	12/12/2014	21.20	324.26	22/10/2018	17.71	331.99
1/07/2014	5.46	323.29	1/07/2014	12.27	319.58	26/01/2015	21.21	324.25	16/11/2018	17.71	331.99
1/08/2014	5.81	322.94	1/08/2014	12.75	319.10	8/03/2016	21.19	324.27	4/02/2019	17.72	331.98
29/09/2014	6.04	322.71	29/09/2014	13.48	318.37	26/03/2016	21.17	324.29	3/03/2019	17.71	331.99
31/10/2014	6.31	322.44	31/10/2014	13.83	318.02	25/04/2016	21.18	324.28	30/03/2019	17.72	331.98
24/11/2014	6.62	322.13	24/11/2014	14.10	317.75	18/05/2016	20.15	325.31	28/04/2019	17.71	331.99
12/12/2014	6.57	322.18	12/12/2014	14.06	317.79	16/06/2016	21.36	324.10	25/08/2020	17.81	Dry
26/01/2015	4.80	323.95	26/01/2015	12.41	319.44	11/07/2016	21.19	324.27	24/09/2020	17.79	Dry
8/03/2016	5.24	323.51	25/02/2015	12.47	319.38	12/09/2016	21.32	324.14	20/10/2020	17.70	Dry
26/03/2016	5.09	323.66	17/03/2015	11.77	320.08	31/10/2016	21.14	324.32	27/11/2020	17.79	Dry
25/04/2016	5.19	323.56	4/04/2015	12.15	319.70	30/11/2016	21.10	324.36	12/01/2021	17.65	Dry
17/05/2016	5.64	323.11	18/05/2015	13.14	318.71	21/12/2016	21.69	323.77	27/02/2021	17.71	Dry
16/06/2016	5.76	322.99	10/06/2015	13.50	318.35	30/01/2017	19.45	326.01	31/03/2021	17.71	Dry
11/07/2016	5.53	323.22	19/07/2015	14.03	317.82	21/04/2017	15.31	330.15	25/04/2021	17.71	Dry
12/09/2016	5.59	323.16	15/08/2015	14.21	317.64	24/05/2017	16.70	328.76	24/05/2021	17.71	Dry
31/10/2016	6.09	322.66	27/09/2015	14.51	317.34	17/06/2017	18.53	326.93	27/06/2021	17.73	Dry
30/11/2016	6.21	322.54	31/10/2015	14.71	317.14	15/07/2017	19.38	326.08	24/07/2021	17.71	Dry
21/12/2016	4.88	323.87	30/11/2015	14.78	317.07	10/08/2017	20.31	325.15	20/08/2021	17.73	Dry
30/01/2017	3.57	325.18	26/12/2015	14.78	317.07	30/09/2017	20.88	324.58	13/11/2021	17.72	Dry
27/03/2017	1.85	326.90	31/01/2016	12.59	319.26	13/07/2018	21.16	324.30	11/12/2021	17.71	Dry
21/04/2017	2.03	326.72	8/03/2016	12.96	318.89	15/08/2018	21.18	324.28	17/01/2022	17.70	Dry
24/05/2017	2.18	326.57	26/03/2016	12.50	319.35	19/09/2018	21.20	324.26	4/02/2022	17.78	Dry
17/06/2017	2.61	326.14	25/04/2016	12.30	319.55	22/10/2018	21.24	324.22	14/03/2022	17.76	Dry
15/07/2017	2.71	326.04	18/05/2016	12.97	318.88	16/11/2018	21.28	324.18	8/04/2022	17.76	Dry
10/08/2017	2.91	325.84	16/06/2016	13.46	318.39	4/02/2019	21.32	324.14	3/05/2022	17.76	Dry
30/09/2017	3.24	325.51	11/07/2016	13.52	318.33	3/03/2019	21.20	324.26	1/06/2022	17.76	Dry
13/07/2018	5.03	323.72	12/09/2016	13.91	317.94	30/03/2019	21.10	324.36	29/06/2022	17.76	Dry
15/08/2018	5.01	323.74	31/10/2016	14.37	317.48	28/04/2019	20.92	324.54	29/07/2022	17.76	331.94
19/09/2018	5.09	323.66	30/11/2016	14.39	317.46	31/05/2019	20.70	324.76	21/08/2022	17.76	331.94
22/10/2018	5.12	323.63	21/12/2016	12.91	318.94	30/06/2019	20.91	324.55	28/09/2022	17.76	331.94
16/11/2018	5.35	323.40	21/04/2017	7.09	324.76	31/07/2019	20.84	324.62	23/10/2022	17.76	331.94
4/02/2019	4.77	323.98	24/05/2017	8.80	323.05	29/08/2019	20.87	324.59	19/11/2022	17.7	332.00
3/03/2019	4.95	323.80	17/06/2017	9.48	322.37	25/09/2019	20.92	324.54	12/12/2022	17.72	331.98
30/03/2019	5.07	323.68	15/07/2017	9.81	322.04	22/10/2019	20.98	324.48	10/01/2023	17.72	331.98
28/04/2019	5.00	323.75	10/08/2017	10.23	321.62	25/01/2020	21.17	324.29	5/02/2023	17.72	331.98
31/07/2019	6.01	322.74	30/09/2017	10.68	321.17	29/02/2020	20.90	324.56	8/03/2023	14.17	335.53
29/08/2019	6.06	322.69	30/10/2017	11.80	320.05	30/03/2020	20.93	324.53	5/04/2023	14.21	335.49
25/09/2019	6.13	322.62	30/11/2017	10.55	321.30	30/04/2020	20.98	324.48	4/05/2023	14.21	335.49
22/10/2019	4.97	323.78	31/12/2017	10.64	321.21	26/05/2020	21.07	324.39	6/06/2023	14.24	335.46
25/01/2020	5.86	322.89	27/01/2018	10.74	321.11	25/06/2020	21.08	324.38	25/06/2023	14.26	335.44
29/02/2020	4.72	324.03	22/02/2018	10.87	320.98	25/08/2020	21.00	324.46	23/07/2023	14.27	335.43
30/03/2020	5.01	323.74	20/03/2018	11.34	320.51	24/09/2020	21.00	324.46	23/07/2023	14.27	335.43
30/04/2020	5.06	323.69	25/04/2018	11.68	320.17	20/10/2020	21.03	324.43	22/08/2023	14.26	335.44
26/05/2020	5.16	323.59	22/05/2018	11.95	319.90	27/11/2020	21.62	323.84	27/09/2023	14.29	335.41
25/06/2020	4.57	324.18	16/06/2018	12.23	319.62	12/01/2021	21.50	323.96	24/10/2023	14.32	335.38
25/08/2020	5.58	323.17	13/07/2018	12.52	319.33	27/02/2021	21.19	324.27	24/11/2023	14.40	335.30
24/09/2020	5.24	323.51	15/08/2018	12.89	318.96	31/03/2021	21.20	324.26	16/12/2023	14.44	335.26
20/10/2020	5.94	322.81	19/09/2018	13.11	318.74	25/04/2021	21.03	324.43	9/01/2024	14.47	335.23
27/11/2020	6.17	322.58	22/10/2018	13.24	318.61	24/05/2021	21.04	324.42	22/03/2024	14.10	335.60
12/01/2021	5.79	322.96	16/11/2018	13.93	317.92	20/08/2021	21.00	324.46	16/04/2024	14.14	335.56
27/02/2021	4.24	324.51	4/02/2019	12.58	319.27	13/11/2021	21.33	324.13	15/05/2024	14.14	335.56
31/03/2021	3.93	324.82	3/03/2019	12.77	319.08	11/12/2021	21.39	324.07	16/06/2024	14.20	335.50

Appendix D.3. Groundwater level monitoring data (SMMB series bores)

SMMB62	SMMB62 mbrp	SMMB62 mAHD	SMMB63	SMMB63 mbrp	SMMB63 mAHD	SMMB64	SMMB64 mbrp	SMMB64 mAHD	SMMB65	SMMB65 mbrp	SMMB65 mAHD
		328.75			**331.85**			**345.46**			**349.70**
25/04/2021	3.57	325.18	30/03/2019	13.10	318.75	17/01/2022	21.43	324.03	12/07/2024	14.26	335.44
24/05/2021	4.08	324.67	28/04/2019	12.99	318.86	4/02/2022	21.13	324.33	30/08/2024	14.30	335.40
27/06/2021	4.34	324.41	31/07/2019	13.27	318.58	14/03/2022	20.74	324.72	27/09/2024	14.28	335.42
24/07/2021	4.60	324.15	29/08/2019	13.30	318.55	8/04/2022	20.70	324.76	5/10/2024	14.27	335.43
20/08/2021	4.69	324.06	25/09/2019	13.33	318.52	3/05/2022	20.76	324.70	30/11/2024	14.27	335.43
20/09/2021	4.63	324.12	22/10/2019	13.33	318.52	1/06/2022	20.83	324.63	28/12/2024	14.31	335.39
20/10/2021	5.35	323.4	25/01/2020	13.30	318.55	29/06/2022	20.91	324.55	28/01/2025	14.22	335.48
13/11/2021	5.10	323.65	29/02/2020	12.23	319.62	29/07/2022	20.94	324.52	28/02/2025	14.19	335.51
10/12/2021	4.98	323.77	30/03/2020	12.44	319.41	21/08/2022	20.97	324.49	31/03/2025	14.20	335.50
17/01/2022	4.83	323.92	30/04/2020	12.64	319.21	28/09/2022	20.98	324.48	24/04/2025	14.20	335.50
4/02/2022	3.65	325.10	26/05/2020	12.99	318.86	23/10/2022	20.97	324.49	21/05/2025	14.27	335.43
13/03/2022	4.06	324.69	25/06/2020	12.69	319.16	19/11/2022	20.99	324.47	22/06/2025	9.67	340.03
7/04/2022	4.19	324.56	25/08/2020	13.34	318.51	12/12/2022	20.98	324.48			
2/05/2022	4.46	324.29	24/09/2020	13.33	318.52	10/01/2023	20.76	324.70			
31/05/2022	4.96	323.79	20/10/2020	12.37	319.48	5/02/2023	19.41	326.05			
26/06/2022	5.17	323.58	27/11/2020	12.97	318.88	8/03/2023	16.03	329.43			
28/07/2022	5.26	323.49	12/01/2021	12.20	319.65	5/04/2023	17.03	328.43			
20/08/2022	5.29	323.46	27/02/2021	11.44	320.41	4/05/2023	17.18	328.28			
27/09/2022	5.53	323.22	31/03/2021	10.98	320.87	6/06/2023	17.69	327.77			
20/10/2022	5.71	323.04	25/04/2021	10.56	321.29	25/06/2023	18.40	327.06			
18/11/2022	5.63	323.12	24/05/2021	11.06	320.79	23/07/2023	18.66	326.80			
11/12/2022	5.05	323.70	27/06/2021	11.53	320.32	22/08/2023	19.11	326.35			
11/01/2023	4.39	324.36	24/07/2021	11.89	319.96	27/09/2023	19.87	325.59			
3/02/2023	4.21	324.54	20/08/2021	12.14	319.71	24/10/2023	20.26	325.20			
7/03/2023	3.22	325.53	20/09/2021	11.59	320.26	24/11/2023	20.38	325.08			
4/04/2023	3.01	325.74	20/10/2021	12.61	319.24	16/12/2023	20.42	325.04			
3/05/2023	2.69	326.06	13/11/2021	12.73	319.12	9/01/2024	20.28	325.18			
5/06/2023	2.77	325.98	11/12/2021	12.29	319.56	22/03/2024	14.17	331.29			
25/06/2023	2.84	325.91	17/01/2022	12.21	319.64	16/04/2024	14.17	331.29			
22/07/2023	2.74	326.01	4/02/2022	10.14	321.71	15/05/2024	14.21	331.25			
20/08/2023	3.08	325.67	14/03/2022	10.12	321.73	16/06/2024	16.20	329.26			
26/09/2023	3.47	325.28	8/04/2022	10.34	321.51	12/07/2024	17.48	327.98			
23/10/2023	3.57	325.18	3/05/2022	10.75	321.10	30/08/2024	19.23	326.23			
23/11/2023	3.86	324.89	1/06/2022	11.28	320.57	27/09/2024	18.99	326.47			
15/12/2023	4.25	324.50	29/06/2022	11.74	320.11	5/10/2024	18.54	326.92			
8/01/2024	4.45	324.30	29/07/2022	11.71	320.14	30/11/2024	18.97	326.49			
22/03/2024	2.27	326.48	21/08/2022	11.66	320.19	28/12/2024	19.02	326.44			
16/04/2024	2.47	326.28	28/09/2022	12.33	319.52	28/01/2025	19.45	326.01			
15/05/2024	2.65	326.10	23/10/2022	12.39	319.46	28/02/2025	18.72	326.74			
16/06/2024	2.84	325.91	19/11/2022	12.97	318.88	31/03/2025	18.81	326.65			
12/07/2024	3.04	325.71	12/12/2022	11.82	320.03	24/04/2025	18.71	326.75			
30/08/2024	3.33	325.42	10/01/2023	10.40	321.45	21/05/2025	19.17	326.29			
27/09/2024	3.37	325.38	5/02/2023	9.53	322.32	22/06/2025	19.53	325.93			
5/10/2024	3.56	325.19	8/03/2023	6.24	325.61						
30/11/2024	3.69	325.06	5/04/2023	6.91	324.94						
28/12/2024	3.67	325.08	4/05/2023	7.33	324.52						
28/01/2025	3.52	325.23	6/06/2023	7.97	323.88						
28/02/2025	3.32	325.43	25/06/2023	8.30	323.55						
31/03/2025	3.27	325.48	23/07/2023	8.44	323.41						
24/04/2025	3.35	325.40	22/08/2023	8.82	323.03						
21/05/2025	3.35	325.40	27/09/2023	9.46	322.39						
22/06/2025	3.11	325.64	24/10/2023	9.50	322.35						
			24/11/2023	9.56	322.29						
			16/12/2023	9.93	321.92						
			9/01/2024	9.93	321.92						
			22/03/2024	5.17	326.68						
			16/04/2024	5.23	326.62						
			15/05/2024	5.12	326.73						
			16/06/2024	6.72	325.13						
			12/07/2024	8.04	323.81						
			30/08/2024	9.10	322.75						
			27/09/2024	9.14	322.71						
			5/10/2024	9.18	322.67						
			30/11/2024	9.19	322.66						
			28/12/2024	9.20	322.65						
			28/01/2025	9.10	322.75						
			28/02/2025	8.39	323.46						
			31/03/2025	8.47	323.38						
			24/04/2025	8.66	323.19						
			21/05/2025	8.99	322.86						
			22/06/2025	9.09	322.76						

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB01	SMPB01 mbrp	SMPB01 mAHD	SMPB02	SMPB02 mbrp	SMPB02 mAHD	SMPB03	SMPB03 mbrp	SMPB03 mAHD	SMPB04
		311.59			**308.02**			**318.80**	
10/11/2004	5.10	306.49	10/11/2004	4.80	303.22	10/11/2004	4.10	314.70	10/11/2004
19/12/2004	4.80	306.79	19/12/2004	4.40	303.62	19/12/2004	5.30	313.50	19/12/2004
13/01/2005	4.30	307.29	13/01/2005	4.00	304.02	13/01/2005	4.30	314.50	13/01/2005
18/02/2005	4.40	307.19	18/02/2005	4.10	303.92	18/02/2005	4.80	314.00	18/02/2005
12/03/2005	4.60	306.99	12/03/2005	4.40	303.62	12/03/2005	4.30	314.50	12/03/2005
16/04/2005	7.50	304.09	16/04/2005	5.50	302.52	16/04/2005	10.40	308.40	16/04/2005
13/05/2005	9.30	302.29	13/05/2005	4.10	303.92	13/05/2005	6.50	312.30	13/05/2005
21/06/2005	5.40	306.19	21/06/2005	5.10	302.92	21/06/2005	5.30	313.50	21/06/2005
16/07/2005	5.90	305.69	16/07/2005	11.30	296.72	16/07/2005	7.60	311.20	16/07/2005
20/08/2005	6.90	304.69	20/08/2005	14.30	293.72	20/08/2005	7.50	311.30	20/08/2005
19/09/2005	6.20	305.39	19/09/2005	14.60	293.42	19/09/2005	8.30	310.50	19/09/2005
22/10/2005	10.00	301.59	22/10/2005	14.30	293.72	22/10/2005	8.10	310.70	22/10/2005
30/11/2005	11.20	300.39	30/11/2005	13.20	294.82	30/11/2005	13.20	305.60	30/11/2005
22/12/2005	6.50	305.09	22/12/2005	6.10	301.92	22/12/2005	13.40	305.40	22/12/2005
12/01/2006	10.20	301.39	12/01/2006	5.40	302.62	12/01/2006	6.50	312.30	12/01/2006
20/02/2006	4.10	307.49	20/02/2006	12.80	295.22	20/02/2006	3.60	315.20	20/02/2006
7/03/2006	3.80	307.79	7/03/2006	11.80	296.22	7/03/2006	2.90	315.90	7/03/2006
5/04/2006	3.40	308.19	5/04/2006	12.30	295.72	5/04/2006	2.00	316.80	5/04/2006
17/05/2006	6.50	305.09	17/05/2006	13.00	295.02	17/05/2006	3.50	315.30	17/05/2006
7/06/2006	4.70	306.89	7/06/2006	13.50	294.52	7/06/2006	3.10	315.70	7/06/2006
21/07/2006	4.90	306.69	21/07/2006	15.10	292.92	21/07/2006	3.40	315.40	21/07/2006
12/08/2006	4.90	306.69	12/08/2006	13.80	294.22	12/08/2006	3.50	315.30	12/08/2006
15/09/2006	5.20	306.39	15/09/2006	13.50	294.52	15/09/2006	3.10	315.70	15/09/2006
12/10/2006	10.10	301.49	12/10/2006	13.80	294.22	12/10/2006	3.10	315.70	12/10/2006
20/11/2006	14.60	296.99	20/11/2006	5.00	303.02	20/11/2006	3.30	315.50	20/11/2006
14/12/2006	12.90	298.69	14/12/2006	4.30	303.72	14/12/2006	5.80	313.00	14/12/2006
20/01/2007	13.20	298.39	20/01/2007	4.66	303.36	20/01/2007	3.07	315.73	20/01/2007
16/02/2007	12.27	299.32	16/02/2007	4.74	303.28	16/02/2007	3.26	315.54	16/02/2007
30/03/2007	4.47	307.12	30/03/2007	12.10	295.92	30/03/2007	2.78	316.02	30/03/2007
30/04/2007	10.80	300.79	30/04/2007	13.30	294.72	30/04/2007	3.23	315.57	30/04/2007
27/05/2007	5.05	306.54	27/05/2007	13.30	294.72	27/05/2007	3.20	315.60	27/05/2007
30/06/2007	4.93	306.66	30/06/2007	13.73	294.29	30/06/2007	12.85	305.95	30/06/2007
21/07/2007	5.01	306.58	21/07/2007	13.92	294.10	21/07/2007	13.40	305.40	21/07/2007
30/08/2007	5.22	306.37	30/08/2007	13.76	294.26	30/08/2007	13.51	305.29	30/08/2007
21/09/2007	6.87	304.72	21/09/2007	5.85	302.17	21/09/2007	5.33	313.47	21/09/2007
16/10/2007	6.19	305.40	16/10/2007	13.77	294.25	16/10/2007	13.34	305.46	16/10/2007
7/11/2007	5.88	305.71	7/11/2007	13.79	294.23	7/11/2007	13.56	305.24	7/11/2007
15/12/2007	5.30	306.29	15/12/2007	13.82	294.20	15/12/2007	13.17	305.63	15/12/2007
2/01/2008	5.13	306.46	2/01/2008	13.77	294.25	2/01/2008	13.43	305.37	2/01/2008
3/02/2008	5.10	306.49	3/02/2008	4.19	303.83	3/02/2008	5.26	313.54	3/02/2008
3/03/2008	4.39	307.20	3/03/2008	4.14	303.88	3/03/2008	13.47	305.33	3/03/2008
9/04/2008	4.91	306.68	9/04/2008	4.59	303.43	9/04/2008	13.51	305.29	9/04/2008
10/05/2008	5.19	306.40	10/05/2008	5.00	303.02	10/05/2008	13.59	305.21	10/05/2008
4/06/2008	5.58	306.01	4/06/2008	5.28	302.74	4/06/2008	13.61	305.19	4/06/2008
14/07/2008	5.81	305.78	14/07/2008	5.57	302.45	14/07/2008	13.46	305.34	14/07/2008
2/08/2008	5.96	305.63	2/08/2008	5.71	302.31	2/08/2008	13.38	305.42	2/08/2008
19/09/2008	6.31	305.28	19/09/2008	6.17	301.85	19/09/2008	13.13	305.67	19/09/2008
18/10/2008	6.67	304.92	18/10/2008	6.71	301.31	18/10/2008	13.34	305.46	18/10/2008
16/11/2008	8.99	302.60	16/11/2008	14.04	293.98	16/11/2008	13.35	305.45	16/11/2008
12/12/2008	6.29	305.30	12/12/2008	6.82	301.20	12/12/2008	5.63	313.17	12/12/2008
9/01/2009	5.73	305.86	9/01/2009	5.67	302.35	9/01/2009	13.47	305.33	9/01/2009
7/02/2009	3.01	308.58	7/02/2009	3.16	304.86	7/02/2009	12.56	306.24	7/02/2009
7/03/2009	3.88	307.71	7/03/2009	3.68	304.34	7/03/2009	2.83	315.97	7/03/2009
2/04/2009	4.55	307.04	2/04/2009	4.19	303.83	2/04/2009	12.97	305.83	2/04/2009
3/05/2009	4.95	306.64	3/05/2009	4.56	303.46	3/05/2009	13.42	305.38	3/05/2009
1/06/2009	10.01	301.58	1/06/2009	4.64	303.38	1/06/2009	13.44	305.36	1/06/2009
1/07/2009	5.25	306.34	1/07/2009	4.75	303.27	1/07/2009	13.41	305.39	1/07/2009
1/07/2009	5.25	306.34	1/07/2009	4.75	303.27	1/07/2009	13.41	305.39	1/07/2009
26/08/2009	5.89	305.70	26/08/2009	4.95	303.07	26/08/2009	13.47	305.33	26/08/2009
26/09/2009	11.50	300.09	26/09/2009	5.25	302.77	26/09/2009	4.77	314.03	26/09/2009
19/10/2009	4.63	306.96	19/10/2009	5.44	302.58	19/10/2009	4.90	313.90	19/10/2009
9/11/2009	6.19	305.40	9/11/2009	5.52	302.50	9/11/2009	4.61	314.19	9/11/2009
8/12/2009	15.51	296.08	8/12/2009	5.80	302.22	8/12/2009	13.37	305.43	8/12/2009
17/01/2010	7.03	304.56	17/01/2010	5.39	302.63	17/01/2010	15.38	303.42	17/01/2010
9/02/2010	5.36	306.23	9/02/2010	4.79	303.23	9/02/2010	4.05	314.75	9/02/2010
7/03/2010	5.12	306.47	7/03/2010	4.77	303.25	7/03/2010	3.77	315.03	7/03/2010
3/04/2010	5.23	306.36	3/04/2010	4.93	303.09	3/04/2010	3.81	314.99	3/04/2010
1/05/2010	5.35	306.24	1/05/2010	5.01	303.01	1/05/2010	3.99	314.81	1/05/2010
3/06/2010	5.51	306.08	3/06/2010	13.78	294.24	3/06/2010	4.17	314.63	3/06/2010
1/07/2010	6.06	305.53	1/07/2010	5.80	302.22	1/07/2010	6.73	312.07	1/07/2010
1/07/2010	6.06	305.53	1/07/2010	5.80	302.22	1/07/2010	6.73	312.07	1/07/2010
21/08/2010	6.37	305.22	21/08/2010	5.81	302.21	21/08/2010	13.52	305.28	21/08/2010
20/09/2010	9.86	301.73	20/09/2010	6.07	301.95	20/09/2010	6.33	312.47	20/09/2010
16/10/2010	6.36	305.23	16/10/2010	5.85	302.17	16/10/2010	13.57	305.23	16/10/2010
13/11/2010	5.72	305.87	13/11/2010	5.31	302.71	13/11/2010	4.73	314.07	13/11/2010
11/12/2010	5.76	305.83	11/12/2010	5.34	302.68	11/12/2010	4.65	314.15	11/12/2010
13/01/2011	5.71	305.88	13/01/2011	5.21	302.81	13/01/2011	4.70	314.10	13/01/2011
4/02/2011	4.70	306.89	4/02/2011	4.46	303.56	4/02/2011	3.59	315.21	4/02/2011
10/03/2011	3.10	308.49	10/03/2011	3.41	304.61	15/03/2011	11.02	307.78	10/03/2011
27/04/2011	3.26	308.33	27/04/2011	3.47	304.55	27/04/2011	2.00	316.80	27/04/2011
20/05/2011	3.74	307.85	20/05/2011	3.74	304.28	20/05/2011	2.15	316.65	20/05/2011
6/06/2011	4.11	307.48	6/06/2011	4.01	304.01	6/06/2011	2.60	316.20	6/06/2011
9/06/2011	4.13	307.46	9/06/2011	3.97	304.05	18/07/2011	2.84	315.96	9/06/2011
5/07/2011	4.36	307.23	5/07/2011	4.12	303.90	1/08/2011	2.92	315.88	18/07/2011
18/07/2011	4.51	307.08	18/07/2011	4.24	303.78	17/08/2011	2.92	315.88	23/07/2011
23/07/2011	4.49	307.10	23/07/2011	4.21	303.81	7/09/2011	3.01	315.79	30/07/2011
30/07/2011	4.51	307.08	30/07/2011	4.21	303.81	17/09/2011	3.08	315.72	1/08/2011
1/08/2011	4.57	307.02	1/08/2011	4.24	303.78	6/10/2011	3.13	315.67	11/08/2011
11/08/2011	4.60	306.99	11/08/2011	4.30	303.72	14/10/2011	12.52	306.28	17/08/2011

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB01	SMPB01 mbrp	SMPB01 mAHD	SMPB02	SMPB02 mbrp	SMPB02 mAHD	SMPB03	SMPB03 mbrp	SMPB03 mAHD	SMPB04
		311.59			**308.02**			**318.80**	
17/08/2011	4.61	306.98	17/08/2011	3.71	304.31	8/11/2011	12.82	305.98	7/09/2011
7/09/2011	4.74	306.85	7/09/2011	4.39	303.63	3/03/2012	13.40	305.40	13/09/2011
13/09/2011	3.22	308.37	13/09/2011	4.42	303.60	4/04/2012	3.26	315.54	17/09/2011
17/09/2011	4.82	306.77	17/09/2011	4.45	303.57	26/05/2012	13.39	305.41	22/09/2011
22/09/2011	4.92	306.67	22/09/2011	4.48	303.54	29/06/2012	13.50	305.30	6/10/2011
6/10/2011	4.90	306.69	6/10/2011	4.51	303.51	25/07/2012	11.60	307.20	14/10/2011
14/10/2011	4.95	306.64	14/10/2011	4.56	303.46	23/08/2012	13.42	305.38	23/10/2011
23/10/2011	3.98	307.61	23/10/2011	4.60	303.42	17/09/2012	13.40	305.40	8/11/2011
8/11/2011	4.99	306.60	8/11/2011	4.58	303.44	11/10/2012	13.43	305.37	14/11/2011
14/11/2011	4.94	306.65	14/11/2011	4.55	303.47	11/12/2012	8.46	310.34	16/12/2011
1/12/2011	4.86	306.73	1/12/2011	4.54	303.48	8/01/2013	13.58	305.22	2/01/2012
16/12/2011	4.89	306.70	16/12/2011	4.59	303.43	28/02/2013	13.52	305.28	14/01/2012
2/01/2012	4.90	306.69	2/01/2012	4.64	303.38	9/03/2013	13.41	305.39	4/02/2012
14/01/2012	4.92	306.67	14/01/2012	4.65	303.37	8/04/2013	13.47	305.33	3/03/2012
4/02/2012	4.84	306.75	4/02/2012	4.48	303.54	2/05/2013	12.65	306.15	4/04/2012
3/03/2012	4.22	307.37	3/03/2012	3.97	304.05	14/06/2013	12.98	305.82	1/05/2012
4/04/2012	4.25	307.34	4/04/2012	4.16	303.86	17/07/2013	13.01	305.79	7/05/2012
1/05/2012	4.65	306.94	1/05/2012	4.40	303.62	24/08/2013	13.42	305.38	2/06/2012
7/05/2012	4.70	306.89	7/05/2012	4.42	303.60	11/09/2013	13.44	305.36	5/06/2012
26/05/2012	4.81	306.78	26/05/2012	5.41	302.61	7/10/2013	13.55	305.25	15/06/2012
5/06/2012	4.86	306.73	5/06/2012	4.54	303.48	11/11/2013	13.53	305.27	29/06/2012
15/06/2012	4.87	306.72	15/06/2012	4.56	303.46	18/12/2013	13.43	305.37	25/07/2012
29/06/2012	4.26	307.33	29/06/2012	3.78	304.24	6/01/2014	13.35	305.45	23/08/2012
25/07/2012	5.00	306.59	25/07/2012	4.67	303.35	2/02/2014	13.48	305.32	17/09/2012
23/08/2012	5.05	306.54	23/08/2012	4.77	303.25	9/03/2014	12.80	306.00	23/09/2012
17/09/2012	5.15	306.44	17/09/2012	4.89	303.13	24/04/2014	12.87	305.93	11/10/2012
23/09/2012	5.19	306.40	23/09/2012	4.90	303.12	5/05/2014	12.79	306.01	11/12/2012
11/10/2012	5.10	306.49	11/10/2012	4.80	303.22	9/06/2014	13.47	305.33	8/01/2013
11/12/2012	5.38	306.21	11/12/2012	5.10	302.92	1/07/2014	13.47	305.33	28/02/2013
8/01/2013	5.07	306.52	8/01/2013	4.77	303.25	1/07/2014	13.47	305.33	9/03/2013
28/02/2013	4.89	306.70	28/02/2013	4.58	303.44	1/08/2014	13.44	305.36	8/04/2013
9/03/2013	4.10	307.49	9/03/2013	4.51	303.51	29/09/2014	13.40	305.40	2/05/2013
8/04/2013	5.03	306.56	8/04/2013	4.72	303.30	31/10/2014	13.43	305.37	14/06/2013
2/05/2013	5.38	306.21	2/05/2013	5.02	303.00	24/11/2014	13.51	305.29	17/07/2013
14/06/2013	5.53	306.06	14/06/2013	5.24	302.78	12/12/2014	13.37	305.43	24/08/2013
17/07/2013	5.72	305.87	17/07/2013	5.40	302.62	26/01/2015	13.46	305.34	11/09/2013
24/08/2013	5.90	305.69	24/08/2013	5.60	302.42	25/02/2015	13.86	304.94	7/10/2013
11/09/2013	6.05	305.54	11/09/2013	5.72	302.30	17/03/2015	15.50	303.30	11/11/2013
7/10/2013	6.24	305.35	7/10/2013	5.93	302.09	4/04/2015	13.62	305.18	18/12/2013
11/11/2013	6.37	305.23	11/11/2013	13.85	294.17	18/05/2015	13.51	305.29	6/01/2014
18/12/2013	4.51	307.08	18/12/2013	13.84	294.18	10/06/2015	13.46	305.34	2/02/2014
6/01/2014	5.41	306.18	6/01/2014	5.42	302.60	19/07/2015	13.42	305.38	9/03/2014
2/02/2014	4.63	306.96	2/02/2014	4.70	303.32	15/08/2015	13.54	305.26	24/04/2014
9/03/2014	3.89	307.70	9/03/2014	3.78	304.24	27/09/2015	14.59	304.21	5/05/2014
24/04/2014	4.78	306.81	24/04/2014	4.52	303.50	31/10/2015	13.61	305.19	9/06/2014
5/05/2014	4.89	306.70	5/05/2014	4.60	303.42	30/11/2015	15.30	303.50	1/07/2014
9/06/2014	5.11	306.48	9/06/2014	4.71	303.31	26/12/2015	13.50	305.30	1/07/2014
1/07/2014	5.14	306.45	1/07/2014	4.81	303.21	31/01/2016	13.43	305.37	1/08/2014
1/07/2014	5.14	306.45	1/07/2014	4.81	303.21	8/03/2016	13.42	305.38	29/09/2014
1/08/2014	5.21	306.38	1/08/2014	4.87	303.15	26/03/2016	13.40	305.40	31/10/2014
29/09/2014	5.46	306.13	29/09/2014	5.17	302.85	21/04/2016	13.47	305.33	24/11/2014
31/10/2014	5.81	305.78	31/10/2014	5.69	302.33	17/05/2016	13.48	305.32	12/12/2014
24/11/2014	6.04	305.55	24/11/2014	13.78	294.24	16/06/2016	13.56	305.24	26/01/2015
12/12/2014	6.14	305.45	12/12/2014	6.10	301.92	11/07/2016	13.48	305.32	25/02/2015
26/01/2015	4.52	307.07	26/01/2015	8.45	299.57	12/09/2016	13.49	305.31	17/03/2015
25/02/2015	4.95	306.64	25/02/2015	13.79	294.23	31/10/2016	13.87	304.93	4/04/2015
17/03/2015	4.90	306.69	17/03/2015	4.78	303.24	21/12/2016	4.76	314.04	18/05/2015
4/04/2015	5.19	306.40	4/04/2015	4.90	303.12	30/01/2017	2.72	316.08	10/06/2015
18/05/2015	5.56	306.03	18/05/2015	13.80	294.22	27/03/2017	2.00	316.80	19/07/2015
10/06/2015	5.77	305.82	10/06/2015	13.92	294.10	21/04/2017	2.27	316.53	15/08/2015
18/07/2015	6.09	305.50	18/07/2015	6.36	301.66	24/05/2017	11.27	307.53	27/09/2015
15/08/2015	6.33	305.26	15/08/2015	6.59	301.43	17/06/2017	11.92	306.88	31/10/2015
27/09/2015	5.70	305.89	27/09/2015	6.95	301.07	15/07/2017	12.17	306.63	30/11/2015
31/10/2015	6.96	304.63	31/10/2015	13.83	294.19	10/08/2017	11.69	307.11	17/12/2015
30/11/2015	7.14	304.45	30/11/2015	13.45	294.57	30/09/2017	11.77	307.03	26/12/2015
8/03/2016	5.21	306.38	26/12/2015	13.88	294.14	30/10/2017	13.39	305.41	31/01/2016
26/03/2016	4.98	306.61	31/01/2016	13.86	294.16	30/11/2017	13.28	305.52	26/03/2016
21/04/2016	5.40	306.19	8/03/2016	13.83	294.19	31/12/2017	13.20	305.60	21/04/2016
17/05/2016	5.23	306.36	26/03/2016	4.97	303.05	27/01/2018	13.33	305.47	17/05/2016
16/06/2016	5.55	306.04	21/04/2016	13.81	294.21	22/02/2018	3.90	314.90	16/06/2016
11/07/2016	5.81	305.78	19/05/2016	15.85	292.17	20/03/2018	13.01	305.79	11/07/2016
9/08/2016	6.11	305.48	16/06/2016	5.50	302.52	25/04/2018	13.49	305.31	12/09/2016
12/09/2016	6.53	305.06	11/07/2016	5.70	302.32	22/05/2018	13.51	305.29	31/10/2016
30/11/2016	6.63	304.96	9/08/2016	5.94	302.08	16/06/2018	13.70	305.10	30/11/2016
27/03/2017	3.26	308.33	12/09/2016	6.26	301.76	13/07/2018	13.61	305.19	21/12/2016
17/06/2017	4.60	306.99	31/10/2016	6.76	301.26	15/08/2018	13.69	305.11	30/01/2017
15/07/2017	4.74	306.85	30/11/2016	6.26	301.76	19/09/2018	13.53	305.27	27/03/2017
10/08/2017	4.85	306.74	21/12/2016	4.90	303.12	22/10/2018	13.43	305.37	21/04/2017
30/09/2017	5.11	306.48	30/01/2017	3.18	304.84	16/11/2018	13.62	305.18	24/05/2017
30/10/2017	4.43	307.16	27/03/2017	7.22	300.80	14/12/2018	13.69	305.11	17/06/2017
30/11/2017	4.08	307.51	21/04/2017	3.83	304.19	4/02/2019	13.50	305.30	15/07/2017
31/12/2017	4.21	307.38	24/05/2017	13.90	294.12	3/03/2019	13.53	305.27	10/08/2017
27/01/2018	4.21	307.38	17/06/2017	4.28	303.74	30/03/2019	13.65	305.15	30/09/2017
22/02/2018	3.96	307.63	15/07/2017	13.82	294.20	28/04/2019	13.56	305.24	30/10/2017
20/03/2018	4.13	307.46	10/08/2017	4.41	303.61	31/07/2019	13.63	305.17	30/11/2017
25/04/2018	4.54	307.05	30/09/2017	4.68	303.34	29/08/2019	13.58	305.22	31/12/2017
22/05/2018	4.72	306.87	30/10/2017	3.96	304.06	25/09/2019	7.13	311.67	27/01/2018
16/06/2018	4.91	306.68	30/11/2017	3.89	304.13	22/10/2019	13.71	305.09	22/02/2018
13/07/2018	5.13	306.46	31/12/2017	3.99	304.03	25/01/2020	13.56	305.24	20/03/2018

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB01	SMPB01 mbrp	SMPB01 mAHD	SMPB02	SMPB02 mbrp	SMPB02 mAHD	SMPB03	SMPB03 mbrp	SMPB03 mAHD	SMPB04
		311.59			**308.02**			**318.80**	
15/08/2018	5.32	306.27	27/01/2018	3.91	304.11	29/02/2020	13.50	305.30	25/04/2018
19/09/2018	5.63	305.96	22/02/2018	3.17	304.85	30/03/2020	13.62	305.18	22/05/2018
22/10/2018	5.84	305.75	20/03/2018	4.05	303.97	30/04/2020	13.65	305.15	16/06/2018
16/11/2018	7.10	304.49	25/04/2018	4.34	303.68	26/05/2020	13.67	305.13	13/07/2018
14/12/2018	6.98	304.61	22/05/2018	4.46	303.56	25/06/2020	13.65	305.15	15/08/2018
4/02/2019	4.95	306.64	16/06/2018	4.66	303.36	25/08/2020	13.45	305.35	19/09/2018
3/03/2019	5.49	306.10	13/07/2018	4.76	303.26	24/09/2020	13.57	305.23	22/10/2018
30/03/2019	5.74	305.85	15/08/2018	5.01	303.01	20/10/2020	13.50	305.30	16/11/2018
28/04/2019	6.42	305.17	19/09/2018	12.07	295.95	27/11/2020	13.75	305.05	14/12/2018
31/07/2019	11.34	300.25	22/10/2018	12.84	295.18	12/01/2021	13.70	305.10	4/02/2019
29/08/2019	12.93	298.66	16/11/2018	13.80	294.22	27/02/2021	13.61	305.19	3/03/2019
13/09/2019	6.69	304.90	14/12/2018	7.38	300.64	31/03/2021	13.61	305.19	30/03/2019
25/09/2019	14.74	296.85	4/02/2019	13.70	294.32	25/04/2021	13.65	305.15	28/04/2019
13/10/2019	7.76	303.83	3/03/2019	13.76	294.26	24/05/2021	4.43	314.37	31/07/2019
23/10/2019	8.44	303.15	30/03/2019	13.20	294.82	24/07/2021	13.54	305.26	29/08/2019
8/11/2019	14.85	296.74	28/04/2019	13.74	294.28	20/08/2021	5.64	313.16	13/09/2019
27/12/2019	20.57	291.02	31/07/2019	13.02	295.00	20/09/2021	13.55	305.25	25/09/2019
25/01/2020	6.96	304.63	29/08/2019	13.03	294.99	20/10/2021	13.7	305.10	22/10/2019
8/02/2020	5.12	306.47	13/09/2019	12.84	295.18	13/11/2021	13.63	305.17	23/10/2019
29/02/2020	12.64	298.95	25/09/2019	13.18	294.84	10/12/2021	13.5	305.30	8/11/2019
5/03/2020	4.67	306.92	13/10/2019	13.13	294.89	17/01/2022	14.05	304.75	27/12/2019
30/03/2020	4.57	307.02	23/10/2019	14.05	293.97	4/02/2022	14.07	304.73	25/01/2020
30/04/2020	5.01	306.58	8/11/2019	13.83	294.19	13/03/2022	13.46	305.34	8/02/2020
26/05/2020	5.31	306.28	27/12/2019	9.23	298.79	7/04/2022	13.55	305.25	5/03/2020
25/06/2020	5.02	306.57	25/01/2020	12.84	295.18	2/05/2022	13.55	305.25	30/03/2020
25/08/2020	6.52	305.07	8/02/2020	4.96	303.06	31/05/2022	14.42	304.38	30/04/2020
24/09/2020	6.81	304.78	29/02/2020	4.44	303.58	26/06/2022	13.95	304.85	26/05/2020
20/10/2020	7.06	304.53	5/03/2020	11.80	296.22	28/07/2022	13.85	304.95	25/06/2020
27/11/2020	6.88	304.71	30/03/2020	4.52	303.50	20/08/2022	13.90	304.90	25/08/2020
12/01/2021	5.28	306.31	30/04/2020	5.06	302.96	27/09/2022	13.88	304.92	24/09/2020
27/02/2021	3.39	308.20	26/05/2020	5.30	302.72	20/10/2022	14.66	304.14	20/10/2020
31/03/2021	3.61	307.98	25/06/2020	5.78	302.24	18/11/2022	13.72	305.08	27/11/2020
25/04/2021	4.04	307.55	25/08/2020	6.59	301.43	11/12/2022	13.67	305.13	12/01/2021
24/05/2021	4.48	307.11	24/09/2020	6.52	301.50	11/01/2023	13.54	305.26	27/02/2021
27/06/2021	4.92	306.67	20/10/2020	6.74	301.28	3/02/2023	13.53	305.27	31/03/2021
24/07/2021	5.24	306.35	27/11/2020	7.24	300.78	7/03/2023	13.86	304.94	25/04/2021
20/08/2021	5.65	305.94	12/01/2021	4.96	303.06	4/04/2023	12.76	306.04	24/05/2021
20/09/2021	6.01	305.58	27/02/2021	3.38	304.64	3/05/2023	2.92	315.88	27/06/2021
20/10/2021	6.55	305.04	31/03/2021	3.41	304.61	5/06/2023	12.89	305.91	24/07/2021
13/11/2021	6.47	305.12	25/04/2021	3.79	304.23	25/06/2023	13.66	305.14	20/08/2021
10/12/2021	6.18	305.41	24/05/2021	4.15	303.87	28/07/2022	13.85	304.95	20/09/2021
17/01/2022	5.46	306.13	27/06/2021	4.49	303.53	20/08/2022	13.90	304.90	20/10/2021
4/02/2022	2.89	308.70	24/07/2021	4.75	303.27	27/09/2022	13.88	304.92	13/11/2021
12/03/2022	3.62	307.97	20/08/2021	4.9	303.12	20/10/2022	14.66	304.14	10/12/2021
6/04/2022	4.07	307.52	20/10/2021	5.87	302.15	18/11/2022	13.72	305.08	17/01/2022
2/05/2022	4.42	307.17	13/11/2021	5.63	302.39	11/12/2022	13.67	305.13	4/02/2022
31/05/2022	4.84	306.75	10/12/2021	5.65	302.37	11/01/2023	13.54	305.26	12/03/2022
28/06/2022	5.17	306.42	17/01/2022	4.97	303.05	3/02/2023	13.53	305.27	6/04/2022
28/07/2022	5.48	306.11	4/02/2022	3.06	304.96	7/03/2023	13.86	304.94	2/05/2022
19/08/2022	5.79	305.80	12/03/2022	3.47	304.55	4/04/2023	12.76	306.04	31/05/2022
27/09/2022	6.38	305.21	6/04/2022	3.78	304.24	3/05/2023	2.92	315.88	26/06/2022
18/10/2022	6.46	305.13	2/05/2022	4.02	304.00	5/06/2023	12.89	305.91	28/07/2022
18/11/2022	6.37	305.22	31/05/2022	4.43	303.59	25/06/2023	13.66	305.14	19/08/2022
11/12/2022	4.67	306.92	28/06/2022	4.59	303.43	22/07/2023	15.52	303.28	27/09/2022
12/01/2023	4.63	306.96	28/07/2022	4.81	303.21	20/08/2023	14.15	304.65	19/10/2022
3/02/2023	3.06	308.53	19/08/2022	12.35	295.67	26/09/2023	14.82	303.98	18/11/2022
6/03/2023	2.32	309.27	27/09/2022	5.50	302.52	23/10/2023	13.85	304.95	11/12/2022
3/04/2023	4.20	307.39	18/10/2022	12.22	295.80	23/11/2023	15.16	303.64	12/01/2023
2/05/2023	3.12	308.47	18/11/2022	11.10	296.92	15/12/2023	14.77	304.03	3/02/2023
4/06/2023	3.59	308.00	11/12/2022	11.25	296.77	8/01/2024	13.59	305.21	6/03/2023
24/06/2023	5.32	306.27	12/01/2023	13.78	294.24	22/03/2024	13.41	305.39	3/04/2023
21/07/2023	5.01	306.58	3/02/2023	5.05	302.97	16/04/2024	12.99	305.81	2/05/2023
20/08/2023	4.19	307.40	6/03/2023	2.72	305.30	15/05/2024	3.06	315.74	4/06/2023
25/09/2023	4.04	307.55	3/04/2023	4.73	303.29	16/06/2024	13.64	305.16	24/06/2023
24/10/2023	4.21	307.38	2/05/2023	12.43	295.59	12/07/2024	13.44	305.36	23/10/2023
22/11/2023	4.30	307.29	4/06/2023	10.94	297.08	30/08/2024	13.52	305.28	14/12/2023
14/12/2023	4.33	307.26	24/06/2023	8.63	299.39	27/09/2024	13.75	305.05	7/01/2024
7/01/2024	4.22	307.37	21/07/2023	4.43	303.59	5/10/2024	14	304.80	22/03/2024
22/03/2024	2.97	308.62	20/08/2023	9.78	298.24	30/11/2024	13.5	305.30	16/04/2024
16/04/2024	3.00	308.59	25/09/2023	3.71	304.31	28/12/2024	13.6	305.20	15/05/2024
15/05/2024	3.17	308.42	24/10/2023	3.91	304.11	28/01/2025	3.23	315.57	16/06/2024
16/06/2024	2.53	309.06	1/11/2023		308.02	28/02/2025	13.87	304.93	12/07/2024
12/07/2024	3.62	307.97	22/11/2023	8.76	299.26	31/03/2025	13.86	304.94	30/08/2024
30/08/2024	3.92	307.67	14/12/2023	11.86	296.16	24/04/2025	15.38	303.42	27/09/2024
27/09/2024	3.93	307.66	7/01/2024	10.74	297.28	21/05/2025	3.19	315.61	5/10/2024
5/10/2024	3.98	307.61	22/03/2024	8.66	299.36				30/11/2024
30/11/2024	3.91	307.68	16/04/2024	8.74	299.28				28/12/2024
28/12/2024	3.91	307.68	15/05/2024	8.89	299.13				28/01/2025
28/01/2025	3.89	307.70	16/06/2024	11.53	296.49				28/02/2025
28/02/2025	2.48	309.11	12/07/2024	12.53	295.49				31/03/2025
31/03/2025	3.12	308.47	30/08/2024	11.15	296.87				24/04/2025
24/04/2025	3.70	307.89	27/09/2024	11.09	296.93				21/05/2025
21/05/2025	3.92	307.67	5/10/2024	3.88	304.14				22/06/2025
22/06/2025	3.91	307.68	30/11/2024	9.96	298.06				
			28/12/2024	10.06	297.96				
			28/01/2025	10.33	297.69				
			28/02/2025	11.21	296.81				
			31/03/2025	11.16	296.86				
			24/04/2025	11.81	296.21				

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB01	SMPB01 mbrp	SMPB01 mAHD	SMPB02	SMPB02 mbrp	SMPB02 mAHD	SMPB03	SMPB03 mbrp	SMPB03 mAHD	SMPB04
		311.59			308.02			318.80	
			21/05/2025	12.86	295.16				
			22/06/2025	3.66	304.36				

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB04 mbrp	SMPB04 mAHD	SMPB05	SMPB05 mbrp	SMPB05 mAHD	SMPB06	SMPB06 mbrp	SMPB06 mAHD	SMPB07	SMPB07 mbrp	SMPB07 mAHD	SMPB08	SMPB08 mbrp	SMPB08 mAHD
	325.01			**316.99**			**319.72**			**321.04**			**323.53**
4.00	321.01	10/11/2004	2.00	314.99	10/11/2004	3.80	315.92	10/11/2004	6.00	315.04	4/10/2004	3.55	319.98
14.20	310.81	19/12/2004	2.90	314.09	19/12/2004	3.20	316.52	19/12/2004	5.70	315.34	10/11/2004	3.40	320.13
16.00	309.01	13/01/2005	2.70	314.29	13/01/2005	3.00	316.72	13/01/2005	5.50	315.54	19/12/2004	4.00	319.53
17.60	307.41	18/02/2005	2.80	314.19	18/02/2005	3.30	316.42	18/02/2005	5.70	315.34	13/01/2005	3.80	319.73
16.00	309.01	12/03/2005	4.70	312.29	12/03/2005	3.60	316.12	12/03/2005	5.70	315.34	18/02/2005	3.70	319.83
15.50	309.51	16/04/2005	5.30	311.69	16/04/2005	4.30	315.42	16/04/2005	6.80	314.24	12/03/2005	4.00	319.53
13.00	312.01	13/05/2005	5.90	311.09	13/05/2005	4.00	315.72	13/05/2005	6.70	314.34	16/04/2005	4.00	319.53
13.00	312.01	21/06/2005	4.00	312.99	21/06/2005	4.70	315.02	21/06/2005	7.20	313.84	13/05/2005	4.60	318.93
12.20	312.81	16/07/2005	4.00	312.99	16/07/2005	5.50	314.22	16/07/2005	9.40	311.64	21/06/2005	5.10	318.43
7.00	318.01	20/08/2005	17.00	299.99	20/08/2005	10.70	309.02	20/08/2005	12.00	309.04	16/07/2005	5.40	318.13
14.80	310.21	19/09/2005	7.20	309.79	19/09/2005	8.00	311.72	19/09/2005	13.50	307.54	20/08/2005	5.70	317.83
14.00	311.01	22/10/2005	8.30	308.69	22/10/2005	8.00	311.72	22/10/2005	12.60	308.44	19/09/2005	6.10	317.43
12.00	313.01	30/11/2005	3.20	313.79	30/11/2005	7.75	311.97	30/11/2005	13.80	307.24	22/10/2005	6.40	317.13
10.00	315.01	22/12/2005	4.20	312.79	22/12/2005	6.30	313.42	22/12/2005	8.00	313.04	30/11/2005	5.90	317.63
9.40	315.61	12/01/2006	3.50	313.49	12/01/2006	4.60	315.12	12/01/2006	6.70	314.34	22/12/2005	4.70	318.83
5.80	319.21	20/02/2006	2.60	314.39	20/02/2006	3.10	316.62	20/02/2006	5.00	316.04	12/01/2006	4.00	319.53
4.90	320.11	7/03/2006	2.50	314.49	7/03/2006	2.90	316.82	7/03/2006	4.70	316.34	20/02/2006	3.90	319.63
3.60	321.41	5/04/2006	2.20	314.79	5/04/2006	2.60	317.12	5/04/2006	4.30	316.74	7/03/2006	3.00	320.53
4.10	320.91	17/05/2006	2.70	314.29	17/05/2006	3.00	316.72	17/05/2006	4.70	316.34	5/04/2006	2.80	320.73
4.50	320.51	7/06/2006	2.70	314.29	7/06/2006	3.20	316.52	7/06/2006	4.80	316.24	17/05/2006	3.20	320.33
6.50	318.51	21/07/2006	3.00	313.99	21/07/2006	3.20	316.52	21/07/2006	5.10	315.94	7/06/2006	3.30	320.23
5.00	320.01	12/08/2006	2.90	314.09	12/08/2006	3.30	316.42	12/08/2006	5.10	315.94	21/07/2006	3.40	320.13
5.30	319.71	15/09/2006	16.10	300.89	15/09/2006	5.60	314.12	15/09/2006	5.90	315.14	12/08/2006	3.40	320.13
5.80	319.21	12/10/2006	15.80	301.19	12/10/2006	6.20	313.52	12/10/2006	6.50	314.54	15/09/2006	3.50	320.03
6.60	318.41	20/11/2006	16.10	300.89	20/11/2006	5.10	314.62	20/11/2006	9.70	311.34	12/10/2006	3.80	319.73
7.30	317.71	14/12/2006	16.20	300.79	14/12/2006	9.20	310.52	14/12/2006	11.80	309.24	20/11/2006	4.10	319.43
7.26	317.75	20/01/2007	3.20	313.79	20/01/2007	3.84	315.88	20/01/2007	5.78	315.26	14/12/2006	3.20	320.33
7.00	318.01	16/02/2007	3.33	313.66	16/02/2007	5.37	314.35	16/02/2007	5.85	315.19	20/01/2007	3.56	319.97
8.30	316.71	30/03/2007	2.30	314.69	30/03/2007	2.81	316.91	30/03/2007	4.81	316.23	16/02/2007	3.69	319.84
6.40	318.61	30/04/2007	3.12	313.87	30/04/2007	3.47	316.25	30/04/2007	5.34	315.70	30/03/2007	2.14	321.39
6.31	318.70	27/05/2007	3.50	313.49	27/05/2007	3.45	316.27	27/05/2007	5.31	315.73	30/04/2007	3.30	320.23
6.38	318.63	30/06/2007	3.11	313.88	30/06/2007	3.46	316.26	30/06/2007	5.30	315.74	27/05/2007	3.50	320.03
6.52	318.49	21/07/2007	3.22	313.77	21/07/2007	3.56	316.16	21/07/2007	5.36	315.68	30/06/2007	3.30	320.23
6.93	318.08	30/08/2007	3.29	313.70	30/08/2007	3.74	315.98	30/08/2007	5.60	315.44	21/07/2007	3.61	319.92
7.17	317.84	21/09/2007	3.32	313.67	21/09/2007	3.93	315.79	21/09/2007	5.74	315.30	30/08/2007	3.94	319.59
7.40	317.61	16/10/2007	3.38	313.61	16/10/2007	4.28	315.44	16/10/2007	6.06	314.98	21/09/2007	4.28	319.25
7.79	317.22	7/11/2007	3.40	313.59	7/11/2007	4.25	315.47	7/11/2007	6.30	314.74	16/10/2007	4.57	318.96
7.57	317.44	15/12/2007	2.23	314.76	15/12/2007	3.86	315.86	15/12/2007	5.83	315.21	7/11/2007	3.95	319.58
7.32	317.69	2/01/2008	3.24	313.75	2/01/2008	3.78	315.94	2/01/2008	5.72	315.32	15/12/2007	3.69	319.84
7.24	317.77	3/02/2008	2.81	314.18	3/02/2008	6.17	313.55	3/02/2008	6.42	314.62	2/01/2008	3.68	319.85
6.28	318.73	3/03/2008	2.96	314.03	3/03/2008	5.75	313.97	3/03/2008	5.93	315.11	3/02/2008	3.60	319.93
6.39	318.62	9/04/2008	3.29	313.70	9/04/2008	3.98	315.74	9/04/2008	4.85	316.19	3/03/2008	3.16	320.37
6.97	318.04	10/05/2008	3.29	313.70	10/05/2008	3.95	315.77	10/05/2008	5.83	315.21	9/04/2008	3.61	319.92
7.38	317.63	4/06/2008	3.92	313.07	4/06/2008	6.44	313.28	4/06/2008	6.76	314.28	10/05/2008	4.12	319.41
7.78	317.23	14/07/2008	3.66	313.33	14/07/2008	7.77	311.95	14/07/2008	7.83	313.21	4/06/2008	4.52	319.01
8.14	316.87	2/08/2008	3.87	313.12	2/08/2008	6.62	313.10	2/08/2008	8.32	312.72	14/07/2008	4.91	318.62
8.99	316.02	19/09/2008	4.54	312.45	19/09/2008	9.92	309.80	19/09/2008	11.88	309.16	2/08/2008	5.18	318.35
9.64	315.37	18/10/2008	5.23	311.76	18/10/2008	11.55	308.17	18/10/2008	14.27	306.77	19/09/2008	5.61	317.92
11.19	313.82	16/11/2008	5.96	311.03	16/11/2008	12.86	306.86	16/11/2008	16.74	304.30	18/10/2008	6.03	317.50
12.28	312.73	12/12/2008	4.79	312.20	12/12/2008	11.72	308.00	12/12/2008	10.66	310.38	16/11/2008	6.47	317.06
10.01	315.00	9/01/2009	4.58	312.41	9/01/2009	10.27	309.45	9/01/2009	9.48	311.56	12/12/2008	5.95	317.58
3.09	321.92	7/02/2009	2.58	314.41	7/02/2009	3.08	316.64	7/02/2009	7.57	313.47	9/01/2009	4.52	319.01
3.42	321.59	7/03/2009	2.40	314.59	7/03/2009	3.35	316.37	7/03/2009	7.90	313.14	7/02/2009	2.78	320.75
4.15	320.86	2/04/2009	2.70	314.29	2/04/2009	3.71	316.01	2/04/2009	8.35	312.69	7/03/2009	2.90	320.63
5.10	319.91	3/05/2009	3.04	313.95	3/05/2009	4.45	315.27	3/05/2009	5.93	315.11	2/04/2009	3.25	320.28
4.97	320.04	1/06/2009	3.04	313.95	1/06/2009	4.65	315.07	1/06/2009	5.32	315.72	3/05/2009	3.44	320.09
5.25	319.76	1/07/2009	3.69	313.30	1/07/2009	3.57	316.15	1/07/2009	5.36	315.68	1/06/2009	3.54	319.99
5.25	319.76	1/07/2009	3.69	313.30	1/07/2009	3.57	316.15	1/07/2009	5.36	315.68	1/07/2009	3.63	319.90
5.97	319.04	26/08/2009	3.29	313.70	26/08/2009	5.06	314.66	26/08/2009	5.95	315.09	1/07/2009	3.63	319.90
6.49	318.52	26/09/2009	3.40	313.59	26/09/2009	5.94	313.78	26/09/2009	6.59	314.45	26/08/2009	3.88	319.65
9.05	315.96	19/10/2009	3.51	313.48	19/10/2009	5.11	314.61	19/10/2009	6.99	314.05	26/09/2009	4.10	319.43
7.15	317.86	9/11/2009	3.46	313.53	9/11/2009	4.40	315.32	9/11/2009	6.39	314.65	19/10/2009	4.48	319.05
7.40	317.61	8/12/2009	3.52	313.47	8/12/2009	6.19	313.53	8/12/2009	6.76	314.28	9/11/2009	4.70	318.83
7.60	317.41	17/01/2010	3.41	313.58	17/01/2010	5.98	313.74	17/01/2010	6.52	314.52	8/12/2009	4.95	318.58
6.69	318.32	9/02/2010	3.14	313.85	9/02/2010	5.91	313.81	9/02/2010	6.08	314.96	17/01/2010	3.94	319.59
6.71	318.30	7/03/2010	13.49	303.50	7/03/2010	6.53	313.19	7/03/2010	9.11	311.93	9/02/2010	3.26	320.27
6.70	318.31	3/04/2010	11.66	305.33	3/04/2010	6.14	313.58	3/04/2010	9.06	311.98	7/03/2010	3.55	319.98
7.96	317.05	1/05/2010	14.12	302.87	1/05/2010	6.65	313.07	1/05/2010	6.86	314.18	3/04/2010	3.75	319.78
7.53	317.48	3/06/2010	14.82	302.17	3/06/2010	5.86	313.86	3/06/2010	6.72	314.32	1/05/2010	3.95	319.58
8.16	316.85	1/07/2010	14.70	302.29	1/07/2010	7.04	312.68	1/07/2010	7.34	313.70	3/06/2010	4.51	319.02
8.16	316.85	1/07/2010	14.70	302.29	1/07/2010	7.04	312.68	1/07/2010	7.34	313.70	1/07/2010	4.78	318.75
8.46	316.55	21/08/2010	16.35	300.64	21/08/2010	5.24	314.48	21/08/2010	7.22	313.82	1/07/2010	4.78	318.75
8.76	316.25	20/09/2010	16.80	300.19	20/09/2010	5.43	314.29	20/09/2010	7.43	313.61	21/08/2010	5.39	318.14
8.76	316.25	16/10/2010	14.16	302.83	16/10/2010	5.18	314.54	16/10/2010	7.30	313.74	20/09/2010	5.69	317.84
8.60	316.41	13/11/2010	3.49	313.50	13/11/2010	4.60	315.12	13/11/2010	6.67	314.37	16/10/2010	6.19	317.34
8.74	316.27	11/12/2010	3.50	313.49	11/12/2010	4.84	314.88	11/12/2010	7.09	313.95	13/11/2010	4.63	318.90
8.96	316.05	13/01/2011	3.52	313.47	13/01/2011	4.68	315.04	13/01/2011	6.79	314.25	11/12/2010	5.15	318.38
8.09	316.92	4/02/2011	10.37	306.62	4/02/2011	3.92	315.80	4/02/2011	5.85	315.19	13/01/2011	4.84	318.69
3.49	321.52	10/03/2011	2.93	314.06	10/03/2011	2.31	317.41	10/03/2011	4.01	317.03	4/02/2011	3.53	320.00
1.51	323.50	27/04/2011	1.95	315.04	27/04/2011	2.29	317.43	27/04/2011	3.99	317.05	10/03/2011	1.98	321.55
2.08	322.93	20/05/2011	1.68	315.31	20/05/2011	2.68	317.04	20/05/2011	4.30	316.74	4/02/2012	3.37	320.16
2.55	322.46	6/06/2011	1.41	315.58	6/06/2011	2.96	316.76	6/06/2011	4.73	316.31	8/04/2013	3.47	320.06
5.01	320.00	9/06/2011	10.42	306.57	9/06/2011	2.60	317.12	9/06/2011	4.71	316.33	2/05/2013	3.10	320.43
3.38	321.63	18/07/2011	9.88	307.11	18/07/2011	3.18	316.54	18/07/2011	4.93	316.11	14/06/2013	4.40	319.13
3.23	321.78	23/07/2011	10.17	306.82	23/07/2011	3.17	316.55	23/07/2011	4.91	316.13	17/07/2013	4.72	318.81
3.33	321.68	30/07/2011	9.94	307.05	30/07/2011	3.16	316.56	30/07/2011	4.92	316.12	24/08/2013	5.00	318.53
3.42	321.59	1/08/2011	2.75	314.24	1/08/2011	3.17	316.55	1/08/2011	4.96	316.08	11/09/2013	5.38	318.15
3.61	321.40	11/08/2011	2.73	314.26	11/08/2011	3.24	316.48	11/08/2011	4.99	316.05	7/10/2013	5.56	317.97
3.65	321.36	17/08/2011	3.09	313.90	17/08/2011	3.24	316.48	17/08/2011	5.08	315.96	11/11/2013	5.96	317.57

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB04 mbrp	SMPB04 mAHD	SMPB05	SMPB05 mbrp	SMPB05 mAHD	SMPB06	SMPB06 mbrp	SMPB06 mAHD	SMPB07	SMPB07 mbrp	SMPB07 mAHD	SMPB08	SMPB08 mbrp	SMPB08 mAHD
	325.01			**316.99**			**319.72**			**321.04**			**323.53**
4.00	321.01	7/09/2011	3.06	313.93	7/09/2011	3.32	316.40	7/09/2011	5.13	315.91	18/12/2013	4.17	319.36
4.09	320.92	13/09/2011	3.44	313.55	13/09/2011	3.34	316.38	13/09/2011	5.12	315.92	2/02/2014	3.34	320.19
4.14	320.87	17/09/2011	2.91	314.08	17/09/2011	3.37	316.35	17/09/2011	5.11	315.93	9/03/2014	2.73	320.80
5.25	319.76	22/09/2011	3.56	313.43	22/09/2011	3.47	316.25	22/09/2011	5.09	315.95	24/04/2014	12.25	311.28
5.41	319.60	6/10/2011	11.53	305.46	6/10/2011	3.40	316.32	6/10/2011	5.11	315.93	5/05/2014	3.37	320.16
4.51	320.50	14/10/2011	11.56	305.43	14/10/2011	3.51	316.21	14/10/2011	5.13	315.91	9/06/2014	12.63	310.90
4.80	320.21	23/10/2011	3.11	313.88	23/10/2011	3.47	316.25	23/10/2011	5.28	315.76	1/07/2014	12.92	310.61
4.67	320.34	8/11/2011	3.67	313.32	8/11/2011	3.47	316.25	14/11/2011	5.26	315.78	1/07/2014	12.92	310.61
5.88	319.13	16/12/2011	3.45	313.54	14/11/2011	3.45	316.27	1/12/2011	5.24	315.80	1/08/2014	3.57	319.96
4.89	320.12	14/01/2012	12.27	304.72	1/12/2011	3.46	316.26	16/12/2011	5.24	315.80	29/09/2014	3.92	319.61
4.91	320.10	4/02/2012	11.98	305.01	16/12/2011	3.48	316.24	2/01/2012	5.27	315.77	31/10/2014	4.38	319.15
5.10	319.91	3/03/2012	2.64	314.35	2/01/2012	3.68	316.04	14/01/2012	3.52	317.52	24/11/2014	4.65	318.88
5.19	319.82	4/04/2012	2.78	314.21	14/01/2012	5.34	314.38	4/02/2012	5.27	315.77	12/12/2014	4.85	318.68
4.51	320.50	1/05/2012	10.56	306.43	4/02/2012	3.44	316.28	3/03/2012	4.72	316.32	26/01/2015	2.91	320.62
3.97	321.04	7/05/2012	3.34	313.65	3/03/2012	2.89	316.83	4/04/2012	4.92	316.12	8/03/2016	1.04	322.49
4.55	320.46	2/06/2012	11.47	305.52	4/04/2012	3.13	316.59	1/05/2012	5.17	315.87	26/03/2016	3.53	320.00
4.67	320.34	5/06/2012	11.27	305.72	1/05/2012	2.37	317.35	7/05/2012	5.16	315.88	21/04/2016	4.13	319.40
5.00	320.01	15/06/2012	2.98	314.01	7/05/2012	3.38	316.34	2/06/2012	5.26	315.78	17/05/2016	4.11	319.42
5.01	320.00	29/06/2012	3.10	313.89	2/06/2012	3.45	316.27	5/06/2012	5.22	315.82	16/06/2016	4.86	318.67
5.03	319.98	25/07/2012	3.00	313.99	5/06/2012	3.45	316.27	15/06/2012	5.24	315.80	11/07/2016	5.45	318.08
5.05	319.96	23/08/2012	3.34	313.65	15/06/2012	3.47	316.25	29/06/2012	5.30	315.74	12/09/2016	6.44	317.09
5.48	319.53	17/09/2012	2.79	314.20	29/06/2012	3.50	316.22	25/07/2012	5.45	315.59	30/11/2016	7.27	316.26
5.64	319.37	23/09/2012	3.21	313.78	25/07/2012	3.68	316.04	23/08/2012	5.54	315.50	17/06/2017	3.15	320.38
6.02	318.99	11/10/2012	10.98	306.01	23/08/2012	3.71	316.01	17/09/2012	5.78	315.26	10/08/2017	3.37	320.16
6.09	318.92	11/12/2012	4.14	312.85	17/09/2012	3.97	315.75	23/09/2012	5.71	315.33	30/09/2017	3.52	320.01
7.14	317.87	8/01/2013	3.01	313.98	23/09/2012	3.80	315.92	11/10/2012	5.57	315.47	30/10/2017	3.19	320.34
6.74	318.27	28/02/2013	3.33	313.66	11/10/2012	4.74	314.98	11/12/2012	5.90	315.14	30/11/2017	3.15	320.38
6.28	318.73	9/03/2013	3.54	313.45	11/12/2012	3.96	315.76	8/01/2013	5.64	315.40	31/12/2017	3.33	320.20
6.05	318.96	8/04/2013	4.83	312.16	8/01/2013	3.70	316.02	28/02/2013	5.35	315.69	27/01/2018	3.51	320.02
5.85	319.16	2/05/2013	4.50	312.49	28/02/2013	3.57	316.15	9/03/2013	3.29	317.75	22/02/2018	3.12	320.41
6.01	319.00	14/06/2013	3.20	313.79	9/03/2013	3.45	316.27	8/04/2013	5.37	315.67	20/03/2018	3.51	320.02
6.47	318.54	17/07/2013	3.25	313.74	8/04/2013	3.62	316.10	2/05/2013	5.89	315.15	25/04/2018	3.86	319.67
7.11	317.90	24/08/2013	3.16	313.83	2/05/2013	4.00	315.72	14/06/2013	6.11	314.93	22/05/2018	4.24	319.29
7.38	317.63	11/09/2013	3.98	313.01	14/06/2013	4.14	315.58	17/07/2013	6.28	314.76	16/06/2018	4.32	319.21
8.03	316.98	7/10/2013	15.91	301.08	17/07/2013	4.15	315.57	24/08/2013	12.08	308.96	13/07/2018	4.72	318.81
4.84	320.17	11/11/2013	16.35	300.64	24/08/2013	8.39	311.33	11/09/2013	13.01	308.03	15/08/2018	4.88	318.65
8.84	316.17	18/12/2013	4.37	312.62	11/09/2013	9.31	310.41	7/10/2013	13.46	307.58	19/09/2018	5.10	318.43
9.40	315.61	6/01/2014	4.70	312.29	7/10/2013	6.52	313.20	11/11/2013	13.93	307.11	22/10/2018	5.31	318.22
10.63	314.38	2/02/2014	2.83	314.16	11/11/2013	10.46	309.26	18/12/2013	13.10	307.94	16/11/2018	5.76	317.77
9.97	315.04	9/03/2014	2.81	314.18	18/12/2013	9.04	310.68	6/01/2014	7.96	313.08	14/12/2018	5.36	318.17
8.04	316.97	24/04/2014	2.59	314.40	6/01/2014	5.95	313.77	2/02/2014	6.70	314.34	22/10/2019	7.29	316.24
4.58	320.43	5/05/2014	3.43	313.56	2/02/2014	5.09	314.63	9/03/2014	4.71	316.33	27/12/2019	7.89	315.64
5.24	319.77	9/06/2014	2.77	314.22	9/03/2014	2.89	316.83	24/04/2014	5.25	315.79	25/01/2020	4.85	318.68
5.66	319.35	1/07/2014	2.86	314.13	24/04/2014	3.41	316.31	5/05/2014	3.46	317.58	29/02/2020	3.93	319.60
5.43	319.58	1/07/2014	2.86	314.13	5/05/2014	3.47	316.25	9/06/2014	7.69	313.35	30/03/2020	4.17	319.36
5.60	319.41	1/08/2014	2.82	314.17	9/06/2014	4.32	315.40	1/07/2014	5.44	315.60	20/10/2020	7.77	315.76
5.60	319.41	29/09/2014	14.29	302.70	1/07/2014	3.61	316.11	1/07/2014	5.44	315.60	20/10/2021	6.69	316.84
5.89	319.12	31/10/2014	5.53	311.46	1/07/2014	3.61	316.11	1/08/2014	5.75	315.29	19/10/2022	6.41	317.12
6.83	318.18	24/11/2014	16.39	300.60	1/08/2014	4.51	315.21	29/09/2014	10.85	310.19	25/10/2023	3.25	320.28
7.62	317.39	12/12/2014	5.19	311.80	29/09/2014	7.08	312.64	31/10/2014	8.47	312.57	5/10/2024	1.58	321.95
8.06	316.95	26/01/2015	5.39	311.60	31/10/2014	6.56	313.16	24/11/2014	13.31	307.73			
8.37	316.64	25/02/2015	13.95	303.04	24/11/2014	9.53	310.19	12/12/2014	12.71	308.33			
6.72	318.29	17/03/2015	13.42	303.57	12/12/2014	7.03	312.69	26/01/2015	7.20	313.84			
6.49	318.52	4/04/2015	3.40	313.59	26/01/2015	4.80	314.92	8/03/2016	11.29	309.75			
6.58	318.43	18/05/2015	15.51	301.48	26/01/2015	3.93	315.79	26/03/2016	9.18	311.86			
6.59	318.42	10/06/2015	6.48	310.51	25/02/2015	5.22	314.50	21/04/2016	12.16	308.88			
7.06	317.95	18/07/2015	5.04	311.95	17/03/2015	4.57	315.15	17/05/2016	12.75	308.29			
7.43	317.58	15/08/2015	5.96	311.03	4/04/2015	3.09	316.63	16/06/2016	7.04	314.00			
8.20	316.81	27/09/2015	6.74	310.25	18/05/2015	4.09	315.63	11/07/2016	6.96	314.08			
9.82	315.19	31/10/2015	16.86	300.13	10/06/2015	7.18	312.54	12/09/2016	7.04	314.00			
9.55	315.46	30/11/2015	19.52	297.47	18/07/2015	8.56	311.16	30/11/2016	7.30	313.74			
10.31	314.70	17/12/2015	16.91	300.08	15/08/2015	7.40	312.32	21/12/2016	5.58	315.46			
10.98	314.03	26/12/2015	5.98	311.01	27/09/2015	11.25	308.47	30/01/2017	3.36	317.68			
11.09	313.92	31/01/2016	4.91	312.08	31/10/2015	12.80	306.92	27/03/2017	3.01	318.03			
11.19	313.82	8/03/2016	16.27	300.72	30/11/2015	13.97	305.75	24/05/2017	3.86	317.18			
9.53	315.48	26/03/2016	3.80	313.19	17/12/2015	12.59	307.13	17/06/2017	3.97	317.07			
9.03	315.98	21/04/2016	16.59	300.40	26/12/2015	9.13	310.59	15/07/2017	4.06	316.98			
8.45	316.56	17/05/2016	5.76	311.23	31/01/2016	9.62	310.10	10/08/2017	4.11	316.93			
9.21	315.80	16/06/2016	5.07	311.92	8/03/2016	7.39	312.33	30/09/2017	4.29	316.75			
9.43	315.58	11/07/2016	4.70	312.29	26/03/2016	4.23	315.49	30/10/2017	4.44	316.60			
9.32	315.69	12/09/2016	4.64	312.35	21/04/2016	8.33	311.39	30/11/2017	4.46	316.58			
9.75	315.26	30/11/2016	4.79	312.20	19/05/2016	9.75	309.97	31/12/2017	4.65	316.39			
11.10	313.91	21/12/2016	3.38	313.61	16/06/2016	4.76	314.96	27/01/2018	4.82	316.22			
10.48	314.53	30/01/2017	2.00	314.99	11/07/2016	4.93	314.79	22/02/2018	4.61	316.43			
9.69	315.32	27/03/2017	1.55	315.44	12/09/2016	4.96	314.76	20/03/2018	4.88	316.16			
4.54	320.47	24/05/2017	2.47	314.52	30/11/2016	5.18	314.54	25/04/2018	5.14	315.90			
1.49	323.52	17/06/2017	2.63	314.36	21/12/2016	3.54	316.18	22/05/2018	5.28	315.76			
2.08	322.93	15/07/2017	2.78	314.21	30/01/2017	1.58	318.14	16/06/2018	5.34	315.70			
2.83	322.18	10/08/2017	2.89	314.10	27/03/2017	0.40	319.32	13/07/2018	5.52	315.52			
3.34	321.67	30/09/2017	3.10	313.89	24/05/2017	2.06	317.66	15/08/2018	5.70	315.34			
3.61	321.40	30/10/2017	2.28	314.71	17/06/2017	2.18	317.54	19/09/2018	5.89	315.15			
4.02	320.99	30/11/2017	2.22	314.77	15/07/2017	2.27	317.45	22/10/2018	6.14	314.90			
5.37	319.64	31/12/2017	2.30	314.69	10/08/2017	2.32	317.40	16/11/2018	7.20	313.84			
4.26	320.75	27/01/2018	2.32	314.67	30/09/2017	2.48	317.24	14/12/2018	7.15	313.89			
4.54	320.47	22/02/2018	2.22	314.77	30/10/2017	2.60	317.12	4/02/2019	5.99	315.05			
4.88	320.13	20/03/2018	2.32	314.67	30/11/2017	2.59	317.13	3/03/2019	6.18	314.86			
5.37	319.64	25/04/2018	2.46	314.53	31/12/2017	2.75	316.97	30/03/2019	6.40	314.64			
6.18	318.83	22/05/2018	2.49	314.50	27/01/2018	2.87	316.85	28/04/2019	14.51	306.53			
6.09	318.92	16/06/2018	2.51	314.48	22/02/2018	2.68	317.04	31/07/2019	15.41	305.63			

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB04 mbrp	SMPB04 mAHD	SMPB05	SMPB05 mbrp	SMPB05 mAHD	SMPB06	SMPB06 mbrp	SMPB06 mAHD	SMPB07	SMPB07 mbrp	SMPB07 mAHD	SMPB08	SMPB08 mbrp	SMPB08 mAHD
	325.01			**316.99**			**319.72**			**321.04**			**323.53**
5.94	319.07	13/07/2018	2.54	314.45	20/03/2018	2.76	316.96	29/08/2019	15.51	305.53			
6.29	318.72	15/08/2018	2.61	314.38	25/04/2018	3.13	316.59	13/09/2019	16.48	304.56			
6.79	318.22	19/09/2018	2.73	314.26	22/05/2018	3.26	316.46	25/09/2019	15.46	305.58			
6.81	318.20	22/10/2018	2.88	314.11	16/06/2018	3.33	316.39	13/10/2019	16.85	304.19			
7.09	317.92	16/11/2018	3.88	313.11	13/07/2018	3.46	316.26	23/10/2019	16.66	304.38			
7.79	317.22	14/12/2018	7.79	309.20	15/08/2018	3.53	316.19	8/11/2019	16.41	304.63			
7.92	317.09	4/02/2019	3.30	313.69	19/09/2018	3.87	315.85	25/01/2020	16.32	304.72			
9.22	315.79	3/03/2019	3.47	313.52	22/10/2018	4.03	315.69	8/02/2020	10.49	310.55			
9.10	315.91	30/03/2019	3.33	313.66	16/11/2018	5.06	314.66	5/03/2020	6.62	314.42			
7.61	317.40	28/04/2019	4.98	312.01	14/12/2018	5.01	314.71	30/03/2020	8.19	312.85			
7.73	317.28	31/07/2019	12.11	304.88	4/02/2019	4.11	315.61	30/04/2020	7.13	313.91			
8.84	316.17	29/08/2019	15.74	301.25	3/03/2019	4.18	315.54	26/05/2020	7.36	313.68			
9.60	315.41	13/09/2019	18.48	298.51	30/03/2019	4.39	315.33	25/06/2020	7.22	313.82			
11.70	313.31	25/09/2019	15.86	301.13	28/04/2019	14.59	305.13	25/08/2020	7.57	313.47			
11.58	313.43	13/10/2019	7.48	309.51	31/07/2019	11.47	308.25	24/09/2020	7.79	313.25			
11.92	313.09	23/10/2019	7.38	309.61	29/08/2019	12.64	307.08	20/10/2020	7.99	313.05			
11.79	313.22	8/11/2019	7.00	309.99	13/09/2019	9.17	310.55	27/11/2020	8.40	312.64			
11.37	313.64	27/12/2019	8.39	308.60	25/09/2019	9.05	310.67	12/01/2021	6.61	314.43			
12.43	312.58	25/01/2020	7.02	309.97	13/10/2019	15.33	304.39	27/02/2021	4.69	316.35			
12.72	312.29	8/02/2020	15.22	301.77	23/10/2019	10.62	309.10	31/03/2021	4.63	316.41			
13.92	311.09	29/02/2020	3.55	313.44	8/11/2019	9.98	309.74	25/04/2021	4.93	316.11			
13.57	311.44	5/03/2020	3.61	313.38	27/12/2019	13.42	306.30	24/05/2021	5.20	315.84			
12.52	312.49	30/03/2020	3.70	313.29	25/01/2020	12.12	307.60	27/06/2021	5.49	315.55			
9.89	315.12	30/04/2020	3.82	313.17	8/02/2020	15.34	304.38	24/07/2021	5.68	315.36			
9.52	315.49	26/05/2020	3.93	313.06	29/02/2020	5.45	314.27	20/08/2021	5.96	315.08			
9.70	315.31	25/06/2020	4.05	312.94	5/03/2020	4.60	315.12	20/09/2021	6.26	314.78			
9.09	315.92	25/08/2020	4.34	312.65	30/03/2020	5.62	314.10	20/10/2021	13.55	307.49			
9.33	315.68	24/09/2020	6.05	310.94	30/04/2020	6.03	313.69	13/11/2021	15.88	305.16			
9.86	315.15	20/10/2020	5.03	311.96	26/05/2020	5.57	314.15	10/12/2021	15.97	305.07			
10.10	314.91	27/11/2020	4.77	312.22	25/06/2020	5.12	314.60	17/01/2022	16.04	305.00			
10.46	314.55	12/01/2021	3.22	313.77	25/08/2020	5.44	314.28	4/02/2022	7.95	313.09			
10.77	314.24	27/02/2021	2.82	314.17	24/09/2020	5.68	314.04	12/03/2022	7.31	313.73			
10.05	314.96	31/03/2021	3.05	313.94	20/10/2020	5.87	313.85	6/04/2022	7.53	313.51			
6.98	318.03	25/04/2021	2.70	314.29	27/11/2020	6.27	313.45	2/05/2022	7.87	313.17			
5.89	319.12	24/05/2021	2.55	314.44	12/01/2021	4.48	315.24	31/05/2022	10.42	310.62			
6.00	319.01	27/06/2021	2.59	314.40	27/02/2021	2.75	316.97	26/06/2022	13.03	308.01			
6.38	318.63	24/07/2021	15.26	301.73	31/03/2021	2.76	316.96	28/07/2022	12.82	308.22			
6.90	318.11	20/08/2021	3.16	313.83	25/04/2021	3.02	316.70	19/08/2022	15.14	305.90			
7.27	317.74	20/09/2021	3.59	313.40	24/05/2021	3.24	316.48	27/09/2022	16.63	304.41			
7.76	317.25	20/10/2021	4.47	312.52	27/06/2021	3.60	316.12	19/10/2022	16.14	304.90			
8.11	316.90	13/11/2021	4.38	312.61	24/07/2021	3.67	316.05	18/11/2022	15.82	305.22			
9.13	315.88	10/12/2021	16.08	300.91	20/08/2021	3.88	315.84	11/12/2022	11.14	309.90			
9.62	315.39	17/01/2022	16.28	300.71	20/09/2021	4.14	315.58	12/01/2023	4.64	316.40			
10.98	314.03	4/02/2022	16.32	300.67	20/10/2021	14.99	304.73	3/02/2023	3.95	317.09			
11.18	313.83	12/03/2022	15.88	301.11	13/11/2021	8.76	310.96	6/03/2023	5.68	315.36			
7.57	317.44	6/04/2022	15.51	301.48	10/12/2021	15.26	304.46	3/04/2023	8.35	312.69			
5.39	319.62	2/05/2022	15.81	301.18	17/01/2022	9.97	309.75	2/05/2023	6.00	315.04			
5.48	319.53	31/05/2022	3.74	313.25	4/02/2022	3.73	315.99	4/06/2023	8.31	312.73			
5.49	319.52	26/06/2022	4.7	312.29	12/03/2022	3.21	316.51	24/06/2023	6.63	314.41			
6.58	318.43	28/07/2022	15.46	301.53	6/04/2022	3.42	316.30	21/07/2023	5.89	315.15			
7.13	317.88	19/08/2022	6.55	310.44	2/05/2022	3.62	316.10	30/08/2023	4.41	316.63			
7.73	317.28	27/09/2022	17.16	299.83	31/05/2022	10.84	308.88	26/09/2023	4.52	316.52			
8.63	316.38	19/10/2022	16.22	300.77	26/06/2022	14.22	305.50	23/10/2023	4.87	316.17			
9.74	315.27	18/11/2022	17.13	299.86	28/07/2022	13.55	306.17	22/11/2023	4.29	316.75			
10.06	314.95	11/12/2022	15.87	301.12	19/08/2022	15.51	304.21	14/12/2023	4.78	316.26			
10.72	314.29	12/01/2023	15.95	301.04	27/09/2022	15.47	304.25	7/01/2024	4.62	316.42			
10.05	314.96	3/02/2023	2.17	314.82	19/10/2022	15.36	304.36	22/03/2024	3.30	317.74			
6.42	318.59	6/03/2023	18.12	298.87	23/11/2022	9.88	309.84	16/04/2024	3.53	317.51			
4.62	320.39	3/04/2023	4.27	312.72	11/12/2022	5.99	313.73	15/05/2024	3.70	317.34			
2.88	322.13	2/05/2023	5.54	311.45	12/01/2023	2.80	316.92	16/06/2024	3.88	317.16			
4.54	320.47	4/06/2023	4.34	312.65	3/02/2023	2.25	317.47	12/07/2024	3.99	317.05			
2.62	322.39	24/06/2023	3.54	313.45	6/03/2023	1.86	317.86	30/08/2024	4.16	316.88			
3.14	321.87	21/07/2023	5.55	311.44	3/04/2023	8.06	311.66	27/09/2024	4.18	316.86			
4.05	320.96	30/08/2023	19.66	297.33	2/05/2023	4.20	315.52	5/10/2024	4.23	316.81			
NULL	NULL	25/09/2023	3.64	313.35	4/06/2023	3.01	316.71	30/11/2024	4.20	316.84			
5.47	319.54	23/10/2023	2.47	314.52	24/06/2023	2.95	316.77	28/12/2024	4.23	316.81			
5.43	319.58	22/11/2023	2.30	314.69	21/07/2023	4.69	315.03	28/01/2025	4.15	316.89			
2.5	322.51	14/12/2023	2.37	314.62	30/08/2023	3.27	316.45	28/02/2025	3.85	317.19			
2	323.01	7/01/2024	3.61	313.38	25/09/2023	2.77	316.95	31/03/2025	3.81	317.23			
1.74	323.27	22/03/2024	1.11	315.88	23/10/2023	2.89	316.83	24/04/2025	4.10	316.94			
2.51	322.50	16/04/2024	1.22	315.77	22/11/2023	2.7	317.02	21/05/2025	4.28	316.76			
2.74	322.27	15/05/2024	1.41	315.58	14/12/2023	2.8	316.92	22/06/2025	3.92	317.12			
3.49	321.52	16/06/2024	1.67	315.32	7/01/2024	2.62	317.10						
4.05	320.96	12/07/2024	1.84	315.15	22/03/2024	1.57	318.15						
4.14	320.87	30/08/2024	2.09	314.90	16/04/2024	1.73	317.99						
4.23	320.78	27/09/2024	2.11	314.88	15/05/2024	1.92	317.80						
4.11	320.90	5/10/2024	2.17	314.82	16/06/2024	2.09	317.63						
4.09	320.92	30/11/2024	2.12	314.87	12/07/2024	1.81	317.91						
2.9	322.11	28/12/2024	2.09	314.90	30/08/2024	2.06	317.66						
2.93	322.08	28/01/2025	2.07	314.92	27/09/2024	2.21	317.51						
3.52	321.49	28/02/2025	1.82	315.17	5/10/2024	2.44	317.28						
3.98	321.03	31/03/2025	1.83	315.16	30/11/2024	2.38	317.34						
4.48	320.53	24/04/2025	2.04	314.95	28/12/2024	2.4	317.32						
		21/05/2025	2.19	314.80	28/01/2025	2.33	317.39						
		22/06/2025	2.19	314.80	28/02/2025	2.08	317.64						
					31/03/2025	2.08	317.64						
					24/04/2025	2.31	317.41						
					21/05/2025	2.47	317.25						
					22/06/2025	2.57	317.15						

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB04 mbrp	SMPB04 mAHD	SMPB05	SMPB05 mbrp	SMPB05 mAHD	SMPB06	SMPB06 mbrp	SMPB06 mAHD	SMPB07	SMPB07 mbrp	SMPB07 mAHD	SMPB08	SMPB08 mbrp	SMPB08 mAHD
	325.01			316.99			319.72			321.04			323.53

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB09	SMPB09 mbrp	SMPB09 mAHD	SMPB10	SMPB10 mbrp	SMPB10 mAHD	SMPB11	SMPB11 mbrp	SMPB11 mAHD	SMPB12	SMPB12 mbrp	SMPB12 mAHD	SMWB10	SMWB10 mbrp	SMWB10 mAHD
		329.54			**309.07**			**307.70**			**333.78**			**324.87**
4/10/2004	1.80	327.74	10/11/2004	4.00	305.07	4/10/2004	4.00	303.70	26/01/2015	9.99	323.79	6/06/2002	6.50	318.37
10/11/2004	1.50	328.04	19/12/2004	3.70	305.37	10/11/2004	4.00	303.70	25/02/2015	10.53	323.25	5/05/2003	7.45	317.42
19/12/2004	2.30	327.24	13/01/2005	3.30	305.77	19/12/2004	3.90	303.80	17/03/2015	13.55	320.23	11/05/2003	7.55	317.32
13/01/2005	2.00	327.54	18/02/2005	3.40	305.67	13/01/2005	3.50	304.20	4/04/2015	11.47	322.31	18/05/2003	7.69	317.18
18/02/2005	2.20	327.34	12/03/2005	3.50	305.57	18/02/2005	3.70	304.00	18/05/2015	13.36	320.42	25/05/2003	7.82	317.05
12/03/2005	2.60	326.94	16/04/2005	3.70	305.37	12/03/2005	3.80	303.90	10/06/2015	13.36	320.42	1/06/2003	7.90	316.97
16/04/2005	2.80	326.74	13/05/2005	4.10	304.97	16/04/2005	3.90	303.80	19/07/2015	13.44	320.34	15/06/2003	8.07	316.80
13/05/2005	3.30	326.24	21/06/2005	4.40	304.67	13/05/2005	4.20	303.50	15/08/2015	13.45	320.33	22/06/2003	8.15	316.72
21/06/2005	3.80	325.74	16/07/2005	4.70	304.37	21/06/2005	4.60	303.10	27/09/2015	13.36	320.42	14/07/2003	8.35	316.52
16/07/2005	4.00	325.54	20/08/2005	4.95	304.12	16/07/2005	11.00	296.70	31/10/2015	13.43	320.35	20/07/2003	8.39	316.48
20/08/2005	4.30	325.24	19/09/2005	5.60	303.47	20/08/2005	4.90	302.80	30/11/2015	13.91	319.87	30/07/2003	8.48	316.39
19/09/2005	5.10	324.44	22/10/2005	5.20	303.87	19/09/2005	6.20	301.50	26/12/2015	12.61	321.17	17/08/2003	8.62	316.25
22/10/2005	5.00	324.54	30/11/2005	13.30	295.77	22/10/2005	5.50	302.20	31/01/2016	3.45	330.33	9/09/2003	8.84	316.03
30/11/2005	4.60	324.94	22/12/2005	6.50	302.57	30/11/2005	5.60	302.10	8/03/2016	12.52	321.26	15/09/2003	8.88	315.99
22/12/2005	6.30	323.24	12/01/2006	9.80	299.27	22/12/2005	4.50	303.20	26/03/2016	4.16	329.62	21/09/2003	8.95	315.92
12/01/2006	3.80	325.74	20/02/2006	2.40	306.67	12/01/2006	3.80	303.90	25/04/2016	12.51	321.27	9/11/2003	9.33	315.54
20/02/2006	1.50	328.04	7/03/2006	2.60	306.47	20/02/2006	2.80	304.90	18/05/2016	12.36	321.42	3/12/2003	9.25	315.62
7/03/2006	0.70	328.84	5/04/2006	2.20	306.87	7/03/2006	3.00	304.70	16/06/2016	2.24	331.54	24/01/2004	6.35	318.52
5/04/2006	0.60	328.94	17/05/2006	2.90	306.17	5/04/2006	2.80	304.90	11/07/2016	2.03	331.75	12/03/2004	5.65	319.22
17/05/2006	1.10	328.44	7/06/2006	3.00	306.07	17/05/2006	3.20	304.50	12/09/2016	2.03	331.75	16/05/2004	6.38	318.49
7/06/2006	1.50	328.04	21/07/2006	3.20	305.87	7/06/2006	3.40	304.30	31/10/2016	2.73	331.05	24/06/2004	6.30	318.57
21/07/2006	1.70	327.84	12/08/2006	2.80	306.27	21/07/2006	3.70	304.00	30/11/2016	2.76	331.02	31/08/2004	6.60	318.27
12/08/2006	1.80	327.74	15/09/2006	8.90	300.17	12/08/2006	3.40	304.30	21/12/2016	1.74	332.04	4/10/2004	7.15	317.72
15/09/2006	1.90	327.64	12/10/2006	4.10	304.97	15/09/2006	3.70	304.00	30/01/2017	0.50	333.28	10/11/2004	7.30	317.57
12/10/2006	2.00	327.54	20/11/2006	10.30	298.77	12/10/2006	3.90	303.80	21/04/2017	Inundated		19/12/2004	8.10	316.77
20/11/2006	2.60	326.94	14/12/2006	8.90	300.17	20/11/2006	3.80	303.90	15/07/2017	Inundated		13/01/2005	8.20	316.67
14/12/2006	2.90	326.64	20/01/2007	4.27	304.80	14/12/2006	4.40	303.30	30/09/2017	Inundated		18/02/2005	9.00	315.87
20/01/2007	1.98	327.56	16/02/2007	4.24	304.83	20/01/2007	3.54	304.16	13/07/2018	1.65	332.13	12/03/2005	9.70	315.17
16/02/2007	2.40	327.14	30/03/2007	2.32	306.75	16/02/2007	3.59	304.11	15/08/2018	1.70	332.08	16/04/2005	10.10	314.77
30/03/2007	1.64	327.90	30/04/2007	10.56	298.51	30/03/2007	2.19	305.51	19/09/2018	1.60	332.18	13/05/2005	10.80	314.07
30/04/2007	2.26	327.28	27/05/2007	3.66	305.41	30/04/2007	3.45	304.25	22/10/2018	1.64	332.14	21/06/2005	10.50	314.37
27/05/2007	2.00	327.54	30/06/2007	3.55	305.52	27/05/2007	3.55	304.15	16/11/2018	1.88	331.90	16/07/2005	10.70	314.17
30/06/2007	1.95	327.59	21/07/2007	3.61	305.46	30/06/2007	3.50	304.20	4/02/2019	12.59	321.19	20/08/2005	11.50	313.37
21/07/2007	2.15	327.39	30/08/2007	3.72	305.35	21/07/2007	3.62	304.08	3/03/2019	12.40	321.38	19/09/2005	12.10	312.77
30/08/2007	2.85	326.69	21/09/2007	5.76	303.31	30/08/2007	3.77	303.93	30/03/2019	13.00	320.78	22/10/2005	13.00	311.87
21/09/2007	3.22	326.32	16/10/2007	12.76	296.31	21/09/2007	4.14	303.56	28/04/2019	12.98	320.80	30/11/2005	12.40	312.47
16/10/2007	3.62	325.92	7/11/2007	11.54	297.53	16/10/2007	4.72	302.98	31/07/2019	12.47	321.31	12/01/2006	9.60	315.27
7/11/2007	3.98	325.56	15/12/2007	4.13	304.94	7/11/2007	4.25	303.45	29/08/2019	12.52	321.26	20/02/2006	6.50	318.37
15/12/2007	3.61	325.93	2/01/2008	11.54	297.53	15/12/2007	3.89	303.81	25/09/2019	12.52	321.26	7/03/2006	5.10	319.77
2/01/2008	3.47	326.07	3/02/2008	8.96	300.11	2/01/2008	3.79	303.91	22/10/2019	12.52	321.26	5/04/2006	5.30	319.57
3/02/2008	3.10	326.44	3/03/2008	2.97	306.10	3/02/2008	3.45	304.25	27/12/2019	3.95	329.83	17/05/2006	6.00	318.87
3/03/2008	1.80	327.74	9/04/2008	8.90	300.17	3/03/2008	3.00	304.70	25/01/2020	9.55	324.23	7/06/2006	6.60	318.27
9/04/2008	2.15	327.39	10/05/2008	10.12	298.95	9/04/2008	3.34	304.36	29/02/2020	1.64	332.14	21/07/2006	6.60	318.27
10/05/2008	2.90	326.64	4/06/2008	9.46	299.61	10/05/2008	3.70	304.00	30/03/2020	12.50	321.28	12/08/2006	6.70	318.17
4/06/2008	3.06	326.48	14/07/2008	10.30	298.77	4/06/2008	4.04	303.66	30/04/2020	1.75	332.03	15/09/2006	3.10	321.77
14/07/2008	3.79	325.75	2/08/2008	13.06	296.01	14/07/2008	4.46	303.24	26/05/2020	1.52	332.26	12/10/2006	7.50	317.37
2/08/2008	4.01	325.53	19/09/2008	12.84	296.23	2/08/2008	4.66	303.04	25/06/2020	1.62	332.16	20/11/2006	8.30	316.57
19/09/2008	4.51	325.03	18/10/2008	12.82	296.25	19/09/2008	5.20	302.50	25/08/2020	2.17	331.61	14/12/2006	9.00	315.87
18/10/2008	4.80	324.74	16/11/2008	6.40	302.67	18/10/2008	5.65	302.05	24/09/2020	2.03	331.75	20/01/2007	7.63	317.24
16/11/2008	5.13	324.41	12/12/2008	5.41	303.66	16/11/2008	6.21	301.49	20/10/2020	2.63	331.15	16/02/2007	7.89	316.98
12/12/2008	4.20	325.34	9/01/2009	4.54	304.53	12/12/2008	4.89	302.81	27/11/2020	13.05	320.73	30/03/2007	6.35	318.52
9/01/2009	4.18	325.36	7/02/2009	1.87	307.20	9/01/2009	4.16	303.54	12/01/2021	2.50	331.28	30/04/2007	7.23	317.64
7/02/2009	0.44	329.10	7/03/2009	2.49	306.58	7/02/2009	2.30	305.40	27/02/2021	1.09	332.69	27/05/2007	7.50	317.37
7/03/2009	0.88	328.66	2/04/2009	3.02	306.05	7/03/2009	2.81	304.89	31/03/2021	-0.50	334.28	30/06/2007	7.34	317.53
2/04/2009	1.41	328.13	3/05/2009	3.24	305.83	2/04/2009	3.09	304.61	25/04/2021	-0.45	334.23	21/07/2007	7.54	317.33
3/05/2009	1.73	327.81	1/06/2009	3.36	305.71	3/05/2009	3.33	304.37	24/05/2021	-0.45	334.23	30/08/2007	8.04	316.83
1/06/2009	1.73	327.81	1/07/2009	3.47	305.60	1/06/2009	3.35	304.35	27/06/2021	-0.45	334.23	21/09/2007	8.35	316.52
1/07/2009	1.93	327.61	1/07/2009	3.47	305.60	1/07/2009	4.30	303.40	24/07/2021	-0.22	334.00	16/10/2007	8.68	316.19
1/07/2009	1.93	327.61	26/08/2009	3.83	305.24	1/07/2009	4.30	303.40	20/08/2021	0.07	333.71	7/11/2007	8.65	316.22
26/08/2009	2.06	327.48	26/09/2009	4.26	304.81	26/08/2009	3.06	304.64	20/09/2021	-0.16	333.94	15/12/2007	8.17	316.70
26/09/2009	2.58	326.96	19/10/2009	6.08	302.99	26/09/2009	3.97	303.73	20/10/2021	12.37	321.414	2/01/2008	8.07	316.80
19/10/2009	2.74	326.80	9/11/2009	4.44	304.63	19/10/2009	4.22	303.48	13/11/2021	12.63	321.15	3/02/2008	7.94	316.93
9/11/2009	3.26	326.28	8/12/2009	12.17	296.90	9/11/2009	4.10	303.60	10/12/2021	12.93	320.85	3/03/2008	6.81	318.06
8/12/2009	3.61	325.93	17/01/2010	5.10	303.97	8/12/2009	4.61	303.09	17/01/2022	3.03	330.75	9/04/2008	7.44	317.43
17/01/2010	2.82	326.72	9/02/2010	3.72	305.35	17/01/2010	4.04	303.66	4/02/2022	0.08	333.70	10/05/2008	8.10	316.77
9/02/2010	2.05	327.49	7/03/2010	3.67	305.40	9/02/2010	3.33	304.37	13/03/2022	12.64	321.14	4/06/2008	6.50	318.37
7/03/2010	2.23	327.31	3/04/2010	3.87	305.20	7/03/2010	3.40	304.30	7/04/2022	0.46	333.32	14/07/2008	8.80	316.07
3/04/2010	2.50	327.04	1/05/2010	3.90	305.17	3/04/2010	3.59	304.11	3/05/2022	0.89	332.89	2/08/2008	9.63	315.24
1/05/2010	3.11	326.43	3/06/2010	9.32	299.75	1/05/2010	3.61	304.09	1/06/2022	12.68	321.10	19/09/2008	10.56	314.31
3/06/2010	3.55	325.99	1/07/2010	4.67	304.40	3/06/2010	3.49	304.21	27/06/2022	1.89	331.89	18/10/2008	11.41	313.46
1/07/2010	3.91	325.63	1/07/2010	4.67	304.40	1/07/2010	4.41	303.29	28/07/2022	12.94	320.84	16/11/2008	12.14	312.73
1/07/2010	3.91	325.63	21/08/2010	4.92	304.15	1/07/2010	4.41	303.29	20/08/2022	13.05	320.73	12/12/2008	12.06	312.81
21/08/2010	4.48	325.06	20/09/2010	5.17	303.90	21/08/2010	4.56	303.14	28/09/2022	12.77	321.01	9/01/2009	9.38	315.49
20/09/2010	4.83	324.71	16/10/2010	4.54	304.53	20/09/2010	4.86	302.84	25/10/2022	12.64	321.14	7/02/2009	5.08	319.79
16/10/2010	4.58	324.96	13/11/2010	4.34	304.73	16/10/2010	4.46	303.24	18/11/2022	3.38	330.40	7/03/2009	8.50	316.37
13/11/2010	4.48	325.06	11/12/2010	4.27	304.80	13/11/2010	3.91	303.79	11/12/2022	14.79	318.99	2/04/2009	6.55	318.32
11/12/2010	5.02	324.52	13/01/2011	4.21	304.86	11/12/2010	3.89	303.81	11/01/2023	1.06	332.72	3/05/2009	6.91	317.96
13/01/2011	3.79	325.75	4/02/2011	3.11	305.96	13/01/2011	3.74	303.96	4/02/2023	4.06	329.72	1/06/2009	6.87	318.00
4/02/2011	3.22	326.32	10/03/2011	1.95	307.12	4/02/2011	2.94	304.76	7/03/2023	5.04	328.74	1/07/2009	7.10	317.77
10/03/2011	0.49	329.05	27/04/2011	2.10	306.97	10/03/2011	2.28	305.42	15/12/2023	0.46	333.32	1/07/2009	7.10	317.77
6/06/2011	1.74	327.80	20/05/2011	2.50	306.57	4/02/2012	3.17	304.53	8/01/2024	10.96	322.82	26/08/2009	7.63	317.24
4/02/2012	1.29	328.25	6/06/2011	2.78	306.29	8/01/2013	3.36	304.34				26/09/2009	8.09	316.78
4/04/2012	2.12	327.42	9/06/2011	2.97	306.10	8/04/2013	3.39	304.31				19/10/2009	8.62	316.25
26/05/2012	1.78	327.76	5/07/2011	2.81	306.26	2/05/2013	3.58	304.12				9/11/2009	8.79	316.08
25/07/2012	1.88	327.66	18/07/2011	2.98	306.09	14/06/2013	3.79	303.91				8/12/2009	9.11	315.76
23/08/2012	2.27	327.27	23/07/2011	2.96	306.11	17/07/2013	4.01	303.69				17/01/2010	8.45	316.42
17/09/2012	1.96	327.58	30/07/2011	2.95	306.12	24/08/2013	4.17	303.53				9/02/2010	3.98	320.89
11/10/2012	2.35	327.19	1/08/2011	2.96	306.11	11/09/2013	4.31	303.39				7/03/2010	4.25	320.62
11/12/2012	2.19	327.35	11/08/2011	3.03	306.04	7/10/2013	4.45	303.25				3/04/2010	7.88	316.99

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB09	SMPB09 mbrp	SMPB09 mAHD	SMPB10	SMPB10 mbrp	SMPB10 mAHD	SMPB11	SMPB11 mbrp	SMPB11 mAHD	SMPB12	SMPB12 mbrp	SMPB12 mAHD	SMWB10	SMWB10 mbrp	SMWB10 mAHD
		329.54			**309.07**			**307.70**			**333.78**			**324.87**
8/01/2013	1.90	327.64	17/08/2011	3.05	306.02	11/11/2013	4.17	303.53				1/05/2010	8.20	316.67
8/04/2013	2.15	327.39	7/09/2011	3.18	305.89	18/12/2013	3.85	303.85				3/06/2010	9.38	315.49
2/05/2013	3.44	326.10	13/09/2011	4.80	304.27	6/01/2014	3.71	303.99				1/07/2010	9.59	315.28
14/06/2013	3.69	325.85	17/09/2011	3.21	305.86	2/02/2014	3.12	304.58				1/07/2010	9.59	315.28
17/07/2013	4.12	325.42	22/09/2011	3.28	305.79	9/03/2014	2.66	305.04				21/08/2010	10.01	314.86
24/08/2013	4.59	324.95	6/10/2011	3.34	305.73	24/04/2014	3.16	304.54				20/09/2010	10.35	314.52
11/09/2013	4.61	324.93	14/10/2011	3.44	305.63	5/05/2014	3.21	304.49				16/10/2010	10.30	314.57
7/10/2013	4.94	324.60	23/10/2011	3.42	305.65	9/06/2014	3.35	304.35				13/11/2010	9.51	315.36
11/11/2013	5.20	324.34	8/11/2011	3.42	305.65	1/07/2014	3.37	304.33				11/12/2010	10.07	314.80
18/12/2013	5.22	324.32	14/11/2011	3.37	305.70	1/07/2014	3.37	304.33				4/02/2012	6.46	318.41
6/01/2014	2.75	326.79	1/12/2011	3.32	305.75	1/08/2014	3.44	304.26				8/04/2013	7.24	317.63
2/02/2014	1.05	328.49	16/12/2011	3.38	305.69	29/09/2014	3.67	304.03				2/05/2013	7.89	316.98
9/03/2014	1.59	327.95	2/01/2012	3.40	305.67	31/10/2014	4.13	303.57				14/06/2013	8.52	316.35
24/04/2014	1.64	327.90	14/01/2012	3.39	305.68	24/11/2014	4.57	303.13				17/07/2013	8.46	316.41
5/05/2014	1.76	327.78	4/02/2012	3.31	305.76	12/12/2014	4.58	303.12				24/08/2013	9.55	315.32
9/06/2014	1.79	327.75	3/03/2012	2.53	306.54	26/01/2015	2.85	304.85				11/09/2013	10.87	314.00
1/07/2014	1.79	327.75	4/04/2012	2.80	306.27	8/03/2016	3.76	303.94				7/10/2013	11.01	313.86
1/07/2014	1.85	327.69	1/05/2012	3.15	305.92	26/03/2016	3.38	304.32				11/11/2013	11.33	313.54
1/08/2014	2.54	327.00	7/05/2012	3.18	305.89	21/04/2016	4.08	303.62				18/12/2013	10.55	314.32
29/09/2014	3.26	326.28	26/05/2012	3.28	305.79	17/05/2016	3.61	304.09				6/01/2014	9.99	314.88
31/10/2014	3.65	325.89	5/06/2012	3.31	305.76	16/06/2016	3.96	303.74				2/02/2014	8.26	316.61
24/11/2014	3.89	325.65	15/06/2012	3.32	305.75	11/07/2016	4.26	303.44				9/03/2014	5.71	319.16
12/12/2014	1.65	327.89	29/06/2012	2.65	306.42	9/08/2016	4.58	303.12				24/04/2014	6.57	318.30
26/03/2016	2.62	326.92	25/07/2012	3.44	305.63	12/09/2016	5.01	302.69				5/05/2014	6.50	318.37
21/04/2016	3.47	326.07	23/08/2012	3.52	305.55	30/11/2016	4.68	303.02				9/06/2014	6.75	318.12
17/05/2016	3.60	325.94	17/09/2012	3.68	305.39	17/06/2017	3.02	304.68				1/07/2014	6.85	318.02
16/06/2016	4.29	325.25	23/09/2012	3.65	305.42	15/07/2017	3.10	304.60				1/07/2014	6.85	318.02
11/07/2016	4.70	324.84	11/10/2012	3.59	305.48	10/08/2017	3.17	304.53				1/08/2014	7.10	317.77
12/09/2016	5.37	324.17	11/12/2012	4.90	304.17	30/09/2017	3.39	304.31				29/09/2014	8.25	316.62
30/11/2016	6.00	323.54	8/01/2013	3.58	305.49	30/10/2017	2.80	304.90				31/10/2014	9.13	315.74
17/06/2017	1.27	328.27	28/02/2013	3.32	305.75	30/11/2017	2.54	305.16				24/11/2014	9.60	315.27
15/07/2017	1.50	328.04	9/03/2013	3.32	305.75	31/12/2017	2.72	304.98				12/12/2014	10.06	314.81
10/08/2017	1.58	327.96	8/04/2013	5.54	303.53	27/01/2018	2.70	305.00				26/01/2015	7.09	317.78
30/09/2017	1.69	327.85	2/05/2013	4.00	305.07	22/02/2018	2.51	305.19				8/03/2016	9.50	315.37
30/10/2017	1.37	328.17	14/06/2013	4.13	304.94	20/03/2018	2.91	304.79				26/03/2016	8.39	316.48
30/11/2017	1.38	328.16	17/07/2013	4.29	304.78	25/04/2018	3.12	304.58				21/04/2016	9.40	315.47
31/12/2017	1.81	327.73	24/08/2013	4.51	304.56	22/05/2018	3.22	304.48				17/05/2016	10.09	314.78
27/01/2018	1.91	327.63	11/09/2013	4.63	304.44	16/06/2018	3.46	304.24				16/06/2016	10.55	314.32
22/02/2018	1.88	327.66	7/10/2013	4.90	304.17	13/07/2018	3.69	304.01				11/07/2016	10.84	314.03
20/03/2018	2.56	326.98	11/11/2013	5.20	303.87	15/08/2018	4.11	303.59				12/09/2016	11.25	313.62
25/04/2018	3.06	326.48	18/12/2013	4.02	305.05	19/09/2018	4.41	303.29				30/11/2016	12.03	312.84
22/05/2018	3.24	326.30	6/01/2014	4.00	305.07	22/10/2018	4.90	302.80				17/06/2017	6.81	318.06
16/06/2018	3.57	325.97	2/02/2014	2.80	306.27	16/11/2018	6.13	301.57				10/08/2017	6.34	318.53
13/07/2018	4.07	325.47	9/03/2014	2.51	306.56	14/12/2018	5.98	301.72				30/09/2017	6.68	318.19
15/08/2018	4.26	325.28	24/04/2014	2.98	306.09	22/10/2019	6.77	300.93				13/07/2018	9.17	315.70
19/09/2018	4.65	324.89	5/05/2014	3.37	305.70	20/10/2020	5.82	301.88				15/08/2018	9.41	315.46
22/10/2018	4.97	324.57	9/06/2014	3.57	305.50	20/10/2021	5.06	302.64				19/09/2018	9.80	315.07
16/11/2018	5.73	323.81	1/07/2014	3.60	305.47	18/10/2022	5.03	302.67				22/10/2018	10.25	314.62
14/12/2018	5.91	323.63	1/07/2014	3.60	305.47	25/10/2023	2.69	305.01				16/11/2018	10.47	314.40
22/10/2019	6.19	323.35	1/08/2014	3.68	305.39	5/10/2024	2.65	305.05				14/12/2018	10.35	314.52
27/12/2019	6.89	322.65	29/09/2014	3.97	305.10							22/10/2019	34.98	289.89
25/01/2020	5.65	323.89	31/10/2014	4.38	304.69							20/10/2020	13.34	311.53
29/02/2020	2.95	326.59	24/11/2014	4.63	304.44							20/10/2021	12.34	312.53
30/03/2020	3.99	325.55	12/12/2014	4.70	304.37							19/10/2022	13.28	311.59
25/08/2020	6.05	323.49	26/01/2015	2.94	306.13							25/10/2023	7.33	317.54
24/09/2020	6.41	323.13	8/03/2016	10.89	298.18							5/10/2024	6.85	318.02
27/11/2020	6.65	322.89	26/03/2016	2.60	306.47									
27/02/2021	1.68	327.86	21/04/2016	3.04	306.03									
24/05/2021	2.62	326.92	19/05/2016	2.84	306.23									
20/08/2021	4.21	325.33	16/06/2016	3.20	305.87									
4/02/2022	1.09	328.45	11/07/2016	3.49	305.58									
2/05/2022	1.65	327.89	9/08/2016	3.76	305.31									
19/08/2022	2.55	326.99	12/09/2016	4.18	304.89									
18/11/2022	3.96	325.58	30/11/2016	4.23	304.84									
3/02/2023	0.18	329.36	27/03/2017	0.99	308.08									
3/05/2023	0.35	329.19	17/06/2017	1.92	307.15									
21/07/2023	0.93	328.61	15/07/2017	2.05	307.02									
23/10/2023	1.24	328.30	10/08/2017	2.18	306.89									
15/05/2024	0.49	329.05	30/09/2017	2.47	306.60									
30/08/2024	1.1	328.44	30/10/2017	2.68	306.39									
28/02/2025	0.52	329.02	30/11/2017	2.50	306.57									
21/05/2025	1.18	328.36	31/12/2017	2.65	306.42									
			27/01/2018	2.66	306.41									
			22/02/2018	2.47	306.60									
			20/03/2018	2.63	306.44									
			25/04/2018	3.10	305.97									
			22/05/2018	4.27	304.80									
			16/06/2018	4.63	304.44									
			13/07/2018	4.68	304.39									
			15/08/2018	4.53	304.54									
			19/09/2018	4.59	304.48									
			22/10/2018	4.58	304.49									
			16/11/2018	5.55	303.52									
			14/12/2018	6.17	302.90									
			4/02/2019	10.09	298.98									
			3/03/2019	8.85	300.22									
			30/03/2019	13.32	295.75									
			31/07/2019	5.85	303.22									
			29/08/2019	11.95	297.12									

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB09	SMPB09 mbrp	SMPB09 mAHD	SMPB10	SMPB10 mbrp	SMPB10 mAHD	SMPB11	SMPB11 mbrp	SMPB11 mAHD	SMPB12	SMPB12 mbrp	SMPB12 mAHD	SMWB10	SMWB10 mbrp	SMWB10 mAHD
		329.54			**309.07**			**307.70**			**333.78**			**324.87**
			13/09/2019	6.29	302.78									
			25/09/2019	11.80	297.27									
			13/10/2019	12.96	296.11									
			23/10/2019	13.19	295.88									
			8/11/2019	6.92	302.15									
			27/12/2019	7.10	301.97									
			25/01/2020	4.93	304.14									
			8/02/2020	3.34	305.73									
			29/02/2020	3.11	305.96									
			5/03/2020	3.09	305.98									
			30/03/2020	3.35	305.72									
			30/04/2020	3.59	305.48									
			26/05/2020	4.20	304.87									
			25/06/2020	4.62	304.45									
			25/08/2020	5.34	303.73									
			24/09/2020	5.71	303.36									
			20/10/2020	5.99	303.08									
			27/11/2020	6.24	302.83									
			12/01/2021	4.00	305.07									
			27/02/2021	2.00	307.07									
			31/03/2021	2.20	306.87									
			25/04/2021	2.62	306.45									
			24/05/2021	3.07	306.00									
			27/06/2021	3.53	305.54									
			24/07/2021	3.88	305.19									
			20/08/2021	4.25	304.82									
			20/09/2021	4.67	304.40									
			20/10/2021	5.16	303.91									
			13/11/2021	5.07	304.00									
			10/12/2021	4.78	304.29									
			17/01/2022	4.14	304.93									
			4/02/2022	1.53	307.54									
			12/03/2022	2.15	306.92									
			6/04/2022	2.57	306.50									
			2/05/2022	2.88	306.19									
			31/05/2022	3.38	305.69									
			28/06/2022	3.65	305.42									
			28/07/2022	3.95	305.12									
			19/08/2022	4.32	304.75									
			27/09/2022	4.47	304.60									
			18/10/2022	4.96	304.11									
			18/11/2022	4.88	304.19									
			11/12/2022	3.18	305.89									
			22/11/2023	2.67	306.40									
			14/12/2023	7.76	301.31									
			7/01/2024	7.47	301.60									
			22/03/2024	1.75	307.32									
			16/04/2024	1.53	307.54									
			15/05/2024	1.66	307.41									
			16/06/2024	1.86	307.21									
			12/07/2024	2	307.07									
			30/08/2024	2.35	306.72									
			27/09/2024	2.39	306.68									
			5/10/2024	2.65	305.05									
			30/11/2024	2.31	306.76									
			28/01/2025	2.32	306.75									
			31/03/2025	2.05	307.02									
			24/04/2025	2.19	306.88									

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMPB09	SMPB09 mbrp	SMPB09 mAHD	SMPB10	SMPB10 mbrp	SMPB10 mAHD	SMPB11	SMPB11 mbrp	SMPB11 mAHD	SMPB12	SMPB12 mbrp	SMPB12 mAHD	SMWB10	SMWB10 mbrp	SMWB10 mAHD
		329.54			309.07			307.70			333.78			324.87

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB12	SMWB12 mbrp	SMWB12 mAHD	SMWB15	SMWB15 mbrp	SMWB15 mAHD	SMWB16	SMWB16 mbrp	SMWB16 mAHD	SMWB17	SMWB17	SMWB17 mAHD	SMWB18	SMWB18 mbrp	SMWB18 mAHD
		329.83			**327.11**			**319.09**			**307.32**			**307.97**
6/06/2002	3.30	326.53	6/06/2002	5.70	321.41	21/10/2002	4.20	314.89	5/05/2003	2.76	304.56	23/08/2002	3.80	304.17
5/05/2003	5.13	324.70	21/10/2002	8.06	319.05	29/10/2002	4.30	314.79	11/05/2003	2.81	304.51	21/10/2002	4.18	303.79
11/05/2003	5.22	324.61	29/10/2002	8.22	318.89	5/05/2003	5.52	313.57	18/05/2003	2.83	304.49	29/10/2002	4.27	303.70
18/05/2003	5.36	324.47	5/05/2003	8.74	318.37	11/05/2003	5.62	313.47	25/05/2003	2.90	304.42	5/05/2003	4.19	303.78
25/05/2003	5.47	324.36	11/05/2003	8.82	318.29	18/05/2003	5.73	313.36	1/06/2003	2.91	304.41	11/05/2003	4.24	303.73
1/06/2003	5.58	324.25	18/05/2003	8.95	318.16	25/05/2003	5.86	313.23	15/06/2003	3.02	304.30	18/05/2003	4.29	303.68
15/06/2003	5.79	324.04	25/05/2003	9.06	318.05	1/06/2003	5.95	313.14	22/06/2003	3.05	304.27	25/05/2003	4.35	303.62
22/06/2003	5.89	323.94	1/06/2003	9.15	317.96	15/06/2003	6.14	312.95	14/07/2003	3.17	304.15	1/06/2003	4.40	303.57
14/07/2003	6.14	323.69	15/06/2003	9.70	317.41	22/06/2003	6.25	312.84	20/07/2003	3.20	304.12	15/06/2003	4.50	303.47
20/07/2003	6.20	323.63	22/06/2003	9.47	317.64	14/07/2003	6.58	312.51	30/07/2003	3.25	304.07	22/06/2003	4.54	303.43
30/07/2003	6.33	323.50	14/07/2003	9.76	317.35	20/07/2003	6.59	312.50	17/08/2003	3.32	304.00	14/07/2003	4.64	303.33
17/08/2003	6.51	323.32	20/07/2003	9.99	317.12	30/07/2003	6.74	312.35	9/09/2003	3.49	303.83	20/07/2003	4.68	303.29
9/09/2003	6.75	323.08	30/07/2003	9.80	317.31	17/08/2003	6.97	312.12	15/09/2003	3.54	303.78	30/07/2003	4.73	303.24
15/09/2003	6.82	323.01	17/08/2003	9.95	317.16	9/09/2003	8.72	310.37	21/09/2003	3.73	303.59	17/08/2003	4.81	303.16
21/09/2003	6.89	322.94	9/09/2003	10.22	316.89	15/09/2003	8.35	310.74	9/11/2003	4.50	302.82	9/09/2003	4.95	303.02
9/11/2003	7.40	322.43	15/09/2003	10.33	316.78	21/09/2003	10.75	308.34	3/12/2003	3.61	303.71	15/09/2003	10.50	297.47
3/12/2003	7.30	322.53	21/09/2003	10.39	316.72	9/11/2003	10.73	308.36	24/01/2004	2.04	305.28	21/09/2003	11.06	296.91
24/01/2004	4.05	325.78	9/11/2003	10.80	316.31	3/12/2003	8.66	310.43	16/05/2004	2.22	305.10	24/09/2003	8.40	299.57
12/03/2004	1.74	328.09	3/12/2003	11.46	315.65	24/01/2004	7.95	311.14	24/06/2004	2.12	305.20	9/11/2003	6.97	301.00
31/08/2004	3.50	326.33	24/01/2004	8.50	318.61	12/03/2004	2.95	316.14	31/08/2004	2.85	304.47	3/12/2003	5.07	302.90
4/10/2004	3.90	325.93	12/03/2004	5.45	321.66	24/04/2004	4.50	314.59	4/10/2004	3.20	304.12	24/01/2004	3.37	304.60
10/11/2004	4.00	325.83	16/05/2004	6.42	320.69	16/05/2004	6.02	313.07	10/11/2004	3.70	303.62	12/03/2004	2.75	305.22
19/12/2004	5.00	324.83	24/06/2004	6.15	320.96	24/06/2004	5.56	313.53	19/12/2004	2.40	304.92	16/05/2004	3.50	304.47
13/01/2005	5.00	324.83	31/08/2004	7.40	319.71	31/08/2004	6.60	312.49	13/01/2005	2.60	304.72	24/06/2004	3.19	304.78
18/02/2005	5.10	324.73	4/10/2004	7.84	319.27	4/10/2004	4.50	314.59	18/02/2005	2.90	304.42	31/08/2004	9.10	298.87
12/03/2005	8.30	321.53	10/11/2004	10.00	317.11	10/11/2004	4.10	314.99	16/04/2005	3.00	304.32	4/10/2004	9.60	298.37
16/04/2005	5.50	324.33	19/12/2004	15.20	311.91	19/12/2004	5.30	313.79	13/05/2005	3.70	303.62	10/11/2004	4.80	303.17
13/05/2005	5.90	323.93	13/01/2005	16.00	311.11	13/01/2005	4.30	314.79	21/06/2005	3.70	303.62	19/12/2004	4.40	303.57
21/06/2005	6.40	323.43	18/02/2005	18.00	309.11	18/02/2005	4.80	314.29	16/07/2005	4.00	303.32	13/01/2005	4.00	303.97
16/07/2005	6.80	323.03	12/03/2005	17.50	309.61	12/03/2005	5.90	313.19	20/08/2005	5.00	302.32	18/02/2005	4.10	303.87
20/08/2005	7.10	322.73	16/04/2005	18.40	308.71	16/04/2005	6.10	312.99	19/09/2005	4.80	302.52	12/03/2005	4.30	303.67
19/09/2005	7.40	322.43	13/05/2005	13.40	313.71	13/05/2005	6.50	312.59	22/10/2005	5.20	302.12	16/04/2005	9.70	298.27
22/10/2005	7.90	321.93	21/06/2005	12.30	314.81	21/06/2005	5.30	313.79	30/11/2005	4.60	302.72	13/05/2005	10.90	297.07
30/11/2005	7.40	322.43	16/07/2005	12.20	314.91	16/07/2005	7.60	311.49	22/12/2005	4.30	303.02	21/06/2005	5.10	302.87
22/12/2005	7.50	322.33	20/08/2005	14.20	312.91	20/08/2005	7.50	311.59	12/01/2006	3.30	304.02	16/07/2005	11.30	296.67
12/01/2006	7.00	322.83	19/09/2005	14.80	312.31	19/09/2005	8.30	310.79	20/02/2006	2.60	304.72	20/08/2005	12.50	295.47
20/02/2006	3.90	325.93	22/10/2005	14.00	313.11	22/10/2005	8.10	310.99	7/06/2006	2.50	304.82	19/09/2005	14.60	293.37
7/03/2006	2.00	327.83	30/11/2005	15.50	311.61	30/11/2005	7.70	311.39	21/07/2006	2.70	304.62	22/10/2005	14.30	293.67
5/04/2006	2.10	327.73	22/12/2005	13.50	313.61	22/12/2005	7.40	311.69	12/08/2006	2.70	304.62	30/11/2005	13.90	294.07
17/05/2006	3.30	326.53	12/01/2006	12.90	314.21	12/01/2006	6.20	312.89	15/09/2006	3.00	304.32	22/12/2005	5.00	302.97
7/06/2006	1.40	328.43	20/02/2006	8.60	318.51	20/02/2006	3.30	315.79	12/10/2006	3.20	304.12	12/01/2006	4.60	303.37
21/07/2006	3.60	326.23	7/03/2006	7.60	319.51	7/03/2006	3.10	315.99	20/11/2006	3.10	304.22	20/02/2006	9.80	298.17
12/08/2006	5.50	324.33	5/04/2006	6.00	321.11	5/04/2006	2.20	316.89	14/12/2006	3.60	303.72	7/03/2006	9.70	298.27
15/09/2006	4.10	325.73	17/05/2006	6.50	320.61	17/05/2006	3.00	316.09	20/01/2007	2.88	304.44	5/04/2006	9.10	298.87
12/10/2006	4.50	325.33	7/06/2006	7.20	319.91	7/06/2006	2.90	316.19	16/02/2007	2.82	304.50	17/05/2006	9.40	298.57
20/11/2006	4.80	325.03	21/07/2006	7.50	319.61	21/07/2006	3.30	315.79	30/03/2007	1.12	306.20	7/06/2006	9.70	298.27
14/12/2006	5.20	324.63	12/08/2006	7.50	319.61	12/08/2006	3.60	315.49	30/04/2007	2.78	304.54	21/07/2006	12.10	295.87
20/01/2007	5.32	324.51	15/09/2006	7.90	319.21	15/09/2006	3.50	315.59	27/05/2007	2.90	304.42	12/08/2006	10.30	297.67
16/02/2007	5.27	324.56	12/10/2006	8.60	318.51	12/10/2006	3.40	315.69	30/06/2007	2.72	304.60	15/09/2006	10.30	297.67
30/03/2007	4.48	325.35	20/11/2006	9.50	317.61	20/11/2006	3.70	315.39	21/07/2007	2.95	304.37	12/10/2006	10.50	297.47
30/04/2007	4.91	324.92	14/12/2006	10.60	316.51	14/12/2006	3.60	315.49	30/08/2007	3.00	304.32	20/11/2006	3.90	304.07
27/05/2007	4.80	325.03	20/01/2007	11.44	315.67	20/01/2007	3.30	315.79	21/09/2007	3.36	303.96	14/12/2006	4.30	303.67
30/06/2007	4.97	324.86	16/02/2007	10.80	316.31	16/02/2007	3.42	315.67	16/10/2007	3.85	303.47	20/01/2007	3.61	304.36
21/07/2007	5.20	324.63	30/03/2007	9.66	317.45	30/03/2007	3.16	315.93	7/11/2007	3.73	303.59	16/02/2007	3.68	304.29
30/08/2007	5.63	324.20	30/04/2007	9.37	317.74	30/04/2007	3.52	315.57	15/12/2007	3.26	304.06	30/03/2007	6.09	301.88
21/09/2007	5.77	324.06	27/05/2007	9.14	317.97	27/05/2007	3.60	315.49	2/01/2008	3.10	304.22	30/04/2007	7.92	300.05
16/10/2007	5.93	323.90	30/06/2007	9.20	317.91	30/06/2007	6.02	313.07	3/02/2008	2.76	304.56	27/05/2007	7.90	300.07
7/11/2007	6.37	323.46	21/07/2007	8.60	318.51	21/07/2007	6.37	312.72	3/03/2008	2.12	305.20	30/06/2007	8.83	299.14
15/12/2007	6.17	323.66	30/08/2007	9.91	317.20	30/08/2007	7.53	311.56	9/04/2008	2.50	304.82	21/07/2007	9.63	298.34
2/01/2008	6.07	323.76	21/09/2007	10.17	316.94	21/09/2007	5.65	313.44	10/05/2008	2.92	304.40	30/08/2007	9.77	298.20
3/02/2008	5.88	323.95	16/10/2007	10.41	316.70	16/10/2007	8.28	310.81	4/06/2008	3.97	303.35	21/09/2007	5.07	302.90
3/03/2008	4.85	324.98	7/11/2007	11.60	315.51	7/11/2007	8.49	310.60	14/07/2008	3.70	303.62	16/10/2007	10.15	297.82
9/04/2008	4.66	325.17	15/12/2007	10.61	316.50	15/12/2007	7.93	311.16	2/08/2008	3.86	303.46	7/11/2007	9.96	298.01
10/05/2008	5.16	324.67	2/01/2008	10.34	316.77	2/01/2008	8.33	310.76	19/09/2008	4.44	302.88	15/12/2007	10.82	297.15
4/06/2008	5.97	323.86	3/02/2008	10.24	316.87	3/02/2008	5.59	313.50	18/10/2008	4.39	302.93	2/01/2008	10.56	297.41
14/07/2008	6.48	323.35	3/03/2008	9.13	317.98	3/03/2008	6.35	312.74	16/11/2008	5.11	302.21	3/02/2008	3.44	304.53
2/08/2008	6.67	323.16	9/04/2008	9.29	317.82	9/04/2008	7.59	311.50	12/12/2008	4.66	302.66	3/03/2008	3.12	304.85
19/09/2008	7.23	322.60	10/05/2008	9.86	317.25	10/05/2008	8.10	310.99	9/01/2009	3.52	303.80	9/04/2008	3.58	304.39
18/10/2008	9.58	320.25	4/06/2008	10.11	317.00	4/06/2008	8.46	310.63	7/02/2009	1.18	306.14	10/05/2008	4.02	303.95
16/11/2008	7.82	322.01	14/07/2008	10.87	316.24	14/07/2008	8.75	310.34	7/03/2009	1.83	305.49	4/06/2008	4.25	303.72
12/12/2008	7.82	322.01	2/08/2008	11.31	315.80	2/08/2008	8.86	310.23	2/04/2009	2.27	305.05	14/07/2008	4.59	303.38
9/01/2009	7.30	322.53	19/09/2008	12.26	314.85	19/09/2008	9.26	309.83	3/05/2009	2.55	304.77	2/08/2008	4.70	303.27
7/02/2009	1.69	328.14	18/10/2008	13.39	313.72	18/10/2008	9.35	309.74	1/06/2009	2.67	304.65	19/09/2008	5.16	302.81
7/03/2009	1.71	328.12	16/11/2008	13.16	313.95	16/11/2008	9.44	309.65	1/07/2009	2.59	304.73	18/10/2008	5.75	302.22
2/04/2009	2.52	327.31	12/12/2008	15.70	311.41	12/12/2008	5.72	313.37	1/07/2009	2.59	304.73	16/11/2008	12.04	295.93
3/05/2009	3.35	326.48	9/01/2009	13.49	313.62	9/01/2009	8.76	310.33	26/08/2009	2.87	304.45	12/12/2008	5.87	302.10
1/06/2009	3.69	326.14	7/02/2009	6.33	320.78	7/02/2009	5.23	313.86	26/09/2009	3.08	304.24	9/01/2009	4.54	303.43
1/07/2009	4.83	325.00	7/03/2009	5.86	321.25	7/03/2009	3.82	315.27	19/10/2009	3.49	303.83	7/02/2009	2.16	305.81
1/07/2009	4.83	325.00	2/04/2009	6.65	320.46	2/04/2009	5.41	313.68	9/11/2009	3.40	303.92	7/03/2009	2.71	305.26
26/08/2009	4.62	325.21	3/05/2009	7.41	319.70	3/05/2009	6.05	313.04	8/12/2009	3.82	303.50	2/04/2009	3.16	304.81
26/09/2009	4.93	324.90	1/06/2009	7.62	319.49	1/06/2009	6.57	312.52	17/01/2010	3.55	303.77	3/05/2009	3.62	304.35
19/10/2009	5.08	324.75	1/07/2009	7.57	319.54	1/07/2009	7.14	311.95	9/02/2010	2.71	304.61	1/06/2009	3.62	304.35
9/11/2009	5.65	324.18	1/07/2009	7.57	319.54	1/07/2009	7.14	311.95	7/03/2010	2.67	304.65	1/07/2009	3.73	304.24
8/12/2009	6.18	323.65	26/08/2009	7.88	319.23	26/08/2009	7.83	311.26	3/04/2010	2.85	304.47	1/07/2009	3.73	304.24
17/01/2010	6.13	323.70	26/09/2009	8.49	318.62	26/09/2009	5.07	314.02	1/05/2010	2.61	304.71	26/08/2009	4.00	303.97
9/02/2010	5.47	324.36	19/10/2009	9.86	317.25	19/10/2009	4.90	314.19	3/06/2010	2.31	305.01	26/09/2009	4.23	303.74
7/03/2010	5.28	324.55	9/11/2009	9.75	317.36	9/11/2009	4.89	314.20	1/07/2010	3.42	303.90	19/10/2009	5.07	302.90
3/04/2010	5.19	324.64	8/12/2009	10.51	316.60	8/12/2009	8.01	311.08	1/07/2010	3.42	303.90	9/11/2009	4.58	303.39
1/05/2010	5.55	324.28	17/01/2010	10.67	316.44	17/01/2010	8.06	311.03	21/08/2010	3.71	303.61	8/12/2009	4.82	303.15

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB12	SMWB12 mbrp	SMWB12 mAHD	SMWB15	SMWB15 mbrp	SMWB15 mAHD	SMWB16	SMWB16 mbrp	SMWB16 mAHD	SMWB17	SMWB17	SMWB17 mAHD	SMWB18	SMWB18 mbrp	SMWB18 mAHD
		329.83			**327.11**			**319.09**			**307.32**			**307.97**
3/06/2010	6.35	323.48	9/02/2010	9.61	317.50	9/02/2010	4.39	314.70	20/09/2010	4.09	303.23	17/01/2010	4.38	303.59
1/07/2010	6.61	323.22	7/03/2010	9.62	317.49	7/03/2010	4.13	314.96	16/10/2010	3.98	303.34	9/02/2010	3.78	304.19
1/07/2010	6.61	323.22	3/04/2010	9.62	317.49	3/04/2010	4.13	314.96	13/11/2010	3.22	304.10	7/03/2010	3.75	304.22
21/08/2010	6.89	322.94	1/05/2010	10.06	317.05	1/05/2010	4.16	314.93	11/12/2010	3.31	304.01	3/04/2010	3.94	304.03
20/09/2010	7.33	322.50	3/06/2010	10.30	316.81	3/06/2010	4.13	314.96	13/01/2011	3.03	304.29	1/05/2010	4.00	303.97
16/10/2010	7.45	322.38	1/07/2010	11.49	315.62	1/07/2010	6.90	312.19	4/02/2011	2.15	305.17	3/06/2010	10.97	297.00
13/11/2010	7.28	322.55	1/07/2010	11.49	315.62	1/07/2010	6.90	312.19	10/03/2011	3.11	304.21	1/07/2010	4.62	303.35
11/12/2010	7.44	322.39	21/08/2010	11.68	315.43	21/08/2010	8.35	310.74	27/04/2011	1.40	305.92	1/07/2010	4.62	303.35
13/01/2011	7.50	322.33	20/09/2010	16.14	310.97	20/09/2010	6.63	312.46	20/05/2011	1.60	305.72	21/08/2010	4.76	303.21
4/02/2011	6.80	323.03	16/10/2010	12.12	314.99	16/10/2010	8.22	310.87	6/06/2011	1.88	305.44	20/09/2010	5.09	302.88
10/03/2011	1.37	328.46	13/11/2010	11.93	315.18	13/11/2010	4.98	314.11	18/07/2011	2.13	305.19	16/10/2010	4.82	303.15
4/02/2012	4.40	325.43	11/12/2010	12.00	315.11	11/12/2010	4.98	314.11	1/08/2011	2.23	305.09	13/11/2010	4.40	303.57
8/04/2013	4.97	324.86	13/01/2011	12.29	314.82	13/01/2011	5.00	314.09	17/09/2011	2.40	304.92	11/12/2010	4.32	303.65
17/07/2013	6.41	323.42	4/02/2011	11.24	315.87	4/02/2011	3.96	315.13	14/10/2011	2.46	304.86	13/01/2011	4.18	303.79
24/08/2013	6.71	323.12	10/03/2011	5.89	321.22	15/03/2011	3.57	315.52	8/11/2011	2.46	304.86	4/02/2011	3.45	304.52
11/09/2013	7.13	322.70	27/04/2011	3.53	323.58	27/04/2011	2.36	316.73	1/12/2011	2.43	304.89	10/03/2011	2.41	305.56
7/10/2013	7.28	322.55	20/05/2011	4.20	322.91	20/05/2011	2.50	316.59	2/01/2012	3.13	304.19	27/04/2011	2.46	305.51
11/11/2013	12.54	317.29	6/06/2011	4.67	322.44	6/06/2011	2.96	316.13	3/03/2012	1.80	305.52	20/05/2011	2.76	305.21
18/12/2013	7.27	322.56	18/07/2011	6.52	320.59	18/07/2011	3.18	315.91	4/04/2012	2.90	304.42	6/06/2011	3.58	304.39
6/01/2014	6.98	322.85	1/08/2011	5.76	321.35	1/08/2011	3.17	315.92	26/05/2012	2.37	304.95	18/07/2011	3.28	304.69
2/02/2014	6.11	323.72	17/09/2011	6.62	320.49	14/08/2011	3.23	315.86	29/06/2012	2.45	304.87	1/08/2011	3.28	304.69
9/03/2014	2.37	327.46	14/10/2011	7.04	320.07	17/09/2011	3.39	315.70	25/07/2012	2.45	304.87	17/09/2011	3.85	304.12
24/04/2014	3.27	326.56	8/11/2011	7.25	319.86	14/10/2011	5.34	313.75	23/08/2012	2.64	304.68	14/10/2011	3.99	303.98
5/05/2014	3.30	326.53	2/12/2011	7.69	319.42	8/11/2011	5.62	313.47	17/09/2012	3.72	303.60	8/11/2011	4.00	303.97
9/06/2014	3.84	325.99	2/01/2012	7.54	319.57	2/12/2011	6.11	312.98	11/10/2012	2.64	304.68	1/12/2011	3.98	303.99
1/07/2014	4.05	325.78	4/02/2012	8.04	319.07	2/01/2012	5.77	313.32	11/12/2012	2.89	304.43	2/01/2012	4.06	303.91
1/07/2014	4.05	325.78	3/03/2012	7.04	320.07	1/02/2012	6.17	312.92	8/01/2013	2.60	304.72	4/02/2012	3.91	304.06
1/08/2014	4.31	325.52	4/04/2012	6.10	321.01	3/03/2012	5.70	313.39	28/02/2013	2.37	304.95	3/03/2012	3.41	304.56
29/09/2014	4.89	324.94	26/05/2012	7.53	319.58	4/04/2012	3.44	315.65	9/03/2013	2.38	304.94	4/04/2012	3.86	304.11
31/10/2014	5.48	324.35	29/06/2012	7.97	319.14	26/05/2012	6.24	312.85	8/04/2013	2.58	304.74	26/05/2012	3.94	304.03
24/11/2014	5.71	324.12	25/07/2012	8.15	318.96	29/06/2012	7.00	312.09	2/05/2013	3.00	304.32	29/06/2012	4.00	303.97
12/12/2014	6.23	323.60	23/08/2012	8.39	318.72	25/07/2012	6.89	312.20	14/06/2013	3.01	304.31	25/07/2012	4.10	303.87
26/01/2015	4.72	325.11	17/09/2012	8.84	318.27	23/08/2012	7.53	311.56	17/07/2013	2.73	304.59	23/08/2012	4.20	303.77
8/03/2016	6.00	323.83	11/10/2012	9.86	317.25	17/09/2012	7.88	311.21	24/08/2013	3.43	303.89	17/09/2012	4.30	303.67
26/03/2016	5.50	324.33	11/12/2012	9.67	317.44	11/10/2012	7.90	311.19	11/09/2013	3.53	303.79	11/10/2012	4.22	303.75
21/04/2016	5.60	324.23	8/01/2013	9.16	317.95	11/12/2012	8.54	310.55	7/10/2013	3.87	303.45	11/12/2012	4.53	303.44
17/05/2016	5.86	323.97	28/02/2013	8.87	318.24	8/01/2013	8.05	311.04	11/11/2013	4.30	303.02	8/01/2013	4.20	303.77
16/06/2016	6.20	323.63	9/03/2013	9.63	317.48	28/02/2013	7.87	311.22	18/12/2013	3.29	304.03	28/02/2013	4.02	303.95
11/07/2016	6.57	323.26	8/04/2013	8.86	318.25	9/03/2013	7.04	312.05	6/01/2014	3.07	304.25	9/03/2013	3.94	304.03
12/09/2016	7.42	322.41	2/05/2013	9.45	317.66	8/04/2013	7.71	311.38	2/02/2014	2.38	304.94	8/04/2013	4.18	303.79
30/11/2016	8.21	321.62	14/06/2013	10.11	317.00	2/05/2013	8.15	310.94	9/03/2014	1.69	305.63	2/05/2013	4.41	303.56
17/06/2017	2.52	327.31	17/07/2013	10.14	316.97	14/06/2013	8.70	310.39	24/04/2014	2.37	304.95	14/06/2013	4.67	303.30
10/08/2017	3.30	326.53	18/12/2013	13.37	313.74	17/07/2013	8.58	310.51	5/05/2014	2.26	305.06	17/07/2013	4.82	303.15
30/09/2017	3.80	326.03	2/02/2014	11.06	316.05	24/08/2013	9.23	309.86	9/06/2014	2.40	304.92	24/08/2013	5.02	302.95
13/07/2018	6.75	323.08	9/03/2014	7.80	319.31	11/09/2013	9.40	309.69	1/07/2014	2.43	304.89	11/09/2013	5.14	302.83
15/08/2018	6.90	322.93	12/12/2014	11.46	315.65	7/10/2013	9.54	309.55	1/07/2014	2.43	304.89	7/10/2013	5.33	302.64
19/09/2018	7.18	322.65	26/01/2015	9.62	317.49	11/11/2013	9.72	309.37	1/08/2014	2.49	304.83	11/11/2013	11.31	296.66
22/10/2018	4.63	325.20	25/02/2015	8.98	318.13	18/12/2013	9.80	309.29	29/09/2014	2.70	304.62	18/12/2013	9.73	298.24
16/11/2018	7.83	322.00	17/03/2015	7.91	319.20	6/01/2014	9.76	309.33	31/10/2014	3.10	304.22	6/01/2014	4.89	303.08
14/12/2018	7.64	322.19	4/04/2015	8.99	318.12	2/02/2014	8.41	310.68	24/11/2014	3.51	303.81	2/02/2014	4.15	303.82
22/10/2019	8.92	320.91	18/05/2015	9.66	317.45	9/03/2014	5.93	313.16	12/12/2014	3.83	303.49	9/03/2014	3.25	304.72
20/10/2020	9.49	320.34	10/06/2015	10.12	316.99	24/04/2014	6.48	312.61	26/01/2015	1.96	305.36	24/04/2014	3.94	304.03
20/10/2021		Blocked	19/07/2015	11.03	316.08	5/05/2014	6.78	312.31	26/01/2015	1.86	305.46	5/05/2014	4.03	303.94
19/10/2022	6.82	323.01	15/08/2015	11.73	315.38	9/06/2014	7.15	311.94	25/02/2015	2.30	305.02	9/06/2014	4.14	303.83
25/10/2023	4.9	324.93	27/09/2015	12.59	314.52	1/07/2014	7.53	311.56	17/03/2015	2.26	305.06	1/07/2014	4.24	303.73
5/10/2024	4.13	325.70	31/10/2015	13.46	313.65	1/07/2014	7.53	311.56	4/04/2015	2.64	304.68	1/07/2014	4.24	303.73
			30/11/2015	14.22	312.89	1/08/2014	7.93	311.16	18/05/2015	3.04	304.28	1/08/2014	4.30	303.67
			17/12/2015	15.04	312.07	29/09/2014	8.51	310.58	10/06/2015	3.57	303.75	29/09/2014	4.60	303.37
			20/12/2015	14.44	312.67	31/10/2014	8.84	310.25	18/07/2015	4.12	303.20	31/10/2014	5.12	302.85
			26/12/2015	14.52	312.59	24/11/2014	9.04	310.05	15/08/2015	4.33	302.99	24/11/2014	10.76	297.21
			31/01/2016	12.51	314.60	12/12/2014	9.08	310.01	27/09/2015	4.54	302.78	12/12/2014	5.54	302.43
			26/03/2016	11.74	315.37	26/01/2015	7.14	311.95	31/10/2015	5.30	302.02	26/01/2015	13.25	294.72
			21/04/2016	11.62	315.49	25/02/2015	7.49	311.60	30/11/2015	5.68	301.64	25/02/2015	9.45	298.52
			17/05/2016	13.26	313.85	17/03/2015	7.09	312.00	26/12/2015	4.86	302.46	17/03/2015	4.04	303.93
			16/06/2016	12.73	314.38	4/04/2015	7.47	311.62	31/01/2016	3.67	303.65	4/04/2015	4.18	303.79
			11/07/2016	12.60	314.51	18/05/2015	8.00	311.09	8/03/2016	2.98	304.34	18/05/2015	10.86	297.11
			12/09/2016	13.12	313.99	10/06/2015	8.54	310.55	26/03/2016	2.40	304.92	10/06/2015	10.17	297.80
			31/10/2016	14.35	312.76	19/07/2015	8.99	310.10	21/04/2016	3.13	304.19	18/07/2015	5.64	302.33
			30/11/2016	13.95	313.16	15/08/2015	9.21	309.88	17/05/2016	2.74	304.58	15/08/2015	6.07	301.90
			21/12/2016	12.80	314.31	20/08/2015	9.11	309.98	16/06/2016	3.00	304.32	27/09/2015	6.20	301.77
			30/01/2017	6.99	320.12	27/09/2015	9.45	309.64	11/07/2016	3.24	304.08	31/10/2015	11.67	296.30
			27/03/2017	3.42	323.69	31/10/2015	9.62	309.47	9/08/2016	3.52	303.80	30/11/2015	12.12	295.85
			21/04/2017	4.11	323.00	29/11/2015	9.73	309.36	12/09/2016	3.92	303.40	26/12/2015	12.21	295.76
			24/05/2017	5.00	322.11	26/12/2015	9.70	309.39	30/11/2016	4.06	303.26	31/01/2016	10.01	297.96
			17/06/2017	5.68	321.43	31/01/2016	8.51	310.58	15/07/2017	2.11	305.21	8/03/2016	9.70	298.27
			15/07/2017	5.92	321.19	8/03/2016	8.79	310.30	10/08/2017	2.19	305.13	26/03/2016	4.23	303.74
			10/08/2017	6.38	320.73	26/03/2016	8.11	310.98	30/09/2017	2.45	304.87	21/04/2016	10.71	297.26
			30/09/2017	7.79	319.32	21/04/2016	8.39	310.70	30/10/2017	2.52	304.80	17/05/2016	4.62	303.35
			30/10/2017	6.87	320.24	17/05/2016	8.47	310.62	30/11/2017	2.35	304.97	16/06/2016	4.93	303.04
			30/11/2017	7.22	319.89	22/05/2016	8.56	310.53	31/12/2017	2.50	304.82	11/07/2016	5.13	302.84
			31/12/2017	7.58	319.53	16/06/2016	8.93	310.16	27/01/2018	2.46	304.86	9/08/2016	5.36	302.61
			27/01/2018	8.13	318.98	11/07/2016	9.22	309.87	22/02/2018	2.30	305.02	12/09/2016	5.70	302.27
			22/02/2018	8.79	318.32	12/09/2016	9.39	309.70	20/03/2018	2.57	304.75	31/10/2016	6.19	301.78
			20/03/2018	8.80	318.31	31/10/2016	9.23	309.86	25/04/2018	2.90	304.42	30/11/2016	5.68	302.29
			25/04/2018	8.82	318.29	26/11/2016	9.43	309.66	22/05/2018	3.10	304.22	21/12/2016	4.33	303.64
			22/05/2018	9.24	317.87	21/12/2016	5.07	314.02	16/06/2018	3.22	304.10	30/01/2017	2.61	305.36
			16/06/2018	9.62	317.49	30/01/2017	3.06	316.03	13/07/2018	3.38	303.94	27/03/2017	4.87	303.10
			13/07/2018	9.83	317.28	27/03/2017	2.34	316.75	15/08/2018	3.69	303.63	21/04/2017	3.27	304.70
			15/08/2018	10.05	317.06	21/04/2017	2.61	316.48	19/09/2018	4.05	303.27	24/05/2017	8.53	299.44

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB12	SMWB12 mbrp	SMWB12 mAHD	SMWB15	SMWB15 mbrp	SMWB15 mAHD	SMWB16	SMWB16 mbrp	SMWB16 mAHD	SMWB17	SMWB17	SMWB17 mAHD	SMWB18	SMWB18 mbrp	SMWB18 mAHD
		329.83			**327.11**			**319.09**			**307.32**			**307.97**
			19/09/2018	10.87	316.24	21/05/2017	2.86	316.23	22/10/2018	4.72	302.60	17/06/2017	3.71	304.26
			22/10/2018	11.76	315.35	17/06/2017	4.76	314.33	16/11/2018	5.29	302.03	15/07/2017	9.94	298.03
			16/11/2018	12.47	314.64	15/07/2017	4.90	314.19	14/12/2018	5.01	302.31	10/08/2017	3.83	304.14
			14/12/2018	12.35	314.76	10/08/2017	4.95	314.14	22/10/2019	6.53	300.79	30/09/2017	4.11	303.86
			4/02/2019	10.61	316.50	30/09/2017	5.11	313.98	20/10/2020	5.69	301.63	30/10/2017	3.80	304.17
			3/03/2019	10.74	316.37	30/10/2017	5.24	313.85	19/11/2021	4.6	302.72	30/11/2017	3.74	304.23
			30/03/2019	11.72	315.39	30/11/2017	4.86	314.23	18/10/2022	4.76	302.56	31/12/2017	3.84	304.13
			28/04/2019	12.89	314.22	29/12/2017	5.08	314.01	25/10/2023	2.55	304.77	27/01/2018	3.75	304.22
			31/05/2019	12.88	314.23	31/12/2017	4.87	314.22	5/10/2024	2.55	304.67	22/02/2018	4.16	303.81
			30/06/2019	13.69	313.42	27/01/2018	4.91	314.18				20/03/2018	4.17	303.80
			22/07/2019	14.30	312.81	22/02/2018	4.29	314.80				25/04/2018	4.19	303.78
			31/07/2019	14.92	312.19	20/03/2018	4.79	314.30				22/05/2018	4.37	303.60
			16/08/2019	14.92	312.19	25/04/2018	5.02	314.07				16/06/2018	4.89	303.08
			29/08/2019	14.87	312.24	22/05/2018	5.61	313.48				13/07/2018	4.61	303.36
			13/09/2019	15.16	311.95	16/06/2018	7.45	311.64				15/08/2018	5.26	302.71
			25/09/2019	14.98	312.13	13/07/2018	7.65	311.44				19/09/2018	9.49	298.48
			22/10/2019	14.57	312.54	15/08/2018	7.79	311.30				22/10/2018	10.00	297.97
			23/10/2019	15.80	311.31	19/09/2018	7.90	311.19				16/11/2018	11.11	296.86
			8/11/2019	16.12	310.99	22/10/2018	8.33	310.76				14/12/2018	6.81	301.16
			25/01/2020	17.11	310.00	16/11/2018	8.89	310.20				4/02/2019	6.92	301.05
			8/02/2020	15.89	311.22	4/02/2019	6.80	312.29				3/03/2019	7.22	300.75
			5/03/2020	12.83	314.28	3/03/2019	7.37	311.72				30/03/2019	6.80	301.17
			30/03/2020	12.37	314.74	30/03/2019	7.94	311.15				28/04/2019	7.72	300.25
			30/04/2020	11.85	315.26	28/04/2019	8.54	310.55				31/05/2019	5.84	302.13
			26/05/2020	11.96	315.15	31/05/2019	8.30	310.79				30/06/2019	8.18	299.79
			25/06/2020	12.17	314.94	30/06/2019	6.96	312.13				31/07/2019	9.27	298.70
			25/08/2020	12.82	314.29	31/07/2019	8.77	310.32				29/08/2019	10.80	297.17
			24/09/2020	13.15	313.96	29/08/2019	8.79	310.30				25/09/2019	9.92	298.05
			20/10/2020	13.54	313.57	25/09/2019	6.97	312.12				13/10/2019	12.77	295.20
			27/11/2020	13.88	313.23	22/10/2019	9.06	310.03				27/12/2019	9.10	298.87
			12/01/2021	13.02	314.09	27/12/2019	7.80	311.29				25/01/2020	11.07	296.90
			27/02/2021	9.53	317.58	25/01/2020	8.61	310.48				29/02/2020	4.30	303.67
			31/03/2021	8.22	318.89	29/02/2020	7.39	311.70				30/03/2020	4.34	303.63
			25/04/2021	8.36	318.75	30/03/2020	7.88	311.21				30/04/2020	4.85	303.12
			24/05/2021	8.84	318.27	30/04/2020	8.21	310.88				26/05/2020	5.16	302.81
			27/06/2021	9.38	317.73	26/05/2020	8.44	310.65				25/06/2020	5.62	302.35
			24/07/2021	9.84	317.27	25/06/2020	8.64	310.45				25/08/2020	6.41	301.56
			20/08/2021	10.34	316.77	25/08/2020	8.96	310.13				24/09/2020	6.37	301.60
			20/09/2021	10.77	316.34	24/09/2020	9.16	309.93				20/10/2020	6.60	301.37
			20/10/2021	12.04	315.07	20/10/2020	9.33	309.76				27/11/2020	7.09	300.88
			13/11/2021	12.57	314.54	27/11/2020	9.50	309.59				12/01/2021	4.80	303.17
			10/12/2021	14.06	313.05	12/01/2021	9.04	310.05				27/02/2021	3.19	304.78
			17/01/2022	14.32	312.79	27/02/2021	6.01	313.08				31/03/2021	3.25	304.72
			4/02/2022	10.04	317.07	31/03/2021	5.75	313.34				25/04/2021	3.63	304.34
			12/03/2022	7.53	319.58	25/04/2021	6.02	313.07				24/05/2021	3.99	303.98
			6/04/2022	7.53	319.58	24/05/2021	4.31	314.78				27/06/2021	4.33	303.64
			2/05/2022	7.75	319.36	27/06/2021	6.57	312.52				24/07/2021	4.59	303.38
			31/05/2022	8.87	318.24	24/07/2021	6.81	312.28				20/08/2021	4.90	303.07
			26/06/2022	9.57	317.54	20/08/2021	5.55	313.54				20/10/2021	5.73	302.24
			28/07/2022	10.30	316.81	20/09/2021	7.28	311.81				13/11/2021	5.48	302.49
			19/08/2022	11.24	315.87	20/10/2021	7.84	311.25				10/12/2021	5.50	302.47
			27/09/2022	12.49	314.62	13/11/2021	7.96	311.13				17/01/2022	4.84	303.13
			19/10/2022	13.20	313.91	10/12/2021	8.01	311.08				4/02/2022	2.91	305.06
			18/11/2022	13.75	313.36	17/01/2022	7.84	311.25				12/03/2022	3.32	304.65
			11/12/2022	12.93	314.18	4/02/2022	4.64	314.45				6/04/2022	3.64	304.33
			12/01/2023	8.72	318.39	13/03/2022	4.7	314.39				2/05/2022	3.87	304.10
			3/02/2023	6.61	320.50	7/04/2022	4.9	314.19				31/05/2022	4.23	303.74
			6/03/2023	4.28	322.83	2/05/2022	5.64	313.45				28/06/2022	4.42	303.55
			3/04/2023	4.18	322.93	31/05/2022	6.29	312.80				28/07/2022	4.63	303.34
			2/05/2023	4.48	322.63	26/06/2022	6.73	312.36				19/08/2022	8.29	299.68
			4/06/2023	5.00	322.11	28/07/2022	7.06	312.03				27/09/2022	5.36	302.61
			24/06/2023	5.20	321.91	20/08/2022	7.24	311.85				18/10/2022	8.92	299.05
			21/07/2023	5.26	321.85	27/09/2022	7.67	311.42				18/11/2022	8.75	299.22
			30/08/2023	5.6	321.51	20/10/2022	7.81	311.28				11/12/2022	7.88	300.09
			26/09/2023	6.31	320.80	18/11/2022	8.14	310.95				12/01/2023	6.75	301.22
			23/10/2023	6.44	320.67	11/12/2022	7.06	312.03				3/02/2023	3.12	304.85
			23/11/2023	7.2	319.91	11/01/2023	5.14	313.95				6/03/2023	2.41	305.56
			14/12/2023	7.33	319.78	3/02/2023	4.23	314.86				3/04/2023	2.78	305.19
			7/01/2024	7.52	319.59	7/03/2023	3.56	315.53				2/05/2023	6.89	301.08
			22/03/2024	3.14	323.97	4/04/2023	3.78	315.31				4/06/2023	5.7	302.27
			16/04/2024	3.33	323.78	3/05/2023	2.73	316.36				24/06/2023	5.85	302.12
			15/05/2024	3.47	323.64	5/06/2023	3.9	315.19				21/07/2023	3.08	304.89
			16/06/2024	4.62	322.49	25/06/2023	4	315.09				20/08/2023	6.03	301.94
			12/07/2024	4.52	321.71	22/07/2023	3.85	315.24				25/09/2023	3.58	304.39
			30/08/2024	5.41	320.82	20/08/2023	4.33	314.76				24/10/2023	3.68	304.29
			27/09/2024	5.87	320.36	26/09/2023	4.54	314.55				22/11/2023	6.2	301.77
			5/10/2024	6.06	320.17	23/10/2023	4.85	314.24				14/12/2023	7.76	300.21
			30/11/2024	6.07	320.16	23/11/2023	4.88	314.21				7/01/2024	7.31	300.66
			28/12/2024	6.13	320.10	15/12/2023	5.41	313.68				22/03/2024	5.59	302.38
			28/01/2025	6.09	320.14	8/01/2024	5.5	313.59				16/04/2024	5.68	302.29
			28/02/2025	4.71	321.52	22/03/2024	3.46	315.63				15/05/2024	5.79	302.18
			31/03/2025	5.03	321.20	16/04/2024	3.56	315.53				16/06/2024	7.15	300.82
			24/04/2025	5.48	320.75	15/05/2024	3.23	315.86				12/07/2024	7.77	300.20
			21/05/2025	6	320.23	16/06/2024	3.76	315.33				30/08/2024	7.22	300.75
			22/06/2025	6.5	319.73	12/07/2024	3.85	314.83				27/09/2024	7.28	300.69
						30/08/2024	4.11	314.57				5/10/2024	3.72	304.25
						27/09/2024	4.16	314.52				30/11/2024	6.68	301.29
						5/10/2024	4.21	314.47				28/12/2024	6.68	301.29
						30/11/2024	4.09	314.59				28/01/2025	6.78	301.19

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB12	SMWB12 mbrp	SMWB12 mAHD	SMWB15	SMWB15 mbrp	SMWB15 mAHD	SMWB16	SMWB16 mbrp	SMWB16 mAHD	SMWB17	SMWB17	SMWB17 mAHD	SMWB18	SMWB18 mbrp	SMWB18 mAHD
		329.83			**327.11**			**319.09**			**307.32**			**307.97**
						28/12/2024	4.29	314.39				28/02/2025	6.93	301.04
						28/01/2025	3.16	315.52				31/03/2025	6.83	301.14
						28/02/2025	3.86	314.82				24/04/2025	7.38	300.59
						31/03/2025	0.84	317.84				21/05/2025	9.64	298.33
						24/04/2025	4.04	314.64				22/06/2025	3.51	304.46
						21/05/2025	3.08	315.60						

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB19	SMWB19 mbrp	SMWB19 mAHD	SMWB20	SMWB20 mbrp	SMWB20 mAHD	SMWB21	SMWB21 mbrp	SMWB21 mAHD	SMWB22	SMWB22 mbrp	SMWB22 mAHD	SMWB23	SMWB23 mbrp	SMWB23 mAHD
		307.69			**311.55**			**311.12**			**309.12**			**329.53**
21/10/2002	3.47	304.22	21/10/2002	4.43	307.12	23/08/2002	4.25	306.87	23/08/2002	3.15	305.97	7/11/2002	2.35	327.18
29/10/2002	3.56	304.13	29/10/2002	4.47	307.08	21/10/2002	4.40	306.72	5/05/2003	3.28	305.84	5/05/2003	2.58	326.95
5/05/2003	3.44	304.25	5/05/2003	4.41	307.14	29/10/2002	4.49	306.63	11/05/2003	3.32	305.80	11/05/2003	2.68	326.85
11/05/2003	3.48	304.21	11/05/2003	4.45	307.10	5/05/2003	4.43	306.69	18/05/2003	3.35	305.77	18/05/2003	2.82	326.71
18/05/2003	3.52	304.17	18/05/2003	4.48	307.07	11/05/2003	4.48	306.64	25/05/2003	3.38	305.74	25/05/2003	2.96	326.57
25/05/2003	3.57	304.12	25/05/2003	4.58	306.97	18/05/2003	4.51	306.61	1/06/2003	3.46	305.66	1/06/2003	3.06	326.47
1/06/2003	3.62	304.07	1/06/2003	4.95	306.60	25/05/2003	4.55	306.57	15/06/2003	3.55	305.57	15/06/2003	3.24	326.29
15/06/2003	3.72	303.97	15/06/2003	4.61	306.94	1/06/2003	4.59	306.53	22/06/2003	3.59	305.53	22/06/2003	3.31	326.22
22/06/2003	3.75	303.94	22/06/2003	4.61	306.94	15/06/2003	4.64	306.48	14/07/2003	3.71	305.41	14/07/2003	3.50	326.03
14/07/2003	3.88	303.81	14/07/2003	4.69	306.86	22/06/2003	4.68	306.44	20/07/2003	3.72	305.40	20/07/2003	3.54	325.99
20/07/2003	3.91	303.78	20/07/2003	4.72	306.83	14/07/2003	4.77	306.35	30/07/2003	3.77	305.35	30/07/2003	3.63	325.90
30/07/2003	3.96	303.73	30/07/2003	4.75	306.80	20/07/2003	4.80	306.32	17/08/2003	3.85	305.27	17/08/2003	3.77	325.76
17/08/2003	4.06	303.63	17/08/2003	4.82	306.73	30/07/2003	4.75	306.37	9/09/2003	4.00	305.12	9/09/2003	4.00	325.53
9/09/2003	4.22	303.47	9/09/2003	5.00	306.55	17/08/2003	4.92	306.20	15/09/2003	4.08	305.04	15/09/2003	4.05	325.48
15/09/2003	4.28	303.41	15/09/2003	5.06	306.49	9/09/2003	5.08	306.04	21/09/2003	4.13	304.99	21/09/2003	4.14	325.39
21/09/2003	4.45	303.24	21/09/2003	5.10	306.45	15/09/2003	5.14	305.98	9/11/2003	4.60	304.52	9/11/2003	4.54	324.99
9/11/2003	5.12	302.57	9/11/2003	5.50	306.05	21/09/2003	5.20	305.92	3/12/2003	4.16	304.96	3/12/2003	4.48	325.05
3/12/2003	4.33	303.36	3/12/2003	5.07	306.48	9/11/2003	5.60	305.52	24/01/2004	2.61	306.51	24/01/2004	1.79	327.74
24/01/2004	2.85	304.84	24/01/2004	3.63	307.92	3/12/2003	5.17	305.95	12/03/2004	2.15	306.97	12/03/2004	1.12	328.41
16/05/2004	2.95	304.74	16/05/2004	3.99	307.56	24/01/2004	3.56	307.56	16/05/2004	2.83	306.29	16/05/2004	1.86	327.67
24/06/2004	3.00	304.69	24/06/2004	4.20	307.35	12/03/2004	3.12	308.00	24/06/2004	2.99	306.13	24/06/2004	2.03	327.50
31/08/2004	3.50	304.19	31/08/2004	7.50	304.05	16/05/2004	3.94	307.18	31/08/2004	6.10	303.02	31/08/2004	2.10	327.43
4/10/2004	3.85	303.84	4/10/2004	8.10	303.45	24/06/2004	4.10	307.02	4/10/2004	6.84	302.28	4/10/2004	2.25	327.28
10/11/2004	3.80	303.89	10/11/2004	5.10	306.45	31/08/2004	5.10	306.02	10/11/2004	4.00	305.12	10/11/2004	2.10	327.43
19/12/2004	3.80	303.89	19/12/2004	4.80	306.75	4/10/2004	5.50	305.62	19/12/2004	3.70	305.42	19/12/2004	2.90	326.63
13/01/2005	3.40	304.29	13/01/2005	4.30	307.25	10/11/2004	5.40	305.72	13/01/2005	3.30	305.82	13/01/2005	5.00	324.53
18/02/2005	3.50	304.19	18/02/2005	4.40	307.15	19/12/2004	4.80	306.32	18/02/2005	3.40	305.72	18/02/2005	2.20	327.33
12/03/2005	3.60	304.09	12/03/2005	4.60	306.95	13/01/2005	4.40	306.72	12/03/2005	3.50	305.62	12/03/2005	3.00	326.53
16/04/2005	3.70	303.99	16/04/2005	7.50	304.05	18/02/2005	4.50	306.62	16/04/2005	3.70	305.42	16/04/2005	3.30	326.23
13/05/2005	4.20	303.49	13/05/2005	9.30	302.25	12/03/2005	4.70	306.42	13/05/2005	4.10	305.02	13/05/2005	3.90	325.63
21/06/2005	4.50	303.19	21/06/2005	5.40	306.15	16/04/2005	5.00	306.12	21/06/2005	4.40	304.72	21/06/2005	4.20	325.33
16/07/2005	4.80	302.89	16/07/2005	5.90	305.65	13/05/2005	5.90	305.22	16/07/2005	4.70	304.42	16/07/2005	4.40	325.13
20/08/2005	5.20	302.49	20/08/2005	6.00	305.55	21/06/2005	5.50	305.62	20/08/2005	4.20	304.92	20/08/2005	4.90	324.63
19/09/2005	6.20	301.49	19/09/2005	6.20	305.35	16/07/2005	5.90	305.22	19/09/2005	5.60	303.52	19/09/2005	5.10	324.43
22/10/2005	5.20	302.49	22/10/2005	10.00	301.55	20/08/2005	6.00	305.12	22/10/2005	5.20	303.92	22/10/2005	5.20	324.33
30/11/2005	4.85	302.84	30/11/2005	15.90	295.65	19/09/2005	6.10	305.02	30/11/2005	10.00	299.12	30/11/2005	5.20	324.33
22/12/2005	4.40	303.29	22/12/2005	15.50	296.05	22/10/2005	6.50	304.62	22/12/2005	6.20	302.92	22/12/2005	6.90	322.63
12/01/2006	3.60	304.09	12/01/2006	8.80	302.75	30/11/2005	7.45	303.67	12/01/2006	6.50	302.62	12/01/2006	4.10	325.43
20/02/2006	2.40	305.29	20/02/2006	3.80	307.75	22/12/2005	7.70	303.42	20/02/2006	2.30	306.82	20/02/2006	1.70	327.83
7/03/2006	2.80	304.89	7/03/2006	3.20	308.35	12/01/2006	6.40	304.72	7/03/2006	2.20	306.92	7/03/2006	1.00	328.53
5/04/2006	2.60	305.09	5/04/2006	2.60	308.95	20/02/2006	3.30	307.82	5/04/2006	1.70	307.42	5/04/2006	0.90	328.63
17/05/2006	2.80	304.89	17/05/2006	3.80	307.75	5/04/2006	2.60	308.52	17/05/2006	2.50	306.62	17/05/2006	1.40	328.13
7/06/2006	3.20	304.49	7/06/2006	3.90	307.65	17/05/2006	3.70	307.42	7/06/2006	2.70	306.42	7/06/2006	1.80	327.73
21/07/2006	4.20	303.49	21/07/2006	4.40	307.15	7/06/2006	3.80	307.32	21/07/2006	2.80	306.32	21/07/2006	2.00	327.53
12/08/2006	3.10	304.59	12/08/2006	4.20	307.35	21/07/2006	4.00	307.12	12/08/2006	2.60	306.52	12/08/2006	2.10	327.43
15/09/2006	3.40	304.29	15/09/2006	4.40	307.15	12/08/2006	4.00	307.12	15/09/2006	7.00	302.12	15/09/2006	2.30	327.23
12/10/2006	3.40	304.29	12/10/2006	8.50	303.05	15/09/2006	4.60	306.52	12/10/2006	3.70	305.42	12/10/2006	2.50	327.03
20/11/2006	3.60	304.09	20/11/2006	10.30	301.25	12/10/2006	5.50	305.62	20/11/2006	8.20	300.92	20/11/2006	3.00	326.53
14/12/2006	4.20	303.49	14/12/2006	12.90	298.65	20/11/2006	6.90	304.22	14/12/2006	8.90	300.22	14/12/2006	2.20	327.33
20/01/2007	3.26	304.43	20/01/2007	10.19	301.36	14/12/2006	7.70	303.42	20/01/2007	3.81	305.31	20/01/2007	1.78	327.75
16/02/2007	3.16	304.53	16/02/2007	10.55	301.00	20/01/2007	6.36	304.76	16/02/2007	3.92	305.20	16/02/2007	2.20	327.33
30/03/2007	1.99	305.70	30/03/2007	3.75	307.80	16/02/2007	6.25	304.87	30/03/2007	1.93	307.19	30/03/2007	1.34	328.19
30/04/2007	3.25	304.44	30/04/2007	8.25	303.30	30/03/2007	3.18	307.94	30/04/2007	6.78	302.34	30/04/2007	1.91	327.62
27/05/2007	3.35	304.34	27/05/2007	4.35	307.20	30/04/2007	5.27	305.85	27/05/2007	3.32	305.80	27/05/2007	1.70	327.83
30/06/2007	3.39	304.30	30/06/2007	4.20	307.35	27/05/2007	4.70	306.42	30/06/2007	3.23	305.89	30/06/2007	1.65	327.88
21/07/2007	3.50	304.19	21/07/2007	4.28	307.27	30/06/2007	4.24	306.88	21/07/2007	3.28	305.84	21/07/2007	1.95	327.58
30/08/2007	3.61	304.08	30/08/2007	4.43	307.12	21/07/2007	4.30	306.82	30/08/2007	3.42	305.70	30/08/2007	2.55	326.98
21/09/2007	3.97	303.72	21/09/2007	6.18	305.37	30/08/2007	4.52	306.60	21/09/2007	5.46	303.66	21/09/2007	3.10	326.43
16/10/2007	4.58	303.11	16/10/2007	5.46	306.09	21/09/2007	6.08	305.04	16/10/2007	8.51	300.61	16/10/2007	3.33	326.20
7/11/2007	4.11	303.58	7/11/2007	5.15	306.40	16/10/2007	5.84	305.28	7/11/2007	6.90	302.22	7/11/2007	3.72	325.81
15/12/2007	3.26	304.43	15/12/2007	4.59	306.96	7/11/2007	5.50	305.62	15/12/2007	3.78	305.34	15/12/2007	3.31	326.22
2/01/2008	3.65	304.04	2/01/2008	4.46	307.09	15/12/2007	4.72	306.40	2/01/2008	6.97	302.15	2/01/2008	3.17	326.36
3/02/2008	3.29	304.40	3/02/2008	4.44	307.11	2/01/2008	4.33	306.79	3/02/2008	7.17	301.95	3/02/2008	2.80	326.73
3/03/2008	2.83	304.86	3/03/2008	3.66	307.89	3/02/2008	4.74	306.38	3/03/2008	2.61	306.51	3/03/2008	1.49	328.04
9/04/2008	3.23	304.46	9/04/2008	4.19	307.36	3/03/2008	3.58	307.54	9/04/2008	6.46	302.66	9/04/2008	1.84	327.69
10/05/2008	3.59	304.10	10/05/2008	4.64	306.91	9/04/2008	4.34	306.78	10/05/2008	7.57	301.55	10/05/2008	2.83	326.70
4/06/2008	3.93	303.76	4/06/2008	4.85	306.70	10/05/2008	3.97	307.15	4/06/2008	7.95	301.17	4/06/2008	3.16	326.37
14/07/2008	4.31	303.38	14/07/2008	5.11	306.44	4/06/2008	4.48	306.64	14/07/2008	8.22	300.90	14/07/2008	3.57	325.96
2/08/2008	4.52	303.17	2/08/2008	5.31	306.24	14/07/2008	5.57	305.55	2/08/2008	8.35	300.77	2/08/2008	3.72	325.81
19/09/2008	5.07	302.62	19/09/2008	5.73	305.82	2/08/2008	5.42	305.70	19/09/2008	8.98	300.14	19/09/2008	4.21	325.32
18/10/2008	5.52	302.17	18/10/2008	5.92	305.63	19/09/2008	5.95	305.17	18/10/2008	9.25	299.87	18/10/2008	4.53	325.00
16/11/2008	6.10	301.59	16/11/2008	6.22	305.33	18/10/2008	6.01	305.11	16/11/2008	6.08	303.04	16/11/2008	4.83	324.70
12/12/2008	4.76	302.93	12/12/2008	5.58	305.97	16/11/2008	6.09	305.03	12/12/2008	5.05	304.07	12/12/2008	3.94	325.59
9/01/2009	4.05	303.64	9/01/2009	4.93	306.62	12/12/2008	5.87	305.25	9/01/2009	4.19	304.93	9/01/2009	3.91	325.62
7/02/2009	2.23	305.46	7/02/2009	2.28	309.27	9/01/2009	5.42	305.70	7/02/2009	1.55	307.57	7/02/2009	0.14	329.39
7/03/2009	2.61	305.08	7/03/2009	3.23	308.32	7/02/2009	2.14	308.98	7/03/2009	2.11	307.01	7/03/2009	0.57	328.96
2/04/2009	3.02	304.67	2/04/2009	3.81	307.74	7/03/2009	2.99	308.13	2/04/2009	2.64	306.48	2/04/2009	1.11	328.42
3/05/2009	3.30	304.39	3/05/2009	4.21	307.34	2/04/2009	3.70	307.42	3/05/2009	2.90	306.22	3/05/2009	1.35	328.18
1/06/2009	3.22	304.47	1/06/2009	7.98	303.57	3/05/2009	4.96	306.16	1/06/2009	3.02	306.10	1/06/2009	1.42	328.11
1/07/2009	3.28	304.41	1/07/2009	4.51	307.04	1/06/2009	4.28	306.84	1/07/2009	3.15	305.97	1/07/2009	1.50	328.03
1/07/2009	3.28	304.41	1/07/2009	4.51	307.04	1/07/2009	4.37	306.75	1/07/2009	3.15	305.97	1/07/2009	1.50	328.03
26/08/2009	3.92	303.77	26/08/2009	5.17	306.38	1/07/2009	4.37	306.75	26/08/2009	3.49	305.63	26/08/2009	1.73	327.80
26/09/2009	3.78	303.91	26/09/2009	9.74	301.81	26/08/2009	4.86	306.26	26/09/2009	3.96	305.16	26/09/2009	2.27	327.26
19/10/2009	4.02	303.67	19/10/2009	4.32	307.23	26/09/2009	5.49	305.63	19/10/2009	10.72	298.40	19/10/2009	3.34	326.19
9/11/2009	3.94	303.75	9/11/2009	4.11	307.44	19/10/2009	6.30	304.82	9/11/2009	5.49	303.63	9/11/2009	2.89	326.64
8/12/2009	4.48	303.21	8/12/2009	14.05	297.50	9/11/2009	5.49	305.63	8/12/2009	8.78	300.34	8/12/2009	3.38	326.15
17/01/2010	3.92	303.77	17/01/2010	6.23	305.32	8/12/2009	7.82	303.30	17/01/2010	4.74	304.38	17/01/2010	2.55	326.98
9/02/2010	3.22	304.47	9/02/2010	4.63	306.92	17/01/2010	4.64	306.48	9/02/2010	3.35	305.77	9/02/2010	1.72	327.81
7/03/2010	3.30	304.39	7/03/2010	4.40	307.15	9/02/2010	4.61	306.51	7/03/2010	3.32	305.80	7/03/2010	1.96	327.57

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB19	SMWB19 mbrp	SMWB19 mAHD	SMWB20	SMWB20 mbrp	SMWB20 mAHD	SMWB21	SMWB21 mbrp	SMWB21 mAHD	SMWB22	SMWB22 mbrp	SMWB22 mAHD	SMWB23	SMWB23 mbrp	SMWB23 mAHD
		307.69			**311.55**			**311.12**			**309.12**			**329.53**
3/04/2010	3.55	304.14	3/04/2010	4.50	307.05	7/03/2010	4.43	306.69	3/04/2010	3.51	305.61	3/04/2010	2.20	327.33
1/05/2010	3.47	304.22	1/05/2010	4.57	306.98	3/04/2010	4.56	306.56	1/05/2010	3.55	305.57	1/05/2010	2.81	326.72
3/06/2010	4.01	303.68	3/06/2010	4.76	306.79	1/05/2010	4.61	306.51	3/06/2010	7.29	301.83	3/06/2010	3.34	326.19
1/07/2010	4.04	303.65	1/07/2010	5.17	306.38	3/06/2010	5.26	305.86	1/07/2010	4.14	304.98	1/07/2010	4.55	324.98
1/07/2010	4.04	303.65	1/07/2010	5.17	306.38	1/07/2010	5.20	305.92	1/07/2010	4.14	304.98	1/07/2010	4.55	324.98
21/08/2010	4.42	303.27	21/08/2010	5.67	305.88	1/07/2010	5.20	305.92	21/08/2010	4.63	304.49	21/08/2010	4.20	325.33
20/09/2010	4.78	302.91	20/09/2010	5.85	305.70	21/08/2010	4.23	306.89	20/09/2010	4.87	304.25	20/09/2010	4.54	324.99
16/10/2010	4.33	303.36	16/10/2010	5.92	305.63	20/09/2010	5.87	305.25	16/10/2010	4.48	304.64	16/10/2010	4.25	325.28
13/11/2010	3.87	303.82	13/11/2010	4.99	306.56	16/10/2010	5.73	305.39	13/11/2010	3.98	305.14	13/11/2010	4.21	325.32
11/12/2010	3.81	303.88	11/12/2010	5.02	306.53	13/11/2010	5.09	306.03	11/12/2010	3.88	305.24	11/12/2010	4.77	324.76
13/01/2011	3.61	304.08	13/01/2011	4.98	306.57	11/12/2010	5.21	305.91	13/01/2011	3.89	305.23	13/01/2011	4.89	324.64
4/02/2011	2.80	304.89	4/02/2011	3.97	307.58	13/01/2011	5.11	306.01	4/02/2011	2.79	306.33	4/02/2011	2.96	326.57
10/03/2011	2.44	305.25	10/03/2011	2.56	308.99	4/02/2011	3.83	307.29	10/03/2011	1.52	307.60	10/03/2011	0.20	329.33
27/04/2011	2.33	305.36	27/04/2011	2.53	309.02	10/03/2011	2.35	308.77	27/04/2011	1.77	307.35	4/02/2012	1.44	328.09
20/05/2011	2.51	305.18	20/05/2011	2.51	309.04	27/04/2011	2.44	308.68	20/05/2011	2.09	307.03	3/03/2012	1.01	328.52
6/06/2011	2.74	304.95	6/06/2011	2.40	309.15	20/05/2011	2.92	308.20	6/06/2011	2.38	306.74	4/04/2012	0.97	328.56
18/07/2011	2.90	304.79	18/07/2011	3.78	307.77	6/06/2011	3.29	307.83	18/07/2011	2.63	306.49	26/05/2012	1.39	328.14
1/08/2011	2.89	304.80	1/08/2011	3.81	307.74	18/07/2011	3.68	307.44	1/08/2011	2.70	306.42	25/07/2012	1.50	328.03
17/09/2011	3.05	304.64	17/09/2011	4.03	307.52	1/08/2011	3.74	307.38	17/09/2011	2.90	306.22	23/08/2012	1.60	327.93
14/10/2011	3.17	304.52	14/10/2011	4.28	307.27	17/09/2011	3.99	307.13	14/10/2011	3.10	306.02	17/09/2012	1.98	327.55
8/11/2011	3.18	304.51	8/11/2011	4.26	307.29	14/10/2011	4.18	306.94	8/11/2011	3.07	306.05	11/10/2012	1.52	328.01
1/12/2011	3.12	304.57	1/12/2011	4.13	307.42	8/11/2011	4.21	306.91	1/12/2011	2.99	306.13	11/12/2012	2.69	326.84
2/01/2012	3.14	304.55	2/01/2012	4.19	307.36	1/12/2011	4.06	307.06	2/01/2012	3.05	306.07	8/01/2013	1.87	327.66
4/02/2012	3.04	304.65	4/02/2012	4.11	307.44	2/01/2012	4.13	306.99	4/02/2012	2.97	306.15	8/04/2013	1.61	327.92
3/03/2012	2.49	305.20	3/03/2012	3.50	308.05	4/02/2012	4.05	307.07	3/03/2012	2.19	306.93	2/05/2013	6.25	323.28
4/04/2012	2.85	304.84	4/04/2012	3.52	308.03	3/03/2012	3.20	307.92	4/04/2012	2.49	306.63	14/06/2013	3.16	326.37
26/05/2012	3.06	304.63	26/05/2012	4.07	307.48	4/04/2012	3.41	307.71	26/05/2012	2.95	306.17	24/08/2013	3.80	325.73
29/06/2012	1.45	306.24	29/06/2012	4.14	307.41	26/05/2012	4.00	307.12	29/06/2012	2.49	306.63	11/11/2013	4.66	324.87
25/07/2012	3.16	304.53	25/07/2012	4.20	307.35	29/06/2012	4.10	307.02	25/07/2012	3.10	306.02	18/12/2013	4.92	324.61
23/08/2012	3.30	304.39	23/08/2012	4.30	307.25	25/07/2012	4.15	306.97	23/08/2012	3.19	305.93	6/01/2014	4.94	324.59
17/09/2012	3.33	304.36	17/09/2012	4.44	307.11	23/08/2012	4.27	306.85	17/09/2012	3.27	305.85	2/02/2014	2.44	327.09
11/10/2012	4.26	303.43	11/10/2012	4.37	307.18	17/09/2012	4.44	306.68	11/10/2012	3.23	305.89	9/03/2014	0.78	328.75
11/12/2012	3.50	304.19	11/12/2012	4.68	306.87	11/10/2012	4.37	306.75	11/12/2012	3.56	305.56	24/04/2014	1.29	328.24
8/01/2013	3.24	304.45	8/01/2013	4.34	307.21	11/12/2012	4.61	306.51	8/01/2013	3.24	305.88	5/05/2014	1.32	328.21
28/02/2013	4.21	303.48	28/02/2013	4.03	307.52	8/01/2013	4.35	306.77	28/02/2013	3.00	306.12	9/06/2014	1.45	328.08
9/03/2013	3.02	304.67	9/03/2013	4.06	307.49	28/02/2013	4.01	307.11	9/03/2013	2.99	306.13	1/07/2014	1.47	328.06
8/04/2013	3.20	304.49	8/04/2013	4.31	307.24	9/03/2013	4.02	307.10	8/04/2013	3.20	305.92	1/07/2014	1.47	328.06
2/05/2013	3.30	304.39	2/05/2013	4.68	306.87	8/04/2013	4.29	306.83	2/05/2013	3.59	305.53	1/08/2014	1.55	327.98
14/06/2013	3.66	304.03	14/06/2013	4.84	306.71	2/05/2013	4.68	306.44	14/06/2013	3.89	305.23	29/09/2014	2.22	327.31
17/07/2013	3.08	304.61	17/07/2013	4.89	306.66	14/06/2013	4.85	306.27	17/07/2013	3.97	305.15	31/10/2014	2.94	326.59
24/08/2013	4.03	303.66	24/08/2013	5.18	306.37	17/07/2013	5.01	306.11	24/08/2013	4.18	304.94	24/11/2014	3.30	326.23
11/09/2013	4.17	303.52	11/09/2013	5.30	306.25	24/08/2013	5.22	305.90	11/09/2013	4.34	304.78	12/12/2014	3.59	325.94
7/10/2013	4.32	303.37	7/10/2013	5.61	305.94	11/09/2013	5.35	305.77	7/10/2013	4.59	304.53	26/01/2015	1.32	328.21
11/11/2013	5.04	302.65	11/11/2013	5.88	305.67	7/10/2013	5.57	305.55	11/11/2013	4.86	304.26	25/02/2015	2.00	327.53
18/12/2013	3.72	303.97	18/12/2013	4.77	306.78	11/11/2013	5.83	305.29	18/12/2013	3.65	305.47	17/03/2015	1.87	327.66
6/01/2014	7.74	299.95	6/01/2014	4.69	306.86	18/12/2013	4.84	306.28	6/01/2014	3.65	305.47	4/04/2015	2.08	327.45
2/02/2014	3.00	304.69	2/02/2014	3.90	307.65	6/01/2014	4.73	306.39	2/02/2014	3.15	305.97	18/05/2015	3.17	326.36
9/03/2014	2.53	305.16	9/03/2014	3.18	308.37	2/02/2014	3.86	307.26	9/03/2014	2.18	306.94	10/06/2015	3.18	326.35
24/04/2014	3.01	304.68	24/04/2014	4.07	307.48	9/03/2014	2.98	308.14	24/04/2014	3.28	305.84	19/07/2015	3.65	325.88
5/05/2014	3.08	304.61	5/05/2014	4.17	307.38	24/04/2014	3.98	307.14	5/05/2014	3.01	306.11	15/08/2015	3.97	325.56
9/06/2014	3.20	304.49	9/06/2014	4.38	307.17	5/05/2014	4.10	307.02	9/06/2014	3.23	305.89	27/09/2015	4.53	325.00
1/07/2014	3.22	304.47	1/07/2014	4.41	307.14	9/06/2014	4.35	306.77	1/07/2014	3.24	305.88	31/10/2015	4.95	324.58
1/07/2014	3.22	304.47	1/07/2014	4.41	307.14	1/07/2014	4.28	306.84	1/07/2014	3.24	305.88	30/11/2015	5.28	324.25
1/08/2014	3.30	304.39	1/08/2014	4.46	307.09	1/07/2014	4.28	306.84	1/08/2014	3.32	305.80	26/12/2015	5.47	324.06
29/09/2014	3.53	304.16	29/09/2014	4.72	306.83	1/08/2014	4.45	306.67	29/09/2014	3.61	305.51	31/01/2016	3.05	326.48
31/10/2014	3.99	303.70	31/10/2014	5.08	306.47	29/09/2014	4.72	306.40	31/10/2014	4.03	305.09	26/03/2016	2.91	326.62
24/11/2014	4.43	303.26	24/11/2014	5.32	306.23	31/10/2014	5.09	306.03	24/11/2014	4.30	304.82	21/04/2016	3.15	326.38
12/12/2014	4.44	303.25	12/12/2014	5.42	306.13	24/11/2014	5.33	305.79	12/12/2014	4.37	304.75	17/05/2016	3.29	326.24
26/01/2015	2.70	304.99	26/01/2015	3.78	307.77	12/12/2014	5.44	305.68	26/01/2015	2.61	306.51	16/06/2016	3.96	325.57
25/02/2015	3.16	304.53	25/02/2015	4.26	307.29	26/01/2015	3.72	307.40	25/02/2015	3.09	306.03	11/07/2016	4.38	325.15
17/03/2015	3.14	304.55	17/03/2015	4.23	307.32	25/02/2015	4.00	307.12	17/03/2015	5.68	303.44	12/09/2016	5.06	324.47
4/04/2015	3.31	304.38	4/04/2015	4.49	307.06	17/03/2015	3.98	307.14	4/04/2015	5.86	303.26	30/11/2016	5.67	323.86
18/05/2015	3.92	303.77	18/05/2015	4.88	306.67	4/04/2015	4.31	306.81	18/05/2015	4.26	304.86	17/06/2017	1.17	328.36
10/06/2015	4.46	303.23	10/06/2015	5.08	306.47	18/05/2015	4.86	306.26	10/06/2015	5.38	303.74	15/07/2017	1.19	328.34
18/07/2015	4.83	302.86	18/07/2015	5.39	306.16	10/06/2015	5.21	305.91	18/07/2015	8.73	300.39	10/08/2017	1.27	328.26
15/08/2015	5.12	302.57	15/08/2015	5.63	305.92	18/07/2015	5.53	305.59	15/08/2015	5.46	303.66	30/09/2017	1.37	328.16
27/09/2015	5.46	302.23	27/09/2015	6.00	305.55	15/08/2015	5.69	305.43	27/09/2015	9.42	299.70	30/10/2017	1.51	328.02
31/10/2015	6.15	301.54	31/10/2015	6.27	305.28	27/09/2015	5.88	305.24	31/10/2015	9.91	299.21	30/11/2017	1.53	328.00
30/11/2015	6.51	301.18	30/11/2015	6.49	305.06	31/10/2015	6.05	305.07	30/11/2015	10.33	298.79	31/12/2017	1.94	327.59
26/12/2015	5.03	302.66	26/12/2015	12.83	298.72	30/11/2015	6.28	304.84	26/12/2015	5.36	303.76	27/01/2018	2.06	327.47
31/01/2016	3.80	303.89	31/01/2016	12.97	298.58	20/12/2015	6.42	304.70	31/01/2016	4.19	304.93	22/02/2018	2.03	327.50
8/03/2016	3.61	304.08	8/03/2016	4.53	307.02	23/12/2015	6.89	304.23	8/03/2016	7.15	301.97	20/03/2018	2.70	326.83
26/03/2016	3.22	304.47	26/03/2016	4.31	307.24	26/12/2015	7.00	304.12	26/03/2016	3.32	305.80	25/04/2018	3.20	326.33
21/04/2016	3.93	303.76	21/04/2016	4.68	306.87	29/12/2015	7.12	304.00	21/04/2016	3.74	305.38	22/05/2018	3.37	326.16
17/05/2016	3.46	304.23	17/05/2016	4.49	307.06	31/01/2016	6.52	304.60	17/05/2016	3.48	305.64	16/06/2018	3.73	325.80
16/06/2016	3.82	303.87	16/06/2016	4.82	306.73	8/03/2016	4.61	306.51	16/06/2016	3.92	305.20	13/07/2018	4.22	325.31
11/07/2016	4.11	303.58	11/07/2016	5.07	306.48	26/03/2016	4.18	306.94	11/07/2016	4.22	304.90	15/08/2018	4.41	325.12
9/08/2016	4.43	303.26	9/08/2016	4.40	307.15	21/04/2016	4.76	306.36	9/08/2016	4.45	304.67	19/09/2018	4.81	324.72
12/09/2016	4.87	302.82	12/09/2016	5.80	305.75	17/05/2016	4.50	306.62	12/09/2016	4.90	304.22	22/10/2018	5.10	324.43
30/11/2016	4.54	303.15	30/11/2016	5.88	305.67	16/06/2016	4.89	306.23	30/11/2016	4.92	304.20	16/11/2018	5.43	324.10
17/06/2017	2.90	304.79	27/03/2017	2.56	308.99	11/07/2016	5.16	305.96	27/03/2017	1.73	307.39	14/12/2018	4.58	324.95
15/07/2017	2.96	304.73	17/06/2017	3.87	307.68	9/08/2016	5.45	305.67	17/06/2017	2.65	306.47	22/10/2019	6.32	323.21
10/08/2017	3.03	304.66	15/07/2017	4.01	307.54	12/09/2016	5.86	305.26	15/07/2017	2.78	306.34	27/12/2019	6.77	322.76
30/09/2017	3.24	304.45	10/08/2017	4.11	307.44	30/11/2016	5.96	305.16	10/08/2017	2.90	306.22	25/01/2020	5.32	324.21
30/10/2017	2.94	304.75	30/09/2017	4.37	307.18	27/03/2017	2.43	308.69	30/09/2017	3.19	305.93	29/02/2020	2.91	326.62
30/11/2017	2.68	305.01	30/10/2017	3.78	307.77	17/06/2017	3.73	307.39	30/10/2017	2.65	306.47	30/03/2020	3.70	325.83
31/12/2017	2.86	304.83	30/11/2017	3.64	307.91	15/07/2017	3.90	307.22	30/11/2017	2.45	306.67	25/08/2020	6.20	323.33
27/01/2018	2.85	304.84	31/12/2017	3.76	307.79	10/08/2017	4.03	307.09	31/12/2017	2.61	306.51	24/09/2020	6.53	323.00
22/02/2018	2.65	305.04	27/01/2018	3.76	307.79	30/09/2017	4.33	306.79	27/01/2018	2.62	306.50	27/11/2020	7.03	322.50

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB19	SMWB19 mbrp	SMWB19 mAHD	SMWB20	SMWB20 mbrp	SMWB20 mAHD	SMWB21	SMWB21 mbrp	SMWB21 mAHD	SMWB22	SMWB22 mbrp	SMWB22 mAHD	SMWB23	SMWB23 mbrp	SMWB23 mAHD
		307.69			**311.55**			**311.12**			**309.12**			**329.53**
20/03/2018	2.98	304.71	22/02/2018	3.53	308.02	30/10/2017	3.65	307.47	22/02/2018	2.41	306.71	27/02/2021	2.10	327.43
25/04/2018	3.26	304.43	20/03/2018	3.72	307.83	30/11/2017	4.02	307.10	20/03/2018	2.63	306.49	24/05/2021	2.74	326.79
22/05/2018	3.48	304.21	25/04/2018	4.10	307.45	31/12/2017	3.67	307.45	25/04/2018	3.08	306.04	20/08/2021	4.34	325.19
16/06/2018	3.59	304.10	22/05/2018	4.29	307.26	27/01/2018	3.66	307.46	22/05/2018	3.24	305.88	4/02/2022	0.92	328.61
13/07/2018	3.84	303.85	16/06/2018	4.35	307.20	22/02/2018	3.44	307.68	16/06/2018	2.61	306.51	2/05/2022	1.46	328.07
15/08/2018	4.19	303.50	13/07/2018	4.67	306.88	20/03/2018	3.70	307.42	13/07/2018	4.65	304.47	19/08/2022	2.67	326.86
19/09/2018	4.58	303.11	15/08/2018	4.83	306.72	25/04/2018	4.02	307.10	15/08/2018	4.43	304.69	18/11/2022	4.08	325.45
22/10/2018	5.03	302.66	19/09/2018	5.09	306.46	22/05/2018	4.32	306.80	19/09/2018	4.46	304.66	3/02/2023	0.35	329.18
16/11/2018	5.98	301.71	22/10/2018	5.39	306.16	16/06/2018	4.36	306.76	22/10/2018	4.51	304.61	3/05/2023	0.49	329.04
14/12/2018	5.83	301.86	16/11/2018	6.37	305.18	13/07/2018	4.64	306.48	16/11/2018	5.89	303.23	21/07/2023	1.05	328.48
22/10/2019	6.92	300.77	14/12/2018	6.25	305.30	15/08/2018	4.74	306.38	14/12/2018	5.85	303.27	23/10/2023	1.35	328.18
20/10/2020	5.08	302.61	4/02/2019	4.23	307.32	19/09/2018	5.00	306.12	4/02/2019	6.10	303.02	15/05/2024	0.66	328.87
20/10/2021	5.10	302.59	3/03/2019	4.66	306.89	22/10/2018	5.21	305.91	3/03/2019	7.45	301.67	30/08/2024	1.24	328.29
18/10/2022	5.07	302.62	30/03/2019	5.00	306.55	16/11/2018	6.24	304.88	30/03/2019	7.77	301.35	28/02/2025	0.62	328.91
25/10/2023	2.85	304.84	28/04/2019	5.70	305.85	14/12/2018	6.20	304.92	28/04/2019	8.83	300.29	21/05/2025	1.3	328.23
5/10/2024	2.79	304.90	31/05/2019	5.23	306.32	3/03/2019	4.88	306.24	31/05/2019	8.39	300.73			
			30/06/2019	5.56	305.99	31/05/2019	5.18	305.94	30/06/2019	5.27	303.85			
			31/07/2019	10.61	300.94	22/07/2019	5.50	305.62	31/07/2019	5.80	303.32			
			29/08/2019	12.53	299.02	22/07/2019	5.50	305.62	29/08/2019	9.35	299.77			
			25/09/2019	14.32	297.23	31/07/2019	5.82	305.30	25/09/2019	9.31	299.81			
			13/10/2019	7.30	304.25	16/08/2019	7.62	303.50	13/10/2019	10.16	298.96			
			27/12/2019	17.27	294.28	29/08/2019	7.03	304.09	27/12/2019	7.04	302.08			
			25/01/2020	6.54	305.01	13/09/2019	6.22	304.90	25/01/2020	5.04	304.08			
			29/02/2020	10.36	301.19	25/09/2019	8.12	303.00	29/02/2020	3.02	306.10			
			30/03/2020	4.14	307.41	13/10/2019	6.92	304.20	30/03/2020	3.27	305.85			
			30/04/2020	4.52	307.03	23/10/2019	7.50	303.62	30/04/2020	3.69	305.43			
			26/05/2020	4.86	306.69	8/11/2019	8.46	302.66	26/05/2020	4.16	304.96			
			25/06/2020	6.03	305.52	27/12/2019	6.39	304.73	25/06/2020	4.58	304.54			
			25/08/2020	6.01	305.54	25/01/2020	5.16	305.96	25/08/2020	5.29	303.83			
			24/09/2020	6.36	305.19	8/02/2020	4.44	306.68	24/09/2020	5.67	303.45			
			20/10/2020	6.62	304.93	29/02/2020	2.80	308.32	20/10/2020	5.94	303.18			
			27/11/2020	6.42	305.13	5/03/2020	4.19	306.93	27/11/2020	6.22	302.90			
			12/01/2021	4.82	306.73	30/03/2020	4.27	306.85	12/01/2021	3.93	305.19			
			27/02/2021	2.93	308.62	30/04/2020	4.53	306.59	27/02/2021	1.97	307.15			
			31/03/2021	3.16	308.39	26/05/2020	4.88	306.24	31/03/2021	2.15	306.97			
			25/04/2021	3.58	307.97	25/06/2020	5.17	305.95	25/04/2021	2.59	306.53			
			24/05/2021	4.03	307.52	25/08/2020	4.86	306.26	24/05/2021	3.01	306.11			
			27/06/2021	4.46	307.09	24/09/2020	6.06	305.06	27/06/2021	3.48	305.64			
			24/07/2021	4.8	306.75	20/10/2020	6.29	304.83	24/07/2021	3.82	305.30			
			20/08/2021	5.17	306.38	27/11/2020	6.15	304.97	20/08/2021	4.2	304.92			
			20/09/2021	5.58	305.97	12/01/2021	4.95	306.17	20/09/2021	4.61	304.51			
			20/10/2021	6.05	305.5	27/02/2021	2.74	308.38	20/10/2021	5.11	304.01			
			13/11/2021	6.01	305.54	31/03/2021	3.02	308.10	13/11/2021	5.02	304.10			
			10/12/2021	5.73	305.82	25/04/2021	3.50	307.62	10/12/2021	4.76	304.36			
			17/01/2022	5.04	306.51	24/05/2021	3.94	307.18	17/01/2022	4.22	304.90			
			4/02/2022	2.44	309.11	27/06/2021	4.39	306.73	4/02/2022	1.51	307.61			
			12/03/2022	3.19	308.36	24/07/2021	4.71	306.41	12/03/2022	2.11	307.01			
			6/04/2022	3.62	307.93	20/08/2021	5.06	306.06	6/04/2022	2.52	306.60			
			3/05/2022	3.91	307.64	20/09/2021	5.33	305.79	2/05/2022	2.81	306.31			
			31/05/2022	4.38	307.17	13/11/2021	5.72	305.40	31/05/2022	3.34	305.78			
			28/06/2022	4.71	306.84	10/12/2021	5.61	305.51	28/06/2022	3.59	305.53			
			28/07/2022	5.06	306.49	17/01/2022	4.98	306.14	28/07/2022	3.9	305.22			
			19/08/2022	5.32	306.23	4/02/2022	2.26	308.86	19/08/2022	4.23	304.89			
			27/09/2022	5.82	305.73	12/03/2022	3.02	308.10	27/09/2022	4.71	304.41			
			18/10/2022	5.99	305.56	6/04/2022	3.49	307.63	18/10/2022	4.87	304.25			
			18/11/2022	5.93	305.62	2/05/2022	3.8	307.32	18/11/2022	4.87	304.25			
			11/12/2022	4.24	307.31	31/05/2022	4.28	306.84	11/12/2022	3.11	306.01			
			12/01/2023	2.73	308.82	28/06/2022	4.58	306.54	12/01/2023	1.78	307.34			
			3/02/2023	2.56	308.99	28/07/2022	4.90	306.22	3/02/2023	1.46	307.66			
			6/03/2023	1.88	309.67	19/08/2022	5.13	305.99	6/03/2023	1.07	308.05			
			3/04/2023	2.54	309.01	27/09/2022	5.52	305.60	3/04/2023	1.5	307.62			
			2/05/2023	2.65	308.90	18/10/2022	5.66	305.46	2/05/2023	1.59	307.53			
			4/06/2023	3.11	308.44	18/11/2022	5.79	305.33	4/06/2023	1.91	307.21			
			24/06/2023	3.22	308.33	11/12/2022	4.05	307.07	24/06/2023	2.02	307.10			
			21/07/2023	3.1	308.45	12/01/2023	2.60	308.52	21/07/2023	1.88	307.24			
			20/08/2023	3.36	308.19	3/02/2023	2.29	308.83	20/08/2023	2.15	306.97			
			25/09/2023	3.57	307.98	6/03/2023	1.67	309.45	25/09/2023	2.37	306.75			
			24/10/2023	3.73	307.82	3/04/2023	2.35	308.77	24/10/2023	2.51	306.61			
			22/11/2023	3.85	307.70	2/05/2023	2.43	308.69	22/11/2023	2.57	306.55			
			14/12/2023	3.89	307.66	4/06/2023	2.86	308.26	14/12/2023	5.96	303.16			
			7/01/2024	3.78	307.77	24/06/2023	2.99	308.13	7/01/2024	5.48	303.64			
			22/03/2024	2.38	309.17	21/07/2023	2.85	308.27	22/03/2024	1.25	307.87			
			16/04/2024	2.5	309.05	20/08/2023	3.14	307.98	16/04/2024	1.46	307.66			
			15/05/2024	2.69	308.86	25/09/2023	3.38	307.74	15/05/2024	1.62	307.50			
			16/06/2024	3.74	307.81	24/10/2023	3.55	307.57	16/06/2024	1.81	307.31			
			12/07/2024	3.14	308.41	22/11/2023	3.69	307.43	12/07/2024	1.95	307.17			
			30/08/2024	3.48	308.07	14/12/2023	3.92	307.20	30/08/2024	2.29	306.83			
			27/09/2024	3.51	308.04	7/01/2024	3.83	307.29	27/09/2024	2.33	306.79			
			5/10/2024	3.52	308.03	22/03/2024	2.14	308.98	5/10/2024	2.35	306.77			
			30/11/2024	3.49	308.06	16/04/2024	2.31	308.81	30/11/2024	2.32	306.80			
			28/12/2024	3.45	308.10	15/05/2024	2.45	308.67	28/12/2024	2.33	306.79			
			28/01/2025	3.43	308.12	12/07/2024	2.92	308.20	28/01/2025	2.29	306.83			
			28/02/2025	3.51	308.04	30/08/2024	3.3	307.82	28/02/2025	1.77	307.35			
			31/03/2025	3.52	308.03	27/09/2024	3.33	307.79	31/03/2025	1.78	307.34			
			24/04/2025	3.26	308.29	5/10/2024	3.37	307.75	24/04/2025	2.15	306.97			
			22/06/2025	3.43	308.12	30/11/2024	3.32	307.80	21/05/2025	2.37	306.75			
						28/12/2024	3.28	307.84	22/06/2025	2.34	306.78			
						28/01/2025	3.26	307.86						
						28/02/2025	2.53	308.59						

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB19	SMWB19 mbrp	SMWB19 mAHD	SMWB20	SMWB20 mbrp	SMWB20 mAHD	SMWB21	SMWB21 mbrp	SMWB21 mAHD	SMWB22	SMWB22 mbrp	SMWB22 mAHD	SMWB23	SMWB23 mbrp	SMWB23 mAHD
		307.69			311.55			311.12			309.12			329.53
						31/03/2025	2.48	308.64						
						24/04/2025	3.07	308.05						
						21/05/2025	3.32	307.80						
						22/06/2025	3.28	307.84						

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB25	SMWB25 mbrp	SMWB25 mAHD	SMWB26	SMWB26 mbrp	SMWB26 mAHD	SMWB27	SMWB27 mbrp	SMWB27 mAHD	SMWB28	SMWB28 mbrp	SMWB28 mAHD	SMWB29	SMWB29 mbrp	SMWB29 mAHD
		322.53			**321.80**			**319.52**			**314.94**			**316.36**
7/11/2002	3.50	319.03	7/11/2002	5.17	316.63	7/11/2002	2.90	316.62	7/11/2002	12.85	302.09	4/10/2004	3.25	313.11
5/05/2003	3.41	319.12	5/05/2003	5.16	316.64	5/05/2003	2.88	316.64	5/05/2003	2.39	312.55	10/11/2004	2.20	314.16
11/05/2003	3.48	319.05	11/05/2003	5.21	316.59	11/05/2003	2.92	316.60	11/05/2003	2.41	312.53	19/12/2004	3.00	313.36
18/05/2003	3.59	318.94	18/05/2003	5.27	316.53	18/05/2003	2.96	316.56	18/05/2003	2.40	312.54	13/01/2005	2.70	313.66
25/05/2003	3.69	318.84	25/05/2003	5.32	316.48	25/05/2003	3.01	316.51	25/05/2003	2.42	312.52	18/02/2005	2.90	313.46
1/06/2003	3.76	318.77	1/06/2003	5.35	316.45	1/06/2003	3.02	316.50	1/06/2003	2.49	312.45	12/03/2005	2.80	313.56
15/06/2003	3.89	318.64	15/06/2003	5.43	316.37	15/06/2003	3.09	316.43	15/06/2003	2.40	312.54	16/04/2005	2.90	313.46
22/06/2003	3.96	318.57	22/06/2003	5.45	316.35	22/06/2003	3.11	316.41	22/06/2003	2.38	312.56	13/05/2005	3.10	313.26
14/07/2003	4.12	318.41	14/07/2003	5.54	316.26	14/07/2003	3.18	316.34	14/07/2003	2.42	312.52	21/06/2005	3.70	312.66
20/07/2003	4.16	318.37	20/07/2003	5.56	316.24	20/07/2003	3.20	316.32	20/07/2003	2.42	312.52	16/07/2005	4.30	312.06
30/07/2003	4.24	318.29	30/07/2003	5.59	316.21	30/07/2003	3.22	316.30	30/07/2003	2.39	312.55	30/11/2005	4.30	312.06
17/08/2003	4.37	318.16	17/08/2003	5.66	316.14	17/08/2003	3.28	316.24	17/08/2003	2.42	312.52	22/12/2005	3.50	312.86
9/09/2003	4.53	318.00	9/09/2003	5.77	316.03	9/09/2003	3.37	316.15	9/09/2003	2.47	312.47	12/01/2006	2.90	313.46
15/09/2003	4.57	317.96	15/09/2003	5.83	315.97	15/09/2003	3.47	316.05	15/09/2003	2.50	312.44	20/02/2006	2.90	313.46
21/09/2003	5.62	316.91	21/09/2003	5.85	315.95	21/09/2003	3.46	316.06	21/09/2003	2.51	312.43	7/03/2006	1.60	314.76
9/11/2003	4.96	317.57	9/11/2003	5.98	315.82	9/11/2003	3.57	315.95	9/11/2003	2.70	312.24	5/04/2006	1.40	314.96
3/12/2003	4.90	317.63	3/12/2003	5.90	315.90	3/12/2003	3.50	316.02	3/12/2003	2.54	312.40	17/05/2006	1.90	314.46
24/01/2004	2.66	319.87	12/03/2004	4.20	317.60	12/03/2004	2.08	317.44	24/01/2004	2.18	312.76	7/06/2006	2.20	314.16
12/03/2004	2.06	320.47	16/05/2004	4.62	317.18	16/05/2004	2.46	317.06	12/03/2004	1.16	313.78	21/07/2006	2.40	313.96
16/05/2004	2.74	319.79	24/06/2004	4.88	316.92	24/06/2004	2.64	316.88	16/05/2004	2.09	312.85	12/08/2006	2.50	313.86
24/06/2004	2.97	319.56	31/08/2004	5.60	316.20	31/08/2004	4.50	315.02	24/06/2004	2.40	312.54	15/09/2006	2.90	313.46
31/08/2004	2.50	320.03	4/10/2004	7.45	314.35	4/10/2004	5.25	314.27	31/08/2004	2.30	312.64	12/10/2006	2.50	313.86
4/10/2004	2.95	319.58	10/11/2004	6.00	315.80	10/11/2004	3.80	315.72	4/10/2004	2.80	312.14	20/11/2006	3.80	312.56
10/11/2004	3.15	319.38	19/12/2004	5.70	316.10	19/12/2004	3.20	316.32	10/11/2004	2.10	312.84	14/12/2006	4.20	312.16
19/12/2004	4.00	318.53	13/01/2005	5.50	316.30	13/01/2005	3.00	316.52	19/12/2004	2.70	312.24	20/01/2007	2.75	313.61
13/01/2005	3.70	318.83	18/02/2005	5.70	316.10	18/02/2005	3.30	316.22	13/01/2005	2.30	312.64	16/02/2007	2.85	313.51
18/02/2005	3.90	318.63	12/03/2005	5.70	316.10	12/03/2005	3.60	315.92	18/02/2005	2.40	312.54	30/03/2007	1.06	315.30
12/03/2005	4.40	318.13	16/04/2005	6.80	315.00	16/04/2005	4.30	315.22	12/03/2005	2.40	312.54	30/04/2007	2.10	314.26
16/04/2005	4.50	318.03	13/05/2005	6.70	315.10	13/05/2005	4.00	315.52	16/04/2005	2.70	312.24	27/05/2007	2.45	313.91
13/05/2005	5.10	317.43	21/06/2005	7.20	314.60	21/06/2005	4.70	314.82	13/05/2005	2.90	312.04	30/06/2007	2.42	313.94
21/06/2005	5.40	317.13	16/07/2005	9.40	312.40	16/07/2005	5.50	314.02	21/06/2005	3.20	311.74	21/07/2007	2.50	313.86
16/07/2005	5.50	317.03	20/08/2005	9.80	312.00	20/08/2005	7.20	312.32	16/07/2005	3.50	311.44	30/08/2007	2.56	313.80
20/08/2005	5.90	316.63	19/09/2005	13.50	308.30	19/09/2005	8.00	311.52	20/08/2005	3.70	311.24	21/09/2007	2.63	313.73
19/09/2005	6.50	316.03	22/10/2005	12.60	309.20	22/10/2005	8.00	311.52	19/09/2005	3.90	311.04	16/10/2007	2.70	313.66
22/10/2005	6.90	315.63	30/11/2005	11.00	310.80	30/11/2005	7.90	311.62	22/10/2005	3.80	311.14	7/11/2007	2.80	313.56
30/11/2005	6.40	316.13	22/12/2005	7.30	314.50	22/12/2005	4.90	314.62	30/11/2005	3.50	311.44	15/12/2007	2.65	313.71
22/12/2005	5.10	317.43	12/01/2006	6.20	315.60	12/01/2006	3.80	315.72	22/12/2005	2.40	312.54	2/01/2008	2.73	313.63
12/01/2006	4.30	318.23	20/02/2006	4.50	317.30	20/02/2006	3.00	316.52	12/01/2006	2.20	312.74	3/02/2008	2.23	314.13
20/02/2006	2.60	319.93	7/03/2006	4.20	317.60	7/03/2006	2.90	316.62	20/02/2006	0.90	314.04	3/03/2008	2.28	314.08
7/03/2006	1.70	320.83	5/04/2006	3.80	318.00	5/04/2006	1.80	317.72	5/04/2006	1.60	313.34	9/04/2008	2.75	313.61
5/04/2006	1.90	320.63	17/05/2006	4.20	317.60	17/05/2006	2.40	317.12	17/05/2006	2.10	312.84	10/05/2008	2.82	313.54
17/05/2006	2.80	319.73	7/06/2006	4.40	317.40	7/06/2006	2.20	317.32	7/06/2006	2.10	312.84	4/06/2008	2.78	313.58
7/06/2006	3.80	318.73	21/07/2006	4.50	317.30	21/07/2006	2.40	317.12	21/07/2006	3.40	311.54	14/07/2008	2.90	313.46
21/07/2006	3.00	319.53	12/08/2006	4.50	317.30	12/08/2006	2.40	317.12	12/08/2006	2.30	312.64	2/08/2008	3.09	313.27
12/08/2006	3.00	319.53	15/09/2006	5.50	316.30	15/09/2006	4.50	315.02	15/09/2006	2.40	312.54	19/09/2008	3.57	312.79
15/09/2006	3.10	319.43	12/10/2006	6.00	315.80	12/10/2006	5.10	314.42	12/10/2006	2.10	312.84	18/10/2008	4.04	312.32
12/10/2006	3.50	319.03	20/11/2006	7.50	314.30	20/11/2006	4.10	315.42	20/11/2006	3.40	311.54	16/11/2008	4.71	311.65
20/11/2006	3.90	318.63	14/12/2006	9.70	312.10	14/12/2006	9.00	310.52	14/12/2006	3.80	311.14	12/12/2008	3.59	312.77
14/12/2006	3.80	318.73	20/01/2007	5.32	316.48	20/01/2007	2.97	316.55	20/01/2007	2.05	312.89	9/01/2009	3.30	313.06
20/01/2007	3.43	319.10	16/02/2007	5.45	316.35	16/02/2007	4.24	315.28	16/02/2007	2.28	312.66	7/02/2009	1.35	315.01
16/02/2007	3.41	319.12	30/03/2007	4.28	317.52	30/03/2007	1.98	317.54	30/03/2007	1.29	313.65	7/03/2009	1.64	314.72
30/03/2007	1.87	320.66	30/04/2007	4.80	317.00	30/04/2007	2.48	317.04	30/04/2007	2.25	312.69	2/04/2009	2.12	314.24
30/04/2007	3.20	319.33	27/05/2007	4.80	317.00	27/05/2007	2.60	316.92	27/05/2007	2.60	312.34	3/05/2009	2.32	314.04
27/05/2007	3.40	319.13	30/06/2007	4.81	316.99	30/06/2007	2.55	316.97	30/06/2007	2.55	312.39	1/06/2009	2.43	313.93
30/06/2007	3.25	319.28	21/07/2007	4.86	316.94	21/07/2007	2.67	316.85	21/07/2007	2.45	312.49	1/07/2009	2.56	313.80
21/07/2007	3.35	319.18	30/08/2007	5.18	316.62	30/08/2007	2.90	316.62	30/08/2007	2.32	312.62	1/07/2009	2.56	313.80
30/08/2007	3.51	319.02	21/09/2007	5.30	316.50	21/09/2007	3.04	316.48	21/09/2007	2.43	312.51	26/08/2009	2.75	313.61
21/09/2007	4.02	318.51	16/10/2007	5.55	316.25	16/10/2007	3.23	316.29	16/10/2007	2.53	312.41	26/09/2009	2.91	313.45
16/10/2007	4.53	318.00	7/11/2007	5.80	316.00	7/11/2007	3.59	315.93	7/11/2007	2.30	312.64	19/10/2009	2.98	313.38
7/11/2007	3.94	318.59	15/12/2007	5.30	316.50	15/12/2007	2.29	317.23	15/12/2007	2.15	312.79	9/11/2009	3.03	313.33
15/12/2007	3.64	318.89	2/01/2008	5.22	316.58	2/01/2008	2.90	316.62	2/01/2008	2.31	312.63	8/12/2009	3.16	313.20
2/01/2008	3.65	318.88	3/02/2008	6.00	315.80	3/02/2008	5.02	314.50	3/02/2008	2.20	312.74	17/01/2010	2.71	313.65
3/02/2008	3.50	319.03	3/03/2008	5.42	316.38	3/03/2008	4.54	314.98	3/03/2008	1.92	313.02	9/02/2010	2.42	313.94
3/03/2008	2.83	319.70	9/04/2008	5.53	316.27	9/04/2008	3.13	316.39	9/04/2008	2.29	312.65	7/03/2010	2.87	313.49
9/04/2008	3.32	319.21	10/05/2008	5.35	316.45	10/05/2008	3.01	316.51	10/05/2008	2.46	312.48	3/04/2010	3.13	313.23
10/05/2008	3.83	318.70	4/06/2008	6.28	315.52	4/06/2008	5.32	314.20	4/06/2008	2.52	312.42	1/05/2010	2.69	313.67
4/06/2008	4.15	318.38	14/07/2008	7.30	314.50	14/07/2008	6.89	312.63	14/07/2008	2.59	312.35	3/06/2010	4.30	312.06
14/07/2008	4.61	317.92	2/08/2008	8.02	313.78	2/08/2008	5.81	313.71	2/08/2008	2.73	312.21	1/07/2010	4.01	312.35
2/08/2008	4.85	317.68	19/09/2008	10.10	311.70	9/01/2009	8.34	311.18	19/09/2008	3.38	311.56	1/07/2010	4.01	312.35
19/09/2008	5.51	317.02	18/10/2008	11.62	310.18	7/02/2009	2.23	317.29	18/10/2008	3.38	311.56	21/08/2010	5.19	311.17
18/10/2008	5.97	316.56	16/11/2008	14.36	307.44	7/03/2009	2.50	317.02	16/11/2008	3.68	311.26	13/11/2010	3.42	312.94
16/11/2008	6.45	316.08	12/12/2008	10.04	311.76	2/04/2009	2.86	316.66	12/12/2008	2.59	312.35	11/12/2010	3.60	312.76
12/12/2008	6.18	316.35	9/01/2009	8.89	312.91	3/05/2009	3.59	315.93	9/01/2009	2.49	312.45	13/01/2011	3.06	313.30
9/01/2009	5.00	317.53	7/02/2009	5.39	316.41	1/06/2009	3.40	316.12	7/02/2009	1.45	313.49	4/02/2011	1.96	314.40
7/02/2009	1.52	321.01	7/03/2009	5.73	316.07	1/07/2009	2.72	316.80	7/03/2009	2.02	312.92	15/03/2011	1.36	315.00
7/03/2009	2.30	320.23	2/04/2009	6.42	315.38	1/07/2009	2.72	316.80	2/04/2009	2.27	312.67	27/04/2011	1.40	314.96
2/04/2009	2.81	319.72	3/05/2009	5.42	316.38	26/08/2009	4.02	315.50	3/05/2009	2.37	312.57	20/05/2011	1.68	314.68
3/05/2009	3.09	319.44	1/06/2009	4.80	317.00	26/09/2009	4.95	314.57	1/06/2009	2.31	312.63	6/06/2011	1.86	314.50
1/06/2009	3.12	319.41	1/07/2009	4.83	316.97	19/10/2009	4.25	315.27	1/07/2009	2.35	312.59	18/07/2011	2.16	314.20
1/07/2009	3.30	319.23	1/07/2009	4.83	316.97	9/11/2009	3.55	315.97	1/07/2009	2.35	312.59	1/08/2011	2.21	314.15
1/07/2009	3.30	319.23	26/08/2009	5.45	316.35	8/12/2009	5.13	314.39	26/08/2009	2.42	312.52	17/09/2011	2.50	313.86
26/08/2009	3.55	318.98	26/09/2009	6.07	315.73	17/01/2010	4.90	314.62	26/09/2009	2.43	312.51	14/10/2011	2.81	313.55
26/09/2009	3.86	318.67	26/09/2009	1.07	320.73	9/02/2010	4.83	314.69	19/10/2009	2.67	312.27	8/11/2011	2.80	313.56
19/10/2009	4.19	318.34	19/10/2009	6.47	315.33	7/03/2010	5.52	314.00	9/11/2009	2.81	312.13	1/12/2011	2.81	313.55
9/11/2009	4.42	318.11	9/11/2009	5.90	315.90	3/04/2010	5.13	314.39	8/12/2009	3.04	311.90	2/01/2012	2.83	313.53
8/12/2009	4.60	317.93	8/12/2009	6.22	315.58	1/05/2010	5.68	313.84	17/01/2010	2.16	312.78	4/02/2012	2.75	313.61
17/01/2010	3.86	318.67	17/01/2010	5.99	315.81	3/06/2010	5.42	314.10	9/02/2010	1.82	313.12	3/03/2012	2.21	314.15
9/02/2010	3.03	319.50	9/02/2010	5.55	316.25	1/07/2010	6.29	313.23	7/03/2010	2.14	312.80	4/04/2012	2.42	313.94
7/03/2010	3.35	319.18	7/03/2010	7.18	314.62	1/07/2010	6.29	313.23	3/04/2010	2.46	312.48	2/06/2012	2.63	313.73

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB25	SMWB25 mbrp	SMWB25 mAHD	SMWB26	SMWB26 mbrp	SMWB26 mAHD	SMWB27	SMWB27 mbrp	SMWB27 mAHD	SMWB28	SMWB28 mbrp	SMWB28 mAHD	SMWB29	SMWB29 mbrp	SMWB29 mAHD
		322.53			**321.80**			**319.52**			**314.94**			**316.36**
3/04/2010	3.52	319.01	3/04/2010	7.05	314.75	21/08/2010	4.41	315.11	1/05/2010	2.74	312.20	29/06/2012	2.68	313.68
1/05/2010	3.75	318.78	1/05/2010	6.36	315.44	20/09/2010	4.56	314.96	3/06/2010	3.32	311.62	25/07/2012	2.65	313.71
3/06/2010	4.58	317.95	3/06/2010	6.24	315.56	16/10/2010	4.34	315.18	1/07/2010	3.32	311.62	23/08/2012	2.74	313.62
1/07/2010	4.73	317.80	1/07/2010	6.96	314.84	13/11/2010	3.75	315.77	1/07/2010	3.32	311.62	17/09/2012	2.81	313.55
1/07/2010	4.73	317.80	1/07/2010	6.96	314.84	11/12/2010	3.99	315.53	21/08/2010	3.63	311.31	11/10/2012	2.87	313.49
21/08/2010	5.12	317.41	21/08/2010	7.60	314.20	13/01/2011	3.85	315.67	20/09/2010	3.86	311.08	11/12/2012	2.97	313.39
20/09/2010	5.49	317.04	20/09/2010	6.88	314.92	4/02/2011	3.05	316.47	16/10/2010	3.94	311.00	8/01/2013	2.81	313.55
16/10/2010	5.62	316.91	16/10/2010	6.69	315.11	10/03/2011	1.46	318.06	13/11/2010	2.26	312.68	28/02/2013	2.89	313.47
13/11/2010	4.54	317.99	13/11/2010	6.13	315.67	1/04/2011	1.44	318.08	11/12/2010	3.06	311.88	9/03/2013	2.66	313.70
11/12/2010	5.17	317.36	11/12/2010	6.43	315.37	20/05/2011	1.83	317.69	13/01/2011	3.25	311.69	8/04/2013	2.83	313.53
13/01/2011	4.90	317.63	13/01/2011	6.24	315.56	6/06/2011	2.10	317.42	4/02/2011	2.26	312.68	2/05/2013	2.89	313.47
4/02/2011	3.37	319.16	4/02/2011	5.34	316.46	18/07/2011	2.30	317.22	15/03/2011	0.90	314.04	14/06/2013	2.91	313.45
10/03/2011	1.27	321.26	10/03/2011	3.54	318.26	1/08/2011	2.35	317.17	27/04/2011	1.48	313.46	17/07/2013	2.89	313.47
4/02/2012	3.00	319.53	27/04/2011	2.84	318.96	17/09/2011	2.52	317.00	20/05/2011	1.74	313.20	24/08/2013	3.26	313.10
3/03/2012	1.20	321.33	20/05/2011	3.72	318.08	14/10/2011	2.62	316.90	6/06/2011	1.93	313.01	11/09/2013	4.03	312.33
4/04/2012	2.50	320.03	6/06/2011	4.21	317.59	8/11/2011	2.61	316.91	18/07/2011	2.08	312.86	7/10/2013	4.57	311.79
26/05/2012	2.94	319.59	18/07/2011	4.43	317.37	1/12/2011	2.61	316.91	1/08/2011	2.08	312.86	18/12/2013	3.66	312.70
25/07/2012	3.50	319.03	1/08/2011	4.45	317.35	2/01/2012	2.83	316.69	17/09/2011	2.31	312.63	6/01/2014	3.70	312.66
23/08/2012	3.19	319.34	17/09/2011	4.58	317.22	4/02/2012	2.58	316.94	14/10/2011	2.58	312.36	2/02/2014	2.80	313.56
17/09/2012	3.33	319.20	14/10/2011	4.71	317.09	3/03/2012	2.03	317.49	8/11/2011	2.45	312.49	9/03/2014	1.72	314.64
11/10/2012	2.27	320.26	8/11/2011	4.76	317.04	4/04/2012	2.27	317.25	1/12/2011	2.29	312.65	24/04/2014	2.29	314.07
11/12/2012	3.59	318.94	1/12/2011	4.70	317.10	26/05/2012	2.56	316.96	2/01/2012	2.19	312.75	5/05/2014	2.38	313.98
8/01/2013	3.31	319.22	2/01/2012	4.75	317.05	29/06/2012	2.56	316.96	4/02/2012	2.21	312.73	9/06/2014	2.58	313.78
8/04/2013	3.20	319.33	4/02/2012	4.75	317.05	25/07/2012	2.82	316.70	3/03/2012	1.90	313.04	1/07/2014	2.61	313.75
2/05/2013	3.48	319.05	3/03/2012	4.21	317.59	23/08/2012	2.85	316.67	4/04/2012	2.36	312.58	1/07/2014	2.61	313.75
14/06/2013	4.13	318.40	4/04/2012	4.42	317.38	17/09/2012	3.10	316.42	26/05/2012	2.40	312.54	1/08/2014	2.70	313.66
17/07/2013	4.33	318.20	26/05/2012	4.73	317.07	11/10/2012	3.34	316.18	29/06/2012	1.71	313.23	29/09/2014	3.91	312.45
24/08/2013	4.76	317.77	29/06/2012	3.74	318.06	11/12/2012	3.10	316.42	25/07/2012	2.45	312.49	24/11/2014	4.76	311.60
11/09/2013	5.23	317.30	25/07/2012	4.92	316.88	8/01/2013	2.92	316.60	23/08/2012	2.54	312.40	12/12/2014	4.92	311.44
7/10/2013	5.48	317.05	23/08/2012	5.04	316.76	28/02/2013	2.65	316.87	17/09/2012	2.60	312.34	26/01/2015	2.18	314.18
11/11/2013	5.96	316.57	17/09/2012	5.36	316.44	9/03/2013	1.59	317.93	11/10/2012	2.34	312.60	25/02/2015	2.88	313.48
18/12/2013	4.67	317.86	11/10/2012	5.06	316.74	8/04/2013	2.75	316.77	11/12/2012	2.44	312.50	17/03/2015	2.75	313.61
6/01/2014	4.44	318.09	11/12/2012	5.38	316.42	2/05/2013	3.01	316.51	8/01/2013	2.23	312.71	4/04/2015	2.82	313.54
2/02/2014	3.43	319.10	8/01/2013	5.14	316.66	14/06/2013	3.28	316.24	28/02/2013	1.58	313.36	18/05/2015	3.53	312.83
9/03/2014	2.17	320.36	28/02/2013	4.84	316.96	17/07/2013	3.39	316.13	9/03/2013	1.73	313.21	10/06/2015	4.41	311.95
24/04/2014	2.86	319.67	9/03/2013	4.78	317.02	24/08/2013	7.50	312.02	8/04/2013	1.17	313.77	18/07/2015	4.55	311.81
5/05/2014	2.94	319.59	8/04/2013	5.00	316.80	11/09/2013	7.91	311.61	2/05/2013	1.70	313.24	15/08/2015	4.80	311.56
9/06/2014	3.10	319.43	2/05/2013	5.51	316.29	11/11/2013	8.42	311.10	14/06/2013	2.40	312.54	27/09/2015	4.71	311.65
1/07/2014	3.12	319.41	14/06/2013	5.60	316.20	18/12/2013	7.98	311.54	17/07/2013	2.38	312.56	31/10/2015	4.69	311.67
1/07/2014	3.12	319.41	17/07/2013	5.74	316.06	6/01/2014	5.04	314.48	24/08/2013	2.61	312.33	30/11/2015	4.72	311.64
1/08/2014	3.24	319.29	24/08/2013	9.65	312.15	2/02/2014	3.21	316.31	11/09/2013	2.92	312.02	26/12/2015	4.73	311.63
29/09/2014	3.81	318.72	11/09/2013	10.38	311.42	9/03/2014	2.02	317.50	7/10/2013	3.31	311.63	31/01/2016	3.31	313.05
31/10/2014	4.44	318.09	7/10/2013	10.75	311.05	24/04/2014	2.55	316.97	11/11/2013	3.50	311.44	8/03/2016	3.45	312.91
24/11/2014	4.74	317.79	11/11/2013	11.77	310.03	5/05/2014	2.60	316.92	18/12/2013	2.23	312.71	26/03/2016	2.71	313.65
12/12/2014	4.99	317.54	18/12/2013	10.33	311.47	9/06/2014	3.16	316.36	6/01/2014	2.44	312.50	21/04/2016	3.89	312.47
26/01/2015	2.74	319.79	6/01/2014	7.44	314.36	1/07/2014	2.74	316.78	2/02/2014	1.73	313.21	17/05/2016	3.87	312.49
25/02/2015	3.33	319.20	2/02/2014	6.16	315.64	1/07/2014	2.74	316.78	9/03/2014	1.71	313.23	16/06/2016	4.34	312.02
17/03/2015	3.04	319.49	9/03/2014	4.20	317.60	1/08/2014	3.37	316.15	24/04/2014	1.91	313.03	11/07/2016	4.34	312.02
4/04/2015	3.36	319.17	24/04/2014	4.73	317.07	29/09/2014	6.14	313.38	5/05/2014	1.94	313.00	9/08/2016	4.20	312.16
18/05/2015	4.02	318.51	5/05/2014	4.78	317.02	31/10/2014	5.70	313.82	9/06/2014	2.05	312.89	12/09/2016	4.42	311.94
10/06/2015	4.40	318.13	9/06/2014	5.53	316.27	24/11/2014	8.13	311.39	1/07/2014	2.04	312.90	30/11/2016	4.54	311.82
18/07/2015	4.91	317.62	1/07/2014	4.92	316.88	12/12/2014	6.16	313.36	1/07/2014	2.04	312.90	17/06/2017	2.06	314.30
15/08/2015	5.41	317.12	1/07/2014	4.92	316.88	26/01/2015	3.95	315.57	1/08/2014	2.05	312.89	10/08/2017	2.37	313.99
27/09/2015	6.06	316.47	1/08/2014	5.20	316.60	25/02/2015	5.06	314.46	29/09/2014	2.66	312.28	30/09/2017	2.56	313.80
31/10/2015	6.56	315.97	29/09/2014	8.37	313.43	17/03/2015	4.36	315.16	31/10/2014	3.11	311.83	30/10/2017	2.58	313.78
30/11/2015	6.99	315.54	31/10/2014	7.94	313.86	4/04/2015	3.03	316.49	24/11/2014	3.30	311.64	30/11/2017	2.51	313.85
26/12/2015	6.50	316.03	24/11/2014	10.70	311.10	18/05/2015	4.06	315.46	12/12/2014	3.42	311.52	31/12/2017	2.58	313.78
31/01/2016	3.79	318.74	12/12/2014	10.03	311.77	10/06/2015	7.10	312.42	26/01/2015	1.10	313.84	27/01/2018	2.57	313.79
8/03/2016	4.27	318.26	26/01/2015	9.55	312.25	18/07/2015	8.02	311.50	25/02/2015	2.12	312.82	22/02/2018	2.45	313.91
26/03/2016	3.74	318.79	25/02/2015	7.52	314.28	15/08/2015	7.35	312.17	17/03/2015	2.17	312.77	20/03/2018	2.55	313.81
21/04/2016	4.30	318.23	17/03/2015	6.72	315.08	27/09/2015	8.23	311.29	4/04/2015	2.29	312.65	25/04/2018	2.70	313.66
17/05/2016	4.50	318.03	4/04/2015	5.26	316.54	31/10/2015	8.23	311.29	18/05/2015	2.85	312.09	22/05/2018	2.67	313.69
16/06/2016	5.28	317.25	18/05/2015	5.30	316.50	30/11/2015	8.26	311.26	10/06/2015	3.21	311.73	16/06/2018	2.67	313.69
11/07/2016	5.63	316.90	10/06/2015	8.32	313.48	26/12/2015	8.24	311.28	18/07/2015	3.57	311.37	13/07/2018	2.66	313.70
12/09/2016	6.31	316.22	18/07/2015	10.63	311.17	31/01/2016	8.25	311.27	15/08/2015	3.69	311.25	15/08/2018	2.61	313.75
30/11/2016	6.99	315.54	15/08/2015	9.52	312.28	8/03/2016	7.35	312.17	27/09/2015	3.85	311.09	19/09/2018	2.82	313.54
17/06/2017	2.80	319.73	27/09/2015	13.18	308.62	26/03/2016	4.19	315.33	31/10/2015	3.94	311.00	22/10/2018	3.13	313.23
10/08/2017	2.90	319.63	31/10/2015	14.17	307.63	21/04/2016	8.20	311.32	30/11/2015	4.01	310.93	16/11/2018	3.47	312.89
30/09/2017	3.10	319.43	30/11/2015	14.59	307.21	17/05/2016	8.27	311.25	26/12/2015	2.87	312.07	22/10/2019	4.50	311.86
30/10/2017	2.86	319.67	17/12/2015	11.73	310.07	16/06/2016	6.49	313.03	31/01/2016	1.19	313.75	20/10/2020	4.64	311.72
30/11/2017	2.90	319.63	20/12/2015	12.25	309.55	11/07/2016	4.94	314.58	8/03/2016	2.16	312.78	20/10/2021	4.16	312.20
31/12/2017	3.09	319.44	23/12/2015	12.32	309.48	12/09/2016	4.97	314.55	26/03/2016	1.85	313.09	18/10/2022	4.45	311.91
27/01/2018	3.31	319.22	26/12/2015	13.51	308.29	30/11/2016	5.18	314.34	21/04/2016	2.40	312.54	5/10/2024	2.62	313.74
22/02/2018	2.99	319.54	29/12/2015	10.54	311.26	21/12/2016	3.54	315.98	17/05/2016	2.24	312.70			
20/03/2018	3.42	319.11	31/01/2016	9.85	311.95	30/01/2017	1.60	317.92	16/06/2016	3.02	311.92			
25/04/2018	3.71	318.82	8/03/2016	9.61	312.19	27/03/2017	2.12	317.40	11/07/2016	3.29	311.65			
22/05/2018	3.82	318.71	26/03/2016	7.63	314.17	24/05/2017	2.07	317.45	9/08/2016	3.40	311.54			
16/06/2018	4.08	318.45	21/04/2016	10.36	311.44	17/06/2017	2.17	317.35	12/09/2016	3.43	311.51			
13/07/2018	4.44	318.09	17/05/2016	11.42	310.38	15/07/2017	2.27	317.25	30/11/2016	3.55	311.39			
15/08/2018	4.66	317.87	16/06/2016	8.45	313.35	10/08/2017	2.33	317.19	17/06/2017	1.90	313.04			
19/09/2018	4.89	317.64	11/07/2016	7.33	314.47	30/09/2017	2.49	317.03	10/08/2017	1.85	313.09			
22/10/2018	5.14	317.39	12/09/2016	7.42	314.38	30/10/2017	2.21	317.31	30/09/2017	1.94	313.00			
16/11/2018	5.73	316.80	30/11/2016	7.67	314.13	30/11/2017	2.19	317.33	30/10/2017	1.71	313.23			
14/12/2018	5.50	317.03	21/12/2016	5.94	315.86	31/12/2017	2.35	317.17	30/11/2017	1.68	313.26			
22/10/2019	7.70	314.83	30/01/2017	3.75	318.05	27/01/2018	2.47	317.05	31/12/2017	1.73	313.21			
20/10/2020	7.49	315.04	27/03/2017	3.39	318.41	22/02/2018	2.28	317.24	27/01/2018	0.83	314.11			
20/10/2021	6.40	316.13	24/05/2017	1.35	320.45	20/03/2018	2.38	317.14	22/02/2018	1.59	313.35			
19/10/2022	6.82	315.71	17/06/2017	4.34	317.46	25/04/2018	2.75	316.77	20/03/2018	1.74	313.20			
25/10/2023	2.96	319.57	15/07/2017	4.43	317.37	22/05/2018	2.86	316.66	25/04/2018	1.94	313.00			

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB25	SMWB25 mbrp	SMWB25 mAHD	SMWB26	SMWB26 mbrp	SMWB26 mAHD	SMWB27	SMWB27 mbrp	SMWB27 mAHD	SMWB28	SMWB28 mbrp	SMWB28 mAHD	SMWB29	SMWB29 mbrp	SMWB29 mAHD
		322.53			**321.80**			**319.52**			**314.94**			**316.36**
5/10/2024	2.71	319.82	10/08/2017	4.49	317.31	16/06/2018	2.91	316.61	22/05/2018	2.00	312.94			
			30/09/2017	4.66	317.14	13/07/2018	3.05	316.47	16/06/2018	1.88	313.06			
			30/10/2017	4.18	317.62	15/08/2018	3.14	316.38	13/07/2018	1.79	313.15			
			30/11/2017	4.18	317.62	19/09/2018	3.46	316.06	15/08/2018	2.05	312.89			
			31/12/2017	4.39	317.41	22/10/2018	3.63	315.89	19/09/2018	2.17	312.77			
			27/01/2018	4.57	317.23	16/11/2018	4.20	315.32	22/10/2018	2.42	312.52			
			22/02/2018	4.35	317.45	14/12/2018	4.15	315.37	16/11/2018	3.09	311.85			
			20/03/2018	4.64	317.16	4/02/2019	3.24	316.28	22/10/2019	3.89	311.05			
			25/04/2018	4.88	316.92	3/03/2019	3.32	316.20	20/10/2020	3.81	311.13			
			22/05/2018	5.01	316.79	30/03/2019	3.52	316.00	20/10/2021	2.86	312.08			
			16/06/2018	5.09	316.71	28/04/2019	8.24	311.28	16/06/2024	3.11	311.83			
			13/07/2018	5.25	316.55	31/05/2019	7.86	311.66						
			15/08/2018	5.56	316.24	30/06/2019	7.86	311.66						
			19/09/2018	5.77	316.03	31/07/2019	7.83	311.69						
			22/10/2018	5.88	315.92	29/08/2019	9.85	309.67						
			16/11/2018	6.68	315.12	25/09/2019	9.85	309.67						
			14/12/2018	6.54	315.26	13/10/2019	7.80	311.72						
			4/02/2019	5.27	316.53	27/12/2019	7.88	311.64						
			3/03/2019	5.66	316.14	25/01/2020	7.87	311.65						
			30/03/2019	5.89	315.91	29/02/2020	5.07	314.45						
			28/04/2019	11.90	309.90	30/03/2020	5.23	314.29						
			31/05/2019	10.30	311.50	30/04/2020	5.37	314.15						
			30/06/2019	13.33	308.47	26/05/2020	5.18	314.34						
			22/07/2019	7.16	314.64	25/06/2020	4.72	314.80						
			31/07/2019	13.42	308.38	25/08/2020	5.04	314.48						
			16/08/2019	12.86	308.94	24/09/2020	5.30	314.22						
			29/08/2019	13.09	308.71	20/10/2020	5.49	314.03						
			13/09/2019	12.93	308.87	27/11/2020	5.88	313.64						
			25/09/2019	12.61	309.19	12/01/2021	4.08	315.44						
			13/10/2019	14.71	307.09	27/02/2021	2.36	317.16						
			23/10/2019	14.25	307.55	31/03/2021	2.36	317.16						
			8/11/2019	13.89	307.91	25/04/2021	2.63	316.89						
			27/12/2019	14.14	307.66	24/05/2021	2.85	316.67						
			25/01/2020	13.73	308.07	27/06/2021	3.07	316.45						
			8/02/2020	10.21	311.59	24/07/2021	3.28	316.24						
			29/02/2020	7.19	314.61	20/08/2021	3.5	316.02						
			5/03/2020	6.36	315.44	20/09/2021	3.75	315.77						
			30/03/2020	7.97	313.83	13/11/2021	9.85	309.67						
			30/04/2020	7.11	314.69	10/12/2021	9.85	309.67						
			26/05/2020	7.31	314.49	17/01/2022	7.88	311.64						
			25/06/2020	6.95	314.85	4/02/2022	3.21	316.31						
			25/08/2020	7.29	314.51	12/03/2022	2.79	316.73						
			24/09/2020	7.54	314.26	6/04/2022	3.02	316.50						
			20/10/2020	7.73	314.07	2/05/2022	3.22	316.30						
			27/11/2020	8.14	313.66	31/05/2022	7.84	311.68						
			12/01/2021	6.35	315.45	26/06/2022	7.86	311.66						
			27/02/2021	4.44	317.36	28/07/2022	7.86	311.66						
			31/03/2021	4.37	317.43	19/08/2022	7.86	311.66						
			25/04/2021	4.66	317.14	27/09/2022	7.86	311.66						
			24/05/2021	4.94	316.86	19/10/2022	7.86	311.66						
			27/06/2021	5.22	316.58	18/11/2022	7.86	311.66						
			24/07/2021	5.45	316.35	11/12/2022	5.54	313.98						
			20/08/2021	5.7	316.10	12/01/2023	2.40	317.12						
			20/09/2021	5.98	315.82	3/02/2023	1.76	317.76						
			20/10/2021	11.4	310.4	6/03/2023	1.44	318.08						
			13/11/2021	12.06	309.74	3/04/2023	5.32	314.20						
			10/12/2021	13.2	308.60	2/05/2023	2.72	316.80						
			17/01/2022	12.97	308.83	4/06/2023	2.20	317.32						
			4/02/2022	6.14	315.66	24/06/2023	2.28	317.24						
			12/03/2022	5.58	316.22	21/07/2023	1.92	317.60						
			6/04/2022	5.85	315.95	30/08/2023	2.02	317.50						
			2/05/2022	6.11	315.69	25/09/2023	2.32	317.20						
			31/05/2022	8.64	313.16	23/10/2023	2.45	317.07						
			26/06/2022	10.87	310.93	22/11/2023	2.38	317.14						
			28/07/2022	10.52	311.28	14/12/2023	1.87	317.65						
			19/08/2022	12.14	309.66	7/01/2024	2.03	317.49						
			27/09/2022	13.13	308.67	22/03/2024	1.27	318.25						
			19/10/2022	12.50	309.30	16/04/2024	1.43	318.09						
			18/11/2022	13.59	308.21	15/05/2024	1.53	317.99						
			11/12/2022	8.87	312.93	16/06/2024	1.7	317.82						
			12/01/2023	4.34	317.46	12/07/2024	1.81	317.71						
			3/02/2023	3.64	318.16	30/08/2024	1.99	317.53						
			6/03/2023	4.01	317.79	27/09/2024	2	317.52						
			3/04/2023	5.28	316.52	5/10/2024	2.06	317.46						
			2/05/2023	3.98	317.82	30/11/2024	1.99	317.53						
			4/06/2023	4.84	316.96	28/12/2024	2.05	317.47						
			24/06/2023	4.92	316.88	28/01/2025	1.94	317.58						
			21/07/2023	4.81	316.99	28/02/2025	1.69	317.83						
			30/08/2023	3.92	317.88	31/03/2025	1.7	317.82						
			26/09/2023	4.25	317.55	24/04/2025	1.92	317.60						
			23/10/2023	4.47	317.33	21/05/2025	2.07	317.45						
			22/11/2023	4.36	317.44	22/06/2025	2.07	317.45						
			14/12/2023	4.36	317.44									
			7/01/2024	4.07	317.73									
			22/03/2024	3.16	318.64									
			16/04/2024	3.35	318.45									
			15/05/2024	3.46	318.34									
			16/06/2024	3.63	318.17									
			12/07/2024	3.74	318.06									

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB25	SMWB25 mbrp	SMWB25 mAHD	SMWB26	SMWB26 mbrp	SMWB26 mAHD	SMWB27	SMWB27 mbrp	SMWB27 mAHD	SMWB28	SMWB28 mbrp	SMWB28 mAHD	SMWB29	SMWB29 mbrp	SMWB29 mAHD
		322.53			321.80			319.52			314.94			316.36
			30/08/2024	3.92	317.88									
			27/09/2024	3.96	317.84									
			5/10/2024	3.99	317.81									
			30/11/2024	3.94	317.86									
			28/12/2024	3.92	317.88									
			28/01/2025	3.89	317.91									
			28/02/2025	3.6	318.20									
			31/03/2025	3.52	318.28									
			24/04/2025	3.85	317.95									
			21/05/2025	4.03	317.77									
			22/06/2025	3.02	318.78									

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB30	SMWB30 mbrp	SMWB30 mAHD	SMWB32	SMWB32 mbrp	SMWB32 mAHD	SMWB34	SMWB34 mbrp	SMWB34 mAHD	SMWB35	SMWB35 mbrp	SMWB35 mAHD	SMWB36	SMWB36 mbrp	SMWB36 mAHD
		316.32			**324.66**			**318.28**			**320.51**			**321.59**
7/11/2002	2.85	313.47	21/09/2003	6.08	318.58	3/12/2003	3.60	314.68	3/12/2003	4.59	315.92	3/12/2003	3.95	317.64
5/05/2003	2.83	313.49	3/12/2003	6.37	318.29	16/05/2004	3.02	315.26	31/08/2004	4.70	315.81	16/05/2004	1.67	319.92
11/05/2003	2.81	313.51	12/03/2004	3.45	321.21	24/06/2004	3.24	315.04	4/10/2004	5.60	314.91	24/06/2004	2.03	319.56
18/05/2003	2.86	313.46	16/05/2004	4.09	320.57	31/08/2004	3.80	314.48	10/11/2004	4.80	315.71	31/08/2004	2.00	319.59
25/05/2003	2.87	313.45	24/06/2004	4.41	320.25	4/10/2004	4.10	314.18	19/12/2004	4.40	316.11	4/10/2004	2.35	319.24
1/06/2003	2.87	313.45	31/08/2004	4.20	320.46	10/11/2004	3.85	314.43	13/01/2005	4.00	316.51	10/11/2004	2.80	318.79
15/06/2003	2.88	313.44	4/10/2004	4.45	320.21	19/12/2004	3.50	314.78	18/02/2005	4.20	316.31	19/12/2004	4.20	317.39
22/06/2003	2.89	313.43	10/11/2004	4.20	320.46	13/01/2005	2.70	315.58	12/03/2005	3.10	317.41	13/01/2005	4.00	317.59
14/07/2003	2.90	313.42	19/12/2004	4.80	319.86	18/02/2005	3.40	314.88	16/04/2005	5.50	315.01	18/02/2005	4.90	316.69
20/07/2003	2.90	313.42	13/01/2005	4.00	320.66	12/03/2005	3.50	314.78	13/05/2005	5.20	315.31	12/03/2005	5.30	316.29
30/07/2003	2.89	313.43	18/02/2005	4.40	320.26	16/04/2005	3.70	314.58	21/06/2005	5.90	314.61	16/04/2005	5.70	315.89
17/08/2003	2.92	313.40	12/03/2005	5.00	319.66	13/05/2005	3.90	314.38	16/07/2005	6.70	313.81	13/05/2005	5.50	316.09
9/09/2003	2.96	313.36	16/04/2005	5.00	319.66	21/06/2005	4.50	313.78	20/08/2005	9.80	310.71	21/06/2005	5.10	316.49
15/09/2003	2.97	313.35	13/05/2005	5.60	319.06	16/07/2005	4.70	313.58	19/09/2005	11.20	309.31	16/07/2005	5.20	316.39
21/09/2003	2.98	313.34	21/06/2005	6.10	318.56	20/08/2005	6.80	311.48	22/10/2005	9.90	310.61	20/08/2005	5.90	315.69
9/11/2003	3.04	313.28	16/07/2005	6.30	318.36	19/09/2005	8.30	309.98	30/11/2005	8.10	312.41	19/09/2005	6.80	314.79
3/12/2003	2.96	313.36	20/08/2005	6.60	318.06	22/10/2005	8.20	310.08	22/12/2005	6.00	314.51	22/10/2005	7.10	314.49
24/01/2004	2.31	314.01	19/09/2005	7.20	317.46	30/11/2005	5.50	312.78	12/01/2006	4.80	315.71	30/11/2005	6.50	315.09
12/03/2004	1.65	314.67	22/10/2005	7.30	317.36	22/12/2005	4.60	313.68	20/02/2006	3.30	317.21	22/12/2005	5.80	315.79
16/05/2004	2.27	314.05	30/11/2005	6.90	317.76	12/01/2006	3.70	314.58	7/03/2006	3.40	317.11	12/01/2006	4.70	316.89
24/06/2004	2.68	313.64	22/12/2005	5.60	319.06	20/02/2006	3.30	314.98	5/04/2006	2.80	317.71	20/02/2006	2.00	319.59
31/08/2004	3.10	313.22	12/01/2006	4.70	319.96	7/03/2006	2.70	315.58	17/05/2006	3.50	317.01	7/03/2006	1.60	319.99
4/10/2004	3.65	312.67	20/02/2006	3.90	320.76	5/04/2006	2.30	315.98	7/06/2006	3.40	317.11	5/04/2006	1.10	320.49
10/11/2004	3.40	312.92	7/03/2006	3.10	321.56	17/05/2006	2.80	315.48	21/07/2006	3.50	317.01	17/05/2006	1.50	320.09
19/12/2004	3.00	313.32	5/04/2006	3.20	321.46	7/06/2006	2.90	315.38	12/08/2006	3.50	317.01	7/06/2006	1.80	319.79
13/01/2005	2.70	313.62	17/05/2006	3.60	321.06	21/07/2006	3.20	315.08	15/09/2006	4.70	315.81	21/07/2006	1.90	319.69
18/02/2005	2.90	313.42	7/06/2006	4.20	320.46	12/08/2006	3.00	315.28	12/10/2006	5.20	315.31	12/08/2006	1.90	319.69
12/03/2005	2.80	313.52	21/07/2006	4.30	320.36	15/09/2006	3.90	314.38	20/11/2006	5.30	315.21	15/09/2006	7.00	314.59
16/04/2005	2.90	313.42	12/08/2006	4.30	320.36	12/10/2006	4.20	314.08	14/12/2006	7.70	312.81	12/10/2006	2.50	319.09
13/05/2005	3.10	313.22	15/09/2006	4.40	320.26	20/11/2006	4.70	313.58	20/01/2007	3.99	316.52	20/11/2006	3.20	318.39
21/06/2005	3.80	312.52	12/10/2006	4.70	319.96	14/12/2006	5.80	312.48	16/02/2007	5.10	315.41	14/12/2006	3.70	317.89
16/07/2005	4.30	312.02	20/11/2006	5.10	319.56	20/01/2007	3.40	314.88	30/03/2007	3.05	317.46	20/01/2007	3.00	318.59
20/08/2005	5.40	310.92	14/12/2006	4.40	320.26	16/02/2007	3.40	314.88	30/04/2007	3.55	316.96	16/02/2007	3.12	318.47
19/09/2005	6.70	309.62	20/01/2007	4.41	320.25	30/03/2007	2.50	315.78	27/05/2007	3.70	316.81	30/03/2007	2.27	319.32
22/10/2005	7.30	309.02	16/02/2007	4.51	320.15	30/04/2007	3.20	315.08	30/06/2007	3.72	316.79	30/04/2007	2.60	318.99
30/11/2005	4.40	311.92	30/03/2007	2.90	321.76	27/05/2007	3.20	315.08	21/07/2007	3.75	316.76	27/05/2007	2.55	319.04
22/12/2005	3.50	312.82	30/04/2007	4.33	320.33	30/06/2007	3.17	315.11	30/08/2007	3.90	316.61	30/06/2007	2.61	318.98
12/01/2006	2.90	313.42	27/05/2007	4.50	320.16	21/07/2007	3.25	315.03	21/09/2007	4.08	316.43	21/07/2007	2.69	318.90
20/02/2006	1.90	314.42	30/06/2007	4.34	320.32	30/08/2007	3.38	314.90	16/10/2007	4.30	316.21	30/08/2007	3.11	318.48
7/03/2006	1.60	314.72	21/07/2007	4.55	320.11	21/09/2007	3.41	314.87	7/11/2007	4.51	316.00	21/09/2007	3.32	318.27
5/04/2006	1.00	315.32	30/08/2007	4.82	319.84	16/10/2007	3.52	314.76	15/12/2007	4.05	316.46	16/10/2007	3.59	318.00
17/05/2006	1.80	314.52	21/09/2007	5.21	319.45	7/11/2007	3.56	314.72	2/01/2008	3.98	316.53	7/11/2007	3.75	317.84
7/06/2006	3.00	313.32	16/10/2007	5.52	319.14	15/12/2007	3.36	314.92	3/02/2008	5.05	315.46	15/12/2007	3.41	318.18
21/07/2006	2.60	313.72	7/11/2007	4.70	319.96	2/01/2008	3.39	314.89	3/03/2008	4.53	315.98	2/01/2008	3.28	318.31
12/08/2006	2.50	313.82	15/12/2007	4.57	320.09	3/02/2008	3.44	314.84	9/04/2008	4.18	316.33	3/02/2008	3.22	318.37
15/09/2006	3.20	313.12	2/01/2008	4.53	320.13	3/03/2008	3.22	315.06	10/05/2008	4.15	316.36	3/03/2008	2.34	319.25
12/10/2006	3.90	312.42	3/02/2008	4.44	320.22	9/04/2008	3.47	314.81	4/06/2008	5.31	315.20	9/04/2008	2.74	318.85
20/11/2006	4.80	311.52	3/03/2008	3.68	320.98	10/05/2008	3.45	314.83	14/07/2008	6.41	314.10	10/05/2008	3.15	318.44
14/12/2006	5.50	310.82	9/04/2008	4.41	320.25	4/06/2008	3.65	314.63	2/08/2008	6.72	313.79	4/06/2008	3.49	318.10
20/01/2007	2.92	313.40	10/05/2008	5.00	319.66	14/07/2008	4.08	314.20	19/09/2008	8.29	312.22	14/07/2008	4.05	317.54
16/02/2007	3.02	313.30	4/06/2008	5.45	319.21	2/08/2008	4.34	313.94	18/10/2008	9.85	310.66	2/08/2008	4.38	317.21
30/03/2007	1.46	314.86	14/07/2008	5.84	318.82	19/09/2008	5.11	313.17	16/11/2008	10.96	309.55	19/09/2008	4.81	316.78
30/04/2007	1.52	314.80	2/08/2008	6.00	318.66	18/10/2008	6.00	312.28	12/12/2008	9.50	311.01	18/10/2008	5.62	315.97
27/05/2007	2.65	313.67	19/09/2008	6.63	318.03	16/11/2008	6.60	311.68	9/01/2009	8.12	312.39	16/11/2008	6.59	315.00
30/06/2007	2.65	313.67	18/10/2008	6.99	317.67	12/12/2008	5.72	312.56	7/02/2009	1.23	319.28	12/12/2008	6.51	315.08
21/07/2007	2.76	313.56	16/11/2008	7.35	317.31	9/01/2009	5.22	313.06	7/03/2009	3.63	316.88	9/01/2009	5.86	315.73
30/08/2007	2.82	313.50	12/12/2008	6.51	318.15	7/02/2009	2.46	315.82	2/04/2009	4.07	316.44	7/02/2009	0.98	320.61
21/09/2007	2.86	313.46	9/01/2009	5.43	319.23	7/03/2009	2.68	315.60	3/05/2009	4.53	315.98	7/03/2009	1.73	319.86
16/10/2007	2.93	313.39	7/02/2009	2.92	321.74	2/04/2009	2.95	315.33	1/06/2009	3.83	316.68	2/04/2009	1.77	319.82
7/11/2007	2.90	313.42	7/03/2009	3.72	320.94	3/05/2009	3.27	315.01	1/07/2009	3.72	316.79	3/05/2009	2.08	319.51
15/12/2007	2.70	313.62	2/04/2009	4.15	320.51	1/06/2009	3.17	315.11	1/07/2009	3.72	316.79	1/06/2009	2.08	319.51
2/01/2008	2.74	313.58	3/05/2009	4.39	320.27	1/07/2009	3.21	315.07	26/08/2009	4.35	316.16	1/07/2009	2.21	319.38
3/02/2008	2.67	313.65	1/06/2009	4.42	320.24	26/08/2009	3.42	314.86	26/09/2009	5.09	315.42	1/07/2009	2.21	319.38
3/03/2008	2.98	313.34	1/07/2009	4.53	320.13	26/09/2009	3.59	314.69	19/10/2009	5.33	315.18	26/08/2009	2.73	318.86
9/04/2008	2.68	313.64	26/08/2009	4.70	319.96	19/10/2009	3.88	314.40	9/11/2009	4.63	315.88	26/09/2009	3.12	318.47
10/05/2008	2.80	313.52	26/09/2009	5.02	319.64	9/11/2009	3.68	314.60	8/12/2009	5.17	315.34	19/10/2009	3.58	318.01
4/06/2008	2.84	313.48	19/10/2009	5.34	319.32	8/12/2009	3.72	314.56	17/01/2010	4.87	315.64	9/11/2009	3.61	317.98
14/07/2008	2.94	313.38	9/11/2009	5.43	319.23	17/01/2010	3.66	314.62	9/02/2010	4.64	315.87	8/12/2009	3.83	317.76
2/08/2008	3.10	313.22	8/12/2009	5.92	318.74	9/02/2010	3.37	314.91	7/03/2010	5.42	315.09	17/01/2010	3.60	317.99
19/09/2008	3.64	312.68	17/01/2010	4.90	319.76	7/03/2010	3.95	314.33	3/04/2010	5.09	315.42	9/02/2010	2.73	318.86
18/10/2008	4.14	312.18	9/02/2010	3.96	320.70	3/04/2010	3.85	314.43	1/05/2010	5.45	315.06	7/03/2010	3.00	318.59
16/11/2008	4.70	311.62	7/03/2010	4.38	320.28	1/05/2010	4.41	313.87	3/06/2010	5.14	315.37	3/04/2010	3.08	318.51
12/12/2008	3.86	312.46	3/04/2010	4.60	320.06	3/06/2010	3.11	315.17	1/07/2010	5.88	314.63	1/05/2010	3.33	318.26
9/01/2009	3.44	312.88	1/05/2010	4.77	319.89	1/07/2010	5.02	313.26	1/07/2010	5.88	314.63	3/06/2010	3.82	317.77
7/02/2009	0.91	315.41	3/06/2010	5.24	319.42	21/08/2010	5.30	312.98	21/08/2010	5.43	315.08	1/07/2010	4.33	317.26
7/03/2009	1.42	314.90	1/07/2010	6.03	318.63	20/09/2010	5.49	312.79	20/09/2010	5.58	314.93	1/07/2010	4.33	317.26
2/04/2009	1.92	314.40	21/08/2010	6.25	318.41	16/10/2010	4.93	313.35	16/10/2010	5.46	315.05	21/08/2010	4.48	317.11
3/05/2009	2.24	314.08	20/09/2010	6.67	317.99	13/11/2010	3.89	314.39	13/11/2010	4.81	315.70	20/09/2010	4.80	316.79
1/06/2009	2.39	313.93	16/10/2010	6.88	317.78	11/12/2010	4.01	314.27	11/12/2010	5.13	315.38	16/10/2010	4.74	316.85
1/07/2009	2.54	313.78	15/03/2011	3.90	320.76	13/01/2011	3.88	314.40	13/01/2011	4.96	315.55	13/11/2010	4.35	317.24
1/07/2009	2.54	313.78				4/02/2011	3.26	315.02	4/02/2011	4.07	316.44	11/12/2010	4.70	316.89
26/08/2009	2.77	313.55				10/03/2011	2.34	315.94	10/03/2011	2.51	318.00	13/01/2011	4.96	316.63
26/09/2009	2.85	313.47				27/04/2011	2.18	316.10	27/04/2011	2.46	318.05	4/02/2011	3.65	317.94
19/10/2009	2.96	313.36				27/04/2011	2.18	316.10	20/05/2011	2.60	317.91	10/03/2011	0.77	320.82
9/11/2009	3.09	313.23				20/05/2011	2.62	315.66	6/06/2011	3.16	317.35	1/04/2011	2.82	318.77
8/12/2009	3.12	313.20				6/06/2011	2.83	315.45	18/07/2011	3.35	317.16	20/05/2011	2.21	319.38
17/01/2010	2.76	313.56				18/07/2011	3.10	315.18	1/08/2011	3.32	317.19	6/06/2011	1.29	320.30
9/02/2010	2.46	313.86				1/08/2011	3.08	315.20	17/09/2011	3.49	317.02	18/07/2011	1.52	320.07
7/03/2010	2.98	313.34				17/09/2011	3.23	315.05	14/10/2011	3.62	316.89	1/08/2011	1.60	319.99

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB30	SMWB30 mbrp	SMWB30 mAHD	SMWB32	SMWB32 mbrp	SMWB32 mAHD	SMWB34	SMWB34 mbrp	SMWB34 mAHD	SMWB35	SMWB35 mbrp	SMWB35 mAHD	SMWB36	SMWB36 mbrp	SMWB36 mAHD
		316.32			**324.66**			**318.28**			**320.51**			**321.59**
3/04/2010	3.19	313.13				14/10/2011	3.47	314.81	8/11/2011	3.64	316.87	17/09/2011	1.77	319.82
1/05/2010	3.88	312.44				8/11/2011	3.41	314.87	1/12/2011	3.61	316.90	14/10/2011	1.97	319.62
3/06/2010	3.54	312.78				1/12/2011	3.45	314.83	2/01/2012	3.66	316.85	8/11/2011	1.95	319.64
1/07/2010	4.21	312.11				2/01/2012	3.49	314.79	4/02/2012	3.62	316.89	1/12/2011	1.86	319.73
1/07/2010	4.21	312.11				4/02/2012	3.38	314.90	3/03/2012	3.07	317.44	2/01/2012	1.97	319.62
21/08/2010	5.65	310.67				3/03/2012	2.92	315.36	4/04/2012	3.39	317.12	4/02/2012	2.01	319.58
20/09/2010	5.87	310.45				4/04/2012	3.00	315.28	26/05/2012	3.58	316.93	3/03/2012	1.42	320.17
16/10/2010	5.99	310.33				26/05/2012	3.36	314.92	29/06/2012	3.69	316.82	4/04/2012	1.48	320.11
13/11/2010	3.48	312.84				29/06/2012	3.32	314.96	25/07/2012	5.87	314.64	26/05/2012	1.94	319.65
11/12/2010	3.56	312.76				25/07/2012	3.27	315.01	23/08/2012	4.88	315.63	29/06/2012	2.00	319.59
13/01/2011	3.19	313.13				23/08/2012	3.40	314.88	17/09/2012	3.39	317.12	25/07/2012	2.36	319.23
4/02/2011	2.59	313.73				17/09/2012	3.39	314.89	11/10/2012	4.88	315.63	23/08/2012	2.33	319.26
15/03/2011	1.02	315.30				11/10/2012	3.52	314.76	11/12/2012	4.12	316.39	17/09/2012	2.56	319.03
27/04/2011	1.03	315.29				11/12/2012	3.70	314.58	8/01/2013	3.95	316.56	11/10/2012	2.51	319.08
20/05/2011	1.96	314.36				8/01/2013	3.42	314.86	28/02/2013	3.70	316.81	11/12/2012	3.07	318.52
6/06/2011	2.74	313.58				28/02/2013	3.39	314.89	9/03/2013	3.63	316.88	8/01/2013	3.09	318.50
18/07/2011	2.16	314.16				9/03/2013	3.34	314.94	8/04/2013	3.79	316.72	28/02/2013	2.35	319.24
1/08/2011	2.28	314.04				8/04/2013	3.52	314.76	2/05/2013	4.11	316.40	9/03/2013	2.22	319.37
17/09/2011	2.49	313.83				2/05/2013	3.57	314.71	14/06/2013	4.34	316.17	8/04/2013	2.45	319.14
14/10/2011	2.90	313.42				14/06/2013	3.60	314.68	17/07/2013	4.45	316.06	2/05/2013	3.21	318.38
8/11/2011	2.90	313.42				17/07/2013	3.63	314.65	24/08/2013	7.37	313.14	14/06/2013	3.37	318.22
1/12/2011	2.96	313.36				24/08/2013	4.21	314.07	11/09/2013	8.09	312.42	17/07/2013	3.64	317.95
2/01/2012	3.02	313.30				11/09/2013	5.08	313.20	7/10/2013	8.41	312.10	24/08/2013	4.30	317.29
4/02/2012	2.89	313.43				7/10/2013	6.19	312.09	11/11/2013	9.38	311.13	11/09/2013	4.84	316.75
3/03/2012	1.26	315.06				11/11/2013	0.25	318.03	18/12/2013	7.83	312.68	7/10/2013	5.15	316.44
4/04/2012	2.32	314.00				18/12/2013	5.38	312.90	6/01/2014	6.85	313.66	11/11/2013	5.80	315.79
26/05/2012	1.79	314.53				6/01/2014	5.01	313.27	2/02/2014	4.95	315.56	18/12/2013	5.59	316.00
29/06/2012	2.77	313.55				2/02/2014	3.80	314.48	9/03/2014	3.09	317.42	6/01/2014	5.08	316.51
25/07/2012	2.69	313.63				9/03/2014	2.77	315.51	24/04/2014	3.55	316.96	2/02/2014	3.63	317.96
23/08/2012	2.79	313.53				24/04/2014	3.02	315.26	5/05/2014	3.67	316.84	9/03/2014	1.39	320.20
17/09/2012	2.84	313.48				5/05/2014	3.06	315.22	9/06/2014	3.83	316.68	24/04/2014	1.86	319.73
11/10/2012	2.96	313.36				9/06/2014	3.18	315.10	1/07/2014	3.80	316.71	5/05/2014	1.95	319.64
11/12/2012	3.14	313.18				1/07/2014	3.19	315.09	1/07/2014	3.80	316.71	9/06/2014	2.15	319.44
8/01/2013	2.89	313.43				1/07/2014	3.19	315.09	1/08/2014	3.96	316.55	1/07/2014	2.24	319.35
28/02/2013	2.83	313.49				1/08/2014	3.29	314.99	29/09/2014	6.28	314.23	1/07/2014	2.24	319.35
9/03/2013	2.75	313.57				29/09/2014	4.73	313.55	31/10/2014	6.75	313.76	1/08/2014	2.44	319.15
8/04/2013	2.92	313.40				31/10/2014	5.43	312.85	24/11/2014	8.45	312.06	29/09/2014	3.43	318.16
2/05/2013	3.00	313.32				24/11/2014	6.29	311.99	12/12/2014	7.38	313.13	31/10/2014	4.14	317.45
14/06/2013	3.01	313.31				12/12/2014	5.36	312.92	26/01/2015	4.92	315.59	24/11/2014	4.54	317.05
17/07/2013	3.01	313.31				26/01/2015	3.44	314.84	25/02/2015	5.35	315.16	12/12/2014	4.75	316.84
24/08/2013	3.25	313.07				25/02/2015	3.98	314.30	17/03/2015	4.71	315.80	26/01/2015	2.80	318.79
11/09/2013	4.11	312.21				17/03/2015	3.74	314.54	4/04/2015	4.12	316.39	25/02/2015	2.75	318.84
7/10/2013	4.96	311.36				4/04/2015	3.51	314.77	18/05/2015	5.15	315.36	17/03/2015	2.24	319.35
11/11/2013	6.20	310.12				18/05/2015	4.38	313.90	10/06/2015	7.14	313.37	4/04/2015	2.54	319.05
18/12/2013	4.21	312.11				10/06/2015	5.38	312.90	18/07/2015	8.38	312.13	18/05/2015	3.34	318.25
6/01/2014	3.73	312.59				18/07/2015	5.38	312.90	15/08/2015	8.50	312.01	10/06/2015	3.90	317.69
2/02/2014	3.00	313.32				15/08/2015	6.39	311.89	27/09/2015	10.74	309.77	18/07/2015	4.54	317.05
24/04/2014	2.24	314.08				27/09/2015	7.27	311.01	31/10/2015	11.96	308.55	15/08/2015	5.16	316.43
5/05/2014	2.34	313.98				31/10/2015	9.22	309.06	30/11/2015	12.27	308.24	27/09/2015	6.01	315.58
9/06/2014	2.59	313.73				30/11/2015	10.24	308.04	17/12/2015	11.50	309.01	31/10/2015	6.74	314.85
1/07/2014	2.62	313.70				17/12/2015	9.63	308.65	20/12/2015	11.52	308.99	30/11/2015	7.36	314.23
1/07/2014	2.62	313.70				20/12/2015	9.27	309.01	23/12/2015	10.64	309.87	26/12/2015	7.39	314.20
1/08/2014	2.73	313.59				23/12/2015	7.80	310.48	26/12/2015	10.42	310.09	31/01/2016	6.75	314.84
29/09/2014	4.10	312.22				26/12/2015	6.61	311.67	29/12/2015	9.63	310.88	8/03/2016	4.65	316.94
31/10/2014	4.98	311.34				29/12/2015	6.83	311.45	31/01/2016	8.94	311.57	26/03/2016	3.86	317.73
24/11/2014	5.68	310.64				31/01/2016	5.60	312.68	8/03/2016	7.26	313.25	21/04/2016	4.56	317.03
12/12/2014	4.95	311.37				8/03/2016	5.09	313.19	26/03/2016	5.29	315.22	17/05/2016	5.33	316.26
26/01/2015	2.40	313.92				26/03/2016	3.97	314.31	21/04/2016	8.04	312.47	16/06/2016	5.41	316.18
25/02/2015	3.12	313.20				21/04/2016	5.69	312.59	17/05/2016	9.02	311.49	11/07/2016	5.27	316.32
17/03/2015	2.92	313.40				17/05/2016	6.18	312.10	16/06/2016	6.70	313.81	12/09/2016	5.67	315.92
4/04/2015	2.81	313.51				16/06/2016	5.35	312.93	11/07/2016	6.04	314.47	30/11/2016	6.23	315.36
18/05/2015	3.75	312.57				11/07/2016	4.81	313.47	12/09/2016	6.08	314.43	21/12/2016	4.58	317.01
10/06/2015	4.67	311.65				12/09/2016	4.74	313.54	30/11/2016	6.30	314.21	30/01/2017	1.99	319.60
18/07/2015	4.55	311.77				30/11/2016	4.91	313.37	21/12/2016	4.61	315.90	27/03/2017	0.63	320.96
15/08/2015	5.86	310.46				21/12/2016	3.57	314.71	30/01/2017	2.66	317.85	17/06/2017	1.48	320.11
27/09/2015	5.52	310.80				30/01/2017	2.30	315.98	27/03/2017	2.30	318.21	15/07/2017	1.58	320.01
31/10/2015	7.45	308.87				27/03/2017	1.85	316.43	24/05/2017	4.23	316.28	10/08/2017	1.65	319.94
30/11/2015	8.45	307.87				24/05/2017	2.62	315.66	17/06/2017	3.22	317.29	30/09/2017	1.90	319.69
26/12/2015	5.83	310.49				17/06/2017	2.74	315.54	15/07/2017	3.13	317.38	30/10/2017	1.89	319.70
31/01/2016	3.87	312.45				15/07/2017	2.84	315.44	10/08/2017	3.37	317.14	30/11/2017	2.03	319.56
8/03/2016	3.80	312.52				10/08/2017	2.92	315.36	30/09/2017	3.53	316.98	31/12/2017	2.24	319.35
26/03/2016	2.92	313.40				30/09/2017	3.08	315.20	30/10/2017	3.30	317.21	27/01/2018	2.55	319.04
21/04/2016	4.30	312.02				30/10/2017	2.71	315.57	30/11/2017	3.29	317.22	22/02/2018	2.45	319.14
17/05/2016	4.33	311.99				30/11/2017	2.66	315.62	31/12/2017	3.45	317.06	20/03/2018	2.87	318.72
16/06/2016	4.40	311.92				31/12/2017	2.72	315.56	27/01/2018	3.60	316.91	25/04/2018	3.05	318.54
11/07/2016	4.33	311.99				27/01/2018	2.80	315.48	22/02/2018	3.39	317.12	22/05/2018	3.27	318.32
9/08/2016	4.23	312.09				22/02/2018	2.68	315.60	20/03/2018	3.63	316.88	16/06/2018	3.51	318.08
12/09/2016	4.36	311.96				20/03/2018	2.79	315.49	25/04/2018	3.87	316.64	13/07/2018	3.69	317.90
30/11/2016	4.48	311.84				25/04/2018	2.95	315.33	22/05/2018	4.00	316.51	15/08/2018	4.02	317.57
17/06/2017	1.93	314.39				22/05/2018	2.99	315.29	16/06/2018	4.07	316.44	19/09/2018	4.24	317.35
10/08/2017	2.32	314.00				16/06/2018	3.01	315.27	13/07/2018	4.20	316.31	22/10/2018	4.53	317.06
30/09/2017	2.64	313.68				13/07/2018	3.08	315.20	15/08/2018	4.34	316.17	16/11/2018	4.75	316.84
30/10/2017	2.25	314.07				15/08/2018	3.17	315.11	19/09/2018	4.54	315.97	14/12/2018	4.74	316.85
30/11/2017	2.17	314.15				19/09/2018	3.37	314.91	22/10/2018	4.80	315.71	4/02/2019	2.97	318.62
31/12/2017	2.26	314.06				22/10/2018	3.48	314.80	16/11/2018	5.31	315.20	3/03/2019	3.32	318.27
27/01/2018	2.28	314.04				16/11/2018	4.04	314.24	14/12/2018	5.27	315.24	30/03/2019	3.78	317.81
22/02/2018	2.15	314.17				14/12/2018	3.99	314.29	4/02/2019	4.28	316.23	28/04/2019	11.45	310.14
20/03/2018	2.22	314.10				4/02/2019	3.47	314.81	3/03/2019	4.40	316.11	31/05/2019	6.07	315.52
25/04/2018	2.40	313.92				3/03/2019	3.56	314.72	30/03/2019	4.59	315.92	30/06/2019	6.83	314.76

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB30	SMWB30 mbrp	SMWB30 mAHD	SMWB32	SMWB32 mbrp	SMWB32 mAHD	SMWB34	SMWB34 mbrp	SMWB34 mAHD	SMWB35	SMWB35 mbrp	SMWB35 mAHD	SMWB36	SMWB36 mbrp	SMWB36 mAHD
		316.32			**324.66**			**318.28**			**320.51**			**321.59**
22/05/2018	2.39	313.93				30/03/2019	3.68	314.60	28/04/2019	10.30	310.21	31/07/2019	7.52	314.07
16/06/2018	2.38	313.94				28/04/2019	5.76	312.52	31/05/2019	10.38	310.13	29/08/2019	8.02	313.57
13/07/2018	2.39	313.93				31/05/2019	6.38	311.90	30/06/2019	11.87	308.64	25/09/2019	8.32	313.27
15/08/2018	2.48	313.84				30/06/2019	7.19	311.09	22/07/2019	11.90	308.61	13/10/2019	8.76	312.83
19/09/2018	2.70	313.62				22/07/2019	7.90	310.38	22/07/2019	11.90	308.61	25/01/2020	9.16	312.43
22/10/2018	2.82	313.50				31/07/2019	8.26	310.02	31/07/2019	11.05	309.46	29/02/2020	5.28	316.31
16/11/2018	2.96	313.36				16/08/2019	8.41	309.87	16/08/2019	10.22	310.29	30/03/2020	5.57	316.02
3/03/2019	2.42	313.90				29/08/2019	8.33	309.95	29/08/2019	10.75	309.76	30/04/2020	5.42	316.17
31/05/2019	3.95	312.37				13/09/2019	8.50	309.78	13/09/2019	10.15	310.36	26/05/2020	5.68	315.91
29/08/2019	7.61	308.71				25/09/2019	8.38	309.90	25/09/2019	10.02	310.49	25/06/2020	5.82	315.77
25/09/2019	7.73	308.59				13/10/2019	8.85	309.43	13/10/2019	11.91	308.60	25/08/2020	6.27	315.32
22/10/2019	6.54	309.78				23/10/2019	8.60	309.68	23/10/2019	11.61	308.90	24/09/2020	6.55	315.04
29/02/2020	2.71	313.61				8/11/2019	7.72	310.56	8/11/2019	10.98	309.53	20/10/2020	6.82	314.77
26/05/2020	3.80	312.52				27/12/2019	9.69	308.59	27/12/2019	11.93	308.58	27/11/2020	7.12	314.47
24/09/2020	4.63	311.69				25/01/2020	6.21	312.07	25/01/2020	11.21	309.30	12/01/2021	6.00	315.59
27/11/2020	4.31	312.01				8/02/2020	5.57	312.71	8/02/2020	10.08	310.43	27/02/2021	3.07	318.52
27/02/2021	1.96	314.36				29/02/2020	4.52	313.76	29/02/2020	6.17	314.34	31/03/2021	2.59	319.00
24/05/2021	2.44	313.88				5/03/2020	4.12	314.16	5/03/2020	5.32	315.19	25/04/2021	2.86	318.73
20/08/2021	3.03	313.29				30/03/2020	4.71	313.57	30/03/2020	6.45	314.06	24/05/2021	3.67	317.92
4/02/2022	2.01	314.31				30/04/2020	4.50	313.78	30/04/2020	6.35	314.16	27/06/2021	3.72	317.87
2/05/2022	3.32	313.00				26/05/2020	4.60	313.68	26/05/2020	6.31	314.20	24/07/2021	4.04	317.55
19/08/2022	5.58	310.74				25/06/2020	4.45	313.83	25/06/2020	5.88	314.63	20/08/2021	4.39	317.20
18/11/2022	8.32	308.00				25/08/2020	4.86	313.42	25/08/2020	6.18	314.33	20/09/2021	4.75	316.84
23/10/2023	2.35	313.97				24/09/2020	5.20	313.08	24/09/2020	6.44	314.07	20/10/2021	6.06	315.53
15/05/2024	1.08	315.24				20/10/2020	5.37	312.91	20/10/2020	6.63	313.88	13/11/2021	6.69	314.90
30/08/2024	2.13	314.19				27/11/2020	5.41	312.87	27/11/2020	7.04	313.47	10/12/2021	7.65	313.94
30/08/2024	2.13	314.19				12/01/2021	3.84	314.44	12/01/2021	5.22	315.29	17/01/2022	7.78	313.81
28/02/2025	1.72	314.60				27/02/2021	2.90	315.38	27/02/2021	3.49	317.02	4/02/2022	3.01	318.58
21/05/2025	2.24	314.08				31/03/2021	2.89	315.39	31/03/2021	3.47	317.04	12/03/2022	1.96	319.63
						25/04/2021	3.06	315.22	25/04/2021	3.74	316.77	6/04/2022	2.14	319.45
						24/05/2021	3.09	315.19	24/05/2021	3.87	316.64	2/05/2022	2.45	319.14
						27/06/2021	3.15	315.13	27/06/2021	4.20	316.31	31/05/2022	3.38	318.21
						24/07/2021	3.75	314.53	24/07/2021	4.4	316.11	26/06/2022	4.32	317.27
						20/08/2021	3.64	314.64	20/08/2021	4.65	315.86	28/07/2022	4.95	316.64
						20/09/2021	3.88	314.40	20/09/2021	4.91	315.60	19/08/2022	5.62	315.97
						20/10/2021	5.69	312.59	20/10/2021	10.24	310.27	27/09/2022	6.62	314.97
						13/11/2021	5.76	312.52	13/11/2021	9.68	310.83	19/10/2022	6.96	314.63
						10/12/2021	7.36	310.92	10/12/2021	11.93	308.58	18/11/2022	7.67	313.92
						17/01/2022	8.33	309.95	17/01/2022	10.83	309.68	11/12/2022	5.82	315.77
						4/02/2022	3.43	314.85	4/02/2022	4.35	316.16	12/01/2023	2.34	319.25
						12/03/2022	3.38	314.90	12/03/2022	3.95	316.56	3/02/2023	1.15	320.44
						6/04/2022	3.55	314.73	6/04/2022	4.17	316.34	6/03/2023	0.67	320.92
						2/05/2022	3.77	314.51	2/05/2022	4.38	316.13	3/04/2023	0.80	320.79
						31/05/2022	4.47	313.81	31/05/2022	7.35	313.16	2/05/2023	0.98	320.61
						26/06/2022	5.95	312.33	26/06/2022	9.93	310.58	4/06/2023	1.34	320.25
						28/07/2022	6.78	311.50	28/07/2022	9.40	311.11	24/06/2023	1.43	320.16
						19/08/2022	7.84	310.44	19/08/2022	11.33	309.18	21/07/2023	1.31	320.28
						27/09/2022	6.53	311.75	27/09/2022	11.94	308.57	30/08/2023	1.45	320.14
						19/10/2022	6.73	311.55	19/10/2022	11.25	309.26	26/09/2023	1.74	319.85
						18/11/2022	6.79	311.49	23/11/2022	10.61	309.90	23/10/2023	2.04	319.55
						11/12/2022	5.08	313.20	11/12/2022	6.74	313.77	22/11/2023	2.2	319.39
						12/01/2023	3.13	315.15	12/01/2023	3.50	317.01	14/12/2023	2.35	319.24
						3/02/2023	2.54	315.74	3/02/2023	2.87	317.64	7/01/2024	2.04	319.55
						6/03/2023	2.10	316.18	6/03/2023	2.57	317.94	22/03/2024	4.54	317.05
						3/04/2023	2.21	316.07	3/04/2023	4.11	316.40	16/04/2024	4.75	316.84
						2/05/2023	2.32	315.96	2/05/2023	2.78	317.73	15/05/2024	4.87	316.72
						4/06/2023	2.41	315.87	4/06/2023	3.35	317.16	16/06/2024	1.07	320.52
						24/06/2023	2.48	315.80	24/06/2023	3.43	317.08	12/07/2024	1.21	320.38
						21/07/2023	2.45	315.83	21/07/2023	3.02	317.49	30/08/2024	1.47	320.12
						30/08/2023	3.01	315.27	30/08/2023	3.11	317.40	27/09/2024	1.53	320.06
						25/09/2023	3.1	315.18	25/09/2023	3.37	317.14	5/10/2024	1.62	319.97
						23/10/2023	2.81	315.47	23/10/2023	3.56	316.95	30/11/2024	1.63	319.96
						22/11/2023	2.76	315.52	22/11/2023	3.37	317.14	28/12/2024	1.64	319.95
						14/12/2023	2.74	315.54	14/12/2023	3.44	317.07	28/01/2025	1.61	319.98
						7/01/2024	2.54	315.74	7/01/2024	3.18	317.33	28/02/2025	1.04	320.55
						22/03/2024	1.68	316.60	22/03/2024	2.26	318.25	31/03/2025	1	320.59
						16/04/2024	1.86	316.42	16/04/2024	2.51	318.00	24/04/2025	1.38	320.21
						15/05/2024	2.02	316.26	15/05/2024	2.62	317.89	21/05/2025	1.71	319.88
						16/06/2024	2.21	316.07	16/06/2024	2.79	317.72	22/06/2025	1.75	319.84
						12/07/2024	2.33	315.95	12/07/2024	2.89	317.62			
						30/08/2024	2.54	315.74	30/08/2024	3.07	317.44			
						27/09/2024	2.57	315.71	27/09/2024	3.11	317.40			
						5/10/2024	2.59	315.69	5/10/2024	3.15	317.36			
						30/11/2024	2.54	315.74	30/11/2024	3.07	317.44			
						28/12/2024	2.51	315.77	28/12/2024	3.12	317.39			
						28/01/2025	2.5	315.78	28/01/2025	3.02	317.49			
						28/02/2025	2.27	316.01	28/02/2025	2.76	317.75			
						31/03/2025	2.26	316.02	31/03/2025	2.75	317.76			
						24/04/2025	2.47	315.81	24/04/2025	2.99	317.52			
						21/05/2025	2.6	315.68	21/05/2025	3.16	317.35			
						22/06/2025	2.58	315.70	22/06/2025	3.16	317.35			

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB30	SMWB30 mbrp	SMWB30 mAHD	SMWB32	SMWB32 mbrp	SMWB32 mAHD	SMWB34	SMWB34 mbrp	SMWB34 mAHD	SMWB35	SMWB35 mbrp	SMWB35 mAHD	SMWB36	SMWB36 mbrp	SMWB36 mAHD
		316.32			324.66			318.28			320.51			321.59

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB37	SMWB37 mbrp	SMWB37 mAHD	SMWB38	SMWB38 mbrp	SMWB38 mAHD	SMWB39	SMWB39 mbrp	SMWB39 mAHD	SMWB40	SMWB40 mbrp	SMWB40 mAHD
		311.90			**308.58**			**309.58**			**310.21**
3/12/2003	4.82	307.08	3/12/2003	5.42	303.16	21/09/2003	3.83	305.75	21/09/2003	4.82	305.39
4/10/2004	6.00	305.90	12/03/2004	3.05	305.53	3/12/2003	3.81	305.77	3/12/2003	4.84	305.37
10/11/2004	4.80	307.10	16/05/2004	3.85	304.73	12/03/2004	1.55	308.03	31/08/2004	5.00	305.21
19/12/2004	4.50	307.40	24/06/2004	4.12	304.46	16/05/2004	2.82	306.76	4/10/2004	5.70	304.51
13/01/2005	4.10	307.80	31/08/2004	5.50	303.08	24/06/2004	3.20	306.38	10/11/2004	4.80	305.41
18/02/2005	4.20	307.70	4/10/2004	5.95	302.63	31/08/2004	3.50	306.08	19/12/2004	4.40	305.81
12/03/2005	4.30	307.60	10/11/2004	5.10	303.48	4/10/2004	3.90	305.68	13/01/2005	4.00	306.21
16/04/2005	5.50	306.40	19/12/2004	4.70	303.88	10/11/2004	3.95	305.63	18/02/2005	4.10	306.11
13/05/2005	6.50	305.40	13/01/2005	4.30	304.28	19/12/2004	3.30	306.28	12/03/2005	4.20	306.01
21/06/2005	5.10	306.80	18/02/2005	4.50	304.08	13/01/2005	3.00	306.58	16/04/2005	4.30	305.91
16/07/2005	5.70	306.20	12/03/2005	4.60	303.98	18/02/2005	3.10	306.48	13/05/2005	4.80	305.41
20/08/2005	6.10	305.80	16/04/2005	5.40	303.18	12/03/2005	2.90	306.68	21/06/2005	5.00	305.21
19/09/2005	5.90	306.00	13/05/2005	6.40	302.18	16/04/2005	3.30	306.28	16/07/2005	5.40	304.81
22/10/2005	7.20	304.70	21/06/2005	5.40	303.18	13/05/2005	3.90	305.68	20/08/2005	5.90	304.31
30/11/2005	7.75	304.15	16/07/2005	6.80	301.78	21/06/2005	4.00	305.58	19/09/2005	6.20	304.01
22/12/2005	7.80	304.10	20/08/2005	6.80	301.78	16/07/2005	4.50	305.08	22/10/2005	6.00	304.21
12/01/2006	6.50	305.40	19/09/2005	8.80	299.78	20/08/2005	4.90	304.68	22/12/2005	7.00	303.21
20/02/2006	2.60	309.30	22/10/2005	8.70	299.88	19/09/2005	5.10	304.48	12/01/2006	5.10	305.11
7/03/2006	3.70	308.20	30/11/2005	7.80	300.78	22/10/2005	5.10	304.48	20/02/2006	3.00	307.21
5/04/2006	2.30	309.60	22/12/2005	5.80	302.78	30/11/2005	5.70	303.88	7/03/2006	2.80	307.41
17/05/2006	3.50	308.40	12/01/2006	5.00	303.58	22/12/2005	5.80	303.78	5/04/2006	2.30	307.91
7/06/2006	3.70	308.20	20/02/2006	5.10	303.48	12/01/2006	4.30	305.28	17/05/2006	3.20	307.01
21/07/2006	3.80	308.10	7/03/2006	4.80	303.78	20/02/2006	1.80	307.78	7/06/2006	3.30	306.91
12/08/2006	3.80	308.10	5/04/2006	4.20	304.38	7/03/2006	3.00	306.58	21/07/2006	3.50	306.71
15/09/2006	4.20	307.70	17/05/2006	5.00	303.58	5/04/2006	1.10	308.48	12/08/2006	3.50	306.71
12/10/2006	5.60	306.30	7/06/2006	5.30	303.28	17/05/2006	2.20	307.38	15/09/2006	5.30	304.91
20/11/2006	7.30	304.60	21/07/2006	7.60	300.98	7/06/2006	2.20	307.38	12/10/2006	4.30	305.91
14/12/2006	7.90	304.00	12/08/2006	5.50	303.08	21/07/2006	2.50	307.08	20/11/2006	6.60	303.61
20/01/2007	7.17	304.73	15/09/2006	5.70	302.88	12/08/2006	2.20	307.38	14/12/2006	5.90	304.31
16/02/2007	6.90	305.00	12/10/2006	6.00	302.58	15/09/2006	3.40	306.18	20/01/2007	4.49	305.72
30/03/2007	3.66	308.24	20/11/2006	4.60	303.98	12/10/2006	3.50	306.08	16/02/2007	4.49	305.72
30/04/2007	5.82	306.08	14/12/2006	4.90	303.68	20/11/2006	5.00	304.58	30/03/2007	2.62	307.59
27/05/2007	4.15	307.75	20/01/2007	4.24	304.34	14/12/2006	5.70	303.88	30/04/2007	5.25	304.96
30/06/2007	4.03	307.87	16/02/2007	4.27	304.31	20/01/2007	3.60	305.98	27/05/2007	3.10	307.11
21/07/2007	4.08	307.82	30/03/2007	3.59	304.99	16/02/2007	3.80	305.78	30/06/2007	3.83	306.38
30/08/2007	4.29	307.61	30/04/2007	5.20	303.38	30/03/2007	1.34	308.24	21/07/2007	3.86	306.35
21/09/2007	5.83	306.07	27/05/2007	5.30	303.28	30/04/2007	3.50	306.08	30/08/2007	4.13	306.08
16/10/2007	5.32	306.58	30/06/2007	5.42	303.16	27/05/2007	2.90	306.68	21/09/2007	5.94	304.27
7/11/2007	5.02	306.88	21/07/2007	5.62	302.96	30/06/2007	2.75	306.83	16/10/2007	6.98	303.23
15/12/2007	4.44	307.46	30/08/2007	5.92	302.66	21/07/2007	2.84	306.74	7/11/2007	5.52	304.69
2/01/2008	4.26	307.64	21/09/2007	5.79	302.79	30/08/2007	4.00	305.58	15/12/2007	4.46	305.75
3/02/2008	4.22	307.68	16/10/2007	6.59	301.99	21/09/2007	4.60	304.98	2/01/2008	5.31	304.90
3/03/2008	3.42	308.48	7/11/2007	5.60	302.98	16/10/2007	5.06	304.52	3/02/2008	5.55	304.66
9/04/2008	3.98	307.92	15/12/2007	6.16	302.42	7/11/2007	4.29	305.29	3/03/2008	2.31	307.90
10/05/2008	4.46	307.44	2/01/2008	5.98	302.60	15/12/2007	3.35	306.23	9/04/2008	4.91	305.30
4/06/2008	4.73	307.17	3/02/2008	4.37	304.21	2/01/2008	3.33	306.25	10/05/2008	5.96	304.25
14/07/2008	4.91	306.99	3/03/2008	3.88	304.70	3/02/2008	3.62	305.96	4/06/2008	5.29	304.92
2/08/2008	5.10	306.80	9/04/2008	4.16	304.42	3/03/2008	2.03	307.55	14/07/2008	6.87	303.34
19/09/2008	5.52	306.38	10/05/2008	4.66	303.92	9/04/2008	3.04	306.54	2/08/2008	6.97	303.24
18/10/2008	5.37	306.53	4/06/2008	4.89	303.69	10/05/2008	3.96	305.62	19/09/2008	6.97	303.24
16/11/2008	6.03	305.87	14/07/2008	5.21	303.37	4/06/2008	6.47	303.11	18/10/2008	6.75	303.46
12/12/2008	5.50	306.40	2/08/2008	5.36	303.22	14/07/2008	4.91	304.67	16/11/2008	6.71	303.50
9/01/2009	4.83	307.07	19/09/2008	5.81	302.77	2/08/2008	5.07	304.51	12/12/2008	5.78	304.43
7/02/2009	1.86	310.04	18/10/2008	6.36	302.22	19/09/2008	5.62	303.96	9/01/2009	4.85	305.36
7/03/2009	2.86	309.04	16/11/2008	7.99	300.59	18/10/2008	5.90	303.68	7/02/2009	1.17	309.04
2/04/2009	3.65	308.25	12/12/2008	6.87	301.71	16/11/2008	5.58	304.00	7/03/2009	2.71	307.50
3/05/2009	3.98	307.92	9/01/2009	5.28	303.30	12/12/2008	4.85	304.73	2/04/2009	3.19	307.02
1/06/2009	4.28	307.62	7/02/2009	2.63	305.95	9/01/2009	3.84	305.74	3/05/2009	3.54	306.67
1/07/2009	4.35	307.55	7/03/2009	2.26	306.32	7/02/2009	0.83	308.75	1/06/2009	3.63	306.58
1/07/2009	4.35	307.55	2/04/2009	3.75	304.83	7/03/2009	1.51	308.07	1/07/2009	3.75	306.46
26/08/2009	4.93	306.97	3/05/2009	4.12	304.46	2/04/2009	2.13	307.45	1/07/2009	3.75	306.46
26/09/2009	5.96	305.94	1/06/2009	4.24	304.34	3/05/2009	2.51	307.07	26/08/2009	4.12	306.09
19/10/2009	4.91	306.99	1/07/2009	4.35	304.23	1/06/2009	2.72	306.86	26/09/2009	4.54	305.67
9/11/2009	5.36	306.54	1/07/2009	4.35	304.23	1/07/2009	2.77	306.81	19/10/2009	6.08	304.13
8/12/2009	8.14	303.76	26/08/2009	4.55	304.03	1/07/2009	2.77	306.81	9/11/2009	4.75	305.46
17/01/2010	6.12	305.78	26/09/2009	4.83	303.75	26/08/2009	3.21	306.37	8/12/2009	7.25	302.96
9/02/2010	4.46	307.44	19/10/2009	5.03	303.55	26/09/2009	3.68	305.90	17/01/2010	5.43	304.78
7/03/2010	4.21	307.69	9/11/2009	5.13	303.45	19/10/2009	4.15	305.43	9/02/2010	4.04	306.17
3/04/2010	4.38	307.52	8/12/2009	5.32	303.26	9/11/2009	3.84	305.74	7/03/2010	3.96	306.25
1/05/2010	4.40	307.50	17/01/2010	5.04	303.54	8/12/2009	5.67	303.91	3/04/2010	4.12	306.09
3/06/2010	4.70	307.20	9/02/2010	4.40	304.18	17/01/2010	6.13	303.45	1/05/2010	4.14	306.07
1/07/2010	5.09	306.81	7/03/2010	4.36	304.22	9/02/2010	3.04	306.54	3/06/2010	6.14	304.07
1/07/2010	5.09	306.81	3/04/2010	4.52	304.06	7/03/2010	2.92	306.66	1/07/2010	5.10	305.11
21/08/2010	5.49	306.41	1/05/2010	4.61	303.97	3/04/2010	3.10	306.48	1/07/2010	5.10	305.11
20/09/2010	5.66	306.24	3/06/2010	6.17	302.41	1/05/2010	3.16	306.42	21/08/2010	5.21	305.00
16/10/2010	5.54	306.36	1/07/2010	4.93	303.65	3/06/2010	4.29	305.29	20/09/2010	5.44	304.77
13/11/2010	4.83	307.07	1/07/2010	4.93	303.65	1/07/2010	3.92	305.66	16/10/2010	5.13	305.08
11/12/2010	4.90	307.00	21/08/2010	5.40	303.18	1/07/2010	3.92	305.66	13/11/2010	4.66	305.55
13/01/2011	4.94	306.96	20/09/2010	5.63	302.95	21/08/2010	5.70	303.88	11/12/2010	4.62	305.59
4/02/2011	3.82	308.08	16/10/2010	5.51	303.07	20/09/2010	4.49	305.09	13/01/2011	4.53	305.68
10/03/2011	1.96	309.94	13/11/2010	5.72	302.86	16/10/2010	4.33	305.25	4/02/2011	3.41	306.80
27/04/2011	2.19	309.71	11/12/2010	5.04	303.54	13/11/2010	3.63	305.95	10/03/2011	2.10	308.11
20/05/2011	2.72	309.18	13/01/2011	4.81	303.77	11/12/2010	3.74	305.84	27/04/2011	2.29	307.92
6/06/2011	3.16	308.74	4/02/2011	4.07	304.51	13/01/2011	3.61	305.97	20/05/2011	2.68	307.53
18/07/2011	3.56	308.34	10/03/2011	2.96	305.62	4/02/2011	2.32	307.26	6/06/2011	2.97	307.24
1/08/2011	3.60	308.30	27/04/2011	2.99	305.59	10/03/2011	0.91	308.67	18/07/2011	3.22	306.99
17/09/2011	3.84	308.06	20/05/2011	3.26	305.32	27/04/2011	1.03	308.55	1/08/2011	3.24	306.97
14/10/2011	4.10	307.80	6/06/2011	3.58	305.00	20/05/2011	1.51	308.07	17/09/2011	3.45	306.76
8/11/2011	4.04	307.86	18/07/2011	3.80	304.78	6/06/2011	1.80	307.78	14/10/2011	3.68	306.53

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB37	SMWB37 mbrp	SMWB37 mAHD	SMWB38	SMWB38 mbrp	SMWB38 mAHD	SMWB39	SMWB39 mbrp	SMWB39 mAHD	SMWB40	SMWB40 mbrp	SMWB40 mAHD
		311.90			**308.58**			**309.58**			**310.21**
1/12/2011	3.91	307.99	1/08/2011	3.79	304.79	18/07/2011	2.13	307.45	8/11/2011	3.70	306.51
2/01/2012	3.95	307.95	17/09/2011	4.02	304.56	1/08/2011	2.16	307.42	1/12/2011	3.59	306.62
4/02/2012	3.88	308.02	14/10/2011	4.42	304.16	17/09/2011	2.44	307.14	2/01/2012	3.67	306.54
3/03/2012	3.24	308.66	8/11/2011	4.15	304.43	14/10/2011	2.94	306.64	4/02/2012	3.58	306.63
4/04/2012	3.24	308.66	1/12/2011	4.12	304.46	8/11/2011	2.66	306.92	3/03/2012	2.76	307.45
26/05/2012	3.84	308.06	2/01/2012	4.28	304.30	1/12/2011	2.51	307.07	4/04/2012	3.90	306.31
29/06/2012	3.90	308.00	4/02/2012	4.05	304.53	2/01/2012	2.60	306.98	26/05/2012	3.54	306.67
25/07/2012	4.00	307.90	3/03/2012	3.55	305.03	4/02/2012	2.51	307.07	29/06/2012	3.63	306.58
23/08/2012	4.10	307.80	4/04/2012	3.72	304.86	3/03/2012	1.63	307.95	25/07/2012	3.70	306.51
17/09/2012	4.21	307.69	26/05/2012	4.07	304.51	4/04/2012	1.89	307.69	23/08/2012	3.83	306.38
11/10/2012	4.16	307.74	29/06/2012	4.13	304.45	26/05/2012	2.45	307.13	17/09/2012	3.92	306.29
11/12/2012	4.47	307.43	25/07/2012	4.24	304.34	29/06/2012	2.54	307.04	11/10/2012	3.89	306.32
8/01/2013	4.13	307.77	23/08/2012	4.34	304.24	25/07/2012	2.69	306.89	11/12/2012	4.19	306.02
28/02/2013	4.84	307.06	17/09/2012	4.45	304.13	23/08/2012	2.73	306.85	8/01/2013	4.87	305.34
9/03/2013	3.84	308.06	11/10/2012	4.37	304.21	17/09/2012	2.86	306.72	28/02/2013	3.60	306.61
8/04/2013	4.10	307.80	11/12/2012	4.68	303.90	11/10/2012	2.81	306.77	9/03/2013	3.61	306.60
2/05/2013	4.22	307.68	8/01/2013	4.35	304.23	11/12/2012	3.16	306.42	8/04/2013	3.84	306.37
14/06/2013	4.66	307.24	28/02/2013	4.17	304.41	8/01/2013	2.81	306.77	2/05/2013	4.01	306.20
17/07/2013	4.78	307.12	9/03/2013	4.09	304.49	28/02/2013	2.45	307.13	14/06/2013	4.45	305.76
24/08/2013	5.02	306.88	8/04/2013	4.32	304.26	9/03/2013	2.50	307.08	24/08/2013	4.79	305.42
11/09/2013	5.14	306.76	2/05/2013	4.60	303.98	8/04/2013	2.76	306.82	11/11/2013	5.47	304.74
7/10/2013	5.38	306.52	14/06/2013	4.84	303.74	2/05/2013	3.09	306.49	18/12/2013	4.35	305.86
11/11/2013	5.63	306.27	17/07/2013	4.98	303.60	14/06/2013	3.35	306.23	6/01/2014	4.29	305.92
18/12/2013	4.59	307.31	24/08/2013	5.17	303.41	17/07/2013	3.52	306.06	2/02/2014	3.44	306.77
6/01/2014	3.25	308.65	11/09/2013	5.29	303.29	24/08/2013	3.78	305.80	9/03/2014	2.79	307.42
2/02/2014	3.62	308.28	7/10/2013	5.50	303.08	11/09/2013	3.90	305.68	24/04/2014	3.55	306.66
9/03/2014	2.82	309.08	11/11/2013	6.97	301.61	7/10/2013	4.17	305.41	5/05/2014	3.65	306.56
24/04/2014	3.82	308.08	18/12/2013	5.70	302.88	11/11/2013	4.45	305.13	9/06/2014	3.86	306.35
5/05/2014	4.95	306.95	6/01/2014	5.01	303.57	18/12/2013	3.45	306.13	1/07/2014	3.90	306.31
9/06/2014	4.14	307.76	2/02/2014	4.30	304.28	6/01/2014	4.50	305.08	1/07/2014	3.90	306.31
1/07/2014	4.20	307.70	9/03/2014	3.34	305.24	2/02/2014	2.30	307.28	1/08/2014	3.98	306.23
1/07/2014	4.20	307.70	24/04/2014	4.07	304.51	9/03/2014	1.50	308.08	29/09/2014	4.26	305.95
1/08/2014	4.27	307.63	5/05/2014	4.16	304.42	24/04/2014	2.46	307.12	31/10/2014	4.66	305.55
29/09/2014	4.54	307.36	9/06/2014	4.35	304.23	5/05/2014	2.57	307.01	24/11/2014	4.91	305.30
31/10/2014	4.89	307.01	1/07/2014	4.44	304.14	9/06/2014	2.82	306.76	12/12/2014	4.99	305.22
24/11/2014	5.12	306.78	1/07/2014	4.44	304.14	1/07/2014	2.84	306.74	26/01/2015	3.24	306.97
12/12/2014	5.24	306.66	1/08/2014	4.51	304.07	1/07/2014	2.84	306.74	25/02/2015	3.74	306.47
26/01/2015	354.00	-42.10	29/09/2014	4.83	303.75	1/08/2014	2.92	306.66	17/03/2015	4.53	305.68
25/02/2015	3.99	307.91	31/10/2014	5.32	303.26	29/09/2014	3.21	306.37	4/04/2015	4.85	305.36
17/03/2015	3.90	308.00	24/11/2014	6.51	302.07	31/10/2014	3.61	305.97	18/05/2015	4.90	305.31
4/04/2015	4.21	307.69	12/12/2014	5.75	302.83	24/11/2014	3.87	305.71	10/06/2015	5.92	304.29
18/05/2015	4.64	307.26	26/01/2015	4.44	304.14	12/12/2014	4.98	304.60	18/07/2015	7.10	303.11
10/06/2015	4.86	307.04	25/02/2015	4.99	303.59	26/01/2015	2.16	307.42	15/08/2015	6.80	303.41
18/07/2015	5.15	306.75	17/03/2015	4.41	304.17	25/02/2015	2.64	306.94	27/09/2015	7.84	302.37
15/08/2015	5.73	306.17	4/04/2015	4.57	304.01	17/03/2015	2.77	306.81	31/10/2015	8.27	301.94
27/09/2015	5.79	306.11	18/05/2015	5.95	302.63	4/04/2015	3.16	306.42	30/11/2015	8.64	301.57
31/10/2015	6.06	305.84	10/06/2015	6.64	301.94	18/05/2015	3.71	305.87	17/12/2015	8.00	302.21
30/11/2015	6.26	305.64	18/07/2015	6.70	301.88	10/06/2015	4.48	305.10	20/12/2015	7.09	303.12
26/12/2015	7.74	304.16	15/08/2015	6.26	302.32	18/07/2015	5.03	304.55	23/12/2015	6.45	303.76
31/01/2016	7.69	304.21	27/09/2015	6.60	301.98	15/08/2015	4.91	304.67	26/12/2015	6.12	304.09
8/03/2016	4.29	307.61	31/10/2015	8.11	300.47	27/09/2015	5.76	303.82	29/12/2015	6.57	303.64
26/03/2016	4.07	307.83	30/11/2015	8.58	300.00	31/10/2015	6.05	303.53	31/01/2016	4.99	305.22
21/04/2016	4.49	307.41	17/12/2015	8.83	299.75	30/11/2015	6.26	303.32	8/03/2016	5.60	304.61
17/05/2016	4.30	307.60	20/12/2015	8.85	299.73	26/12/2015	5.27	304.31	26/03/2016	3.97	306.24
16/06/2016	4.65	307.25	23/12/2015	8.37	300.21	31/01/2016	3.93	305.65	21/04/2016	4.40	305.81
11/07/2016	4.91	306.99	26/12/2015	8.06	300.52	8/03/2016	3.70	305.88	17/05/2016	4.12	306.09
9/08/2016	5.21	306.69	29/12/2015	7.85	300.73	26/03/2016	2.91	306.67	16/06/2016	4.55	305.66
12/09/2016	5.62	306.28	31/01/2016	6.69	301.89	21/04/2016	3.34	306.24	11/07/2016	4.83	305.38
30/11/2016	5.79	306.11	8/03/2016	5.95	302.63	17/05/2016	3.06	306.52	9/08/2016	5.12	305.09
27/03/2017	2.20	309.70	26/03/2016	4.56	304.02	16/06/2016	3.49	306.09	12/09/2016	5.51	304.70
17/06/2017	3.63	308.27	21/04/2016	6.26	302.32	11/07/2016	3.79	305.79	30/11/2016	5.62	304.59
15/07/2017	3.78	308.12	17/05/2016	4.79	303.79	9/08/2016	4.09	305.49	27/03/2017	2.24	307.97
10/08/2017	3.90	308.00	16/06/2016	5.06	303.52	12/09/2016	4.53	305.05	17/06/2017	3.24	306.97
30/09/2017	4.17	307.73	11/07/2016	5.28	303.30	30/11/2016	4.70	304.88	15/07/2017	3.37	306.84
30/10/2017	3.89	308.01	9/08/2016	5.52	303.06	27/03/2017	1.02	308.56	10/08/2017	3.51	306.70
30/11/2017	3.75	308.15	12/09/2016	5.84	302.74	17/06/2017	2.18	307.40	30/09/2017	3.81	306.40
31/12/2017	3.87	308.03	31/10/2016	6.35	302.23	15/07/2017	2.32	307.26	30/10/2017	3.73	306.48
27/01/2018	3.88	308.02	30/11/2016	5.87	302.71	10/08/2017	2.46	307.12	30/11/2017	3.54	306.67
22/02/2018	3.61	308.29	21/12/2016	4.52	304.06	30/09/2017	2.77	306.81	31/12/2017	3.72	306.49
20/03/2018	3.81	308.09	30/01/2017	2.68	305.90	30/10/2017	2.68	306.90	27/01/2018	3.73	306.48
25/04/2018	4.20	307.70	27/03/2017	3.25	305.33	30/11/2017	2.52	307.06	22/02/2018	3.53	306.68
22/05/2018	4.40	307.50	21/04/2017	3.37	305.21	31/12/2017	2.68	306.90	20/03/2018	3.82	306.39
16/06/2018	4.56	307.34	24/05/2017	4.06	304.52	27/01/2018	2.69	306.89	25/04/2018	4.15	306.06
13/07/2018	4.82	307.08	17/06/2017	3.83	304.75	22/02/2018	2.46	307.12	22/05/2018	4.54	305.67
15/08/2018	5.01	306.89	15/07/2017	4.21	304.37	20/03/2018	2.60	306.98	16/06/2018	4.72	305.49
19/09/2018	5.22	306.68	10/08/2017	3.97	304.61	25/04/2018	3.09	306.49	13/07/2018	5.36	304.85
22/10/2018	5.54	306.36	30/09/2017	4.26	304.32	22/05/2018	4.50	305.08	15/08/2018	5.43	304.78
16/11/2018	5.69	306.21	30/10/2017	4.19	304.39	16/06/2018	3.80	305.78	19/09/2018	5.50	304.71
14/12/2018	5.59	306.31	30/11/2017	4.10	304.48	13/07/2018	3.85	305.73	22/10/2018	5.63	304.58
4/02/2019	3.55	308.35	31/12/2017	4.22	304.36	15/08/2018	3.95	305.63	16/11/2018	5.89	304.32
3/03/2019	3.97	307.93	27/01/2018	4.15	304.43	19/09/2018	4.33	305.25	14/12/2018	6.18	304.03
30/03/2019	4.34	307.56	22/02/2018	3.98	304.60	22/10/2018	4.63	304.95	4/02/2019	4.45	305.76
28/04/2019	5.03	306.87	20/03/2018	4.32	304.26	16/11/2018	4.87	304.71	3/03/2019	5.58	304.63
31/05/2019	5.34	306.56	25/04/2018	4.57	304.01	14/12/2018	5.07	304.51	30/03/2019	6.06	304.15
31/07/2019	7.41	304.49	22/05/2018	4.65	303.93	3/03/2019	3.55	306.03	28/04/2019	7.24	302.97
29/08/2019	7.61	304.29	16/06/2018	4.73	303.85	31/05/2019	5.51	304.07	31/05/2019	7.53	302.68
25/09/2019	6.56	305.34	13/07/2018	5.01	303.57	30/06/2019	5.24	304.34	30/06/2019	6.37	303.84
13/10/2019	7.34	304.56	15/08/2018	5.92	302.66	25/09/2019	6.21	303.37	22/07/2019	8.20	302.01
27/12/2019	11.48	300.42	19/09/2018	6.50	302.08	13/10/2019	6.92	302.66	31/07/2019	6.94	303.27

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB37	SMWB37 mbrp	SMWB37 mAHD	SMWB38	SMWB38 mbrp	SMWB38 mAHD	SMWB39	SMWB39 mbrp	SMWB39 mAHD	SMWB40	SMWB40 mbrp	SMWB40 mAHD
		311.90			**308.58**			**309.58**			**310.21**
25/01/2020	6.92	304.98	22/10/2018	6.81	301.77	26/05/2020	4.21	305.37	16/08/2019	6.91	303.30
29/02/2020	5.97	305.93	16/11/2018	7.89	300.69	24/09/2020	5.80	303.78	29/08/2019	7.05	303.16
30/03/2020	4.26	307.64	14/12/2018	6.73	301.85	27/11/2020	6.20	303.38	13/09/2019	7.36	302.85
30/04/2020	4.69	307.21	4/02/2019	5.47	303.11	27/02/2021	1.90	307.68	25/09/2019	8.35	301.86
26/05/2020	5.00	306.90	3/03/2019	5.87	302.71	31/03/2021	2.13	307.45	13/10/2019	9.21	301.00
25/06/2020	5.45	306.45	30/03/2019	5.92	302.66	24/05/2021	3.08	306.50	23/10/2019	9.22	300.99
25/08/2020	6.17	305.73	28/04/2019	7.13	301.45	20/08/2021	4.32	305.26	8/11/2019	7.98	302.23
24/09/2020	6.50	305.40	31/05/2019	6.26	302.32	4/02/2022	1.41	308.17	27/12/2019	8.18	302.03
20/10/2020	6.75	305.15	30/06/2019	7.95	300.63	2/05/2022	2.89	306.69	25/01/2020	6.38	303.83
27/11/2020	6.60	305.30	22/07/2019	8.38	300.20	19/08/2022	4.37	305.21	8/02/2020	4.50	305.71
12/01/2021	5.07	306.83	31/07/2019	8.61	299.97	18/11/2022	5.37	304.21	29/02/2020	4.29	305.92
27/02/2021	3.01	308.89	16/08/2019	8.76	299.82	3/02/2023	1.34	308.24	5/03/2020	4.18	306.03
31/03/2021	3.22	308.68	29/08/2019	8.63	299.95	2/05/2023	1.44	308.14	30/03/2020	4.40	305.81
25/04/2021	3.69	308.21	13/09/2019	9.05	299.53	21/07/2023	1.84	307.74	30/04/2020	4.74	305.47
24/05/2021	4.16	307.74	25/09/2019	8.85	299.73	24/10/2023	2.56	307.02	26/05/2020	5.24	304.97
27/06/2021	4.61	307.29	13/10/2019	9.22	299.36	15/05/2024	1.49	308.09	25/06/2020	5.67	304.54
24/07/2021	4.94	306.96	23/10/2019	9.22	299.36	30/08/2024	2.31	307.27	25/08/2020	7.36	302.85
20/08/2021	5.31	306.59	8/11/2019	9.22	299.36	28/02/2025	1.6	307.98	24/09/2020	6.77	303.44
20/09/2021	5.72	306.18	25/01/2020	6.40	302.18	21/05/2025	2.37	307.21	20/10/2020	7.03	303.18
20/10/2021	6.18	305.72	8/02/2020	5.28	303.30				27/11/2020	7.32	302.89
13/11/2021	6.18	305.72	29/02/2020	4.72	303.86				12/01/2021	5.13	305.08
10/12/2021	6.01	305.89	5/03/2020	5.14	303.44				27/02/2021	3.04	307.17
17/01/2022	5.23	306.67	30/03/2020	4.77	303.81				31/03/2021	3.23	306.98
4/02/2022	2.53	309.37	30/04/2020	5.32	303.26				25/04/2021	3.67	306.54
12/03/2022	3.25	308.65	26/05/2020	5.57	303.01				24/05/2021	4.11	306.10
6/04/2022	3.73	308.17	25/06/2020	6.03	302.55				27/06/2021	4.56	305.65
2/05/2022	4.02	307.88	25/08/2020	6.81	301.77				24/07/2021	4.91	305.30
31/05/2022	4.54	307.36	24/09/2020	6.79	301.79				20/08/2021	5.28	304.93
28/06/2022	4.86	307.04	20/10/2020	7.01	301.57				20/09/2021	5.7	304.51
28/07/2022	5.21	306.69	27/11/2020	7.51	301.07				20/10/2021	6.18	304.03
19/08/2022	5.47	306.43	12/01/2021	5.26	303.32				13/11/2021	6.11	304.10
27/09/2022	5.97	305.93	27/02/2021	3.62	304.96				10/12/2021	5.95	304.26
18/10/2022	6.12	305.78	31/03/2021	3.64	304.94				17/01/2022	5.2	305.01
18/11/2022	6.19	305.71	25/04/2021	4.03	304.55				4/02/2022	2.6	307.61
11/12/2022	4.44	307.46	24/05/2021	4.39	304.19				12/03/2022	3.19	307.02
12/01/2023	2.76	309.14	27/06/2021	4.74	303.84				6/04/2022	3.61	306.60
3/02/2023	2.57	309.33	24/07/2021	5	303.58				2/05/2022	3.91	306.30
6/03/2023	1.79	310.11	20/08/2021	5.31	303.27				31/05/2022	4.4	305.81
3/04/2023	2.58	309.32	20/10/2021	6.13	302.45				28/06/2022	4.68	305.53
2/05/2023	2.67	309.23	13/11/2021	5.92	302.66				28/07/2022	4.99	305.22
4/06/2023	3.16	308.74	10/12/2021	5.96	302.62				19/08/2022	5.32	304.89
24/06/2023	3.30	308.60	17/01/2022	5.24	303.34				27/09/2022	5.79	304.42
21/07/2023	3.17	308.73	4/02/2022	3.32	305.26				18/10/2022	5.95	304.26
20/08/2023	3.42	308.48	12/03/2022	3.7	304.88				18/11/2022	6.07	304.14
25/09/2023	3.66	308.24	6/04/2022	4.03	304.55				11/12/2022	4.26	305.95
24/10/2023	3.84	308.06	2/05/2022	4.26	304.32				12/01/2023	2.88	307.33
22/11/2023	3.96	307.94	31/05/2022	4.63	303.95				3/02/2023	2.51	307.70
14/12/2023	4.01	307.89	28/06/2022	4.82	303.76				6/03/2023	2.03	308.18
7/01/2024	3.87	308.03	28/07/2022	5.03	303.55				3/04/2023	2.52	307.69
22/03/2024	2.58	309.32	19/08/2022	5.75	302.83				2/05/2023	2.61	307.60
16/04/2024	2.71	309.19	27/09/2022	5.77	302.81				4/06/2023	2.95	307.26
15/05/2024	2.73	309.17	18/10/2022	6.97	301.61				24/06/2023	3.07	307.14
16/06/2024	4.11	307.79	18/11/2022	7.39	301.19				21/07/2023	2.92	307.29
12/07/2024	3.22	308.68	11/12/2022	5.79	302.79				20/08/2023	3.23	306.98
30/08/2024	3.56	308.34	12/01/2023	4.45	304.13				25/09/2023	3.44	306.77
27/09/2024	3.58	308.32	3/02/2023	3.51	305.07				24/10/2023	3.59	306.62
5/10/2024	3.6	308.30	6/03/2023	2.75	305.83				22/11/2023	3.71	306.50
30/11/2024	3.55	308.35	3/04/2023	3.14	305.44				14/12/2023	5.01	305.20
28/12/2024	3.56	308.34	2/05/2023	3.49	305.09				7/01/2024	4.88	305.33
28/01/2025	3.51	308.39	4/06/2023	4.25	304.33				22/03/2024	2.5	307.71
28/02/2025	2.78	309.12	24/06/2023	4.40	304.18				16/04/2024	2.61	307.60
31/03/2025	2.76	309.14	21/07/2023	3.46	305.12				15/05/2024	2.65	307.56
24/04/2025	3.31	308.59	20/08/2023	4.46	304.12				16/06/2024	2.87	307.34
21/05/2025	3.58	308.32	25/09/2023	3.96	304.62				12/07/2024	3.02	307.19
22/06/2025	3.51	308.39	24/10/2023	4.06	304.52				30/08/2024	3.39	306.82
			22/11/2023	5.12	303.46				27/09/2024	3.42	306.79
			14/12/2023	5.37	303.21				5/10/2024	3.45	306.76
			7/01/2024	5.26	303.32				30/11/2024	3.41	306.80
			22/03/2024	3.72	304.86				28/12/2024	3.39	306.82
			16/04/2024	3.81	304.77				28/01/2025	3.37	306.84
			15/05/2024	3.89	304.69				28/02/2025	2.8	307.41
			16/06/2024	4.31	304.27				31/03/2025	2.72	307.49
			12/07/2024	4.59	303.99				24/04/2025	3.23	306.98
			30/08/2024	4.68	303.90				22/06/2025	3.29	306.92
			27/09/2024	4.74	303.84						
			5/10/2024	4.1	304.48						
			30/11/2024	4.26	304.32						
			28/12/2024	4.59	303.99						
			28/01/2025	4.71	303.87						
			28/02/2025	4.17	304.41						
			31/03/2025	4.22	304.36						
			24/04/2025	4.58	304.00						
			21/05/2025	4.88	303.70						
			22/06/2025	3.9	304.68						

Appendix D.2 Groundwater level monitoring data (SMWB-SMPB series bores)

SMWB37	SMWB37 mbrp	SMWB37 mAHD	SMWB38	SMWB38 mbrp	SMWB38 mAHD	SMWB39	SMWB39 mbrp	SMWB39 mAHD	SMWB40	SMWB40 mbrp	SMWB40 mAHD
		311.90			308.58			309.58			310.21

Appendix E

Groundwater Quality Data

Appendix E - Groundwater Quality Data 2018-2025

Production Bore
Monitoring Bore

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMMB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
PARPMB01	16-Sep-18	2,513	6.94	1,630	310	-	1,400	58	11	240	190	27	310	< 5	1,300	9	< 0.01	< 0.02	1	0	<0.1	29
PARPMB01	19-Dec-18	1,482	7.08	962	410	-	1,300	63	8	250	160	33	410	< 5	420	5	< 0.01	0	0	1	<0.1	24
PARPMB01	13-Mar-19	2,539	6.81	1,651	270	-	1,500	73	13	300	180	25	270	< 5	1,300	6	< 0.01	< 0.02	0	0	<0.1	25
PARPMB01	04-Jul-19	1,159	7.33	670	490	28	590	48	9	95	86	34	-	-	120	3	-	< 0.02	-	-	< 0.1600	23
PARPMB01	16-Dec-19	2,420	6.96	2,200	280	43	1,800	76	8	280	260	26	-	-	1,300	4	-	< 0.02	-	-	< 0.1600	25
PARPMB01	27-Apr-20	2,362	6.89	1,534	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
PARPMB01	11-May-20	-		2,200	200	48	1,500	80	11	280	190	25	-	-	1,200	8	-	0	-	-	< 0.1600	25
PARPMB01	22-Jun-20	2,509	7.01	2,100	270	29	1,700	76	12	370	200	67	-	-	1,400	7	-	0	-	-	< 0.1600	25
PARPMB01	21-Sep-20	-		2,900	290	50	-	68	13	250	220	27	-	-	1,400	-	-	< 0.02	-	-	< 0.1600	28
PARPMB01	24-Nov-20	-		2,200	290	52	-	65	12	310	210	30	-	-	1,300	-	-	0	-	-	< 0.1600	28
PARPMB01	28-Mar-21	-		1,400	330	57	-	53	9	210	99	30	-	-	630	-	-	0	-	-	< 0.1600	37
PARPMB01	25-Jun-21	-		2,000	290	40	-	75	8	250	180	26	-	-	1,200	-	-	< 0.01	-	-	<0.3700	35
PARPMB01	24-Aug-21	2,659	7.10	2,200	250	30	-	67	15	200	120	26	-	-	1,100	9	-	< 0.02	-	-	< 0.1600	31
PARPMB01	15-Nov-21	2,172	7.25	2,000	360	27	-	67	12	200	110	30	360	< 5	960	9	-	< 0.02	-	-	<1.4300	130
PARPMB01	06-Feb-22	1,780	6.90	1,400	390	16	-	78	5	190	120	32	390	< 5	450	6	-	0	-	-	< 0.16	34
PARPMB01	03-May-22	2,357	6.92	1,700	340	20	-	90	10	220	140	85	340	< 5	1,400	9	-	< 0.02	-	-	1	30
PARPMB01	26-Aug-22	3,007	7.03	2,400	310	-	-	80	8	290	220	28	310	< 5	1,600	9	-	< 0.02	-	-	<0.3900	-
PARPMB01	12-Dec-22	2,055	7.08	1,500	340	-	1,000	71	6	210	120	28	340	< 5	770	6	-	< 0.02	-	-	<0.3900	30
PARPMB01	07-Feb-23	1,638	6.94	1,200	410	-	760	85	6	140	100	28	410	< 5	510	3	-	0	-	-	<0.3900	33
PARPMB01	02-May-23	1,892	7.01	1,200	330	-	1,300	79	7	280	140	17	330	< 5	920	5	-	< 0.02	-	-	<0.3900	29
PARPMB01	24-Jul-23	-	-	2,200	330	15	1,500	82	8	270	170	24	330	< 5	1,300	5	-	0	-	-	-	29
PARPMB01	18-Nov-23	-	-	1,700	350	30	-	120	10	400	270	42	350	< 5	1,700	6	< 0.01	< 0.02	< 0.2	0	-	25
PARPMB01	23-Jun-24	-	-	1,700	280	19	-	85	7	410	190	19	280	< 5	1,700	2	-	< 0.02	-	-	-	-
PARPMB01	26-Dec-24	2,672	6.89	1,600	360	14		78	7	310	190	20	360	< 5	1,400	7		< 0.02				8
PARPMB01	26-Mar-25	2,747	7.01	1,600	340	20		76	8	280	180	19	340	< 5	1,600	5		< 0.02				7
PARPMB01	12-Jun-25	2,637	7.04	2,300	330	26		79	8	290	190	28	330	< 5	1,300	6		< 0.02				7
SMMB01	16-Sep-18	3,125	7.02	2,035	280	-	2,000	93	14	330	290	23	280	< 5	1,900	0	0	< 0.02	<0.2	0	<0.1	36
SMMB01	17-Dec-18	3,543	6.70	2,243	250	-	2,200	97	10	360	310	26	250	< 5	2,300	0	< 0.01	0	<0.2	0	<0.1	25
SMMB01	19-Dec-18	-			250	-	2,100	87	9	380	290	28	250	< 5	2,200	0	0	0	<0.2	0	-	25
SMMB01	10-Mar-19	3,609	6.75	2,347	260	-	2,500	120	18	460	330	30	260	< 5	2,300	0	0	< 0.02	<0.2	0	<0.1	24
SMMB01	02-Jul-19	2,326	7.57	1,800	290	13	1,400	58	15	190	220	22	-	-	1,100	1	-	0	-	-	< 0.1600	25
SMMB01	15-Dec-19	3,515	6.93	3,300	240	48	2,600	94	11	390	390	27	-	-	2,200	0	-	0	-	-	< 0.1600	24
SMMB01	18-Apr-20	3,567	6.88	2,321	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
SMMB01	11-May-20	-		3,700	250	40	2,700	110	16	520	330	32	-	-	2,400	0	-	< 0.02	-	-	< 0.1600	25
SMMB01	21-Jun-20	3,493	6.93	3,500	250	33	3,100	100	12	450	470	59	-	-	2,400	0	-	< 0.02	-	-	< 0.1600	24
SMMB01	21-Sep-20	-		**4,100**	260	53	-	89	18	310	330	29	-	-	2,200	-	-	0	-	-	< 0.1600	28
SMMB01	24-Nov-20	-		3,200	250	37	-	94	14	470	310	32	-	-	2,300	-	-	< 0.02	-	-	< 0.1600	30
SMMB01	28-Mar-21	-		3,100	270	44	-	100	18	420	320	29	-	-	2,200	-	-	0	-	-	< 0.1600	33
SMMB01	25-Jun-21	-		**5,300**	300	60	-	190	18	510	620	64	-	-	3,700	-	-	0	-	-	<0.3700	35
SMMB01	24-Aug-21	4,065	7.02	3,600	210	34	-	120	21	380	200	34	-	-	2,400	1	-	< 0.02	-	-	< 0.1600	30
SMMB01	18-Nov-21	3,934	7.13	**4,200**	250	36	-	120	17	420	1,500	27	250	< 5	2,400	1	-	< 0.02	-	-	< 0.1600	130
SMMB01	12-Feb-22	3,846	6.83	3,400	270	26	-	130	15	450	410	31	270	< 5	2,300	0	-	0	-	-	< 0.16	32
SMMB01	09-May-22	4,105	6.79	**4,500**	290	28	-	130	15	350	390	83	290	< 5	3,300	1	-	< 0.02	-	-	< 0.16	27
SMMB01	29-Aug-22	3,747	7.07	2,900	260	-	-	110	12	330	320	31	260	< 5	2,100	1	-	< 0.02	-	-	<0.3900	-
SMMB01	17-Dec-22	3,705	7.12	3,500	270	-	2,100	110	12	320	310	34	270	< 5	2,000	1	-	< 0.02	-	-	<0.4100	25
SMMB01	13-Feb-23	3,713	6.78	3,300	310	-	2,400	130	13	350	380	43	310	< 5	2,400	0	-	0	-	-	<0.3900	29
SMMB01	09-May-23	3,670	6.93	2,300	320	-	3,000	130	14	460	440	36	320	< 5	2,400	0	-	< 0.02	-	-	<0.3900	31
SMMB01	01-Aug-23	2,900	7.02	2,500	300	16	1,300	110	10	260	250	24	300	< 5	1,600	5		0			<0.3900	30
SMMB01	20-Nov-23	3,100	6.60	1,900	320	22		130	13	330	320	31	320	< 5	1,900	2	< 0.01	< 0.02	0	0	<0.3900	11
SMMB01	22-Jun-24	2,300	6.55	1,400	380	23		91	12	210	200	17	380	< 5	1,100	2		< 0.02			<0.3900	
SMMB01	28-Dec-24	3,136	6.92	1,900	360	13		110	11	330	290	22	360	< 5	1,900	1		< 0.02				21
SMMB01	24-Mar-25	3,888	6.98	2,300	310	20		110	11	360	310	26	310	< 5	2,800	0		< 0.02				40
SMMB01	14-Jun-25	3,944	7.00	3,800	280	27		9,600	390	430	1,200	27	280	< 5	2,200	1		< 0.02				27
SMMB02	16-Sep-18	3,917	6.97	2,548	240	-	2,700	110	18	420	390	27	240	< 5	2,700	0	< 0.01	< 0.02	<0.2	0	<0.1	26
SMMB02	17-Dec-18	4,001	6.80	2,600	230	-	2,600	110	13	440	370	29	230	< 5	2,700	0	< 0.01	0	<0.2	0	<0.1	22
SMMB02	11-Mar-19	4,216	6.86	2,743	230	-	2,800	140	21	480	380	57	230	< 5	2,800	< 0.01	< 0.01	< 0.02	<0.2	0	<0.1	22
SMMB02	02-Jul-19	3,204	7.54	2,600	260	16	2,000	77	19	270	330	32	-	-	1,900	1	-	< 0.02	-	-	< 0.1600	20
SMMB02	15-Dec-19	4,081	7.02	3,900	220	31	3,100	120	14	450	470	31	-	-	2,600	< 0.01	-	< 0.02	-	-	< 0.1600	21
SMMB02	15-Apr-20	4,236	6.84	2,750	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
SMMB02	11-May-20	-	-	**4,600**	230	53	3,100	140	19	590	400	35	-	-	3,000	< 0.01	-	0	-	-	< 0.1600	21
SMMB02	21-Jun-20	4,233	6.96	**4,400**	260	24	3,400	140	15	570	470	74	-	-	3,100	< 0.01	-	0	-	-	< 0.1600	22
SMMB02	22-Sep-20	-	-	**5,400**	270	48	-	120	22	370	510	36	-	-	3,000	-	-	0	-	-	< 0.1600	23
SMMB02	25-Nov-20	-	-	**4,200**	250	39	-	120	23	540	420	68	-	-	3,000	-	-	< 0.02	-	-	< 0.1600	24
SMMB02	30-Mar-21	-	-	**6,300**	290	50	-	160	30	500	570	36	-	-	3,700	-	-	0	-	-	< 0.1600	32
SMMB02	25-Jun-21	-	-	3,900	240	40	-	120	13	420	410	41	-	-	2,600	-	-	< 0.01	-	-	<0.3700	35
SMMB02	24-Aug-21	5,190	7.07	**4,800**	260	44	-	150	32	340	220	63	-	-	3,200	0	-	0	-	-	< 0.1600	27
SMMB02	18-Nov-21	5,059	7.22	**5,400**	300	38	-	160	25	490	2,000	32	300	< 5	2,900	0	-	0	-	-	< 0.1600	110
SMMB02	10-Feb-22	5,169	6.82	**4,900**	300	28	-	200	19	460	580	48	300	< 5	3,100	0	-	0	-	-	< 0.16	27
SMMB02	04-May-22	5,357	6.86	3,900	300	24	-	210	20	440	580	140	300	< 5	**4,500**	< 0.01	-	< 0.02	-	-	0	26
SMMB02	23-Aug-22	5,395	7.08	**5,000**	300	-	-	170	16	460	510	87	300	< 5	3,100	< 0.01	-	0	-	-	<0.3900	-
SMMB02	14-Dec-22	5,260	7.09	**5,100**	280	-	3,200	180	17	450	500	62	280	< 5	3,200	< 0.01	-	< 0.02	-	-	<0.4100	27
SMMB02	07-Feb-23	5,147	6.79	**5,000**	320	-	3,500	220	18	450	580	78	320	< 5	3,700	< 0.01	-	0	-	-	<0.3900	27
SMMB02	04-May-23	5,193	6.90	3,300	340	-	4,400	250	18	590	700	100	340	< 5	3,600	< 0.01	-	0	-	-	<0.3900	28
SMMB02	25-Jul-23	5,200	6.95	**5,100**	310	21	2,900	180	15	460	510	86	310	< 5	3,500	< 0.01		0			<0.3900	27
SMMB02	19-Nov-23	5,100	6.61	3,100	320	24		220	20	550	610	68	320	< 5	3,300	< 0.01	< 0.01	0	< 0.2	0	<0.3900	6
SMMB02	23-Jun-24	4,100	6.56	2,500	280	19		140	14	420	400	24	280	< 5	2,700	< 0.01		< 0.02			<0.3900	
SMMB02	28-Dec-24	4,029	6.98	2,400	280	14		140	15	450	410	28	280	< 5	2,600	< 0.01		0				33
SMMB02	24-Mar-25	4,037	7.04	2,400	260	17		110	13	370	340	27	260	< 5	2,900	< 0.01		< 0.02				4
SMMB02	14-Jun-25	4,032	7.07	3,700	480	45		120	15	440	390	30	480	< 5	2,000	< 0.01		2				6

Appendix E - Groundwater Quality Data 2018-2025

Production Bore
Monitoring Bore

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
PARPMB01	16-Sep-18	62	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	-	< 0.005
PARPMB01	19-Dec-18	52	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	0	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	-	0
PARPMB01	13-Mar-19	54	< 0.01	< 0.001	0	< 0.0001	-	0	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	-	< 0.005
PARPMB01	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
PARPMB01	16-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
PARPMB01	27-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARPMB01	11-May-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	0
PARPMB01	22-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
PARPMB01	21-Sep-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	< 0.01	< 0.0001	< 0.001	0	-	< 0.01	0
PARPMB01	24-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	0	-	< 0.01	0
PARPMB01	28-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	< 0.001	0	-	< 0.01	0
PARPMB01	25-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	< 0.005	< 0.0001	0	0	-	< 0.005	0
PARPMB01	24-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	0
PARPMB01	15-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
PARPMB01	06-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
PARPMB01	03-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
PARPMB01	26-Aug-22	60	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	0
PARPMB01	12-Dec-22	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
PARPMB01	07-Feb-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
PARPMB01	02-May-23	64	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	0	< 0.001	0	0	-	0
PARPMB01	24-Jul-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	-	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
PARPMB01	18-Nov-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	-	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
PARPMB01	23-Jun-24	65	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0	-	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	-	0
PARPMB01	26-Dec-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
PARPMB01	26-Mar-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
PARPMB01	12-Jun-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB01	16-Sep-18	76	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB01	17-Dec-18	54	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB01	19-Dec-18	54	< 0.01	< 0.001	0	< 0.0001	-	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB01	10-Mar-19	52	< 0.01	< 0.001	0	< 0.0001	-	0	< 0.001	< 0.05	0	0	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	-	0
SMMB01	02-Jul-19	-	< 0.01	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB01	15-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB01	18-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB01	11-May-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB01	21-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB01	21-Sep-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB01	24-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB01	28-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB01	25-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	2	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB01	24-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB01	18-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB01	12-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB01	09-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	0	< 0.05	0	0	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB01	29-Aug-22	58	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB01	17-Dec-22	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB01	13-Feb-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	0	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB01	09-May-23	64	< 0.05	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMMB01	01-Aug-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	0	< 0.005
SMMB01	20-Nov-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB01	22-Jun-24	66	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001		0
SMMB01	28-Dec-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB01	24-Mar-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB01	14-Jun-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB02	16-Sep-18	56	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB02	17-Dec-18	48	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB02	11-Mar-19	47	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB02	02-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	0	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	15-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	15-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB02	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	21-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	22-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	1	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB02	25-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	1	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB02	30-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	1	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB02	25-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	0	< 0.05	-	-	-	0	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB02	24-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	2	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	18-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	0	< 0.05	< 0.01	0	-	2	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	10-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	04-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	-	2	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB02	23-Aug-22	55	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	2	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB02	14-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	2	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB02	07-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	2	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB02	04-May-23	62	< 0.05	-	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	2	< 0.0001	0	< 0.001	0	-	0
SMMB02	25-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	2	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB02	19-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.5	0	< 0.001	2	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB02	23-Jun-24	60	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001		0
SMMB02	28-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	1	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB02	24-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB02	14-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.001	0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMMB01 & SMMB07)		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMMB03	16-Sep-18	2,814	7.07	1,827	310	-	1,700	72	20	400	170	21	310	< 5	1,700	0	< 0.01	0	<0.2	1	<0.1	28
SMMB03	19-Dec-18	2,476	7.32	1,606	300	-	2,000	85	15	480	190	22	300	< 5	1,400	0	0	0	0	0	<0.1	24
SMMB03	12-Mar-19	3,484	6.67	2,262	290	-	2,300	100	26	560	220	27	290	< 5	2,100	< 0.01	< 0.01	0	<0.2	0	<0.1	24
SMMB03	02-Jul-19	3,291	7.51	1,900	270	16	1,400	51	20	280	160	22	-	-	1,100	1	-	0	-	-	< 0.1600	23
SMMB03	16-Dec-19	3,548	6.82	3,400	270	59	2,500	110	17	540	290	26	-	-	2,200	0	-	0	-	-	< 0.1600	23
SMMB03	18-Apr-20	3,663	6.80	2,379	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
SMMB03	11-May-20	-	-	3,800	300	70	2,800	110	26	700	260	29	-	-	2,500	0	-	0	-	-	< 0.1600	24
SMMB03	22-Jun-20	3,139	6.88	3,000	280	24	2,500	89	19	650	210	58	-	-	2,000	0	-	< 0.02	-	-	< 0.1600	24
SMMB03	22-Sep-20	-	-	**4,300**	300	60	-	91	25	460	240	30	-	-	2,300	-	-	< 0.02	-	-	< 0.1600	28
SMMB03	25-Nov-20	-	-	3,500	290	54	-	87	33	580	240	63	-	-	2,500	-	-	0	-	-	< 0.1600	32
SMMB03	30-Mar-21	-	-	**4,200**	310	68	-	91	37	550	200	33	-	-	2,300	-	-	0	-	-	< 0.1600	32
SMMB03	26-Jun-21	-	-	3,100	290	60	-	93	17	450	230	41	-	-	2,000	-	-	0	-	-	<0.3700	34
SMMB03	24-Aug-21	3,858	6.94	3,300	270	57	-	85	39	330	140	34	-	-	2,100	0	-	0	-	-	< 0.1600	29
SMMB03	17-Nov-21	3,351	7.16	3,200	300	24	-	82	26	440	150	26	300	< 5	1,900	0	-	< 0.02	-	-	< 0.1600	120
SMMB03	10-Feb-22	3,830	6.77	3,600	310	27	-	110	23	640	300	34	310	< 5	2,200	0	-	0	-	-	< 0.16	32
SMMB03	04-May-22	3,685	6.84	2,800	290	20	-	100	23	450	200	100	290	< 5	3,000	< 0.01	-	< 0.02	-	-	0	28
SMMB03	28-Aug-22	3,565	7.13	2,800	320	-	-	88	17	480	210	56	320	< 5	2,000	0	-	< 0.02	-	-	<0.3900	-
SMMB03	17-Dec-22	3,531	7.09	3,000	260	-	2,000	89	16	450	200	36	260	< 5	1,900	0	-	< 0.02	-	-	<0.3900	31
SMMB03	10-Feb-23	2,983	6.80	2,700	340	-	1,800	96	18	370	200	28	340	< 5	1,800	0	-	0	-	-	<0.3900	29
SMMB03	07-May-23	2,397	6.96	1,500	370	-	1,600	87	16	390	160	23	370	< 5	1,200	0	-	< 0.02	-	-	<0.3900	29
SMMB03	28-Jul-23	2,100	6.96	1,700	410	16	940	66	13	250	110	22	410	< 5	890	0		0			<0.3900	30
SMMB03	19-Nov-23	3,000	6.52	1,800	370	37		100	18	470	210	30	370	< 5	1,700	0	< 0.01	< 0.02	0	0	<0.3900	9
SMMB03	23-Jun-24	2,900	6.42	1,700	370	26		86	17	430	170	21	370	< 5	1,600	< 0.01		< 0.02			<0.3900	
SMMB03	28-Dec-24	3,045	6.84	1,800	360	20		92	16	460	200	37	360	< 5	1,700	0		< 0.02				28
SMMB03	27-Mar-25	3,428	6.89	2,000	350	19		83	15	460	190	25	350	< 5	2,300	0		< 0.02				9
SMMB03	27-Mar-25	-		2,000	350	18		81	14	450	190	25	350	< 5	2,300	1		< 0.02				10
SMMB03	15-Jun-25	3,883	6.90	3,800	350	31		93	17	550	260	28	350	< 5	2,100	0		0				7
SMMB07	19-Dec-18	4,464	6.88	2,899	280	-	3,000	100	12	550	390	27	280	< 5	3,300	0	0	0	0	0	-	25
SMMB07	10-Mar-19	4,591	7.06	2,990	300	-	2,800	120	24	480	400	59	300	< 5	3,000	0	< 0.01	0	<0.2	0	-	25
SMMB07	04-Jul-19	4,441	6.85	4,200	300	33	3,100	140	23	460	470	29	-	-	3,100	0	-	0	-	-	-	24
SMMB07	19-Dec-19	4,327	6.96	4,300	270	57	3,400	200	10	670	430	31	-	-	3,000	< 0.01	-	0	-	-	-	23
SMMB07	30-Apr-20	4,216	6.91	2,743	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB07	11-May-20	-	-	4,800	210	65	2,900	120	28	530	390	57	-	-	3,000	0	-	< 0.02	-	-	-	23
SMMB07	24-Jun-20	4,296	6.96	4,400	460	43	3,800	120	62	710	480	54	-	-	3,000	1	-	0	-	-	-	25
SMMB07	22-Sep-20	-	-	5,900	290	61	-	120	23	470	500	34	-	-	3,100	-	-	0	-	-	-	27
SMMB07	28-Nov-20	-	-	4,500	290	60	-	120	41	570	390	61	-	-	3,200	-	-	0	-	-	-	29
SMMB07	31-Mar-21	-	-	4,500	220	34	-	72	38	480	240	27	-	-	2,400	-	-	< 0.02	-	-	-	32
SMMB07	25-Aug-21	4,476	6.91	4,100	300	51	-	94	42	290	200	29	-	-	2,700	3	-	< 0.02	-	-	-	28
SMMB07	16-Nov-21	4,613	7.13	4,800	310	25	-	110	26	450	1,700	22	310	< 5	2,500	3	-	< 0.02	-	-	-	120
SMMB07	07-Feb-22	3,988	6.81	3,800	310	17	-	170	18	470	360	21	310	< 5	2,500	4	-	0	-	-	-	23
SMMB07	10-May-22	4,217	6.79	3,600	310	16	-	120	18	430	670	71	310	< 5	3,200	3	-	< 0.02	-	-	-	28
SMMB07	25-Aug-22	4,554	7.04	3,700	330	-	-	110	14	560	350	55	330	< 5	2,600	4	-	< 0.02	-	-	<0.3900	-
SMMB07	14-Dec-22	4,937	7.06	4,900	310	-	3,000	120	15	520	420	25	310	< 5	3,100	4	-	< 0.02	-	-	<0.5500	28
SMMB07	12-Feb-23	4,126	6.82	4,000	350	-	2,900	130	17	480	410	21	350	< 5	3,000	3	-	0	-	-	<0.3900	27
SMMB07	05-May-23	3,278	6.91	2,000	370	-	2,100	96	13	370	280	17	370	< 5	2,000	2	-	< 0.02	-	-	<0.3900	30
SMMB07	26-Jul-23	3,900	6.94	3,500	350	16	2,300	93	12	430	320	17	350	< 5	2,500	3		0			<0.3900	26
SMMB07	15-Nov-23	4,300	6.58	2,600	350	29		130	17	610	460	22	350	< 5	2,900	3	< 0.01	0	< 0.2	0	<0.3900	21
SMMB07	1-Jul-24	3,480	6.36	2,100	340	14		97	12	440	310	16	340	< 5	2,200	2		0				38
SMMB07	29-Dec-24	4,757	6.76	2,800	360	29		120	14	580	460	17	360	< 5	3,200	3		< 0.02				23
SMMB07	27-Mar-25	4,536	6.86	2,700	340	28		100	13	480	380	19	340	< 5	3,300	2		< 0.02				31
SMMB07	16-Jun-25	4,800	6.89	4,900	330	31		170	14	470	370	18	330	< 5	2,800	1		0				27
SMMB08	26-Nov-20	-	-	1,200	290	32	-	37	14	230	97	14	-	-	610	-	-	0	-	-	-	24
SMMB08	31-Mar-21	-	-	1,400	480	100	-	31	25	190	77	19	-	-	600	-	-	0	-	-	-	28
SMMB08	24-Jun-21	-	-	1,300	350	20	-	43	10	200	120	25	-	-	650	-	-	0	-	-	-	26
SMMB08	25-Aug-21	2,117	7.50	1,600	250	20	-	40	25	180	82	30	-	-	800	0	-	0	-	-	-	21
SMMB08	16-Nov-21	1,929	7.61	1,600	360	14	-	41	15	200	87	20	360	< 5	770	0	-	0	-	-	-	88
SMMB08	07-Feb-22	1,490	7.21	1,100	350	< 5	-	48	13	210	110	15	350	< 5	400	1	-	0	-	-	-	22
SMMB08	10-May-22	2,257	7.18	1,600	380	9	-	58	17	200	100	74	380	< 5	1,400	0	-	< 0.02	-	-	-	25
SMMB08	25-Aug-22	944	7.39	540	340	-	-	26	6	82	47	8	340	< 5	160	2	-	0	-	-	<0.3900	-
SMMB08	14-Dec-22	1,050	7.51	730	360	-	420	30	7	83	52	8	360	< 5	220	2	-	< 0.02	-	-	<0.6100	26
SMMB08	12-Feb-23	701	7.18	480	320	-	340	24	5	64	44	6	320	< 5	77	3	-	0	-	-	<0.3900	25
SMMB08	05-May-23	693	7.19	430	390	-	300	21	3	52	40	< 5	390	< 5	37	1	-	< 0.02	-	-	<0.3900	28
SMMB08	26-Jul-23	760	7.29	490	370	< 5	280	20	4	65	41	< 5	370	< 5	63	1		0			<0.3900	27
SMMB08	15-Nov-23	870	6.77	520	380	14		31	5	98	63	8	380	< 5	160	2	< 0.01	< 0.02	< 0.2	0	<0.3900	5
SMMB08	1-Jul-24	811	6.61	480	380	< 10		24	4	82	54	< 5	380	< 5	110	1		< 0.02				24
SMMB08	29-Dec-24	1,070	7.06	650	340	14		29	5	110	64	14	340	< 5	290	3		< 0.02				25
SMMB08	27-Mar-25	969	7.15	570	330	< 10		24	4	92	51	6	330	< 5	240	2		< 0.02				8
SMMB08	16-Jun-25	13	7.17	850	280	15		40	5	160	75	7	280	< 5	340	4		0				24
SMMB13	17-Nov-21	2,410	7.47	2,300	410	19	-	36	19	130	170	19	410	< 5	1,200	0	-	< 0.02	-	-	-	130
SMMB13	13-Feb-22	2,708	7.05	2,400	480	23	-	52	16	200	370	28	480	< 5	1,300	0	-	0	-	-	< 0.16	34
SMMB13	08-May-22	2,582	7.07	1,700	440	8	-	49	17	140	270	91	440	< 5	1,700	0	-	0	-	-	< 0.16	30
SMMB13	27-Jul-23	2,600	7.18	2,300	450	11	1,300	42	9	170	290	17	450	< 5	1,300	1		0			<0.3900	29
SMMB13	15-Nov-23	2,400	6.79	1,400	470	21		49	11	180	320	19	470	< 5	1,200	1	< 0.01	< 0.02	1	0	<0.3900	6
SMMB13	21-Jun-24	2,300	6.67	1,400	460	15		44	9	150	270	13	460	< 5	1,100	1		< 0.02			<0.3900	
SMMB13	15-Sep-24	2,114	6.74	1,300	440	< 10		48	10	130	260	11	420	19	940	0		< 0.02				36
SMMB13	25-Dec-24	1,991	7.14	1,200	510	13		39	8	120	210	11	510	< 5	810	1		< 0.02				36
SMMB13	22-Mar-25	2,004	7.24	1,200	440	16		37	8	110	200	12	440	< 5	890	0		< 0.02				4
SMMB13	22-May-25	2,042	7.26	1,500	420	< 10		44	7	140	230	12	420	< 5	860	1		< 0.02				37
SMMB16	16-Dec-18	1,470	6.78	951	420	-	760	59	10	140	100	17	420	< 5	410	0	0	0	<0.2	0	-	27
SMMB16	08-Apr-19	1,507	6.97	982	430	-	730	63	12	140	93	16	430	< 5	350	0	< 0.01	< 0.02	<0.2	0	-	24

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMMB03	16-Sep-18	60	< 0.01	< 0.001	< 0.001	< 0.0001	0	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB03	19-Dec-18	52	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB03	12-Mar-19	51	< 0.01	< 0.001	< 0.001	< 0.0001	-	0	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB03	02-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB03	16-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB03	18-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB03	11-May-20	-	< 0.01	< 0.001	< 0.001	0	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB03	22-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB03	22-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB03	25-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB03	30-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	2	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB03	26-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	1	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB03	24-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	2	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB03	17-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	-	0	0	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB03	10-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB03	04-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB03	28-Aug-22	57	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB03	17-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB03	10-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB03	07-May-23	65	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	0	0	0	0	-	< 0.005
SMMB03	28-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB03	19-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB03	23-Jun-24	63	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001		0
SMMB03	28-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB03	27-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	0	< 0.05	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB03	27-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB03	15-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB07	19-Dec-18	53	< 0.01	< 0.001	< 0.001	< 0.0001	<0.002	< 0.001	0	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB07	10-Mar-19	53	< 0.01	< 0.001	< 0.001	< 0.0001	<0.002	0	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMMB07	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB07	19-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB07	30-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB07	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	< 0.01	0	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	0	0
SMMB07	24-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB07	22-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB07	28-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB07	31-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	< 0.005
SMMB07	25-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	2	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB07	16-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB07	07-Feb-22	-	0	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	16
SMMB07	10-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB07	25-Aug-22	56	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB07	14-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB07	12-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB07	05-May-23	66	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	0	0	0	-	< 0.005
SMMB07	26-Jul-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	0	0
SMMB07	15-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB07	1-Jul-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB07	29-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB07	27-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB07	16-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB08	26-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB08	31-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	1	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB08	24-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	1	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB08	25-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	0	0	2	-	2	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB08	16-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	1	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB08	07-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB08	10-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	2	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMMB08	25-Aug-22	49	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB08	14-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB08	12-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB08	05-May-23	63	< 0.05	-	0	< 0.0001	< 0.001	0	0	< 0.05	0	0	0	0	< 0.0001	0	0	0	-	< 0.005
SMMB08	26-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB08	15-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB08	1-Jul-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.05	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB08	29-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB08	27-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB08	16-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB13	17-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	-	0	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB13	13-Feb-22	-	0	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	0	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
SMMB13	08-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMMB13	27-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB13	15-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB13	21-Jun-24	68	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		0
SMMB13	15-Sep-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB13	25-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB13	22-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB13	22-May-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMMB16	16-Dec-18	57	< 0.01	< 0.001	< 0.001	< 0.0001	-	0	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	0
SMMB16	08-Apr-19	52	< 0.01	< 0.001	0	< 0.0001	-	0	0	< 0.05	0	0	< 0.001	0	< 0.0001	0	0	< 0.001	-	0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMMB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMMB16	04-Jul-19	1,554	6.90	920	420	38	780	74	16	130	110	17	-	-	490	0	-	0	-	-	-	23
SMMB16	14-Dec-19	1,881	6.94	1,500	370	55	1,100	83	15	170	160	20	-	-	710	0	-	< 0.02	-	-	-	25
SMMB16	04-Apr-20	1,484	7.01	962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB16	11-May-20	-	-	1,100	500	72	780	72	16	130	110	21	-	-	370	0	-	0	-	-	-	24
SMMB16	18-Jun-20	1,559	6.94	1,200	430	24	740	67	18	130	100	18	-	-	490	0	-	< 0.02	-	-	-	25
SMMB16	20-Sep-20	-	-	1,500	480	82	-	60	21	140	110	22	-	-	530	-	-	0	-	-	-	28
SMMB16	23-Nov-20	-	-	1,400	400	64	-	63	18	210	120	23	-	-	660	-	-	< 0.02	-	-	-	28
SMMB16	26-Mar-21	-	-	940	490	61	-	62	22	130	82	17	-	-	330	-	-	0	-	-	-	35
SMMB16	22-Jun-21	-	-	1,400	470	70	-	93	16	190	140	19	-	-	560	-	-	0	-	-	-	38
SMMB16	23-Aug-21	1,482	7.12	1,000	420	50	-	60	21	98	63	18	-	-	380	1	-	< 0.02	-	-	-	32
SMMB16	14-Nov-21	1,972	7.20	1,600	490	32	-	79	21	140	99	17	490	< 5	530	0	-	0	-	-	-	130
SMMB16	08-Feb-22	1,894	6.92	1,400	480	20	-	85	18	190	130	20	480	< 5	640	0	-	0	-	-	-	31
SMMB16	03-May-22	1,764	6.94	930	440	19	-	90	18	140	88	22	440	< 5	630	0	-	0	-	-	-	30
SMMB16	24-Aug-22	2,090	7.10	1,400	470	-	-	69	14	190	120	20	470	< 5	750	0	-	0	-	-	-	-
SMMB16	18-Dec-22	2,173	7.08	1,600	450	-	1,000	72	14	170	130	20	430	15	810	0	-	0	-	-	-	33
SMMB16	08-Feb-23	1,414	6.88	980	420	-	740	70	14	130	98	12	420	< 5	450	1	-	0	-	-	-	31
SMMB16	06-May-23	1,863	7.01	1,200	580	-	970	150	13	190	120	23	580	< 5	610	1	-	0	-	-	-	34
SMMB16	29-Jul-23	2,400	7.42	1,800	880	26	670	470	9	120	91	63	880	< 5	520	0		0				34
SMMB16	16-Nov-23	2,300	6.75	1,800	630	21		240	13	210	140	29	630	< 5	910	0	< 0.01	0	< 0.2	0		6
SMMB16	21-Jun-24	2,400	7.00	1,400	1,000	< 10		460	2	62	66	50	1,000	< 5	370	0		< 0.02				
SMMB16	15-Sep-24	2,468	6.87	1,500	710	< 10		350	8	130	110	25	690	23	730	< 0.01		< 0.02				43
SMMB16	25-Dec-24	2,860	6.86	1,700	500	24		150	14	310	220	22	500	< 5	1,400	0		< 0.02				40
SMMB16	21-Mar-25	3,048	6.99	1,800	500	32		140	13	280	190	24	500	< 5	1,700	0		< 0.02				4
SMMB16	22-May-25	3,318	6.96	2,700	470	21		140	14	370	250	26	470	< 5	1,800	< 0.01		< 0.02				15
SMMB17	16-Dec-18	3,529	6.70	3,100	260	-	2,300	88	10	490	260	26	260	< 5	2,100	1	0	0	<0.2	0	-	26
SMMB17	08-Apr-19	3,320	6.82	2,600	290	-	2,000	81	11	380	250	24	290	< 5	81	1	0	0	<0.2	0	-	24
SMMB17	04-Jul-19	3,386	7.04	3,000	270	35	2,200	110	18	390	290	53	-	-	2,100	1	-	0	-	-	-	25
SMMB17	14-Dec-19	3,406	6.92	3,300	250	43	2,600	130	12	510	320	28	-	-	2,100	2	-	< 0.02	-	-	-	24
SMMB17	11-May-20	-	-	3,300	290	51	2,600	110	18	580	280	34	-	-	2,100	7	-	0	-	-	-	23
SMMB17	19-Jun-20	3,148	6.90	3,000	260	29	2,600	96	18	510	320	29	-	-	2,000	7	-	< 0.02	-	-	-	23
SMMB17	20-Sep-20	-	-	4,000	270	58	-	97	19	380	280	33	-	-	2,200	-	-	< 0.02	-	-	-	26
SMMB17	24-Nov-20	-	-	3,700	240	36	-	110	27	600	290	36	-	-	2,600	-	-	0	-	-	-	30
SMMB17	28-Mar-21	-	-	4,100	260	52	-	92	44	460	330	33	-	-	2,600	-	-	0	-	-	-	34
SMMB17	23-Jun-21	-	-	3,000	260	50	-	100	11	370	230	33	-	-	2,000	-	-	< 0.01	-	-	-	31
SMMB17	23-Aug-21	3,110	7.04	2,600	220	36	-	88	24	270	140	28	-	-	1,600	6	-	< 0.02	-	-	-	32
SMMB17	15-Nov-21	3,349	7.21	3,400	250	28	-	100	18	370	170	26	250	< 5	1,800	6	-	< 0.02	-	-	-	130
SMMB17	07-Feb-22	3,996	6.67	3,600	310	27	-	150	18	550	370	42	310	< 5	2,500	1	-	0	-	-	-	32
SMMB17	04-May-22	2,953	6.94	2,000	290	18	-	110	13	270	160	68	290	< 5	2,000	13	-	< 0.02	-	-	-	29
SMMB17	24-Aug-22	2,882	7.19	2,200	280	-	-	97	11	290	190	68	280	< 5	1,500	8	-	< 0.02	-	-	-	-
SMMB17	13-Dec-22	3,280	7.15	2,900	290	-	1,700	97	10	310	210	36	290	< 5	1,700	6	-	< 0.02	-	-	-	31
SMMB17	08-Feb-23	3,238	6.76	3,000	290	-	2,100	120	14	390	270	32	290	< 5	2,000	4	-	0	-	-	-	31
SMMB17	01-May-23	1,652	7.01	1,000	450	-	970	65	6	220	100	19	450	< 5	590	3	-	< 0.02	-	-	-	29
SMMB17	24-Jul-23	1,200	7.12	800	500	29	700	49	5	160	72	12	500	< 5	320	0		< 0.02				24
SMMB17	16-Nov-23	1,900	6.69	1,500	380	18		86	10	220	140	25	380	< 5	870	5	< 0.01	< 0.02	< 0.2	0		5
SMMB17	22-Jun-24	1,000	6.53	610	470	11		36	2	130	46	12	470	< 5	150	0		< 0.02				
SMMB17	26-Dec-24	2,693	6.92	1,600	330	18		75	9	320	190	21	330	< 5	1,500	1		< 0.02				6
SMMB17	22-Mar-25	3,425	6.94	2,000	300	23		77	10	380	230	24	300	< 5	2,300	0		< 0.02				33
SMMB17	11-Jun-25	829	6.99	460	400	25		19	1	130	37	12	400	< 5	67	< 0.01		< 0.02				27
SMMB20	23-Nov-20	-	-	2,800	410	69	-	70	33	400	270	32	-	-	1,800	-	-	1	-	-	-	28
SMMB20	26-Mar-21	-	-	3,600	430	79	-	74	57	400	330	34	-	-	2,000	-	-	0	-	-	-	33
SMMB20	22-Jun-21	-	-	2,200	450	50	-	74	22	260	260	36	-	-	1,400	-	-	< 0.01	-	-	-	36
SMMB20	23-Aug-21	2,559	7.04	2,000	390	48	-	51	45	170	130	25	-	-	1,000	1	-	< 0.02	-	-	-	32
SMMB20	15-Nov-21	2,478	7.30	2,200	450	22	-	59	34	160	140	19	450	< 5	1,100	0	-	< 0.02	-	-	-	120
SMMB20	08-Feb-22	2,513	6.95	2,100	470	15	-	84	29	290	260	22	470	< 5	1,200	0	-	0	-	-	-	33
SMMB20	03-May-22	1,925	7.03	1,200	520	7	-	77	21	120	110	30	520	< 5	780	0	-	0	-	-	-	39
SMMB20	24-Aug-22	1,876	7.28	1,100	460	-	-	54	15	130	130	19	460	< 5	490	1		< 0.02			<0.3900	
SMMB20	18-Dec-22	2,851	7.15	2,400	460	-	1,500	67	21	240	230	25	460	< 5	1,000	0		< 0.02			<0.3900	33
SMMB20	09-Feb-23	2,522	7.09	2,000	490	-	1,400	89	19	200	210	28	490	< 5	1,200	0		0			<0.3900	35
SMMB20	06-May-23	1,054	7.03	660	470	-	630	34	4	180	42	12	470	< 5	200	< 0.01		< 0.02			<0.3900	17
SMMB20	29-Jul-23	1,500	7.15	1,100	450	11	550	50	6	180	76	13	450	< 5	450	< 0.01		0			<0.3900	27
SMMB20	16-Nov-23	2,600	6.57	1,600	500	37		78	19	290	250	24	500	< 5	1,300	0	< 0.01	< 0.02	0	0	<0.3900	4
SMMB27	28-Nov-20	-	-	940	290	11	-	34	12	83	120	17	-	-	470	-	-	0	-	-	-	26
SMMB27	26-Jun-21	-	-	1,000	330	<10	-	42	9	96	120	13	-	-	480	-	-	< 0.01	-	-	-	33
SMMB27	25-Aug-21	4,331	7.05	3,900	270	44	-	84	41	300	210	29	-	-	2,500	2	-	< 0.02	-	-	-	31
SMMB27	16-Nov-21	4,663	7.14	4,700	320	29	-	100	26	440	1,800	52	320	< 5	2,800	2	-	< 0.02	-	-	-	120
SMMB27	07-Feb-22	4,606	6.76	4,700	340	21	-	150	22	610	560	27	340	< 5	2,700	2	-	0	-	-	-	33
SMMB27	10-May-22	4,246	6.81	3,400	320	21	-	130	18	370	430	58	320	< 5	3,300	3	-	< 0.02	-	-	-	30
SMMB27	25-Aug-22	4,604	7.05	3,800	340	-	-	110	13	520	400	24	340	< 5	2,700	4	-	< 0.02	-	-	<0.3900	-
SMMB27	14-Dec-22	4,929	7.11	4,800	340	-	3,000	120	14	490	430	25	340	< 5	3,100	4	-	< 0.02	-	-	<0.3900	30
SMMB27	12-Feb-23	4,248	6.73	4,200	360	-	2,900	130	16	450	430	21	360	< 5	3,000	3	-	0	-	-	<0.3900	29
SMMB27	05-May-23	3,501	6.84	2,200	380	-	2,900	130	14	500	390	17	380	< 5	2,300	3	-	< 0.02	-	-	<0.3900	31
SMMB27	26-Jul-23	3,800	6.88	3,000	360	17	2,200	95	12	400	320	14	360	< 5	2,500	3		0			<0.3900	28
SMMB27	15-Nov-23	4,400	6.45	2,700	360	38		130	17	600	470	22	360	< 5	2,900	3	< 0.01	0	< 0.2	0	<0.3900	4
SMMB27	1-Jul-24	3,445	6.35	2,100	350	11		99	13	400	320	15	350	< 5	2,200	2		0				35
SMMB27	29-Dec-24	4,682	6.77	2,800	370	26		120	14	530	460	17	370	< 5	3,300	2		< 0.02				25
SMMB27	27-Mar-25	4,564	6.86	2,700	340	20		95	12	440	350	18	340	< 5	3,300	2		< 0.02				10
SMMB27	16-Jun-25	4,817	6.89	4,800	330	34		130	14	650	460	18	330	< 5	2,700	1		0				27

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMMB16	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB16	14-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB16	04-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB16	11-May-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB16	18-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB16	20-Sep-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB16	23-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB16	26-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	< 0.01	-	0	< 0.0001	0	0	-	< 0.01	0
SMMB16	22-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	1	< 0.0001	0	0	-	< 0.005	0
SMMB16	23-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	0	< 0.001	< 0.05	< 0.01	0	-	0	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB16	14-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB16	08-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB16	03-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB16	24-Aug-22	59	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB16	18-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB16	08-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB16	06-May-23	82	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	-	< 0.005
SMMB16	29-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB16	16-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	0	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB16	21-Jun-24	82	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001				0	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001		0
SMMB16	15-Sep-24			< 0.001						-	< 0.05								< 0.001	
SMMB16	25-Dec-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB16	21-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB16	22-May-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	1	< 0.05	1	< 0.001	0	< 0.0001	0	< 0.001	< 0.001		< 0.005
SMMB17	16-Dec-18	55	< 0.01	< 0.001	0	< 0.0001	-	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMMB17	08-Apr-19	51	< 0.01	< 0.001	0	< 0.0001	-	0	0	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	0
SMMB17	04-Jul-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB17	14-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB17	11-May-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB17	19-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB17	20-Sep-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB17	24-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	0	< 0.0001	0	0	-	< 0.01	0
SMMB17	28-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB17	23-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	0	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB17	23-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	5	-	0	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB17	15-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	1	-	0	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB17	07-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	6	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB17	04-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	0	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB17	24-Aug-22	54	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB17	13-Dec-22	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB17	08-Feb-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	2	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB17	01-May-23	65	< 0.05	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	3	< 0.001	0	0	0	0	0	-	< 0.005
SMMB17	24-Jul-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB17	16-Nov-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB17	22-Jun-24	61	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001			2	< 0.001	0	< 0.0001	0	< 0.001	< 0.001		0
SMMB17	26-Dec-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB17	22-Mar-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB17	11-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB20	23-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	0	-	< 0.01	< 0.005
SMMB20	26-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	0	-	< 0.01	0
SMMB20	22-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	0	< 0.0001	0	0	-	< 0.005	0
SMMB20	23-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	2	-	0	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB20	15-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	3	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB20	08-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	10	-	0	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB20	03-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	0	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB20	24-Aug-22	60	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB20	18-Dec-22		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	3	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB20	09-Feb-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	0	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB20	06-May-23	39	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	2	< 0.001	0	< 0.0001	0	< 0.001	< 0.001		< 0.005
SMMB20	29-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB20	16-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB27	28-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	-	0	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	< 0.005
SMMB27	26-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	0	< 0.05	-	-	-	< 0.005	< 0.0001	< 0.001	< 0.001	-	< 0.005	0
SMMB27	25-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	2	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB27	16-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	2	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB27	07-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	6	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	0
SMMB27	10-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMMB27	25-Aug-22	56	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB27	14-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB27	12-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	2	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB27	05-May-23	63	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	< 0.001	0	< 0.0001	0	0	0	-	< 0.005
SMMB27	26-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB27	15-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB27	1-Jul-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB27	29-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB27	27-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB27	16-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMMB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMMB28	04-Jul-19	1,041	7.28	580	380	22	470	60	13	89	60	17	-	-	180	1	-	< 0.02	-	-	-	18
SMMB28	14-Dec-19	1,800	6.83	1,500	300	50	1,100	83	12	230	130	19	-	-	770	0	-	< 0.02	-	-	-	22
SMMB28	23-Apr-20	1,998	6.79	1,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB28	11-May-20	-	-	1,700	310	74	1,300	77	18	280	140	23	-	-	920	0	-	0	-	-	-	20
SMMB28	20-Jun-20	2,237	6.84	2,000	310	43	1,300	74	19	360	100	23	-	-	1,100	1	-	< 0.02	-	-	-	22
SMMB28	21-Sep-20	-	-	2,300	300	66	-	64	20	270	150	29	-	-	1,300	-	-	< 0.02	-	-	-	24
SMMB28	23-Nov-20	-	-	2,100	300	57	-	74	23	420	170	29	-	-	1,300	-	-	< 0.02	-	-	-	23
SMMB28	27-Mar-21	-	-	2,000	310	55	-	61	33	320	120	25	-	-	1,100	-	-	0	-	-	-	30
SMMB28	23-Jun-21	-	-	1,900	340	40	-	83	15	150	110	25	-	-	1,100	-	-	< 0.01	-	-	-	34
SMMB28	23-Aug-21	2,352	6.98	1,900	290	47	-	59	28	220	96	50	-	-	960	2	-	< 0.02	-	-	-	27
SMMB28	15-Nov-21	2,162	7.25	2,000	340	29	-	67	18	240	96	20	340	< 5	990	1	-	< 0.02	-	-	-	110
SMMB28	09-Feb-22	2,203	6.90	1,800	340	16	-	77	15	300	140	23	340	< 5	1,000	2	-	0	-	-	-	27
SMMB28	04-May-22	2,249	6.87	1,500	320	17	-	79	15	220	100	28	320	< 5	1,400	2	-	0	-	-	-	25
SMMB28	24-Aug-22	2,262	7.11	1,600	350	-	-	66	12	260	120	23	350	< 5	990	1	-	< 0.02	-	-	-	-
SMMB28	13-Dec-22	2,046	7.31	1,500	360	-	980	69	12	240	110	22	360	< 5	770	1	-	< 0.02	-	-	-	26
SMMB28	08-Feb-23	1,817	6.80	1,500	370	-	1,100	81	15	230	130	20	370	< 5	740	2	-	0	-	-	-	29
SMMB28	03-May-23	1,418	6.96	900	450	-	770	72	13	170	86	15	450	< 5	450	3	-	< 0.02	-	-	-	28
SMMB28	24-Jul-23	1,100	7.00	710	470	34	610	58	11	140	66	13	470	< 5	270	2		< 0.02				22
SMMB28	16-Nov-23	1,300	6.59	870	460	18		64	12	150	72	18	460	< 5	330	0	< 0.01	< 0.02	< 0.2	0		4
SMMB28	22-Jun-24	1,400	6.43	820	440	14		61	11	150	71	14	440	< 5	380	0		< 0.02				
SMMB28	26-Dec-24	1,663	6.85	990	440	18		67	11	180	88	18	440	< 5	550	0		< 0.02				4
SMMB28	22-Mar-25	1,821	6.92	1,100	400	21		62	11	190	85	19	400	< 5	740	0		< 0.02				30
SMMB28	11-Jun-25	1,934	6.90	1,700	400	42		75	15	280	120	19	400	< 5	760	0		< 0.02				5
SMMB29	04-Jul-19	793	7.26	440	350	23	370	39	10	65	50	11	-	-	65	1	-	0	-	-	-	22
SMMB29	14-Dec-19	1,859	6.93	1,500	330	43	1,200	76	17	250	140	20	-	-	820	0	-	< 0.02	-	-	-	20
SMMB29	24-Apr-20	2,166	6.90	1,411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB29	11-May-20	-	-	1,900	290	59	1,400	77	25	300	160	25	-	-	1,100	0	-	0	-	-	-	21
SMMB29	20-Jun-20	2,170	6.90	1,900	310	29	1,400	69	25	370	120	23	-	-	1,100	0	-	< 0.02	-	-	-	20
SMMB29	21-Sep-20	-	-	2,300	310	54	-	62	27	270	150	30	-	-	1,200	-	-	< 0.02	-	-	-	23
SMMB29	23-Nov-20	-	-	2,200	290	46	-	69	36	390	170	30	-	-	1,400	-	-	< 0.02	-	-	-	25
SMMB29	27-Mar-21	-	-	2,300	300	49	-	59	40	340	130	26	-	-	1,200	-	-	< 0.02	-	-	-	31
SMMB29	23-Jun-21	-	-	2,300	330	30	-	78	22	320	170	30	-	-	1,400	-	-	0	-	-	-	28
SMMB29	23-Aug-21	2,638	7.02	2,200	280	43	-	62	42	230	110	63	-	-	1,100	0	-	< 0.02	-	-	-	26
SMMB29	15-Nov-21	2,701	7.18	2,600	310	26	-	75	32	310	130	24	310	< 5	1,300	0	-	< 0.02	-	-	-	100
SMMB29	08-Feb-22	2,559	6.81	2,200	320	19	-	97	26	450	210	25	320	< 5	1,300	2	-	0	-	-	-	33
SMMB29	05-May-22	2,523	6.89	1,700	320	16	-	81	23	250	120	57	320	< 5	1,600	2	-	< 0.02	-	-	-	24
SMMB29	26-Aug-22	2,338	7.21	1,700	360	-	-	67	18	260	130	26	360	< 5	1,000	1	-	0	-	-	-	-
SMMB29	13-Dec-22	2,140	7.12	1,700	280	-	1,000	62	11	220	110	23	280	< 5	860	3	-	< 0.02	-	-	-	26
SMMB29	08-Feb-23	1,900	6.84	1,600	340	-	1,000	71	12	210	120	20	340	< 5	810	3	-	0	-	-	-	29
SMMB29	03-May-23	936	7.06	560	430	-	500	52	8	110	57	12	430	< 5	160	3	-	< 0.02	-	-	-	27
SMMB29	23-Jul-23	1,000	7.07	630	470	28	550	48	8	120	62	14	470	< 5	200	3		< 0.02				23
SMMB29	18-Nov-23	2,400	6.60	1,800	360	21		84	29	350	170	28	360	< 5	1,400	0	< 0.01	< 0.02	-	0		9
SMMB29	22-Jun-24	2,200	6.47	1,300	350	14		68	24	260	130	20	350	< 5	1,000	0		< 0.02				
SMMB29	26-Dec-24	2,067	6.96	1,200	380	15		71	24	260	120	20	380	< 5	900	0		< 0.02				5
SMMB29	25-Mar-25	1,613	7.04	940	410	18		52	13	160	77	19	410	< 5	580	0		< 0.02				4
SMMB29	11-Jun-25	1,599	7.02	1,200	420	26		58	13	190	93	18	420	< 5	430	0		< 0.02				5
SMMB30-D	04-Jul-19	1,347	7.45	910	340	30	690	53	20	110	100	21	-	-	400	2	-	< 0.02	-	-	-	21
SMMB30-D	15-Dec-19	1,430	7.04	1,100	330	38	830	57	16	150	110	17	-	-	500	< 0.01	-	< 0.02	-	-	-	22
SMMB30-D	28-Apr-20	1,461	6.99	949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB30-D	11-May-20	-		1,200	330	51	850	52	22	160	110	19	-	-	510	0	-	0	-	-	-	22
SMMB30-D	20-Jun-20	1,510	7.03	1,100	330	29	690	48	29	110	100	17	-	-	540	< 0.01	-	< 0.02	-	-	-	22
SMMB30-D	21-Sep-20	-	-	1,600	350	49	-	42	23	150	110	24	-	-	680	-	-	0	-	-	-	24
SMMB30-D	24-Nov-20	-	-	1,300	330	40	-	47	25	210	120	25	-	-	650	-	-	0	-	-	-	25
SMMB30-D	27-Mar-21	-	-	1,300	330	48	-	42	38	180	90	22	-	-	590	-	-	0	-	-	-	29
SMMB30-D	23-Jun-21	-	-	1,200	350	30	-	53	17	160	110	20	-	-	550	-	-	< 0.01	-	-	-	30
SMMB30-D	24-Aug-21	1,606	7.19	1,200	310	37	-	42	29	110	70	22	-	-	480	0	-	< 0.02	-	-	-	25
SMMB30-D	14-Nov-21	1,880	7.64	1,600	360	22	-	54	24	170	100	21	360	< 5	700	0	-	0	-	-	-	110
SMMB30-D	06-Feb-22	2,008	6.92	1,600	350	16	-	66	23	250	170	23	350	< 5	870	0	-	0	-	-	-	29
SMMB30-D	05-May-22	2,115	6.96	1,200	330	14	-	64	23	190	120	58	330	< 5	1,100	< 0.01	-	< 0.02	-	-	-	26
SMMB30-D	26-Aug-22	1,849	7.24	1,300	360	-	-	52	20	180	120	24	360	< 5	720	0	-	< 0.02	-	-	-	-
SMMB30-D	12-Dec-22	2,483	7.23	2,000	300	-	1,300	59	20	250	160	28	300	< 5	1,100	< 0.01	-	< 0.02	-	-	-	26
SMMB30-D	07-Feb-23	2,094	6.90	1,700	350	-	1,300	67	23	230	170	23	350	< 5	990	< 0.01	-	0	-	-	-	27
SMMB30-D	03-May-23	2,048	6.99	1,400	370	-	1,400	76	24	270	190	24	370	< 5	1,100	< 0.01	-	< 0.02	-	-	-	27
SMMB30-D	22-Jul-23	2,200	7.01	2,000	370	30	1,600	67	24	300	200	25	370	< 5	1,100	< 0.01		< 0.02				22
SMMB30-D	14-Nov-23	2,100	6.63	1,800	360	18		67	23	260	170	28	360	< 5	1,100	0	< 0.01	< 0.02	-	0		21
SMMB30-D	30-Jun-24	1,800	6.42	1,100	350	< 10		56	18	190	120	21	350	< 5	780	< 0.01		0				12
SMMB30-D	26-Dec-24	1,708	7.05	1,000	360	12		56	18	170	110	20	360	< 5	640	0		< 0.02				5
SMMB30-D	25-Mar-25	1,828	7.08	1,100	360	13		47	17	160	110	21	360	< 5	810	< 0.01		< 0.02				4
SMMB30-D	12-Jun-25	1,714	7.10	1,400	360	23		59	19	190	120	20	360	< 5	640	0		< 0.02				5

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMMB28	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB28	14-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB28	23-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB28	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB28	20-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB28	21-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	0	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB28	23-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	0	-	< 0.01	0
SMMB28	27-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	0	< 0.0001	0	0	-	< 0.01	0
SMMB28	23-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	1	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB28	23-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.01	0	-	0	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB28	15-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB28	09-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB28	04-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	0	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB28	24-Aug-22	42	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB28	13-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB28	08-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB28	03-May-23	60	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	0	0	-	< 0.005
SMMB28	24-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB28	16-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB28	22-Jun-24	62	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001		0
SMMB28	26-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	0	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB28	22-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB28	11-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	< 0.05	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB29	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	0	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB29	14-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB29	24-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB29	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB29	20-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	0	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB29	21-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB29	23-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	0	< 0.0001	0	0	-	< 0.01	0
SMMB29	27-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB29	23-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	0	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB29	23-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	4	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB29	15-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB29	08-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB29	05-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	1	< 0.01	-	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB29	26-Aug-22	50	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	< 0.01	2	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB29	13-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB29	08-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB29	03-May-23	64	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	0	< 0.001	0	< 0.001	-	< 0.005
SMMB29	23-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB29	18-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB29	22-Jun-24	50	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001		0
SMMB29	26-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB29	25-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB29	11-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB30-D	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB30-D	15-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	0
SMMB30-D	28-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB30-D	11-May-20	-	0	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB30-D	20-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMMB30-D	21-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	1	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB30-D	24-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB30-D	27-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	1	-	0	< 0.0001	< 0.001	< 0.001	-	< 0.01	< 0.005
SMMB30-D	23-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	0	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB30-D	24-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB30-D	14-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	23	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB30-D	06-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	4	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMMB30-D	05-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMMB30-D	26-Aug-22	49	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB30-D	12-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	1	1	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB30-D	07-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB30-D	03-May-23	58	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	< 0.001	0	0	< 0.001	0	< 0.001	-	< 0.005
SMMB30-D	22-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	0	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB30-D	14-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	0	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB30-D	30-Jun-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05		0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB30-D	26-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB30-D	25-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	0	1	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB30-D	12-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMMB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMMB31	04-Jul-19	2,158	7.19	1,800	310	23	1,300	61	14	220	180	27	-	-	990	2	-	0	-	-	-	25
SMMB31	15-Dec-19	2,276	6.95	2,100	220	43	1,500	72	11	270	190	23	-	-	1,200	1	-	< 0.02	-	-	-	25
SMMB31	29-Apr-20	2,350	7.09	1,528	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB31	11-May-20	-	-	2,300	280	44	1,700	63	19	350	200	25	-	-	1,200	1	-	0	-	-	-	25
SMMB31	20-Jun-20	2,351	6.94	2,100	300	33	1,700	57	16	240	200	25	-	-	1,300	1	-	< 0.02	-	-	-	26
SMMB31	21-Sep-20	-	-	3,200	300	44	-	51	16	240	210	32	-	-	1,400	-	-	< 0.02	-	-	-	28
SMMB31	24-Nov-20	-	-	2,200	290	37	-	54	18	330	210	32	-	-	1,400	-	-	0	-	-	-	31
SMMB31	27-Mar-21	-	-	2,500	290	49	-	49	28	310	160	26	-	-	1,400	-	-	0	-	-	-	36
SMMB31	23-Jun-21	-	-	2,600	320	40	-	63	17	310	240	32	-	-	1,600	-	-	0	-	-	-	35
SMMB31	24-Aug-21	2,815	7.07	2,500	250	37	-	52	22	220	140	30	-	-	1,300	2	-	< 0.02	-	-	-	31
SMMB31	14-Nov-21	2,951	7.18	2,800	300	24	-	64	17	320	170	27	300	< 5	1,700	1	-	< 0.02	-	-	-	140
SMMB31	06-Feb-22	3,062	6.83	2,700	310	17	-	80	16	440	310	30	310	< 5	1,700	1	-	0	-	-	-	35
SMMB31	05-May-22	3,200	6.87	2,400	290	18	-	74	18	290	210	77	290	< 5	2,300	1	-	< 0.02	-	-	-	31
SMMB31	26-Aug-22	3,307	7.14	2,400	290	-	-	56	11	320	220	60	290	< 5	1,700	1	-	< 0.02	-	-	-	-
SMMB31	12-Dec-22	3,350	7.17	3,100	280	-	1,900	66	11	340	260	36	280	< 5	1,800	1	-	< 0.02	-	-	-	30
SMMB31	07-Feb-23	3,137	6.81	3,000	310	-	2,200	77	13	370	300	32	310	< 5	2,000	1	-	0	-	-	-	32
SMMB31	03-May-23	3,114	6.90	2,000	340	-	2,500	88	14	430	330	31	340	< 5	2,000	2	-	< 0.02	-	-	-	34
SMMB31	22-Jul-23	3,000	6.94	2,900	330	30	2,400	79	13	420	320	31	330	< 5	1,800	2		< 0.02				26
SMMB31	14-Nov-23	3,200	6.55	2,700	320	20		81	13	420	320	37	320	< 5	1,800	2	< 0.01	0	0	0		4
SMMB31	30-Jun-24	2,900	6.38	1,800	310	12		67	12	330	250	28	310	< 5	1,700	2		0				31
SMMB31	26-Dec-24	2,753	6.90	1,700	340	15		67	11	320	240	28	340	< 5	1,500	3		< 0.02				5
SMMB31	25-Mar-25	2,924	6.99	1,600	310	18		54	9	250	190	28	310	< 5	1,700	2		< 0.02				35
SMMB31	12-Jun-25	2,603	7.03	2,300	390	27		77	12	360	260	28	390	< 5	1,300	6		< 0.02				6
SMMB32	04-Jul-19	1,323	7.03	660	450	24	700	56	10	100	110	22	-	-	280	2	-	0	-	-	-	23
SMMB32	10-Dec-19	1,268	7.12	890	420	38	700	52	8	98	110	24	-	-	280	2	-	< 0.02	-	-	-	23
SMMB32	28-Mar-20	1,316	7.01	858	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	11-May-20	-	-	990	430	48	740	61	10	100	120	27	-	-	340	2	-	0	-	-	-	24
SMMB32	16-Jun-20	1,377	7.12	990	410	14	690	59	10	110	100	69	-	-	390	2	-	< 0.02	-	-	-	24
SMMB32	20-Sep-20	-	-	1,200	420	45	-	48	13	90	110	27	-	-	440	-	-	< 0.02	-	-	-	27
SMMB32	23-Nov-20	-	-	1,000	410	34	-	54	10	120	120	32	-	-	440	-	-	< 0.02	-	-	-	28
SMMB32	25-Mar-21	-	-	1,300	400	38	-	57	15	150	110	29	-	-	510	-	-	0	-	-	-	34
SMMB32	22-Jun-21	-	-	1,200	400	40	-	62	8	76	110	31	-	-	490	-	-	< 0.01	-	-	-	35
SMMB32	23-Aug-21	1,632	7.25	1,100	330	33	-	52	14	96	81	29	-	-	490	4	-	< 0.02	-	-	-	30
SMMB32	14-Nov-21	1,667	7.44	1,300	420	23	-	60	14	99	98	25	420	< 5	500	3	-	< 0.02	-	-	-	120
SMMB32	06-Feb-22	1,725	7.25	1,200	420	13	-	67	13	140	140	28	420	< 5	480	4	-	0	-	-	-	31
SMMB32	03-May-22	1,806	7.08	1,100	390	10	-	72	11	120	110	91	390	< 5	700	4	-	< 0.02	-	-	-	29
SMMB32	28-Jun-22	1,842	6.83	1,300	410	44	-	71	12	180	130	31	410	< 5	640	4	-	< 0.02	-	-	-	34
SMMB32	02-Aug-22	1,869	6.83	1,200	400	-	-	54	9	130	110	32	400	< 5	570	4	-	< 0.02	-	-	-	34
SMMB32	22-Aug-22	1,876	7.34	1,200	430	-	-	62	10	140	130	29	430	< 5	490	4	-	< 0.02	-	-	-	-
SMMB32	22-Sep-22	1,887	7.42	1,200	420	-	-	90	12	130	180	28	420	< 5	390	4	-	0	-	-	-	29
SMMB32	20-Oct-22	1,905	7.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	20-Nov-22	1,928	7.29	1,200	410	-	980	71	12	150	140	25	410	< 5	650	4	-	< 0.02	-	-	-	35
SMMB32	11-Dec-22	1,930	7.34	1,400	380	-	870	63	10	130	130	31	380	< 5	630	4	-	< 0.02	-	-	-	32
SMMB32	15-Jan-23	1,961	7.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	05-Feb-23	1,821	7.03	1,400	400	-	990	72	11	150	150	28	400	< 5	660	4	-	0	-	-	-	30
SMMB32	08-Mar-23	1,865	7.01	1,400	420	-	1,100	79	13	160	160	28	420	< 5	720	4	-	< 0.02	-	-	-	-
SMMB32	01-May-23	1,740	7.15	1,100	470	-	1,100	72	10	180	150	28	470	< 5	610	3	-	< 0.02	-	-	-	32
SMMB32	06-Jun-23	1,721	7.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	21-Jul-23	1,700	7.13	1,200	440	7	650	63	9	140	130	26	440	< 5	560	3		0				29
SMMB32	14-Nov-23	1,800	6.73	1,400	460	17		75	11	160	150	32	460	< 5	630	3	< 0.01	0	< 0.2	0		4
SMMB32	18-Jun-24	1,600	6.78	950	470	18		67	9	130	120	24	470	< 5	440	2		< 0.02				
SMMB32	14-Sep-24	1,540	6.65	920	450	< 10		69	9	130	120	23	450	< 5	430	2		< 0.02				34
SMMB32	24-Dec-24	1,621	7.10	960	480	18		70	9	140	130	26	480	< 5	450	2		< 0.02				4
SMMB32	19-Mar-25	1,693	7.17	990	440	23		57	8	120	110	26	440	< 5	590	3		< 0.02				4
SMMB32	21-May-25	1,716	7.16	1,200	410	12		67	8	150	130	27	410	< 5	550	2		< 0.02				6
SMMB33	04-Jul-19	2,169	7.01	1,600	320	22	1,300	72	14	230	180	25	-	-	990	3	-	0	-	-	-	24
SMMB33	14-Dec-19	2,127	7.08	1,900	300	38	1,300	67	12	230	180	24	-	-	1,000	2	-	0	-	-	-	22
SMMB33	31-Mar-20	2,146	7.02	1,398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB33	11-May-20	-	-	2,000	300	46	1,500	68	14	330	170	26	-	-	1,100	2	-	< 0.02	-	-	-	22
SMMB33	16-Jun-20	2,127	7.05	1,900	300	14	1,500	62	15	330	170	79	-	-	1,100	2	-	< 0.02	-	-	-	23
SMMB33	20-Sep-20	-	-	2,200	340	50	-	55	19	210	170	29	-	-	1,100	-	-	0	-	-	-	25
SMMB33	23-Nov-20	-	-	1,900	310	43	-	57	16	290	180	29	-	-	1,100	-	-	< 0.02	-	-	-	27
SMMB33	25-Mar-21	-	-	1,900	330	44	-	66	22	300	150	27	-	-	1,100	-	-	0	-	-	-	34
SMMB33	22-Jun-21	-	-	1,800	320	40	-	71	12	240	200	29	-	-	1,200	-	-	< 0.01	-	-	-	36
SMMB33	23-Aug-21	2,333	7.11	1,900	290	41	-	53	20	180	110	28	-	-	960	2	-	< 0.02	-	-	-	31
SMMB33	14-Nov-21	2,453	7.29	2,300	320	29	-	63	16	260	140	24	320	< 5	1,200	1	-	< 0.02	-	-	-	130
SMMB33	06-Feb-22	2,915	7.03	2,600	390	21	-	89	16	380	260	32	390	< 5	1,500	1	-	0	-	-	-	32
SMMB33	03-May-22	2,784	6.93	1,900	320	13	-	77	15	260	170	39	320	< 5	1,600	1	-	< 0.02	-	-	-	28
SMMB33	23-Aug-22	2,836	7.12	2,200	320	-	-	66	11	300	200	58	320	< 5	1,400	1	-	< 0.02	-	-	-	-
SMMB33	11-Dec-22	3,055	7.23	2,600	320	-	1,600	66	11	320	200	39	320	< 5	1,500	1	-	< 0.02	-	-	-	32
SMMB33	06-Feb-23	2,887	6.85	2,600	350	-	1,900	90	15	340	250	32	350	< 5	1,600	1	-	0	-	-	-	29
SMMB33	01-May-23	2,845	7.00	1,800	400	-	2,100	86	13	410	270	32	400	< 5	1,600	1	-	< 0.02	-	-	-	32
SMMB33	22-Jul-23	3,400	6.94	2,900	370	14	2,100	91	12	390	270	34	370	< 5	2,000	1		0				29
SMMB33	14-Nov-23	3,000	6.61	1,800	360	26		93	15	400	280	39	360	< 5	1,800	2	< 0.01	< 0.02	< 0.2	0		4
SMMB33	21-Jun-24	2,900	6.46	1,700	380	17		90	12	350	240	26	380	< 5	1,600	1		< 0.02				
SMMB33	14-Sep-24	3,293	6.50	2,000	340	14		110	13	410	300	25	340	< 5	2,000	1		< 0.02				34
SMMB33	25-Dec-24	2,892	6.93	1,700	360	20		89	11	370	250	28	360	< 5	1,600	3		< 0.02				5
SMMB33	20-Mar-25	3,153	7.02	1,900	350	26		82	10	310	220	27	350	< 5	2,000	1		< 0.02				4
SMMB33	25-May-25	3,237	7.01	2,700	330	17		91	10	360	230	29	330	< 5	1,800	1		< 0.02				6

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMMB31	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	< 0.01	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB31	15-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
SMMB31	29-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB31	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB31	20-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	0	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB31	21-Sep-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	< 0.001	< 0.001	-	< 0.01	0
SMMB31	24-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	0	-	< 0.01	0
SMMB31	27-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB31	23-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	< 0.005	< 0.0001	0	0	-	< 0.005	0
SMMB31	24-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB31	14-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	3	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB31	06-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMMB31	05-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB31	26-Aug-22	55	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	1	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB31	12-Dec-22	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB31	07-Feb-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB31	03-May-23	71	< 0.05	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	0	< 0.001	0	< 0.001	-	< 0.005
SMMB31	22-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB31	14-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB31	30-Jun-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05		0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB31	26-Dec-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.001	0
SMMB31	25-Mar-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB31	12-Jun-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB32	04-Jul-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
SMMB32	10-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
SMMB32	28-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	11-May-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
SMMB32	16-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMMB32	20-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	< 0.01	< 0.0001	< 0.001	0	-	< 0.01	0
SMMB32	23-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	0	-	< 0.01	< 0.005
SMMB32	25-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	0	-	< 0.01	0
SMMB32	22-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	< 0.005	< 0.0001	0	0	-	< 0.005	0
SMMB32	23-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB32	14-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB32	06-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	-	< 0.01	0	< 0.001	0	< 0.001	< 0.01	< 0.005
SMMB32	03-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	< 0.01	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMMB32	28-Jun-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMMB32	02-Aug-22	-	-	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	0	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	0
SMMB32	22-Aug-22	59	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	22-Sep-22	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	20-Oct-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	20-Nov-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	11-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	15-Jan-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	05-Feb-23	-	< 0.05	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	08-Mar-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	01-May-23	68	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.005	0	< 0.001	0	< 0.001	-	< 0.005
SMMB32	06-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB32	21-Jul-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	14-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	18-Jun-24	68	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001		< 0.005
SMMB32	14-Sep-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0		< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	24-Dec-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	19-Mar-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB32	21-May-25		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001		< 0.005
SMMB33	04-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB33	14-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB33	31-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB33	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB33	16-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB33	20-Sep-20	-	0	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB33	23-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	0	-	< 0.01	0
SMMB33	25-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	< 0.01	< 0.0001	0	0	-	< 0.01	0
SMMB33	22-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	0	< 0.0001	0	0	-	< 0.005	0
SMMB33	23-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB33	14-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB33	06-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMMB33	03-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	< 0.01	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMMB33	23-Aug-22	55	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB33	11-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB33	06-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB33	01-May-23	68	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMMB33	22-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB33	14-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB33	21-Jun-24	67	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		0
SMMB33	14-Sep-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.05		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB33	25-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	0
SMMB33	20-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	< 0.001	< 0.005
SMMB33	25-May-25		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001		< 0.005

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMMB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMMB42	31-Mar-21	-	-	5,500	190	35	-	150	110	450	470	32	-	-	3,400	-	-	4	-	-	-	22
SMMB42	08-Feb-22	5,119	6.83	4,900	190	12	-	260	53	470	560	35	190	< 5	3,500	0	-	5	-	-	-	18
SMMB42	08-May-22	5,321	6.83	4,700	180	15	-	170	45	420	540	110	180	< 5	4,300	0	-	4	-	-	-	18
SMMB42	29-Jul-23	5,600	6.95	5,000	240	13	4,000	190	44	570	630	72	240	< 5	3,900	0		5				15
SMMB42	19-Nov-23	5,700	6.53	3,400	230	20		250	51	650	700	29	230	< 5	3,800	< 0.01	< 0.01	3	3	0	<0.3900	8
SMMB42	1-Jul-24	5,659	6.30	3,400	220	19		200	46	570	630	23	220	< 5	4,100	< 0.01		6				10
SMMB42	27-Dec-24	5,770	6.81	3,400	240	16		200	46	510	590	27	240	< 5	3,900	2		6				18
SMMB42	26-Mar-25	5,748	6.90	3,400	210	19		180	44	470	540	27	210	< 5	4,200	0		6				5
SMMB42	15-Jun-25	5,695	6.96	5,500	230	21		210	53	480	630	28	230	< 5	3,200	< 0.01		5				5
SMMB43	04-Jul-19	3,112	7.14	2,700	330	32	1,900	100	18	290	290	24	-	-	1,800	6	-	0	-	-	-	26
SMMB43	18-Dec-19	4,621	6.70	5,600	340	90	3,500	160	15	580	510	30	-	-	3,000	7	-	< 0.02	-	-	-	24
SMMB43	29-Apr-20	4,157	6.65	2,704	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB43	11-May-20	-	-	4,500	320	100	3,300	130	22	600	430	29	-	-	2,800	9	-	0	-	-	-	24
SMMB43	22-Jun-20	4,302	6.75	4,400	340	48	3,200	120	28	570	440	74	-	-	3,100	8	-	< 0.02	-	-	-	24
SMMB43	23-Sep-20	-	-	6,000	360	89	-	120	24	500	530	37	-	-	3,100	-	-	< 0.02	-	-	-	34
SMMB43	26-Nov-20	-	-	4,700	300	80	-	120	41	620	480	56	-	-	3,400	-	-	0	-	-	-	30
SMMB43	31-Mar-21	-	-	4,200	280	65	-	77	42	410	360	27	-	-	2,500	-	-	< 0.02	-	-	-	33
SMMB43	24-Jun-21	-	-	4,400	320	40	-	120	13	510	440	39	-	-	3,100	-	-	< 0.01	-	-	-	34
SMMB43	25-Aug-21	4,688	6.85	4,200	290	57	-	84	38	290	200	29	-	-	2,800	12	-	< 0.02	-	-	-	30
SMMB43	17-Nov-21	4,903	6.96	5,400	360	24	-	120	21	500	2,000	24	360	< 5	2,700	9	-	< 0.02	-	-	-	120
SMMB43	08-Feb-22	3,398	6.77	3,100	270	14	-	130	16	470	370	20	270	< 5	2,000	8	-	0	-	-	-	36
SMMB43	05-May-22	5,577	6.66	5,000	350	25	-	160	23	440	560	25	350	< 5	4,500	6	-	< 0.02	-	-	-	29
SMMB43	29-Aug-22	6,940	6.97	7,500	360	-	-	150	17	690	680	25	360	< 5	3,900	1	-	0	-	-	-	-
SMMB43	16-Dec-22	6,590	7.02	7,400	360	-	4,200	170	21	450	750	27	360	< 5	4,200	0	-	< 0.02	-	-	-	21
SMMB43	09-Feb-23	5,905	6.67	6,600	370	-	4,300	170	25	470	760	25	370	< 5	4,300	1	-	0	-	-	-	26
SMMB43	08-May-23	5,976	6.74	3,700	390	-	4,800	180	24	520	850	19	390	< 5	4,400	0	-	0	-	-	-	25
SMMB43	28-Jul-23	6,600	6.66	6,500	400	27	5,200	160	24	450	980	16	400	< 5	4,900	0		0				19
SMMB43	19-Nov-23	6,400	6.36	3,800	400	30		190	28	540	1,000	19	400	< 5	4,300	0	< 0.01	0	-	0		6
SMMB43	28-Jun-24	6,400	6.04	3,800	380	19		170	24	530	910	17	380	< 5	4,800	1		0				4
SMMB43	27-Dec-24	5,742	6.64	3,400	370	26		140	20	480	690	21	370	< 5	3,800	1		0				24
SMMB43	26-Mar-25	5,683	6.71	3,300	340	33		130	20	430	610	22	340	< 5	4,100	0		0				5
SMMB43	15-Jun-25	5,664	6.72	6,700	370	39		140	20	610	650	21	370	< 5	3,300	0		0				5
SMMB44	23-Jul-23	750	7.10	460	460	8	390	32	5	77	47	7	460	< 5	22	2		0				24
SMMB44	18-Nov-23	790	6.71	650	480	10		35	6	87	50	11	480	< 5	29	2	< 0.01	< 0.02	< 0.2	0		6
SMMB45	03-Jun-22	3,046	6.96	2,600	260	13	-	180	12	300	68	22	260	< 5	1,700	5	-	< 0.02	-	-	< 0.16	-
SMMB45	23-Jul-23	3,000	7.03	2,800	320	12	2,000	130	10	300	290	21	320	< 5	1,800	8		< 0.02				24
SMMB45	18-Nov-23	3,300	6.67	2,000	290	13		160	13	370	310	29	290	< 5	2,100	4	0	0	< 0.2	0		7
SMMB48	03-Jul-19	2,465	7.64	1,900	270	13	1,400	100	13	230	210	23	-	-	1,200	2	-	0	-	-	-	21
SMMB48	16-Dec-19	4,308	6.97	4,400	190	38	3,000	170	13	510	430	32	-	-	2,900	< 0.01	-	0	-	-	-	19
SMMB48	30-Apr-20	4,192	6.91	2,724	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB48	11-May-20	-	-	4,600	230	46	2,900	170	24	570	350	33	-	-	3,000	< 0.01	-	0	-	-	-	20
SMMB48	21-Jun-20	4,181	6.96	4,300	210	29	3,300	160	24	610	440	74	-	-	3,000	< 0.01	-	0	-	-	-	20
SMMB48	22-Sep-20	-	-	5,600	230	45	-	150	19	440	450	40	-	-	3,100	-	-	0	-	-	-	22
SMMB48	25-Nov-20	-	-	4,500	200	24	-	160	30	580	360	65	-	-	3,300	-	-	0	-	-	-	24
SMMB48	30-Mar-21	-	-	4,900	190	35	-	120	47	440	390	33	-	-	3,100	-	-	0	-	-	-	28
SMMB48	24-Jun-21	-	-	4,000	220	20	-	170	13	480	380	45	-	-	2,900	-	-	0	-	-	-	28
SMMB48	24-Aug-21	4,386	7.06	3,900	180	26	-	140	37	290	190	34	-	-	2,600	0	-	0	-	-	-	24
SMMB48	17-Nov-21	4,626	7.18	4,700	200	22	-	170	23	480	1,500	27	200	< 5	2,700	0	-	0	-	-	-	100
SMMB48	10-Feb-22	4,195	6.89	3,800	220	15	-	190	19	520	420	31	220	< 5	2,700	0	-	0	-	-	-	27
SMMB48	06-May-22	4,350	6.94	3,700	200	14	-	180	17	410	360	86	200	< 5	3,500	< 0.01	-	0	-	-	-	23
SMMB48	23-Aug-22	4,178	7.18	4,000	210	-	-	150	12	540	330	78	210	< 5	2,700	0	-	0	-	-	-	-
SMMB48	16-Dec-22	5,164	7.05	5,100	220	-	2,800	180	14	570	400	41	220	< 5	3,000	< 0.01	-	0	-	-	-	24
SMMB48	10-Feb-23	4,743	6.85	4,900	220	-	3,200	210	17	530	460	33	220	< 5	3,500	< 0.01	-	1	-	-	-	25
SMMB48	04-May-23	3,037	7.02	1,900	290	-	2,200	140	13	380	290	24	290	< 5	1,900	1	-	0	-	-	-	25
SMMB48	31-Jul-23	3,300	7.01	3,000	280	15	2,400	120	15	390	350	23	280	< 5	2,200	1		< 0.02				20
SMMB48	19-Nov-23	4,600	6.61	3,500	260	20		190	17	540	490	30	260	< 5	3,200	0	< 0.01	0	0	0		20
SMMB48	28-Jun-24	4,000	6.32	2,400	260	< 10		130	14	470	370	23	260	< 5	2,800	0		1				25
SMMB48	28-Dec-24	5,006	6.87	3,000	260	15		180	16	630	470	25	260	< 5	3,400	< 0.01		0				19
SMMB48	26-Mar-25	4,371	7.03	2,600	240	17		110	13	420	350	26	240	< 5	3,200	0		< 0.02				6
SMMB48	14-Jun-25	4,636	7.05	4,900	240	22		150	15	510	490	27	240	< 5	2,700	0		0				31
SMMB66	15-Nov-21	1,133	7.72	760	370	11	-	60	23	79	41	22	370	< 5	230	0	-	0	-	-	-	60
SMMB67	15-Nov-21	941	7.49	540	430	13	-	33	16	35	41	11	430	< 5	90	0	-	< 0.02	-	-	-	96
SMPB01	01-Aug-19	963	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB01	24-Aug-19	991	7.49	600	460	7	330	63	8	52	48	25	460	< 5	72	0	-	< 0.02	< 0.2	0	< 0.1600	23
SMPB01	27-Aug-19	994	7.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB01	05-Nov-19	-	7.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB01	16-Nov-19	975	7.62	600	440	19	320	71	8	52	45	24	440	< 5	75	0	-	< 0.02	< 0.2	0	-	21

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMMB42	31-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	11	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB42	08-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	2	-	10	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB42	08-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	0	< 0.001	< 0.05	0	0	-	9	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB42	29-Jul-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.5	0	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB42	19-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.5	0	< 0.001	12	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB42	1-Jul-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	-	< 0.05	1	< 0.001	11	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB42	27-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	0	1	1	< 0.001	11	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB42	26-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	1	0	1	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB42	15-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	1	< 0.05	1	< 0.001	11	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB43	04-Jul-19	-	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	0
SMMB43	18-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB43	29-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB43	11-May-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	0	< 0.005
SMMB43	22-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB43	23-Sep-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	0	-	< 0.01	< 0.0001	0	0	-	< 0.01	< 0.005
SMMB43	26-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	0	-	< 0.01	< 0.005
SMMB43	31-Mar-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	< 0.01	< 0.0001	0	0	-	< 0.01	0
SMMB43	24-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	< 0.001	< 0.001	< 0.05	-	-	-	0	< 0.0001	0	0	-	< 0.005	0
SMMB43	25-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB43	17-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB43	08-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	1	-	0	< 0.0001	< 0.001	0	< 0.001	< 0.01	0
SMMB43	05-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMMB43	29-Aug-22	43	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB43	16-Dec-22	-	< 0.05	< 0.001	0	0	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB43	09-Feb-23	-	< 0.05	< 0.001	0	0	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	< 0.001	1	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB43	08-May-23	58	< 0.05	-	0	0	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	2	< 0.0001	0	0	< 0.001	-	< 0.005
SMMB43	28-Jul-23		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	7	< 0.0001	0	< 0.001	< 0.001	0	0
SMMB43	19-Nov-23		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.5	0	< 0.001	5	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB43	28-Jun-24		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05		0	< 0.001	11	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB43	27-Dec-24		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.05	0	< 0.001	8	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB43	26-Mar-25		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	0	< 0.05	< 0.01	< 0.001	9	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB43	15-Jun-25		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB44	23-Jul-23		0	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	0	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
SMMB44	18-Nov-23		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	0
SMMB45	03-Jun-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	0	-	< 0.01	0	0	0	< 0.001	-	0
SMMB45	23-Jul-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	< 0.005	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB45	18-Nov-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	0
SMMB48	03-Jul-19	-	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	0	< 0.05	0	0	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB48	16-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	5	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB48	30-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMMB48	11-May-20	-	< 0.01	< 0.001	0	0	< 0.001	0	0	< 0.05	< 0.01	0	< 0.001	6	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB48	21-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	5	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB48	22-Sep-20	-	< 0.01	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	-	0	-	5	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB48	25-Nov-20	-	< 0.01	< 0.001	0	0	< 0.001	< 0.001	< 0.001	< 0.05	-	< 0.01	-	6	< 0.0001	0	< 0.001	-	< 0.01	0
SMMB48	30-Mar-21	-	< 0.01	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	-	< 0.01	-	6	0	0	< 0.001	-	< 0.01	0
SMMB48	24-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	5	< 0.0001	0	< 0.001	-	< 0.005	0
SMMB48	24-Aug-21	-	< 0.01	< 0.001	0	0	0	0	< 0.001	< 0.05	< 0.01	0	-	6	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
SMMB48	17-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	-	4	0	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB48	10-Feb-22	-	< 0.01	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	0	0	-	5	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB48	06-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	-	5	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB48	23-Aug-22	48	< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	5	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB48	16-Dec-22	-	< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	6	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB48	10-Feb-23	-	< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	6	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB48	04-May-23	54	< 0.05	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	2	< 0.0001	0	0	< 0.001	-	< 0.005
SMMB48	31-Jul-23		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB48	19-Nov-23		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	3	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB48	28-Jun-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05		< 0.01	< 0.001	2	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
SMMB48	28-Dec-24		< 0.05	< 0.001	0	0	< 0.001	0	< 0.001	< 0.05	< 0.05	0	< 0.001	5	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
SMMB48	26-Mar-25		< 0.05	< 0.001	0	0	< 0.001	< 0.001	< 0.001	0	< 0.05	< 0.01	< 0.001	3	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB48	14-Jun-25		< 0.05	< 0.001	0	0	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	3	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
SMMB66	15-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	2	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
SMMB67	15-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	0	-	< 0.01	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
SMPB01	01-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB01	24-Aug-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMPB01	27-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB01	05-Nov-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB01	16-Nov-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMPB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMPB02	03-Oct-18	891	7.61	550	450	-	510	57	10	130	44	13	450	3	27	0	< 0.01	0	< 0.2	0	-	25
SMPB02	20-Dec-18	885	7.62	480	430	-	350	56	7	69	43	15	430	3	45	0	< 0.01	0	0	0	-	22
SMPB02	12-Feb-19	928	7.72	550	400	-	360	51	9	57	52	19	400	3	64	0	< 0.01	0	< 0.2	0	-	21
SMPB02	12-Mar-19	935	7.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	09-Apr-19	895	7.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Jun-19	895	7.60	430	450	-	480	51	9	95	59	18	450	3	42	0	< 0.01	0	< 0.2	0	-	21
SMPB02	04-Jun-19	898	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Aug-19	927	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	24-Aug-19	974	7.54	570	440	9	320	32	5	53	46	17	440	< 5	77	0	-	< 0.02	0	0	< 0.1600	22
SMPB02	27-Aug-19	948	7.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	16-Nov-19	973	7.65	600	380	19	340	60	9	58	48	18	380	< 5	97	0	-	< 0.02	< 0.2	0	< 0.1600	22
SMPB02	28-Jan-20	873	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	08-Feb-20	1,003	7.35	570	460	25	340	57	8	55	49	25	460	< 5	100	1	-	< 0.02	0	0	< 0.1600	20
SMPB02	10-Mar-20	911	7.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	26-Mar-20	935	6.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Jun-20	930	7.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	24-Jun-20	895	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	25-Jun-20	-	-	530	430	14	300	53	4	48	44	18	430	< 5	54	1	-	< 0.02	< 0.2	0	< 0.1600	21
SMPB02	19-Sep-20	879	7.57	500	450	-	340	58	8	45	55	18	450	< 5	50	1	-	< 0.02	0	0	< 0.1600	20
SMPB02	28-Nov-20	882	7.65	530	420	-	320	46	9	58	42	23	420	< 5	53	1	-	< 0.02	0	0	< 0.1600	24
SMPB02	28-Feb-21	886	7.54	590	400	-	-	59	9	64	51	21	-	-	56	1	-	0	-	-	< 0.1600	19
SMPB02	29-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	27-Aug-21	929	7.43	570	370	23	340	57	9	64	44	21	370	< 5	53	1	-	< 0.02	< 0.2	0	< 0.1600	27
SMPB02	30-Sep-21	934	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-May-22	959	7.24	530	420	< 5	340	61	9	55	50	62	400	16	64	2	-	< 0.02	< 0.2	0	0	25
SMPB02	12-May-22	930	7.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	09-Jun-22	957	7.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	07-Jul-22	953	6.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	04-Aug-22	951	6.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	21-Aug-22	958	7.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Sep-22	954	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	29-Sep-22	954	7.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	27-Oct-22	956	7.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	23-Nov-22	974	7.33	710	450	-	380	71	9	82	54	16	450	< 5	60	< 0.01	-	< 0.02	< 0.2	0	<0.3900	28
SMPB02	24-Nov-22	965	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	22-Dec-22	991	6.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	19-Jan-23	1,028	7.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	03-Feb-23	942	7.29	760	480	-	380	69	9	67	53	18	480	< 5	65	1	< 0.01	0	< 0.2	0	<0.3900	26
SMPB02	16-Feb-23	922	7.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	16-Mar-23	876	7.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	13-Apr-23	852	7.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	29-Apr-23	856	7.57	540	490	-	390	70	8	80	48	12	490	< 5	34	2	< 0.01	< 0.02	< 0.2	< 0.01	<0.3900	27
SMPB02	11-May-23	865	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	08-Jun-23	881	7.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	06-Jul-23	862	7.59																			
SMPB02	30-Jul-23	890	7.57																			
SMPB02	03-Aug-23	899	7.56																			
SMPB02	31-Aug-23	927	7.56																			
SMPB02	28-Sep-23	883	7.39																			
SMPB02	26-Oct-23	914	7.57																			
SMPB02	02-Nov-23	920	7.51	670	480	9	200	30	4	42	24	16	480	< 5	60	1	< 0.01	0	0	0	<0.3900	24
SMPB02	23-Nov-23	926	7.12																			
SMPB02	21-Dec-23	955	7.19																			
SMPB02	31-Mar-24	923	7.37																			
SMPB02	21-Jun-24	934	7.15	550	< 5	56	420	68	9	79	55	12	500	< 5	67	1	< 0.01	< 0.02	< 0.2	0	<0.3900	
SMPB02	11-Sep-24	951	6.88	560	480	< 10	440	68	8	83	57	11	470	10	70	1	< 0.01	< 0.02	< 0.2	0		26
SMPB02	29-Dec-24	991	7.60	570	480	< 10	400	62	7	76	51	12	480	< 5	69	1	< 0.01	< 0.02	< 0.2	0		28
SMPB02	20-Mar-25	991	7.69	550	470		340	52	7	66	43	13	470	< 5	84	1	0	< 0.02	< 0.2	0		29
SMPB02	21-May-25	988	7.58	570	460	< 10	410	66	7	84	50	13	460	< 5	85	1	< 0.01	< 0.02	< 0.2	0		26

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMPB02	03-Oct-18	54	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB02	20-Dec-18	46	< 0.01	-	< 0.001	< 0.0001	0	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	12-Feb-19	46	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	0	< 0.001	< 0.001	-	0
SMPB02	12-Mar-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	09-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Jun-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	04-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	24-Aug-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMPB02	27-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	16-Nov-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	28-Jan-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	08-Feb-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	10-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	26-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	25-Jun-20	-	0	-	< 0.001	< 0.0001	0	< 0.001	< 0.001	-	0	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	19-Sep-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	0	0	< 0.001	-	< 0.005
SMPB02	28-Nov-20	-	< 0.01	-	< 0.001	< 0.0001	0	< 0.001	< 0.0001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	28-Feb-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	29-Jun-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	27-Aug-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	0	-	< 0.01	-	-	< 0.01	< 0.0001	0	0	< 0.001	-	0
SMPB02	30-Sep-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-May-22	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	0	0	< 0.001	-	0
SMPB02	12-May-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	09-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	07-Jul-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	21-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	01-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	29-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	27-Oct-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	23-Nov-22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	24-Nov-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	22-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	19-Jan-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	03-Feb-23	60	< 0.05	-	< 0.001	< 0.0001	0	< 0.001	< 0.001	< 0.05	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB02	16-Feb-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	16-Mar-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	13-Apr-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	29-Apr-23	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB02	11-May-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	08-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB02	06-Jul-23																			
SMPB02	30-Jul-23																			
SMPB02	03-Aug-23																			
SMPB02	31-Aug-23																			
SMPB02	28-Sep-23																			
SMPB02	26-Oct-23																			
SMPB02	02-Nov-23		< 0.05		< 0.001		< 0.001		< 0.001			< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB02	23-Nov-23																			
SMPB02	21-Dec-23																			
SMPB02	31-Mar-24																			
SMPB02	21-Jun-24	60	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB02	11-Sep-24		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB02	29-Dec-24		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB02	20-Mar-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		0
SMPB02	21-May-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMPB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMPB03	14-Aug-18	4,177	6.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	03-Oct-18	4,656	6.98	4,400	240	-	2,200	130	21	480	240	27	240	< 5	2,700	0	< 0.01	0	<0.2	0	-	28
SMPB03	21-Nov-18	4,267	7.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	16-Dec-18	4,205	6.92	3,900	220	-	2,700	140	12	490	370	30	220	< 5	2,800	0	< 0.01	0	<0.2	0	-	24
SMPB03	11-Feb-19	4,083	6.75	3,900	240	-	3,200	60	16	590	430	74	240	< 5	2,800	0	< 0.01	< 0.02	0	0	-	25
SMPB03	02-Jun-19	4,373	6.97	3,400	230	-	3,200	120	18	600	410	30	230	< 5	3,100	0	< 0.01	< 0.02	<0.2	0	-	23
SMPB03	26-Aug-19	4,283	6.91	4,100	230	34	3,000	120	17	520	410	32	230	< 5	2,800	0	-	< 0.02	0	0	-	23
SMPB03	19-Nov-19	4,289	7.02	4,300	250	29	2,800	140	19	500	370	32	250	< 5	2,300	0	-	< 0.02	<0.2	0	-	23
SMPB03	08-Feb-20	4,171	7.13	4,200	250	30	2,400	120	15	330	380	33	250	< 5	2,700	0	-	< 0.02	0	1	-	24
SMPB03	24-Jun-20	3,999	7.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	25-Jun-20	-	-	3,900	220	24	2,500	130	9	440	340	31	220	< 5	2,800	0	-	< 0.02	<0.2	0	-	22
SMPB03	19-Sep-20	4,047	7.06	4,100	230	-	3,000	160	14	410	480	32	230	< 5	2,900	0	-	< 0.02	1	0	-	21
SMPB03	27-Nov-20	4,142	7.10	4,200	220	-	2,800	130	23	500	370	51	220	< 5	3,100	0	-	< 0.02	1	0	-	28
SMPB03	28-Feb-21	-	-	3,900	210	-	-	140	18	460	310	33	-	-	2,700	2	-	< 0.02	-	-	-	19
SMPB03	01-Mar-21	3,868	7.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	27-Aug-21	4,346	7.30	4,100	200	20	2,000	170	21	460	210	37	200	< 5	2,600	1	-	< 0.02	<0.2	0	-	31
SMPB03	20-Nov-21	4,375	7.43	4,700	240	15	7,800	140	20	470	1,600	30	240	< 5	3,300	0	-	< 0.02	-	1	-	120
SMPB03	12-Feb-22	4,231	7.10	4,000	250	12	4,000	230	23	690	550	33	250	< 5	2,400	1	-	0	< 0.2	0	-	39
SMPB03	01-May-22	4,254	7.04	3,600	230	12	470	52	8	42	89	33	230	< 5	2,800	2	-	0	0	0	-	26
SMPB03	21-Aug-22	4,319	7.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	23-Nov-22	4,464	7.21	3,800	240	-	2,500	160	14	490	380	30	240	< 5	2,500	< 0.01	-	< 0.02	0	0	-	24
SMPB03	03-Feb-23	4,126	6.87	4,000	270	-	2,700	170	15	420	400	34	270	< 5	2,700	1	0	0	< 0.2	0	-	27
SMPB03	29-Apr-23	3,828	7.03	3,400	290	-	2,900	180	14	500	390	29	290	< 5	2,500	2	0	< 0.02	< 0.2	< 0.01	-	29
SMPB03	22-Jul-23	3,231	7.04																			
SMPB03	02-Nov-23	3,915	7.15	3,800	320	27	2,400	120	10	510	270	32	320	< 5	2,500	1	< 0.01	0	0	0		24
SMPB03	31-Mar-24	3,884	6.75																			
SMPB03	21-Jun-24	3,143	6.64	1,900	< 5	53	2,100	140	12	370	290	21	320	< 5	1,900	1	< 0.01	< 0.02	< 0.2	0		
SMPB03	11-Sep-24	3,386	6.50	2,100	330	< 10	2,300	140	12	380	320	20	330	< 5	2,200	1	< 0.01	< 0.02	1	0		34
SMPB03	29-Dec-24	4,011	6.95	2,400	330	23	2,700	150	13	450	380	24	330	< 5	2,100	0	< 0.01	< 0.02	< 0.2	0		32
SMPB03	21-Mar-25	4,120	7.24	2,500	300		2,600	130	12	460	350	28	300	< 5	3,100	0	< 0.01	< 0.02	0	0		32
SMPB03	24-May-25	4,147	7.36	3,800	300	14	2,900	160	13	520	390	26	300	< 5	2,600	0	0	< 0.02	-	0		32
SMPB04	03-Oct-18	1,084	7.75	690	440	-	540	46	9	110	65	22	440	< 5	140	1	< 0.01	< 0.02	<0.2	0	-	26
SMPB04	12-Feb-19	1,046	7.86	640	410	-	500	36	7	49	91	62	410	< 5	140	1	< 0.01	< 0.02	0	0	-	22
SMPB04	12-Mar-19	1,042	7.80	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	09-Apr-19	1,035	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-Jun-19	1,097	7.71	430	440	-	750	44	8	85	130	24	440	< 5	170	2	< 0.01	< 0.02	<0.2	0	-	21
SMPB04	04-Jun-19	1,087	7.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-Aug-19	1,060	7.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	24-Aug-19	-	-	640	430	7	410	41	7	44	73	20	430	< 5	160	1	-	< 0.02	0	0	-	21
SMPB04	25-Aug-19	1,066	7.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	27-Aug-19	1,068	7.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	17-Nov-19	1,106	7.73	660	290	13	440	46	8	58	71	20	290	< 5	170	2	-	< 0.02	<0.2	0	-	23
SMPB04	28-Jan-20	1,014	7.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	08-Feb-20	1,044	7.75	650	460	11	470	40	7	43	87	22	460	< 5	150	1	-	0	0	0	-	22
SMPB04	10-Mar-20	1,011	7.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	26-Mar-20	1,069	7.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-Jun-20	1,075	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	24-Jun-20	1,033	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	25-Jun-20	-	-	620	400	10	420	35	5	38	78	21	400	< 5	160	1	-	< 0.02	<0.2	0	-	22
SMPB04	27-Aug-20	1,038	7.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	19-Sep-20	1,057	7.77	670	440	-	510	48	7	41	99	21	440	< 5	180	1	-	< 0.02	0	0	-	21
SMPB04	28-Nov-20	1,069	7.76	730	420	-	450	38	8	59	74	25	420	< 5	200	1	-	< 0.02	1	0	-	24
SMPB04	28-Feb-21	997	7.74	590	380	-	440	44	8	50	77	23	-	-	140	2	-	< 0.02	0	0	-	19
SMPB04	29-Jun-21	1,118	7.90	670	440	-	400	48	8	42	72	33	440	< 5	170	2	-	< 0.02	<0.2	0	-	30
SMPB04	27-Aug-21	1,139	7.93	670	330	8	470	48	8	66	74	32	330	< 5	190	1	-	< 0.02	0	0	-	27
SMPB04	30-Sep-21	1,141	8.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	20-Nov-21	1,148	8.11	780	440	< 5	360	41	8	37	66	24	430	7	190	1	-	< 0.02	< 0.2	1	-	110
SMPB04	25-Nov-21	1,144	8.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	23-Dec-21	1,176	8.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	20-Jan-22	1,169	8.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	14-Feb-22	1,085	7.78	600	460	< 5	510	53	8	55	90	23	440	16	140	2	-	0	0	0	-	28
SMPB04	17-Feb-22	1,101	7.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	17-Mar-22	1,151	7.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	14-Apr-22	1,165	7.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-May-22	1,184	7.78	560	430	< 5	480	52	8	41	91	31	400	23	170	2	-	0	< 0.2	0	-	26
SMPB04	12-May-22	1,203	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	09-Jun-22	1,197	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	07-Jul-22	1,189	7.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	04-Aug-22	1,224	7.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	21-Aug-22	1,208	7.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	29-Sep-22	1,220	7.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	27-Oct-22	1,217	7.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	23-Nov-22	1,239	7.84	740	430	-	560	51	8	81	96	24	420	9	210	< 0.01	-	< 0.02	< 0.2	0	-	34
SMPB04	24-Nov-22	1,224	7.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	22-Dec-22	1,207	7.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	19-Jan-23	1,200	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	04-Feb-23	1,102	7.62	700	430	-	550	53	7	66	92	38	430	< 5	170	2	< 0.01	0	< 0.2	0	-	27
SMPB04	16-Feb-23	1,114	7.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	16-Mar-23	1,130	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	13-Apr-23	1,104	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	29-Apr-23	1,090	7.70	690	450	-	570	52	7	74	95	42	450	< 5	170	2	< 0.01	< 0.02	< 0.2	< 0.01	-	29
SMPB04	11-May-23	1,090	7.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	08-Jun-23	1,108	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	06-Jul-23	1,136	7.78																			
SMPB04	30-Jul-23	1,191	7.67																			

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMPB01, SMPB03, SMPB04, SMPB05, SMPB06, SMPB07, SMPB08, SMPB09)		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMPB03	14-Aug-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	03-Oct-18	59	0	-	0	< 0.0001	-	0	< 0.001	-	0	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	21-Nov-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	16-Dec-18	52	< 0.01	-	0	< 0.0001	<0.002	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	11-Feb-19	53	< 0.01	-	< 0.001	< 0.0001	<0.002	< 0.001	0	-	< 0.01	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMPB03	02-Jun-19	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	0	-	0	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	26-Aug-19	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	19-Nov-19	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	08-Feb-20	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	25-Jun-20	-	0	-	0	< 0.0001	0	< 0.001	< 0.001	-	0	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	19-Sep-20	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	0	< 0.0001	0	< 0.001	< 0.001	-	0
SMPB03	27-Nov-20	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.0001	-	-	-	-	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	28-Feb-21	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	01-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	27-Aug-21	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.01	-	-	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	20-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	12-Feb-22	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	0	-	-	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	01-May-22	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	0	0	< 0.001	-	< 0.005
SMPB03	21-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB03	23-Nov-22	-	< 0.05	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	03-Feb-23	-	< 0.05	-	0	0	< 0.001	0	< 0.001	-	0	-	< 0.001	4	< 0.0001	0	0	< 0.001	-	0
SMPB03	29-Apr-23	-	< 0.05	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB03	22-Jul-23																			
SMPB03	02-Nov-23		< 0.05		0		< 0.001		< 0.001			< 0.01	< 0.001	0	< 0.0001	0	0	< 0.001		< 0.005
SMPB03	31-Mar-24																			
SMPB03	21-Jun-24	64	< 0.05	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001		< 0.005
SMPB03	11-Sep-24		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0	< 0.0001	0	< 0.001	< 0.001		< 0.005
SMPB03	29-Dec-24		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001		0		< 0.001	0	< 0.0001	0	< 0.001	< 0.001		< 0.005
SMPB03	21-Mar-25		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		0	0	< 0.0001	0	< 0.001	< 0.001		0
SMPB03	24-May-25		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0	< 0.0001	0	< 0.001	< 0.001		0
SMPB04	03-Oct-18	55	0	-	< 0.001	< 0.0001	-	< 0.001	0	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	12-Feb-19	48	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	12-Mar-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	09-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-Jun-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	04-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	24-Aug-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMPB04	25-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	27-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	17-Nov-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB04	28-Jan-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	08-Feb-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	10-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	26-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	25-Jun-20	-	< 0.01	-	< 0.001	< 0.0001	0	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	27-Aug-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	19-Sep-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	28-Nov-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.0001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB04	28-Feb-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB04	29-Jun-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	0	-	-	-	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	27-Aug-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	0
SMPB04	30-Sep-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	20-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB04	25-Nov-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	23-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	20-Jan-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	14-Feb-22	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB04	17-Feb-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	17-Mar-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	14-Apr-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	01-May-22	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB04	12-May-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	09-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	07-Jul-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	21-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	29-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	27-Oct-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	23-Nov-22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB04	24-Nov-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	22-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	19-Jan-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	04-Feb-23	61	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	16-Feb-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	16-Mar-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	13-Apr-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	29-Apr-23	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB04	11-May-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	08-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB04	06-Jul-23																			
SMPB04	30-Jul-23																			

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMPB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMPB04	03-Aug-23	1,197	7.69																			
SMPB04	31-Aug-23	1,238	7.64																			
SMPB04	28-Sep-23	1,251	7.66																			
SMPB04	26-Oct-23	1,289	7.73																			
SMPB04	02-Nov-23	1,290	7.65	950	440	16	670	56	7	86	110	33	440	< 5	310	2	< 0.01	0	0	0		22
SMPB04	23-Nov-23	1,283	7.27																			
SMPB04	21-Dec-23	1,314	7.38																			
SMPB04	31-Mar-24	1,349	7.59																			
SMPB04	21-Jun-24	1,328	7.39	780	< 5	27	730	59	8	89	120	21	430	< 5	340	2	< 0.01	< 0.02	1	0		
SMPB04	12-Sep-24	1,359	7.39	820	400	< 10	700	57	7	82	120	23	380	23	380	2	< 0.01	< 0.02	< 0.2	0		26
SMPB04	29-Dec-24	1,692	7.76	820	430	< 10	730	58	7	87	120	23	430	< 5	380	1	< 0.01	< 0.02	< 0.2	0		27
SMPB04	21-Mar-25	1,516	7.84	850	420		680	50	7	85	110	25	410	< 5	440	1	0	< 0.02	< 0.2	0		29
SMPB04	22-May-25	1,497	7.94	950	420	< 10	720	58	6	95	120	24	420	< 5	410	1	< 0.01	< 0.02	< 0.2	< 0.01		34
SMPB05	01-Jun-19	843	7.62	400	420	-	490	36	6	79	70	16	420	< 5	44	1	< 0.01	< 0.02	<0.2	0	-	20
SMPB05	04-Jun-19	850	7.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-Aug-19	819	7.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	24-Aug-19	814	7.53	490	420	9	290	26	6	40	47	14	420	< 5	23	1	-	< 0.02	0	0	-	21
SMPB05	27-Aug-19	812	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	16-Nov-19	714	7.72	440	320	11	270	38	7	37	42	10	320	< 5	15	1	-	< 0.02	<0.2	0	-	23
SMPB05	28-Jan-20	768	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	08-Feb-20	828	7.60	520	370	12	300	40	7	41	49	19	370	< 5	95	1	-	< 0.02	0	0	< 0.1600	22
SMPB05	13-Feb-20	807	6.81	540	-	-	340	43	7	61	46	19	-	-	84	1	-	< 0.02	1	0	-	-
SMPB05	10-Mar-20	586	7.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-Jun-20	730	7.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	24-Jun-20	736	7.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	25-Jun-20	-	-	440	370	< 5	390	28	5	29	77	14	370	< 5	50	1	-	< 0.02	<0.2	0	-	21
SMPB05	27-Aug-20	738	7.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	19-Sep-20	775	7.62	490	390	-	330	39	7	35	59	15	390	< 5	48	1	-	< 0.02	0	0	-	20
SMPB05	28-Nov-20	783	7.63	470	380	-	290	30	7	41	45	19	380	< 5	53	1	-	< 0.02	0	0	-	23
SMPB05	28-Feb-21	840	7.52	530	380	-	-	41	8	55	58	18	-	-	58	1	-	< 0.02	-	-	-	19
SMPB05	21-Mar-21	855	7.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	31-Mar-21	-	-	520	-	-	35	26	3	7	4	19	-	-	53	1	-	< 0.02	<0.2	0	-	-
SMPB05	29-Jun-21	907	7.82	530	430	-	320	41	6	27	61	18	430	< 5	55	1	-	< 0.02	1	< 0.01	-	30
SMPB05	27-Aug-21	912	7.73	520	410	9	360	41	8	56	54	20	410	< 5	59	1	-	< 0.02	<0.2	0	-	26
SMPB05	30-Sep-21	913	7.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	20-Nov-21	861	7.90	490	430	< 5	260	35	8	31	44	14	420	< 5	38	1	-	< 0.02	< 0.2	0	-	100
SMPB05	25-Nov-21	851	7.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	23-Dec-21	766	8.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	20-Jan-22	730	8.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	14-Feb-22	796	7.57	440	380	< 5	180	32	9	27	27	15	380	< 5	55	1	-	0	< 0.2	0	-	29
SMPB05	17-Feb-22	798	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	17-Mar-22	818	7.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	14-Apr-22	841	7.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-May-22	842	7.62	470	360	< 5	310	44	8	36	54	15	340	20	47	1	-	< 0.02	< 0.2	0	-	25
SMPB05	12-May-22	847	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	09-Jun-22	884	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	07-Jul-22	809	7.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	04-Aug-22	994	7.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	21-Aug-22	826	7.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-Sep-22	817	7.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	29-Sep-22	813	7.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	27-Oct-22	811	7.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	23-Nov-22	751	7.76	510	350	-	290	42	8	53	45	11	330	15	33	< 0.01	-	< 0.02	< 0.2	0	-	31
SMPB05	24-Nov-22	758	7.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	22-Dec-22	708	7.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	19-Jan-23	790	6.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	04-Feb-23	788	7.52	530	400	-	370	46	8	55	56	15	400	< 5	46	1	< 0.01	0	< 0.2	0	-	25
SMPB05	16-Feb-23	783	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	16-Mar-23	828	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	13-Apr-23	933	7.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	29-Apr-23	876	7.73	610	520	-	250	47	8	75	64	13	520	< 5	24	2	< 0.01	< 0.02	< 0.2	< 0.01	-	27
SMPB05	11-May-23	907	7.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	08-Jun-23	971	7.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	06-Jul-23	1,018	7.75																			
SMPB05	30-Jul-23	1,027	7.71																			
SMPB05	03-Aug-23	1,019	7.69																			
SMPB05	31-Aug-23	841	7.73																			
SMPB05	28-Sep-23	884	7.75																			
SMPB05	21-Mar-25	945	7.61	530	460		380	37	7	62	59	14	450	10	63	2	0	< 0.02	0	0		28
SMPB05	22-May-25	933	7.59	490	460	< 10	440	43	6	74	62	13	460	< 5	59	2	0	< 0.02	< 0.2	0		30

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMPB04	03-Aug-23																			
SMPB04	31-Aug-23																			
SMPB04	28-Sep-23																			
SMPB04	26-Oct-23																			
SMPB04	02-Nov-23		< 0.05		< 0.001		< 0.001		< 0.001			< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB04	23-Nov-23																			
SMPB04	21-Dec-23																			
SMPB04	31-Mar-24																			
SMPB04	21-Jun-24	60	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB04	12-Sep-24		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB04	29-Dec-24		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB04	21-Mar-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		0
SMPB04	22-May-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB05	01-Jun-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	0	-	0	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	0
SMPB05	04-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	24-Aug-19	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMPB05	27-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	16-Nov-19	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	28-Jan-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	08-Feb-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	13-Feb-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	0	-	< 0.01	-	< 0.001	< 0.01	-	< 0.001	0	-	-	-
SMPB05	10-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	25-Jun-20	-	< 0.01	-	< 0.001	< 0.0001	0	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	27-Aug-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	19-Sep-20	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	28-Nov-20	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.0001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	28-Feb-21	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	21-Mar-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	31-Mar-21	-	0	-	< 0.001	< 0.0001	< 0.001	< 0.001	0	-	-	-	-	< 0.01	< 0.0001	< 0.001	< 0.001	-	-	0
SMPB05	29-Jun-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	0	-	-	-	-	< 0.01	< 0.0001	0	0	< 0.001	-	0
SMPB05	27-Aug-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	30-Sep-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	20-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	25-Nov-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	23-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	20-Jan-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	14-Feb-22	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	17-Feb-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	17-Mar-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	14-Apr-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-May-22	-	< 0.01	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	12-May-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	09-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	07-Jul-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	21-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	01-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	29-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	27-Oct-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	23-Nov-22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	24-Nov-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	22-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	19-Jan-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	04-Feb-23	59	< 0.05	-	0	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	16-Feb-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	16-Mar-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	13-Apr-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	29-Apr-23	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB05	11-May-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	08-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB05	06-Jul-23																			
SMPB05	30-Jul-23																			
SMPB05	03-Aug-23																			
SMPB05	31-Aug-23																			
SMPB05	28-Sep-23																			
SMPB05	21-Mar-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB05	22-May-25		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001		0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMPB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMPB06	01-Oct-18	930	7.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	03-Oct-18	360	-	590	430	-	-	47	7	74	43	20	430	< 5	56	1	< 0.01	< 0.02	<0.2	0	-	24
SMPB06	19-Dec-18	924	7.39	500	430	-	380	47	5	56	57	22	430	< 5	66	1	< 0.01	0	<0.2	0	-	21
SMPB06	20-Dec-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	09-Apr-19	875	7.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Jun-19	862	7.64	400	420	-	510	37	6	83	73	16	420	< 5	44	1	< 0.01	< 0.02	<0.2	0	-	21
SMPB06	04-Jun-19	858	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Aug-19	795	7.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	24-Aug-19	814	7.56	480	430	7	300	30	5	41	47	12	430	< 5	22	0	-	< 0.02	0	0	-	21
SMPB06	27-Aug-19	914	7.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	05-Nov-19	-	7.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	16-Nov-19	820	7.68	530	370	13	300	41	7	42	48	16	370	< 5	36	1	-	< 0.02	<0.2	0	-	22
SMPB06	28-Jan-20	7	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	08-Feb-20	738	7.60	450	350	11	270	34	5	37	43	16	350	< 5	57	1	-	< 0.02	0	0	-	20
SMPB06	10-Mar-20	664	6.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	26-Mar-20	784	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Jun-20	758	7.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	24-Jun-20	764	7.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	25-Jun-20	-	-	470	350	10	290	30	4	36	49	15	350	< 5	53	1	-	0	<0.2	0	-	20
SMPB06	19-Sep-20	797	7.65	500	410	-	340	41	5	39	59	16	410	< 5	57	1	-	< 0.02	0	0	-	20
SMPB06	28-Nov-20	772	7.66	460	360	-	290	32	5	46	43	19	360	< 5	55	1	-	0	0	0	-	24
SMPB06	28-Feb-21	638	7.56	420	290	-	-	34	5	40	35	10	-	-	35	1	-	< 0.02	-	-	-	20
SMPB06	27-Aug-21	836	7.80	490	360	8	330	42	6	53	47	17	360	< 5	51	2	-	< 0.02	<0.2	0	-	26
SMPB06	30-Sep-21	911	7.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	20-Nov-21	832	7.95	470	390	< 5	250	38	6	30	42	15	380	8	60	2	-	< 0.02	0	1	-	100
SMPB06	25-Nov-21	878	8.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	23-Dec-21	824	7.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	20-Jan-22	700	8.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	14-Feb-22	686	7.56	380	330	< 5	250	43	6	39	38	11	330	< 5	35	1	-	0	< 0.2	0	-	29
SMPB06	17-Feb-22	677	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	17-Mar-22	646	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	14-Apr-22	665	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-May-22	669	7.67	380	310	< 5	230	31	5	31	37	11	300	13	33	1	-	< 0.02	< 0.2	0	-	26
SMPB06	12-May-22	768	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	09-Jun-22	905	7.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	07-Jul-22	927	7.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	04-Aug-22	951	7.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	21-Aug-22	947	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Sep-22	949	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	29-Sep-22	946	7.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	27-Oct-22	1,025	7.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	23-Nov-22	837	7.74	600	380	-	340	45	6	64	52	15	350	25	56	< 0.01	-	< 0.02	< 0.2	0	-	31
SMPB06	24-Nov-22	844	7.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	22-Dec-22	990	7.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	19-Jan-23	944	6.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	04-Feb-23	837	7.51	560	400	-	360	45	5	55	55	17	400	< 5	57	2	< 0.01	0	< 0.2	0	-	25
SMPB06	16-Feb-23	828	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	16-Mar-23	1,034	7.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	13-Apr-23	908	7.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	29-Apr-23	1,032	7.73	660	510	-	520	52	6	88	72	24	510	< 5	110	3	< 0.01	< 0.02	< 0.2	< 0.01	-	26
SMPB06	11-May-23	1,033	7.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	08-Jun-23	992	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	06-Jul-23	890	7.75																			
SMPB06	30-Jul-23	1,025	7.68																			
SMPB06	03-Aug-23	1,019	7.76																			
SMPB06	31-Aug-23	1,070	7.74																			
SMPB06	28-Sep-23	971	7.81																			
SMPB06	21-Mar-25	1,223	7.81	680	470		500	53	5	79	73	26	460	6	220	1	< 0.01	< 0.02	0	0		28
SMPB06	22-May-25	1,166	7.78	620	470	< 10	510	60	5	86	71	24	470	< 5	170	1	0	< 0.02	1	0		31

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMPB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMPB06	01-Oct-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	03-Oct-18	52	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	19-Dec-18	46	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	20-Dec-18	-	-	-	-	< 0.0001	< 0.001	-	< 0.001	-	< 0.01	-	< 0.001	-	-	< 0.001	-	-	-	0
SMPB06	09-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Jun-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB06	04-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	24-Aug-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	0
SMPB06	27-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	05-Nov-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	16-Nov-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	28-Jan-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	08-Feb-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	10-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	26-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	25-Jun-20	-	< 0.01	-	< 0.001	< 0.0001	0	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	19-Sep-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	28-Nov-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.0001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	28-Feb-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	27-Aug-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	30-Sep-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	20-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	25-Nov-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	23-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	20-Jan-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	14-Feb-22	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	17-Feb-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	17-Mar-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	14-Apr-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-May-22	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	12-May-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	09-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	07-Jul-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	21-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	01-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	29-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	27-Oct-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	23-Nov-22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	24-Nov-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	22-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	19-Jan-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	04-Feb-23	59	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	0
SMPB06	16-Feb-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	16-Mar-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	13-Apr-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	29-Apr-23	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB06	11-May-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	08-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB06	06-Jul-23																			
SMPB06	30-Jul-23																			
SMPB06	03-Aug-23																			
SMPB06	31-Aug-23																			
SMPB06	28-Sep-23																			
SMPB06	21-Mar-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
SMPB06	22-May-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0	< 0.0001	0	< 0.001	< 0.001		0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMPB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
SMPB07	03-Oct-18	993	7.97	590	410	-	340	55	7	48	54	25	410	< 5	80	2	< 0.01	< 0.02	0	0	-	21
SMPB07	10-Feb-19	927	7.76	530	420	-	400	34	5	46	69	22	420	< 5	67	1	0	< 0.02	0	0	-	22
SMPB07	12-Mar-19	893	7.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	09-Apr-19	811	7.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Jun-19	815	7.63	390	410	-	460	36	5	73	67	12	410	< 5	34	0	< 0.01	< 0.02	<0.2	0	-	21
SMPB07	04-Jun-19	802	7.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Aug-19	902	7.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	24-Aug-19	912	7.59	550	430	9	340	30	4	47	55	20	430	< 5	61	1	-	< 0.02	0	0	-	20
SMPB07	27-Aug-19	991	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	05-Nov-19	-	8.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	16-Nov-19	867	7.68	550	400	14	330	47	6	46	51	16	400	< 5	55	1	-	< 0.02	<0.2	0	-	21
SMPB07	28-Jan-20	806	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	08-Feb-20	790	7.59	490	400	12	290	35	4	39	47	13	400	< 5	56	1	-	< 0.02	0	0	-	22
SMPB07	10-Mar-20	753	7.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	26-Mar-20	791	7.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Jun-20	845	7.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	24-Jun-20	763	7.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	25-Jun-20	-	-	470	230	< 5	280	30	4	31	49	13	230	< 5	42	1	-	< 0.02	<0.2	0	-	22
SMPB07	19-Sep-20	780	7.70	510	410	-	330	39	5	34	59	14	410	< 5	45	1	-	< 0.02	0	0	-	21
SMPB07	28-Nov-20	791	7.72	470	380	-	310	33	5	47	47	18	380	< 5	49	0	-	< 0.02	0	0	-	23
SMPB07	28-Feb-21	752	7.58	520	340	-	-	39	5	41	44	12	-	-	38	1	-	< 0.02	-	-	-	20
SMPB07	27-Aug-21	871	7.82	520	370	6	340	44	6	50	51	17	370	< 5	52	2	-	< 0.02	<0.2	0	-	27
SMPB07	30-Sep-21	887	7.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	20-Nov-21	902	7.97	520	430	< 5	260	40	6	27	47	15	420	9	59	2	-	< 0.02	< 0.2	0	-	110
SMPB07	25-Nov-21	935	7.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	23-Dec-21	916	8.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	20-Jan-22	878	8.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	14-Feb-22	893	7.61	500	430	< 5	330	50	6	43	53	16	420	6	63	2	-	0	0	0	-	29
SMPB07	17-Feb-22	905	7.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	17-Mar-22	939	7.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	14-Apr-22	969	7.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-May-22	970	7.69	540	410	< 5	350	51	6	39	62	19	390	20	64	3	-	< 0.02	< 0.2	0	-	26
SMPB07	12-May-22	960	7.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	09-Jun-22	954	7.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	07-Jul-22	964	7.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	04-Aug-22	1,000	7.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	21-Aug-22	995	7.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Sep-22	1,019	7.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	29-Sep-22	1,039	7.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	27-Oct-22	1,070	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	23-Nov-22	1,043	7.63	660	450	-	420	56	7	79	68	20	440	10	87	< 0.01	-	< 0.02	< 0.2	0	-	32
SMPB07	24-Nov-22	1,019	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	22-Dec-22	966	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	19-Jan-23	948	7.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	04-Feb-23	891	7.49	640	450	-	380	47	5	57	58	15	450	< 5	51	2	< 0.01	0	< 0.2	0	-	27
SMPB07	16-Feb-23	868	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	16-Mar-23	974	7.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	13-Apr-23	965	7.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	29-Apr-23	1,036	7.69	600	550	-	540	55	5	91	75	23	550	< 5	84	2	< 0.01	< 0.02	< 0.2	< 0.01	-	29
SMPB07	11-May-23	1,016	7.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	08-Jun-23	1,029	7.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	06-Jul-23	1,025	7.74																			
SMPB07	30-Jul-23	1,029	7.75																			
SMPB07	03-Aug-23	1,027	7.77																			
SMPB07	31-Aug-23	1,122	7.78																			
SMPB07	28-Sep-23	1,109	7.83																			
SMPB07	21-Mar-25	1,273	7.65	710	500		510	58	5	80	75	30	500	< 5	220	1	< 0.01	< 0.02	0	0		28
SMPB07	22-May-25	1,229	7.76	650	480	< 10	550	68	5	93	78	38	480	< 5	180	1	0	< 0.02	< 0.2	0		30
SMPB10	03-Oct-18	923	7.67	590	430	-	270	68	9	60	29	18	430	< 5	37	1	0	< 0.02	<0.2	0	-	23
SMPB10	12-Mar-19	941	7.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	09-Apr-19	921	7.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	01-Jun-19	920	7.69	420	450	-	480	56	8	95	58	19	450	< 5	54	0	< 0.01	< 0.02	<0.2	0	-	20
SMPB10	04-Jun-19	923	7.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	01-Aug-19	914	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	24-Aug-19	928	7.59	560	450	7	310	58	7	49	45	20	450	< 5	47	0	-	< 0.02	0	0	< 0.1600	20
SMPB10	27-Aug-19	932	7.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	16-Nov-19	895	7.70	550	430	17	280	64	7	44	42	20	430	< 5	40	0	-	< 0.02	<0.2	0	< 0.1600	21
SMPB10	25-May-25	959	7.90	540	440	< 10	340	70	6	68	42	15	440	< 5	37	1	< 0.01	0	< 0.2	0		30
SMPB12	03-Oct-18	5,066	7.10	5,400	190	-	2,400	220	44	500	270	29	190	< 5	3,300	0	0	3	3	0	-	21
SMPB12	17-Dec-18	5,073	7.18	4,800	250	-	3,100	190	21	530	420	28	250	< 5	3,300	0	0	2	2	0	-	21
SMPB12	11-Feb-19	3,090	7.83	2,600	160	-	1,900	63	19	380	240	26	160	< 5	1,900	0	0	< 0.02	1	0	-	17
SMPB12	01-Jun-19	4,743	7.04	4,100	250	-	3,800	140	28	760	460	56	250	< 5	3,400	2	0	0	<0.2	0	-	21
SMPB12	25-Aug-19	4,836	6.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB12	26-Aug-19	-	-	5,500	230	47	3,400	200	29	600	460	30	230	< 5	3,300	3	-	< 0.02	0	0	-	20
SMPB12	19-Nov-19	5,171	6.83	5,600	190	43	3,200	180	36	490	470	64	190	< 5	3,000	2	-	0	0	0	-	22
SMPB12	08-Feb-20	5,240	6.78	5,600	240	35	2,900	170	28	370	490	31	240	< 5	3,600	1	-	1	1	0	-	23
SMPB12	19-Sep-20	4,962	6.91	5,000	190	-	3,400	220	28	440	550	35	190	< 5	3,700	0	-	3	3	0	-	17
SMPB12	26-Nov-20	5,039	7.00	5,300	210	-	3,400	160	42	430	560	72	210	< 5	4,000	0	-	2	2	0	-	25
SMPB12	29-Aug-21	5,195	7.10	5,000	160	29	2,200	210	49	540	460	53	160	< 5	3,500	0	-	3	3	0	-	21
SMPB12	20-Nov-21	5,141	7.21	5,800	230	21	8,600	170	35	480	1,800	27	230	< 5	3,100	2	-	2	< 0.2	1	-	90
SMPB12	12-Feb-22	4,996	6.82	4,000	260	18	2,500	210	45	440	340	31	260	< 5	2,800	3	-	2	< 0.2	0	-	28
SMPB12	01-May-22	5,412	6.99	4,900	200	9	2,800	2,200	35	340	480	31	200	< 5	3,800	0	-	2	6	0	-	20
SMPB12	23-Nov-22	5,949	6.92	5,400	260	-	3,200	230	34	660	610	28	260	< 5	3,700	< 0.01	-	3	3	0	-	19
SMPB12	03-Feb-23	5,577	6.71	6,500	290	-	4,100	230	34	560	660	60	290	< 5	4,300	0	< 0.01	3	2	0	-	24

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMPB01, SMPB03, SMPB04, SMPB05, SMPB06, SMPB07, SMPB08, SMPB09, SMPB11, SMPB12)		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
SMPB07	03-Oct-18	46	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	0	0	< 0.001	-	0
SMPB07	10-Feb-19	47	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB07	12-Mar-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	09-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Jun-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB07	04-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	24-Aug-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.005
SMPB07	27-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	05-Nov-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	16-Nov-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	28-Jan-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	08-Feb-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	10-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	26-Mar-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	24-Jun-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	25-Jun-20	-	< 0.01	-	< 0.001	< 0.0001	0	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	19-Sep-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	28-Nov-20	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.0001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	0
SMPB07	28-Feb-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	-	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	27-Aug-21	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	30-Sep-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	20-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	25-Nov-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	23-Dec-21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	20-Jan-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	14-Feb-22	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	17-Feb-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	17-Mar-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	14-Apr-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-May-22	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	-	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	12-May-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	09-Jun-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	07-Jul-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	04-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	21-Aug-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	01-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	29-Sep-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	27-Oct-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	23-Nov-22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	24-Nov-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	22-Dec-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	19-Jan-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	04-Feb-23	60	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	-	0
SMPB07	16-Feb-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	16-Mar-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	13-Apr-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	29-Apr-23	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB07	11-May-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	08-Jun-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB07	06-Jul-23																			
SMPB07	30-Jul-23																			
SMPB07	03-Aug-23																			
SMPB07	31-Aug-23																			
SMPB07	28-Sep-23																			
SMPB07	21-Mar-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001		< 0.005
SMPB07	22-May-25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	0	< 0.001	< 0.001		< 0.005
SMPB10	03-Oct-18	50	< 0.01	-	< 0.001	< 0.0001	-	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB10	12-Mar-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	09-Apr-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	01-Jun-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0	-	< 0.001	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
SMPB10	04-Jun-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	01-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	24-Aug-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	< 0.01	< 0.005
SMPB10	27-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB10	16-Nov-19	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.01	< 0.0001	< 0.001	0	< 0.001	-	< 0.005
SMPB10	25-May-25		< 0.05		0	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0	< 0.0001	< 0.001	< 0.001	< 0.001		0
SMPB12	03-Oct-18	45	< 0.01	-	0	< 0.0001	<0.002	0	< 0.001	-	0	-	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	17-Dec-18	45	< 0.01	-	0	< 0.0001	<0.002	0	< 0.001	-	< 0.01	-	< 0.001	11	< 0.0001	0	< 0.001	< 0.001	-	0
SMPB12	11-Feb-19	36	< 0.01	-	< 0.001	< 0.0001	<0.002	< 0.001	0	-	< 0.01	-	< 0.001	0	< 0.0001	1	< 0.001	< 0.001	-	< 0.005
SMPB12	01-Jun-19	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	0	-	< 0.001	7	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	25-Aug-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMPB12	26-Aug-19	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.01	-	< 0.001	8	< 0.0001	0	< 0.001	< 0.001	-	0
SMPB12	19-Nov-19	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.01	-	< 0.001	8	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	08-Feb-20	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.01	-	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	19-Sep-20	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	-	-	-	6	< 0.0001	0	< 0.001	< 0.001	-	0
SMPB12	26-Nov-20	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.0001	-	-	-	-	9	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	29-Aug-21	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	0	-	-	11	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	20-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.01	-	-	8	< 0.0001	0	0	< 0.001	-	< 0.005
SMPB12	12-Feb-22	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.01	-	-	7	< 0.0001	0	0	< 0.001	-	< 0.005
SMPB12	01-May-22	-	< 0.01	-	0	< 0.0001	< 0.001	0	< 0.001	-	0	-	-	9	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	23-Nov-22	-	< 0.05	-	0	< 0.0001	< 0.001	0	< 0.001	-	< 0.01	-	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
SMPB12	03-Feb-23	-	< 0.05	-	0	< 0.0001	< 0.001	0	< 0.001	-	0	-	< 0.001	11	< 0.0001	0	< 0.001	< 0.001	-	0

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Acidity (CaCO3 Equivalent)	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate-N	Nitrite-N	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons	Silicon
		µS/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	mg/L	mg/L	mg/L
Production Bore Triggers (SMPB02 & SMPB10)		**1,500**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**2.5**	**-**	**-**	**-**	**-**
Monitoring Bore Triggers (SMPB01		**5,000**	**6.5-8.5**	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**2.5**	**-**	**-**	**15**	**-**
TSFMB01	19-Dec-18	2,719	8.46	1,775	19	-	1,400	170	11	430	80	49	19	< 5	1,700	0	< 0.01	0	1	0	-	1
TSFMB01	08-Apr-19	4,703	6.82	3,055	180	-	2,500	200	22	440	330	32	180	< 5	2,900	< 0.01	< 0.01	2	2	0	-	18
TSFMB01	03-Jul-19	4,222	7.13	3,200	100	14	2,000	200	20	470	210	41	-	-	2,300	< 0.01	-	0	-	-	-	12
TSFMB01	18-Dec-19	4,748	6.94	5,500	170	40	3,300	220	18	620	430	33	-	-	3,100	0	-	1	-	-	-	19
TSFMB01	29-Apr-20	4,480	6.90	2,912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSFMB01	11-May-20	-	-	4,800	170	34	2,800	210	31	600	320	55	-	-	3,200	0	-	2	-	-	-	15
TSFMB01	24-Jun-20	4,742	6.95	5,200	180	38	4,000	200	52	690	550	69	-	-	3,500	< 0.01	-	2	-	-	-	18
TSFMB01	23-Sep-20	-	-	6,200	180	39	-	210	35	580	450	68	-	-	3,400	-	-	2	-	-	-	26
TSFMB01	26-Nov-20	-	-	4,100	160	32	-	180	45	560	340	57	-	-	2,900	-	-	2	-	-	-	21
TSFMB01	25-Aug-21	4,967	7.08	4,400	150	23	-	160	59	290	200	59	-	-	3,000	0	-	2	-	-	-	22
TSFMB01	17-Nov-21	5,160	7.17	470	190	17	-	190	40	440	230	31	190	< 5	3,000	0	-	2	-	-	-	95
TSFMB01	29-Aug-22	4,987	7.20	3,900	190	-	-	190	18	570	330	64	190	< 5	2,700	0	-	2	-	-	-	-
TSFMB01	15-Dec-22	5,308	7.15	5,200	220	-	2,800	210	21	550	400	57	220	< 5	3,000	< 0.01	-	2	-	-	-	21
TSFMB01	10-Feb-23	4,522	6.84	4,700	180	-	2,900	240	25	530	390	66	180	< 5	3,200	< 0.01	-	2	-	-	-	17
WSFMB01	18-Sep-18	4,721	7.24	3,068	230	-	3,100	170	21	500	440	26	230	< 5	3,300	< 0.01	< 0.01	0	0	0	-	17
WSFMB01	19-Dec-18	1,764	7.05	1,144	470	-	1,600	46	6	320	190	29	470	< 5	1,400	0	0	1	3	0	-	8
WSFMB01	09-Apr-19	2,972	7.21	1,931	220	-	1,600	100	18	250	230	25	220	< 5	1,400	< 0.01	< 0.01	< 0.02	<0.2	0	-	18
WSFMB01	03-Jul-19	3,982	7.45	3,600	210	18	2,300	160	28	290	380	10	-	-	2,700	0	-	0	-	-	-	18
WSFMB01	19-Dec-19	2,957	7.45	2,500	220	24	1,900	160	16	350	240	29	-	-	1,700	< 0.01	-	0	-	-	-	18
WSFMB01	30-Apr-20	2,792	7.39	1,814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSFMB01	11-May-20	-	-	3,000	190	17	1,900	91	24	370	240	25	-	-	1,700	< 0.01	-	0	-	-	-	14
WSFMB01	23-Jun-20	3,942	7.26	4,000	190	14	3,000	130	35	520	410	83	-	-	2,800	< 0.01	-	0	-	-	-	15
WSFMB01	23-Sep-20	-	-	5,400	240	30	-	150	27	490	460	54	-	-	3,100	-	-	0	-	-	-	16
WSFMB01	25-Nov-20	-	-	5,000	180	24	-	160	52	590	510	57	-	-	3,600	-	-	0	-	-	-	19
WSFMB01	31-Mar-21	-	-	3,700	180	20	-	95	59	390	220	28	-	-	2,200	-	-	0	-	-	-	23
WSFMB01	23-Jun-21	-	-	4,400	200	20	-	160	18	480	420	46	-	-	3,000	-	-	0	-	-	-	21
WSFMB01	25-Aug-21	4,306	7.45	3,800	260	21	-	110	49	280	190	33	-	-	2,500	0	-	0	-	-	-	18
WSFMB01	16-Nov-21	3,917	7.57	3,700	250	16	-	130	31	370	200	27	250	< 5	2,100	0	-	1	-	-	-	78
WSFMB01	09-Feb-22	2,940	7.23	2,500	160	8	-	150	23	380	320	22	160	< 5	1,600	1	-	0	-	-	-	22
WSFMB01	06-May-22	4,117	7.19	3,500	250	13	-	150	26	370	370	96	250	< 5	3,500	< 0.01	-	0	-	-	-	21
WSFMB01	27-Aug-22	5,162	7.52	4,500	230	-	-	160	20	580	410	55	230	< 5	3,000	0	-	0	-	-	-	-
WSFMB01	15-Dec-22	4,995	7.49	4,900	240	-	2,700	170	21	500	400	38	240	< 5	2,900	1	-	0	-	-	-	19
WSFMB01	11-Feb-23	2,710	7.22	2,400	200	-	1,600	120	17	260	240	18	200	< 5	1,700	1	-	0	-	-	-	19
WSFMB01	07-May-23	3,339	7.08	2,100	310	-	2,100	130	16	350	290	23	310	< 5	2,200	2	-	1	-	-	-	17
WSFMB01	25-Jul-23	4,000	7.27	3,500	330	12	3,100	110	19	460	470	25	330	< 5	2,600	2	-	3	-	-	-	12
WSFMB01	20-Nov-23	4,800	6.93	2,900	350	15	-	160	26	560	570	29	350	< 5	3,300	1	0	1	1	0	-	7
WSFMB01	28-Jun-24	4,900	6.86	2,900	300	21	-	150	23	500	520	24	300	< 5	3,300	< 0.01	-	14	-	-	-	5
WSFMB01	28-Dec-24	5,103	7.26	3,100	290	15		170	29	550	570	29	290	< 5	3,400	0		6				15
WSFMB01	27-Mar-25	3,119	6.37	2,100	1,200	220		23	55	34	28	52	1,200	< 5	30	0		410				4
WSFMB01	19-Jun-25	3,389	7.21	2,200	940	38		78	26	360	260	57	940	< 5	1,400	< 0.01		100				10
WSFMB02	18-Sep-18	3,087	6.84	2,528	370	-	2,700	86	11	530	330	28	370	< 5	2,500	< 0.01	< 0.01	1	1	0	-	15
WSFMB02	19-Dec-18	2,422	6.85	1,580	590	-	1,700	33	6	360	190	31	590	< 5	1,100	0	0	0	1	1	-	9
WSFMB02	09-Apr-19	3,710	6.77	2,412	360	-	2,200	89	10	420	280	31	360	< 5	2,200	< 0.01	< 0.01	1	1	0	-	12
WSFMB02	03-Jul-19	3,066	6.91	2,600	530	69	2,000	54	10	390	250	59	-	-	1,600	< 0.01	-	1	-	-	-	10
WSFMB02	19-Dec-19	2,957	6.89	2,600	440	100	2,200	95	7	470	250	32	-	-	1,600	0	-	1	-	-	-	12
WSFMB02	30-Apr-20	2,675	6.88	1,742	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSFMB02	11-May-20	-	-	2,600	520	100	1,900	52	11	450	190	34	-	-	1,300	0	-	1	-	-	-	10
WSFMB02	23-Jun-20	2,852	6.91	2,500	270	67	2,000	59	13	540	160	87	-	-	1,500	< 0.01	-	1	-	-	-	11
WSFMB02	23-Sep-20	-	-	3,500	420	82	-	64	11	340	250	38	-	-	1,800	-	-	1	-	-	-	13
WSFMB02	25-Nov-20	-	-	2,800	440	46	-	61	16	510	240	37	-	-	1,800	-	-	1	-	-	-	16
WSFMB02	31-Mar-21	-	-	2,900	330	37	-	48	28	430	180	35	-	-	1,600	-	-	1	-	-	-	13
WSFMB02	23-Jun-21	-	-	2,600	590	380	-	55	7	310	230	45	-	-	1,500	-	-	1	-	-	-	13
WSFMB02	25-Aug-21	3,031	7.07	2,500	1,500	68	-	42	18	230	130	34	-	-	1,500	0	-	1	-	-	-	12
WSFMB02	16-Nov-21	2,923	7.07	2,800	650	230	-	49	12	330	150	29	650	< 5	1,400	0	-	1	-	-	-	51
WSFMB02	09-Feb-22	3,448	6.79	3,100	490	200	-	90	12	600	350	34	490	< 5	1,800	0	-	2	-	-	-	14
WSFMB02	06-May-22	2,925	6.79	2,200	610	39	-	47	10	280	150	92	610	< 5	1,700	< 0.01	-	1	-	-	-	11
WSFMB02	27-Aug-22	3,440	7.15	2,700	660	-	-	61	24	540	260	74	660	< 5	1,800	< 0.01	-	1	-	-	-	-
WSFMB02	15-Dec-22	3,664	7.11	3,700	830	-	2,100	76	22	450	290	40	830	< 5	2,100	0	-	1	-	-	-	14
WSFMB02	11-Feb-23	2,916	6.77	2,500	640	-	1,900	58	9	370	230	34	640	< 5	1,400	< 0.01	-	2	-	-	-	12
WSFMB02	07-May-23	3,006	6.82	1,900	640	-	2,200	65	12	450	260	33	640	< 5	1,600	< 0.01	-	1	-	-	-	11
WSFMB02	25-Jul-23	3,000	6.87	2,800	740	210	1,800	56	13	360	230	29	740	< 5	1,700	< 0.01	-	2	-	-	-	9
WSFMB02	20-Nov-23	3,000	6.52	2,200	590	270	-	56	9	500	250	37	590	< 5	1,700	< 0.01	< 0.01	1	2	0	-	8
WSFMB02	29-Jun-24	3,400	6.26	2,000	510	25	-	62	8	530	270	29	510	< 5	2,000	0	-	2	-	-	-	8
WSFMB02	29-Dec-24	3,651	6.84	2,200	500	25		60	7	510	260	27	500	< 5	2,200	0		2				12
WSFMB02	27-Mar-25	3,494	6.89	2,100	490	40		47	8	480	210	31	490	< 5	2,200	< 0.01		2				6
WSFMB02	19-Jun-25	3,744	6.92	3,900	240	20		140	14	460	430	28	240	< 5	2,300	< 0.01		0				24

Appendix E - Groundwater Quality Data 2018-2025

Bore ID	Date	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead - Dissolved	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
Production Bore Triggers (SMPB02 & SMPB10)		-	5	-	0.01	-	0.05	1.0	1.0	-	0.3	-	0.1	0.1	-	0.05	0.01	0.02	-	-
Monitoring Bore Triggers (SMMB01		-	-	-	0.5	0.01	0.05	1.0	1.0	-	-	-	0.1	20	0.002	3.0	0.02	0.02	-	20
TSFMB01	19-Dec-18	3	< 0.01	< 0.001	< 0.001	< 0.0001	-	< 0.001	0	< 0.05	< 0.01	< 0.01	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	-	0
TSFMB01	08-Apr-19	38	< 0.01	< 0.001	< 0.001	< 0.0001	-	0	0	< 0.05	0	0	< 0.001	8	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
TSFMB01	03-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	5	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
TSFMB01	18-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	9	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
TSFMB01	29-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSFMB01	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
TSFMB01	24-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	11	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
TSFMB01	23-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	6	< 0.0001	0	< 0.001	-	0	0
TSFMB01	26-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	10	< 0.0001	0	< 0.001	-	< 0.01	< 0.005
TSFMB01	25-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	0	0	< 0.001	< 0.05	< 0.01	2	-	10	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
TSFMB01	17-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	-	9	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
TSFMB01	29-Aug-22	38	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	8	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
TSFMB01	15-Dec-22	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	10	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
TSFMB01	10-Feb-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	8	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB01	18-Sep-18	36	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	0	0	< 0.01	-	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	-	0
WSFMB01	19-Dec-18	18	< 0.01	< 0.001	< 0.001	< 0.0001	-	0	< 0.001	< 0.05	< 0.01	2	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
WSFMB01	09-Apr-19	38	< 0.01	< 0.001	< 0.001	< 0.0001	-	0	0	< 0.05	0	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	-	0
WSFMB01	03-Jul-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
WSFMB01	19-Dec-19	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	2	< 0.0001	0	0	< 0.001	< 0.01	0
WSFMB01	30-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSFMB01	11-May-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
WSFMB01	23-Jun-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	< 0.01	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB01	23-Sep-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	2	< 0.0001	0	< 0.001	-	0	0
WSFMB01	25-Nov-20	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	< 0.01	-	2	< 0.0001	0	< 0.001	-	< 0.01	0
WSFMB01	31-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	0	-	0	< 0.0001	0	< 0.001	-	< 0.01	0
WSFMB01	23-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	1	< 0.0001	0	< 0.001	-	< 0.005	0
WSFMB01	25-Aug-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	16	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB01	16-Nov-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	15	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB01	09-Feb-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	2	-	1	< 0.0001	0	0	< 0.001	< 0.01	< 0.005
WSFMB01	06-May-22	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	0	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB01	27-Aug-22	41	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	2	< 0.001	2	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
WSFMB01	15-Dec-22	-	< 0.05	< 0.001	< 0.001	0	< 0.001	0	0	< 0.05	< 0.01	5	< 0.001	3	< 0.0001	0	0	< 0.001	< 0.001	0
WSFMB01	11-Feb-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	0	< 0.001	1	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB01	07-May-23	38	< 0.05	-	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.01	1	< 0.001	1	< 0.0001	0	0	< 0.001	-	< 0.005
WSFMB01	25-Jul-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	0	< 0.05	< 0.5	< 0.01	< 0.001	1	< 0.0001	0	0	< 0.001	< 0.001	0
WSFMB01	20-Nov-23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	1	1	< 0.001	1	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB01	28-Jun-24	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	0	-	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB01	28-Dec-24		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	0	0	< 0.001	0	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB01	27-Mar-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	1	1	1	< 0.001	0	< 0.0001	0	< 0.001	< 0.001	0	0
WSFMB01	19-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	2	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB02	18-Sep-18	32	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	0	< 0.01	-	< 0.001	4	< 0.0001	0	< 0.001	< 0.001	-	0
WSFMB02	19-Dec-18	20	< 0.01	< 0.001	< 0.001	< 0.0001	-	0	0	0	< 0.01	2	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	-	0
WSFMB02	09-Apr-19	25	< 0.01	< 0.001	< 0.001	< 0.0001	-	0	0	< 0.05	0	11	< 0.001	4	< 0.0001	0	< 0.001	< 0.001	-	0
WSFMB02	03-Jul-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	11	< 0.001	4	< 0.0001	0	< 0.001	< 0.001	< 0.01	0
WSFMB02	19-Dec-19	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	0	< 0.05	< 0.01	10	< 0.001	4	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB02	30-Apr-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSFMB02	11-May-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	5	< 0.001	4	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB02	23-Jun-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	6	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB02	23-Sep-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	10	-	4	< 0.0001	0	< 0.001	-	< 0.01	0
WSFMB02	25-Nov-20	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	0	-	7	-	4	< 0.0001	0	< 0.001	-	< 0.01	< 0.005
WSFMB02	31-Mar-21	-	< 0.01	< 0.001	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	11	-	4	< 0.0001	0	< 0.001	-	< 0.01	0
WSFMB02	23-Jun-21	-	< 0.05	< 0.005	< 0.001	<0.0002	< 0.001	0	< 0.001	< 0.05	-	-	-	4	< 0.0001	0	< 0.001	-	< 0.005	0
WSFMB02	25-Aug-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	0	< 0.05	< 0.01	860	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB02	16-Nov-21	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	0	< 0.05	0	110	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB02	09-Feb-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	53	-	3	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB02	06-May-22	-	< 0.01	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	2	-	1	< 0.0001	0	< 0.001	< 0.001	< 0.01	< 0.005
WSFMB02	27-Aug-22	28	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	0	< 0.05	0	140	< 0.001	4	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
WSFMB02	15-Dec-22	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	0	2	2	87	< 0.001	4	< 0.0001	0	< 0.001	< 0.001	< 0.001	0
WSFMB02	11-Feb-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	3	< 0.001	4	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB02	07-May-23	28	< 0.05	-	< 0.001	< 0.0001	< 0.001	0	< 0.001	< 0.05	0	28	< 0.001	3	< 0.0001	0	< 0.001	< 0.001	-	< 0.005
WSFMB02	25-Jul-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	< 0.5	< 0.01	< 0.001	2	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
WSFMB02	20-Nov-23	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	9	9	< 0.001	5	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
WSFMB02	29-Jun-24	-	< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	< 0.05	-	11	< 0.001	5	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
WSFMB02	29-Dec-24		< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	12	1	13	< 0.001	6	< 0.0001	0	0	< 0.001	< 0.001	< 0.005
WSFMB02	27-Mar-25		< 0.05	< 0.001	0	< 0.0001	< 0.001	0	< 0.001	11	1	11	< 0.001	7	< 0.0001	0	< 0.001	< 0.001	< 0.001	< 0.005
WSFMB02	19-Jun-25		< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.05	< 0.05	< 0.01	< 0.001	1	< 0.0001	0	< 0.001	< 0.001	< 0.001	0

Appendix F

Surface Water Quality Data

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate	Nitrite	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons
		µS/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	mg/L
FCNCP	11-Feb-19	385	8.02	-	180	-	-	-	-	-	-	-	-	17	-	-	-	-	-	<0.16
FCNCP	01-Jun-19	387	7.90	-	-	-	16	7	41	18	7	-	-	12	0.03	-	0.7	-	-	<0.10
FCNCP	12-Feb-20	208	7.85	130	-	-	8	4	19	7	<5	-	-	25	-	-	0.1	-	-	<0.1600
FCNCP	25-Feb-21	364	7.60	220	-	-	19	5	33	16	6	-	-	25	-	-	0.1	-	-	<0.1600
FCNCP	29-May-21	991	8.01	580	-	-	86	9	40	37	26	-	-	100	-	-	0.1	-	-	<0.1600
FCNCP	06-Feb-22	456	7.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCNCP	14-Feb-22	-	-	260	-	-	27	5	30	19	8	-	-	25	0.08	-	0.06	-	-	< 0.16
FCNCP	29-Apr-22	868	8.25	490	-	-	65	7	33	39	60	-	-	76	< 0.01	-	< 0.02	-	-	-
FCNCP	09-Dec-22	358	8.44	220	160	110	22	4	23	13	6	160	< 5	19	< 0.01	-	< 0.02	-	-	-
FCNCP	03-Feb-23	743	8.2	490	420	330	57	6	71	45	11	390	32	29	< 0.01	-	< 0.02	-	-	-
FCNCP	04-Mar-23	-	-	370	410	-	51	6	56	43	13	390	16	25	< 0.01	-	0.03	-	-	-
FCNCP	28-Apr-23	809	8.42	470	540	350	72	6	57	50	12	510	33	20	< 0.01	-	< 0.02	-	-	-
FCNCP	21-Jul-23	814	8.44	620	470	330	60	5	60	45	12	440	30	19	< 0.01		0.1			
FCNCP	03-Nov-23	954	8.41	1,000			100	8	51	61	23			29	< 0.01		0.05			
FCNCP	31-Mar-24	773	8.04	470	450		62	6	64	47	9	440	7.9	18	< 0.01		< 0.02			
FCNCP	16-Jun-24	797	8.05	480			66	5	60	50	10	510	< 5	15			< 0.02			
FCNCP	11-Sep-24	862	7.29	520			75	6	50	55	10			11	< 0.01		< 0.02			<0.3900
FCNCP	29-Dec-24	969	7.87	530	550		81	6	36	51	15	550	< 5	9	< 0.01		< 0.02			<0.3700
FCNCP	20-Mar-25	821	8.4	470			51	5	39	36	13			13	0.04		< 0.02			<0.3700
FCNCP	21-May-25	814	8.41	580			69	5	56	44	11			13	< 0.01		< 0.02			<0.3700
FCSCP1	11-Feb-19	285	8.07	-	130	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-
FCSCP1	12-Feb-20	113	8.18	66	-	-	5	3	10	4	<5	-	-	8	-	-	0.03	-	-	-
FCSCP1	25-Feb-21	276	7.71	160	-	-	16	4	26	13	6	-	-	15	-	-	0.07	-	-	-
FCSCP1	29-May-21	1,210	7.54	710	-	-	61	10	80	55	32	-	-	280	-	-	0.13	-	-	-
FCSCP1	06-Feb-22	242	7.83	140	-	-	15	3	17	10	5	-	-	17	0.06	-	0.07	-	-	-
FCSCP1	29-Apr-22	923	8.00	520	-	-	62	7	40	45	22	-	-	89	0.03	-	< 0.02	-	-	-
FCSCP1	09-Dec-22	334	8.19	200	150	110	19	4	19	13	6	150	< 5	16	< 0.01	-	< 0.02	-	-	-
FCSCP1	06-Feb-23	533	8.34	420	280	230	46	6	46	31	9	260	15	30	0.01	-	< 0.02	-	-	-
FCSCP1	04-Mar-23	-	-	300	300	-	42	5	40	35	11	290	11	47	< 0.01	-	0.02	-	-	-
FCSCP1	28-Apr-23	809	8.53	480	470	350	66	6	54	52	15	440	34	63	0.01	-	< 0.02	-	-	-
FCSCP1	21-Jul-23	876	8.65	610	460	360	65	5	56	54	16	440	27	78	< 0.01		0.05			
FCSCP1	31-Mar-24	827	7.96	510	340		54	6	61	55	11	340	< 5	140	0.05		< 0.02			
FCSCP1	15-Jun-24	1,172	8.13	720			76	7	90	94	15	490	< 5	260			< 0.02			
FCSCP1	11-Sep-24	1,034	7.26	620			83	7	53	72	16			120	< 0.01		< 0.02			
FCSCP1	29-Dec-24	1,126	7.91	560	510		78	8	52	59	19	510	< 5	71	< 0.01		< 0.02			
FCSCP1	19-Mar-25	886	8.54	490			130	12	440	370	16			49	< 0.01		< 0.02			
FCSCP1	21-May-25	873	8.52	600			70	5	47	49	15			68	< 0.01		< 0.02			
FCSCP2	11-Feb-19	318	8.16	-	140	-	-	-	-	-	-	-	-	23	-	-	-	-	-	<0.16
FCSCP2	12-Feb-20	140	7.79	66	-	-	5	3	10	4	<5	-	-	8	-	-	0.2	-	-	<0.1600
FCSCP2	25-Feb-21	267	7.65	160	-	-	15	4	24	12	5	-	-	16	-	-	0.1	-	-	<0.1600
FCSCP2	29-May-21	1,567	7.48	1,000	-	-	69	11	120	73	33	-	-	**480**	-	-	0.2	-	-	<0.1600
FCSCP2	06-Feb-22	242	7.79	140	-	-	15	3	18	10	5	-	-	16	0.07	-	0.06	-	-	< 0.16
FCSCP2	29-Apr-22	1,662	7.79	1,000	-	-	75	9	100	110	70	-	-	**510**	< 0.01	-	0.05	-	-	1
FCSCP2	11-Dec-22	404	8.19	250	180	140	21	6	33	15	7	180	< 5	26	< 0.01	-	0.08	-	-	-
FCSCP2	05-Feb-23	524	8.35	390	260	220	46	7	45	32	9	250	16	37	0.15	-	< 0.02	-	-	<0.39
FCSCP2	03-Mar-23	-	-	280	250	-	37	5	36	33	10	240	6.2	52	< 0.01	-	< 0.02	-	-	<5.30
FCSCP2	28-Apr-23	849	8.53	510	450	380	72	6	57	59	15	420	32	90	< 0.01	-	< 0.02	-	-	<0.39
FCSCP2	21-Jul-23	952	8.54	620	460	400	65	5	64	60	17	430	23	130	< 0.01		0.13			
FCSCP2	31-Mar-24	802	7.99	500	340		57	6	62	55	11	340	< 5	130	0.03		< 0.02			
FCSCP2	15-Jun-24	1,200	8.21	730			76	7	88	98	15	480	< 5	280			< 0.02			
FCSCP2	11-Sep-24	1,157	7.24	700			80	7	61	77	17			200	< 0.01		< 0.02			<0.3700
FCSCP2	29-Dec-24	884	8.38	510	290		58	7	38	60	15	280	7.3	200	0.24		0.06			<0.3700
FCSCP2	19-Mar-25	932	8.46	540			59	6	39	47	17			110	< 0.01		< 0.02			<0.3700
FCSCP2	21-May-25	957	8.56	620			76	5	57	59	17			120	< 0.01		< 0.02			<0.3700
Fletcher Ck. Water Limits		-	-	-	-	-	-	-	-	-	-	-	-	**700**	-	-	-	-	-	**15**
Fletcher Ck. Water Targets		-	-	-	-	-	-	-	-	-	-	-	-	**350**	-	-	-	-	-	-
Fletcher Creek Sites																				
Join MC-FC	11-Feb-19	301	7.92	-	120	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-
Join MC-FC	13-Feb-20	180	7.87	100	-	-	7	3	15	6	<5	-	-	10	-	-	0.1	-	-	-
Join MC-FC	25-Feb-21	373	7.38	230	-	-	20	5	36	18	7	-	-	51	-	-	0.1	-	-	-
Join MC-FC	29-May-21	1,852	7.68	1,200	-	-	120	14	130	76	37	-	-	570	-	-	0.2	-	-	-
Join MC-FC	06-Feb-22	319	7.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Join MC-FC	14-Feb-22	-	-	190	-	-	18	3	23	14	6	-	-	40	0.07	-	0.05	-	-	-
Join MC-FC	29-Apr-22	1,292	7.90	570	-	-	89	8	49	70	26	-	-	240	< 0.01	-	0.08	-	-	-
Join MC-FC	09-Dec-22	592	7.78	420	200	200	28	5	46	24	10	200	< 5	97	< 0.01	-	< 0.02	-	-	-
Join MC-FC	06-Feb-23	541	8.28	380	290	230	43	5	46	32	9	270	13	41	< 0.01	-	< 0.02	-	-	-
Join MC-FC	04-Mar-23	-	-	350	290	-	45	5	47	43	12	280	7.9	94	< 0.01	-	0.06	-	-	-
Join MC-FC	28-Apr-23	935	8.47	540	470	430	71	7	64	66	14	430	33	130	0.05	-	0.04	-	-	-
Join MC-FC	21-Jul-23	938	8.61	650	460	400	63	5	61	60	17	440	25	110	0.07		0.17			
Join MC-FC	03-Nov-23	1,187	8.58	690			110	10	45	94	42			150	< 0.01		0.06			
Join MC-FC	31-Mar-24	2,470	7.72	1,400	310		89	10	200	210	19	310	< 5	1,200	0.6		< 0.02			
Join MC-FC	15-Jun-24	2,751	8.02	1,800			100	12	260	300	21	430	< 5	1,600			< 0.02			
Join MC-FC	11-Sep-24	885	7.62	540			80	7	40	62	15			45	< 0.01		< 0.02			
Join MC-FC	29-Dec-24	1,396	8.17	750	470		85	8	69	87	23	460	8.4	260	< 0.01		0.03			<0.3700
Join MC-FC	19-Mar-25	835	8.53	470			55	6	32	39	16			32	< 0.01		< 0.02			
Join MC-FC	21-May-25	796	8.67	580			71	5	42	45	14			32	< 0.01		< 0.02			

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Silicon	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
FCNCP	11-Feb-19	-	-	-	-	-	-	-	<0.001	0.002	-	-	-	-	<0.01	-	0.001	<0.001	-	-	-
FCNCP	01-Jun-19	9	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	<0.01	-	<0.001	0.09	<0.0001	<0.001	<0.001	<0.001	-	<0.005
FCNCP	12-Feb-20	4	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	0.003	-	-	-	-	<0.01	<0.0001	0.002	<0.001	<0.001	-	<0.005
FCNCP	25-Feb-21	8	-	0.03	-	<0.001	<0.0001	<0.001	<0.001	0.001	-	-	-	-	<0.01	<0.0001	0.001	<0.001	<0.001	-	<0.005
FCNCP	29-May-21	17	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
FCNCP	06-Feb-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FCNCP	14-Feb-22	10	-	0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.02	-	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
FCNCP	29-Apr-22	14	-	0.03	-	< 0.001	< 0.0001	< 0.001	< 0.001	0.002	-	0.02	-	-	< 0.01	< 0.0001	0.004	0.001	< 0.001	-	< 0.005
FCNCP	09-Dec-22	8.7	-	0.06	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
FCNCP	03-Feb-23	22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	< 0.001	0.036	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
FCNCP	04-Mar-23	21	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0.009	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
FCNCP	28-Apr-23	26	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.01	-	< 0.001	< 0.005	0.0001	< 0.001	< 0.001	-	-	< 0.005
FCNCP	21-Jul-23	20		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCNCP	03-Nov-23		36	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCNCP	31-Mar-24	21		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.05	< 0.001	0.043	< 0.0001	< 0.001	< 0.001	< 0.001		0.013
FCNCP	16-Jun-24		57	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.09	< 0.001	0.03	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCNCP	11-Sep-24	22		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCNCP	29-Dec-24	23		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.007	< 0.0001	< 0.001	0.001	< 0.001		< 0.005
FCNCP	20-Mar-25	27		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.012	< 0.0001	< 0.001	< 0.001	< 0.001		0.012
FCNCP	21-May-25		47	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.05		< 0.001	0.02	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCSCP1	11-Feb-19	-	-	-	-	-	-	-	<0.001	0.001	-	-	-	-	<0.01	-	<0.001	<0.001	-	-	-
FCSCP1	12-Feb-20	3	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	0.002	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
FCSCP1	25-Feb-21	9	-	0.04	-	<0.001	<0.0001	<0.001	<0.001	0.002	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
FCSCP1	29-May-21	14	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.05	<0.0001	<0.001	<0.001	<0.001	-	<0.005
FCSCP1	06-Feb-22	13	-	0.02	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.03	-	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
FCSCP1	29-Apr-22	14	-	0.01	-	0.001	< 0.0001	< 0.001	0.001	0.002	-	0.01	-	-	0.07	< 0.0001	0.005	< 0.001	< 0.001	-	< 0.005
FCSCP1	09-Dec-22	11	-	0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.02	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
FCSCP1	06-Feb-23	19	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	< 0.001	0.021	0.0002	< 0.001	< 0.001	< 0.001	-	< 0.005
FCSCP1	04-Mar-23	19	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0.011	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
FCSCP1	28-Apr-23	22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0.002	-	-	< 0.005
FCSCP1	21-Jul-23	18		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	0.002	< 0.001		< 0.005
FCSCP1	31-Mar-24	20		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.03	< 0.001	0.052	< 0.0001	0.03	< 0.001	< 0.001		< 0.005
FCSCP1	15-Jun-24		54	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.05	< 0.001	0.025	< 0.0001	0.006	< 0.001	< 0.001		< 0.005
FCSCP1	11-Sep-24	18		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	0.001	< 0.001	< 0.001		< 0.005
FCSCP1	29-Dec-24	2.9		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.05		< 0.001	0.25	< 0.0001	0.001	< 0.001	< 0.001		< 0.005
FCSCP1	19-Mar-25	2.2		< 0.05		< 0.001	< 0.0001	< 0.001	0.001	0.001		0.03		0.003	0.2	< 0.0001	0.033	< 0.001	< 0.001		< 0.005
FCSCP1	21-May-25		40	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.03		< 0.001	0.02	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCSCP2	11-Feb-19	-	-	-	-	-	-	-	<0.001	0.0020	-	-	-	-	<0.01	-	0.001	<0.001	-	-	-
FCSCP2	12-Feb-20	3	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	0.0030	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
FCSCP2	25-Feb-21	9	-	0.03	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
FCSCP2	29-May-21	23	-	<0.01	-	<0.001	<0.0001	<0.001	0.001	<0.001	-	-	-	-	0.17	<0.0001	0.002	<0.001	<0.001	-	<0.005
FCSCP2	06-Feb-22	13	-	0.02	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.03	-	-	< 0.01	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
FCSCP2	29-Apr-22	19	-	0.02	-	0.002	< 0.0001	< 0.001	0.002	0.0050	-	0.02	-	-	0.16	< 0.0001	0.009	0.003	< 0.001	-	< 0.005
FCSCP2	11-Dec-22	12	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
FCSCP2	05-Feb-23	18	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	< 0.001	0.018	< 0.0001	< 0.001	0.002	< 0.001	-	< 0.005
FCSCP2	03-Mar-23	18	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0.006	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
FCSCP2	28-Apr-23	22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	-	-	< 0.005
FCSCP2	21-Jul-23	17		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCSCP2	31-Mar-24	19		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	0.026	< 0.0001	0.004	< 0.001	< 0.001		< 0.005
FCSCP2	15-Jun-24		54	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.04	< 0.001	0.02	< 0.0001	0.005	< 0.001	< 0.001		< 0.005
FCSCP2	11-Sep-24	20		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
FCSCP2	29-Dec-24	22		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.12	< 0.0001	0.003	< 0.001	< 0.001		< 0.005
FCSCP2	19-Mar-25	25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		0.006
FCSCP2	21-May-25		37	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Fletcher Ck. Water Limits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fletcher Ck. Water Targets		-	-	-	-	-	-	-	**0.003**	**0.0062**	-	-	-	-	-	-	**0.067**	-	-	-	-
Fletcher Creek Sites																					
Join MC-FC	11-Feb-19	-	-	-	-	-	-	-	<0.001	0.002	-	-	-	-	<0.01	-	0.002	<0.001	-	-	-
Join MC-FC	13-Feb-20	5	-	0.08	-	<0.001	<0.0001	<0.001	<0.001	0.002	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
Join MC-FC	25-Feb-21	9	-	0.02	-	<0.001	<0.0001	<0.001	<0.001	0.002	-	-	-	-	0.06	<0.0001	0.002	<0.001	<0.001	-	<0.005
Join MC-FC	29-May-21	18	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.14	<0.0001	0.002	<0.001	<0.001	-	<0.005
Join MC-FC	06-Feb-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Join MC-FC	14-Feb-22	13	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.02	-	-	0.03	< 0.0001	0.001	< 0.001	< 0.001	-	< 0.005
Join MC-FC	29-Apr-22	15	-	0.07	-	0.005	< 0.0001	< 0.001	0.004	0.009	-	0.04	-	-	0.07	< 0.0001	0.033	0.002	< 0.001	-	0.01
Join MC-FC	09-Dec-22	11	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.02	-	< 0.001	0.041	< 0.0001	0.001	< 0.001	< 0.001	< 0.001	< 0.005
Join MC-FC	06-Feb-23	19	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	< 0.001	0.049	< 0.0001	0.001	< 0.001	< 0.001	-	< 0.005
Join MC-FC	04-Mar-23	19	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0.022	< 0.0001	0.002	< 0.001	< 0.001	-	< 0.005
Join MC-FC	28-Apr-23	22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	0.002	-	-	< 0.005
Join MC-FC	21-Jul-23	17		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	0.001	< 0.001	< 0.001		< 0.005
Join MC-FC	03-Nov-23		36	< 0.05		0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		0.04
Join MC-FC	31-Mar-24	15		< 0.05		< 0.001	< 0.0001	< 0.001	0.006	0.003			0.02	< 0.001	0.29	< 0.0001	0.36	< 0.001	< 0.001		< 0.005
Join MC-FC	15-Jun-24		49	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.01	< 0.001	0.007	< 0.0001	0.027	0.001	< 0.001		< 0.005
Join MC-FC	11-Sep-24	18		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Join MC-FC	29-Dec-24	20		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.01		< 0.001	0.041	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Join MC-FC	19-Mar-25	3.6		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.009	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Join MC-FC	21-May-25		41	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.02		< 0.001	0.011	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate	Nitrite	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons
		µS/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	mg/L
MC@Hwy	03-Mar-23	-	-	4,500	450	-	200	22	400	510	73	450	< 5	**3,100**	< 0.01	-	0.09	-	-	-
MC@Hwy	28-Apr-23	3,219	8.26	1,900	440	2,100	130	14	290	350	33	430	13	**1,900**	0.96	-	0.03	-	-	<0.39
MC@Hwy	21-Jul-23	3,725	8.29	3,600	430	2,300	100	10	310	370	31	430	< 5	**2,300**	3.5		0.53			
MC@Hwy	31-Mar-24	2,408	7.70	1,500	310		100	11	240	250	22	310	< 5	1,300	0.74		< 0.02			
MC@Hwy	16-Jun-24	3,730	7.99	2,300			120	16	390	420	22	340	< 5	**2,400**			< 0.02			
MC@Hwy	20-Mar-25	4,745	8.16	2,900			58	6	35	43	32			**3,500**	0.06		< 0.02			<0.3700
MC@Hwy	25-May-25	4,440	8.26	4,300			150	12	460	450	25			**2,800**	< 0.01		0.03			<0.3700
MC@Hwy	All dry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC@Hwy Limits		-	-	-	-	-	-	-	-	-	-	-	-	5,000	-	-	-	-	-	15
MC@Hwy Targets		-	-	-	-	-	-	-	-	-	-	-	-	**1,800**	-	-	-	-	-	-
Mine Ck (adj SMPB03)	07-Feb-22	1,670	7.53	1,300	-	-	58	17	130	110	22	-	-	860	0.26	-	0.05	-	-	-
Mine Ck (adj SMPB03)	03-Feb-23	3,993	7.65	3,700	470	2,900	180	29	490	460	38	470	< 5	2,600	< 0.01	-	0.15	-	-	-
Mine Ck (adj SMPB03)	04-Mar-23	-	-	5,800	450	-	260	24	440	640	50	450	< 5	3,700	< 0.01	-	0.07	-	-	-
Mine Ck (adj SMPB03)	28-Apr-23	5,247	7.8	3,200	460	4,000	260	21	500	660	35	460	< 5	3,600	< 0.01	-	0.06	-	-	-
Mine Ck (adj SMPB03)	22-Jul-23	3,914	7.91	3,300	440	2,600	170	15	320	450	28	440	< 5	2,400	< 0.01		0.82			
Mine Ck (adj SMPB03)	04-Nov-23	5,092	7.45	5,000			200	23	590	570	33			3,500	< 0.01		0.11			
Mine Ck (adj SMPB03)	31-Mar-24	4,464	7.68	2,800	290		200	19	550	530	21	290	< 5	2,600	0.84		0.03			
Mine Ck (adj SMPB03)	14-Jun-24	4,173	7.68	2,600			170	14	460	430	22	340	< 5	2,700			< 0.02			
Mine Ck (adj SMPB03)	26-Mar-25	4,870	8.13	2,900			160	14	470	440	30			3,600	< 0.01		< 0.02			
Mine Ck (adj SMPB03)	24-Apr-25	4,899	8.24	4,800			180	13	540	490	25			3,200	0.02		0.05			
Mine Creek Sites																				
Rademy Spring	01-Oct-18	862	8.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rademy Spring	03-Oct-18	-	-	-	480	240	38	9	25	43	13	-	-	26	0.05	<0.01	0.03	0.2	0.29	-
Rademy Spring	19-Dec-18	520	7.77	-	250	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-
Rademy Spring	10-Feb-19	736	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rademy Spring	11-Feb-19	-	-	-	320	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-
Rademy Spring	01-Jun-19	950	7.83	-	-	-	36	6	56	76	11	-	-	28	<0.01	-	0.1	-	-	-
Rademy Spring	25-Aug-19	921	8.01	570	-	-	42	5	57	72	10	-	-	37	-	-	0.1	-	-	-
Rademy Spring	13-Feb-20	980	7.30	700	-	-	25	7	93	64	11	-	-	240	-	-	0.1	-	-	-
Rademy Spring	24-Jun-20	1,172	8.44	780	-	-	42	6	36	91	19	-	-	170	-	-	0.1	-	-	-
Rademy Spring	28-Feb-21	1,115	7.82	770	-	-	39	7	79	79	16	-	-	140	-	-	0.3	-	-	-
Rademy Spring	30-May-21	1,078	7.69	600	-	-	37	6	60	55	15	-	-	62	-	-	<0.02	-	-	-
Rademy Spring	24-Aug-21	1,124	8.16	660	-	-	47	7	47	77	15	-	-	61	<0.01	-	0.03	-	-	-
Rademy Spring	21-Nov-21	1,402	8.38	990	-	-	51	12	71	75	20	-	-	290	0.02	-	< 0.02	-	-	-
Rademy Spring	13-Feb-22	1,060	7.97	590	-	-	50	9	46	72	22	-	-	98	0.07	-	0.07	-	-	-
Rademy Spring	30-Apr-22	1,078	7.82	590	-	-	36	6	39	76	17	-	-	65	0.02	-	0.03	-	-	-
Rademy Spring	21-Aug-22	1,126	7.85	660	600	480	41	5	68	88	11	580	11	57	< 0.01	-	< 0.02	-	-	-
Rademy Spring	10-Dec-22	1,192	8.08	760	580	530	45	7	72	89	18	560	19	94	< 0.01	-	< 0.02	-	-	-
Rademy Spring	03-Feb-23	1,018	8.04	640	590	540	64	8	71	96	17	550	38	67	< 0.01	-	0.03	-	-	-
Rademy Spring	29-Apr-23	901	8.38	530	580	460	52	7	53	80	12	540	44	46	0.01	-	< 0.02	-	-	-
Rademy Spring	30-Jul-23	889	8.43	550	510	400	41	6	49	67	11	480	31	46	< 0.01		2.2			
Rademy Spring	04-Nov-23	959	8	650			41	7	41	83	13			33	< 0.01		0.03			
Rademy Spring	31-Mar-24	841	7.99	510	480		46	8	60	79	8	470	12	38	0.01		< 0.02			
Rademy Spring	14-Jun-24	830	7.59	510			41	6	50	71	9	520	< 5	34			< 0.02			
Rademy Spring	12-Sep-24	870	7.4	530			42	6	53	76	7			24	< 0.01		< 0.02			
Rademy Spring	29-Dec-24	923	7.93	520	520		35	5	56	68	7	510	12	7	< 0.01		< 0.02			
Rademy Spring	21-Mar-25	872	8.14	500			33	5	53	59	10			20	< 0.01		< 0.02			
Rademy Spring	22-May-25	855	8.2	530			35	4	60	65	8			18	< 0.01		< 0.02			
ST-DS	11-Feb-19	228	8.20	-	98	90	15	3	20	10	<5	-	-	8	0.05	<0.01	0.02	2.3	0.37	-
ST-DS	14-Mar-19	748	7.63	-	-	300	54	8	42	48	20	-	-	22	<0.01	<0.01	0.05	0.2	0.28	-
ST-DS	13-Feb-20	144	7.60	90	-	54	8	3	13	5	<5	-	-	8	-	-	0.0	1	0	-
ST-DS	28-Feb-21	241	7.84	150	-	98	17	3	21	11	5	-	-	13	-	-	0.0	0	0	-
ST-DS	30-May-21	881	8.28	520	-	-	46	8	47	40	18	-	-	66	-	-	<0.02	-	-	-
ST-DS	14-Feb-22	281	8.18	160	-	-	18	3	17	13	6	-	-	15	0.05	-	0.03	-	-	-
ST-DS	30-Apr-22	397	8.58	230	-	-	13	5	22	18	10	-	-	28	0.01	-	0.13	-	-	-
ST-DS	09-Dec-22	465	8.27	290	220	160	28	6	28	21	8	220	< 5	25	0.57	-	0.02	-	-	-
ST-DS	04-Feb-23	270	8.23	170	140	96	25	4	19	14	6	140	< 5	12	< 0.01	-	0.04	-	-	-
ST-DS	29-Apr-23	1,090	8.14	660	720	440	120	11	51	77	11	680	39	35	< 0.01	-	0.04	-	-	-
ST-DS	30-Jul-23	861	8.43	550	480	350	59	5	53	53	18	440	35	45	0.02		3.3			
ST-DS	04-Nov-23	937	8.22	880			67	9	63	72	24			55	< 0.01		0.06			
ST-DS	31-Mar-24	1,561	7.78	320	270		42	5	36	35	9	270	< 5	22	0.02		< 0.02			
ST-DS	14-Jun-24	853	7.87	540			70	7	53	68	16	500	< 5	43			< 0.02			
ST-DS	12-Sep-24	956	7.57	570			66	7	62	69	15			58	< 0.01		< 0.02			
ST-DS	29-Dec-24	928	8.3	540	480		59	7	50	66	17	450	23	72	< 0.01		< 0.02			
ST-DS	21-Mar-25	949	8.16	530			46	6	46	48	17			64	0.06		< 0.02			
ST-DS	22-May-25	926	8.34	610			57	5	69	64	15			79	< 0.01		< 0.02			

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Silicon	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
MC@Hwy	03-Mar-23	15	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.005	0.004	-	< 0.01	-	< 0.001	0.84	< 0.0001	0.11	0.002	< 0.001	-	< 0.005
MC@Hwy	28-Apr-23	13	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.001	0.001	-	< 0.01	-	< 0.001	0.12	< 0.0001	0.024	0.003	-	-	< 0.005
MC@Hwy	21-Jul-23	12		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.075	< 0.0001	0.017	0.002	< 0.001		< 0.005
MC@Hwy	31-Mar-24	14		< 0.05		< 0.001	< 0.0001	< 0.001	0.007	0.004			0.03	< 0.001	0.3	< 0.0001	0.4	0.001	< 0.001		0.015
MC@Hwy	16-Jun-24		46	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0.001			0.02	< 0.001	0.049	< 0.0001	0.081	0.002	< 0.001		< 0.005
MC@Hwy	20-Mar-25	2		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.02		< 0.001	0.012	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
MC@Hwy	25-May-25		42	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	0.003		0.02		< 0.001	0.043	< 0.0001	0.04	< 0.001	< 0.001		< 0.005
MC@Hwy	All dry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC@Hwy Limits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC@Hwy Targets		-	-	-	-	-	-	-	**1.0**	**1.0**	-	-	-	-	-	-	**1.0**	-	-	-	-
Mine Ck (adj SMPB03)	07-Feb-22	7.1	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	0.011	0.01	-	< 0.01	-	-	0.26	< 0.0001	0.2	< 0.001	< 0.001	-	< 0.005
Mine Ck (adj SMPB03)	03-Feb-23	15	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.007	0.003	-	0.02	-	< 0.001	0.74	< 0.0001	0.11	< 0.001	< 0.001	-	< 0.005
Mine Ck (adj SMPB03)	04-Mar-23	16	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.005	0.004	-	< 0.01	-	< 0.001	0.81	< 0.0001	0.097	0.001	< 0.001	-	< 0.005
Mine Ck (adj SMPB03)	28-Apr-23	20	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.002	0.002	-	< 0.01	-	< 0.001	0.45	< 0.0001	0.03	0.002	-	-	< 0.005
Mine Ck (adj SMPB03)	22-Jul-23	17		< 0.05		< 0.001	< 0.0001	< 0.001	0.002	< 0.001		< 0.01		< 0.001	0.66	< 0.0001	0.02	0.002	< 0.001		< 0.005
Mine Ck (adj SMPB03)	04-Nov-23		38	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	0.68	< 0.0001	0.037	< 0.001	< 0.001		< 0.005
Mine Ck (adj SMPB03)	31-Mar-24	18		< 0.05		< 0.001	< 0.0001	< 0.001	0.003	0.001			0.04	< 0.001	0.72	< 0.0001	0.054	0.001	< 0.001		0.011
Mine Ck (adj SMPB03)	14-Jun-24		53	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0.001	< 0.001			0.16	< 0.001	0.48	< 0.0001	0.013	< 0.001	< 0.001		< 0.005
Mine Ck (adj SMPB03)	26-Mar-25	4.8		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	0.001		0.08		< 0.001	0.24	< 0.0001	0.008	< 0.001	< 0.001		< 0.005
Mine Ck (adj SMPB03)	24-Apr-25		48	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	0.001		0.03		< 0.001	0.33	< 0.0001	0.012	< 0.001	< 0.001		< 0.005
Mine Creek Sites																					
Rademy Spring	01-Oct-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rademy Spring	03-Oct-18	24	52	<0.01	<0.001	<0.001	<0.0001	-	<0.001	<0.001	<0.05	0.01	0.25	<0.001	<0.01	<0.0001	0.003	<0.001	<0.001	-	<0.005
Rademy Spring	19-Dec-18	-	-	-	-	-	-	-	<0.001	<0.001	-	-	-	-	0.69	-	<0.001	<0.001	-	-	-
Rademy Spring	10-Feb-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rademy Spring	11-Feb-19	-	-	-	-	-	-	-	<0.001	<0.001	-	-	-	-	0.12	-	0.002	<0.001	-	-	-
Rademy Spring	01-Jun-19	20	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	<0.01	-	<0.001	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
Rademy Spring	25-Aug-19	16	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
Rademy Spring	13-Feb-20	14	-	<0.01	-	<0.001	<0.0001	<0.001	0.003	0.001	-	-	-	-	0.53	<0.0001	0.008	<0.001	<0.001	-	<0.005
Rademy Spring	24-Jun-20	15	31	<0.01	-	<0.001	<0.0001	0.002	<0.001	<0.001	-	-	-	-	0.02	<0.0001	0.003	<0.001	<0.001	-	<0.005
Rademy Spring	28-Feb-21	23	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.04	<0.0001	0.005	<0.001	<0.001	-	<0.005
Rademy Spring	30-May-21	25	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	<0.01	<0.0001	0.002	<0.001	<0.001	-	<0.005
Rademy Spring	24-Aug-21	27	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	<0.01	-	-	<0.01	<0.0001	0.002	<0.001	<0.001	-	<0.005
Rademy Spring	21-Nov-21	18	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	0.003	-	< 0.01	-	-	0.03	< 0.0001	0.009	0.001	< 0.001	-	< 0.005
Rademy Spring	13-Feb-22	27	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.01	-	-	0.02	< 0.0001	0.002	< 0.001	< 0.001	-	< 0.005
Rademy Spring	30-Apr-22	25	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.01	-	-	0.02	< 0.0001	0.005	< 0.001	< 0.001	-	< 0.005
Rademy Spring	21-Aug-22	29	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	< 0.001	0.056	< 0.0001	0.001	< 0.001	< 0.001	-	< 0.005
Rademy Spring	10-Dec-22	23	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0.028	< 0.0001	0.002	< 0.001	< 0.001	< 0.001	< 0.005
Rademy Spring	03-Feb-23	29	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.05	-	< 0.001	0.028	< 0.0001	0.002	< 0.001	< 0.001	-	< 0.005
Rademy Spring	29-Apr-23	33	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	< 0.001	< 0.005	0.0006	< 0.001	0.002	-	-	< 0.005
Rademy Spring	30-Jul-23	25		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.007	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Rademy Spring	04-Nov-23		77	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Rademy Spring	31-Mar-24	27		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.01	< 0.001	0.029	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Rademy Spring	14-Jun-24		74	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.12	< 0.001	0.016	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Rademy Spring	12-Sep-24	30		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Rademy Spring	29-Dec-24	34		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.03		< 0.001	0.017	< 0.0001	< 0.001	0.001	< 0.001		< 0.005
Rademy Spring	21-Mar-25	3.8		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.05		< 0.001	0.019	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
Rademy Spring	22-May-25		62	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.04		< 0.001	0.015	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-DS	11-Feb-19	-	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	0.003	-	<0.01	-	-	<0.01	-	0.002	<0.001	-	-	-
ST-DS	14-Mar-19	-	-	<0.01	-	0.001	<0.0001	-	<0.001	<0.001	-	<0.01	-	<0.001	0.03	<0.0001	<0.001	-	-	-	<0.005
ST-DS	13-Feb-20	-	-	0.18	-	<0.001	<0.0001	<0.001	<0.001	0.002	-	-	-	-	<0.01	-	<0.001	<0.001	-	-	-
ST-DS	28-Feb-21	14	-	0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.02	<0.0001	<0.001	<0.001	<0.001	-	<0.005
ST-DS	30-May-21	19	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	<0.01	<0.0001	<0.001	<0.001	<0.001	-	<0.005
ST-DS	14-Feb-22	-	-	0.03	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	-	< 0.01	0.0001	< 0.001	< 0.001	-	-	< 0.005
ST-DS	30-Apr-22	8.4	-	0.03	-	0.001	< 0.0001	< 0.001	< 0.001	0.016	-	0.04	-	-	< 0.01	< 0.0001	0.006	0.001	< 0.001	-	< 0.005
ST-DS	09-Dec-22	13	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
ST-DS	04-Feb-23	14	-	0.07	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.06	-	< 0.001	0.016	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
ST-DS	29-Apr-23	37	-	< 0.05	-	0.002	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.02	-	< 0.001	0.008	0.0001	< 0.001	0.002	-	-	< 0.005
ST-DS	30-Jul-23	17		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.009	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-DS	04-Nov-23		58	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.02	< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-DS	31-Mar-24	21		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.03	< 0.001	0.053	< 0.0001	< 0.001	< 0.001	< 0.001		0.013
ST-DS	14-Jun-24		58	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.07	< 0.001	0.008	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-DS	12-Sep-24	22		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-DS	29-Dec-24	< 0.1		< 0.05		0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.02		< 0.001	0.009	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-DS	21-Mar-25	2.8		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.04		< 0.001	0.058	< 0.0001	< 0.001	< 0.001	< 0.001		0.04
ST-DS	22-May-25		51	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.04		< 0.001	0.02	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate	Nitrite	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons
		µS/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	mg/L
ST-US-1	10-Feb-19	190	8.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST-US-1	11-Feb-19	-	-	-	77	140	16	6	33	15	<5	-	-	6	0.04	0.03	1.3	1.8	0.53	-
ST-US-1	13-Feb-20	154	7.45	90	-	52	8	3	12	5	<5	-	-	8	-	-	<0.02	1	0	-
ST-US-1	28-Feb-21	219	8.00	140	-	87	16	3	19	10	6	-	-	11	-	-	0.0	1	0	-
ST-US-1	14-Feb-22	221	7.95	130	-	-	16	3	14	8	5	-	-	12	0.05	-	< 0.02	-	-	-
ST-US-1	09-Dec-22	258	7.4	160	110	81	16	4	18	9	6	110	< 5	9	< 0.01	-	< 0.02	-	-	-
ST-US-1	04-Feb-23	232	8.15	160	120	80	24	3	17	11	5	120	< 5	9	< 0.01	-	< 0.02	-	-	-
ST-US-1	29-Apr-23	639	8.43	380	380	260	58	5	42	39	15	350	25	29	< 0.01	-	< 0.02	-	-	-
ST-US-1	30-Jul-23	835	8.5	540	460	310	61	5	47	47	19	430	32	43	< 0.01		3.4			
ST-US-1	04-Nov-23	916	7.93	750			73	8	55	57	19			16	< 0.01		0.05			
ST-US-1	31-Mar-24	429	7.96	260	220		36	4	27	24	8	220	< 5	3	< 0.01		< 0.02			
ST-US-1	14-Jun-24	865	7.85	530			75	7	54	62	17	500	< 5	40			< 0.02			
ST-US-1	12-Sep-24	875	7.55	520			67	7	46	57	13			30	< 0.01		< 0.02			
ST-US-1	29-Dec-24	732	8.62	400	390		70	7	31	44	15	360	32	15	< 0.01		< 0.02			
ST-US-1	21-Mar-25	747	7.96	420			47	6	38	36	14			19	0.02		< 0.02			
ST-US-1	22-May-25	683	8.27	530			47	4	43	38	10			13	< 0.01		< 0.02			
TSF	14-Aug-18	5,449	7.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSF	02-Oct-18	5,443	8.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSF	03-Oct-18	-	8.04	-	190	3,400	200	49	520	500	-	-	30	3,600	0.33	0.03	0.07	1.1	0.33	-
TSF	21-Nov-18	7,859	7.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSF	16-Dec-18	4,345	7.31	-	250	-	-	-	-	-	-	-	-	2,900	-	-	-	-	-	-
TSF	11-Feb-19	4,262	6.17	-	<5	-	-	-	-	-	-	-	-	2,800	-	-	-	-	-	-
TSF	02-Jun-19	4,943	6.53	-	-	-	180	96	650	350	180	-	-	3,600	5.8	-	20	-	-	<4.22
TSF	25-Aug-19	5,056	6.30	6,400	-	-	250	70	550	340	63	-	-	3,300	-	-	16.0	-	-	-
TSF	17-Nov-19	5,366	6.91	6,100	-	-	260	130	490	340	190	-	-	3,000	-	-	14.0	-	-	-
TSF	13-Feb-20	2,483	4.52	2,400	-	-	78	39	290	120	20	-	-	1,700	-	-	7.9	-	-	-
TSF	24-Jun-20	4,916	8.83	5,500	-	-	180	46	440	440	85	-	-	3,600	-	-	0.2	-	-	<0.1600
TSF	19-Sep-20	8,807	8.71	14,000	-	-	480	80	480	1,400	150	-	-	9,100	-	-	0.2	-	-	-
TSF	28-Nov-20	7,182	4.83	8,200	-	-	280	88	480	1,100	93	-	-	4,900	-	-	19.0	-	-	-
TSF	01-Mar-21	3,562	8.10	4,000	-	-	110	34	380	280	26	-	-	2,500	-	-	0.1	-	-	-
TSF	30-May-21	6,212	8.14	7,300	-	-	200	93	410	210	61	-	-	4,600	-	-	0.5	-	-	-
TSF	22-Aug-21	6,466	8.17	7,000	-	-	260	89	410	240	94	-	-	4,100	55	-	29	-	-	-
TSF	20-Nov-21	5,176	6.30	5,600	-	-	210	150	550	120	820	-	-	2,600	14	-	14	-	-	-
TSF	09-Feb-22	2,777	3.90	2,500	-	-	83	62	380	120	88	-	-	1,600	3.1	-	7.7	-	-	-
TSF	30-Apr-22	5,619	4.67	4,200	-	-	240	77	420	570	95	-	-	3,900	14	-	14	-	-	-
TSF	22-Aug-22	5,402	7.77	5,100	110	2,800	200	74	500	420	320	110	< 5	2,900	8.6	-	5.4	-	-	-
TSF	09-Dec-22	4,768	7.08	4,400	5	2,100	160	71	660	170	790	5	< 5	2,300	0.39	-	9.5	-	-	-
TSF	04-Feb-23	4,995	8.14	4,200	< 5	2,700	160	64	550	380	87	< 5	< 5	3,000	2.9	-	6.0	-	-	-
TSF	28-Apr-23	4,449	6.44	2,700	17	2,900	190	68	460	430	26	17	< 5	3,200	9.8	-	7.0	-	-	-
TSF	28-Jul-23	5,159	6.56	5,300	< 5	3,200	210	78	570	440	28	< 5	< 5	3,700	1.2		8.4			
TSF	04-Nov-23	5,801	5.31	5,800			280	120	670	540	370			3,600	< 0.01		15.0			
TSF	31-Mar-24	2,179	3.92	1,400	< 5		66	17	220	180	11	< 5	< 5	1,300	0.4		0.4			
TSF	14-Jun-24	4,064	8.22	2,500			150	35	420	410	21	110	< 5	2,600			< 0.02			
TSF	13-Sep-24	5,140	7.75	3,200			190	39	490	550	22			3,700	1.4		0.4			
TSF	29-Dec-24	5,303	7.91	3,200	110		180	33	470	550	23	110	< 5	3,600	1.3		< 0.02			
TSF	22-Mar-25	4,532	7.35	2,700			130	27	400	420	24			3,400	0.35		< 0.02			
TSF	24-Apr-25	5,057	8.53	4,900			170	26	440	540	23			3,300	0.69		0.1			
TSF Toe Seepage	02-Jun-19	5,114	7.03	-	-	-	170	48	620	490	59	-	-	3,900	0.43	-	0.02	-	-	<0.10
TSF Toe Seepage	22-Aug-21	-	-	4,200	-	-	180	38	410	210	32	-	-	3,100	0.06	-	<0.02	-	-	-
WSF Seepage	14-Aug-18	4,813	7.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	01-Oct-18	4,837	7.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	03-Oct-18	-	-	-	200	2,900	170	32	520	380	28	-	-	3,300	0.1	0.01	<0.02	<0.2	0.18	-
WSF Seepage	21-Nov-18	5,030	7.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	17-Dec-18	4,850	7.08	-	180	-	-	-	-	-	-	-	-	3,300	-	-	-	-	-	-
WSF Seepage	11-Feb-19	3,781	7.58	-	200	-	-	-	-	-	-	-	-	2,500	-	-	-	-	-	<0.16
WSF Seepage	02-Jun-19	4,308	7.37	-	-	-	150	25	650	360	51	-	-	3,100	0.1	-	<0.02	-	-	<0.10
WSF Seepage	25-Aug-19	4,013	7.49	4,600	-	-	170	15	400	320	30	-	-	2,600	-	-	0.0	-	-	<0.1600
WSF Seepage	19-Nov-19	3,831	7.45	3,700	-	-	150	22	430	300	32	-	-	2,200	-	-	0.1	-	-	-
WSF Seepage	13-Feb-20	3,456	7.12	3,400	-	-	140	18	360	260	32	-	-	2,300	-	-	0.0	-	-	<0.1600
WSF Seepage	24-Jun-20	3,845	7.67	3,900	-	-	160	22	450	290	84	-	-	2,700	-	-	0.1	-	-	<0.1600
WSF Seepage	19-Sep-20	4,518	7.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	20-Sep-20	-	-	6,500	-	-	170	27	440	500	33	-	-	3,400	-	-	0.1	-	-	<0.1600
WSF Seepage	28-Nov-20	4,762	7.31	5,000	-	-	150	50	530	420	55	-	-	3,400	-	-	0.7	-	-	<0.1600
WSF Seepage	28-Feb-21	3,804	7.43	4,200	-	-	180	26	390	220	30	-	-	2,600	-	-	0.1	-	-	<0.1600
WSF Seepage	30-May-21	4,176	7.53	3,800	-	-	130	35	340	150	32	-	-	3,000	-	-	0.1	-	-	<0.1600
WSF Seepage	21-Aug-21	4,525	7.36	4,000	-	-	160	32	400	200	34	-	-	3,200	0.15	-	0.13	-	-	<0.1600
WSF Seepage	21-Nov-21	4,751	7.50	4,800	-	-	150	28	430	370	29	-	-	2,800	0.04	-	0.13	-	-	<0.3000
WSF Seepage	07-Feb-22	3,799	7.04	3,500	-	-	160	28	350	240	30	-	-	2,200	0.04	-	0.15	-	-	< 0.16
WSF Seepage	29-Apr-22	4,180	7.60	3,700	-	-	160	19	380	370	88	-	-	3,900	0.23	-	0.08	-	-	0.22
WSF Seepage	20-Aug-22	5,132	7.02	4,300	210	2,900	200	21	480	480	60	210	< 5	2,900	0.11	-	0.07	-	-	<0.39
WSF Seepage	10-Dec-22	5,315	7.52	5,400	200	3,000	180	19	520	410	36	200	< 5	3,200	0.12	-	0.23	-	-	<0.39
WSF Seepage	03-Feb-23	4,498	7.40	4,300	230	3,200	220	22	600	470	31	230	< 5	3,100	0.18	-	0.12	-	-	<0.39
WSF Seepage	04-Mar-23	-	-	3,000	240	-	180	17	390	350	32	240	< 5	2,700	0.22	-	0.24	-	-	-
WSF Seepage	28-Apr-23	4,146	7.66	2,500	250	2,800	190	19	490	390	24	250	< 5	2,900	0.61	-	0.13	-	-	<0.39
WSF Seepage	25-Jul-23	4,374	7.79	4,000	230	3,200	140	18	550	430	25	230	< 5	3,000	0.78		0.35			
WSF Seepage	04-Nov-23	4,966	7.34	5,200			160	24	650	580	29			3,300	0.23		0.17			
WSF Seepage	31-Mar-24	4,189	7.61	2,600	250		170	19	480	470	19	250	< 5	2,400	0.42		0.06			
WSF Seepage	14-Jun-24	4,585	7.33	2,900			160	21	580	500	21	230	< 5	3,200			0.05			
WSF Seepage	13-Sep-24	4,987	7.23	3,100			170	21	510	550	21			3,700	0.7		< 0.02			<0.3700
WSF Seepage	30-Dec-24	5,123	7.63	3,100	230		190	23	540	580	23	230	< 5	3,600	0.21		0.23			<0.3700
WSF Seepage	22-Mar-25	4,959	7.68	3,000			150	20	460	460	26			3,800	0.15		0.05			<0.3700
WSF Seepage	24-Apr-25	5,069	7.96	5,100			170	21	520	540	23			3,200	0.21		0.1			<0.3700

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Silicon	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
ST-US-1	10-Feb-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST-US-1	11-Feb-19	-	-	<0.01	-	0.001	<0.0001	<0.001	<0.001	<0.001	-	<0.01	-	-	<0.01	-	<0.001	<0.001	-	-	-
ST-US-1	13-Feb-20	-	-	0.17	-	<0.001	<0.0001	<0.001	<0.001	0.001	-	-	-	-	<0.01	-	<0.001	<0.001	-	-	-
ST-US-1	28-Feb-21	15	-	0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.02	<0.0001	<0.001	<0.001	<0.001	-	<0.005
ST-US-1	14-Feb-22	-	-	0.03	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.04	-	-	< 0.01	0.0003	< 0.001	< 0.001	-	-	< 0.005
ST-US-1	09-Dec-22	12	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0.003	< 0.001	-	0.5	-	< 0.001	0.44	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005
ST-US-1	04-Feb-23	15	-	0.06	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.06	-	< 0.001	0.018	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.005
ST-US-1	29-Apr-23	21	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	< 0.005	0.0002	< 0.001	0.001	-	-	< 0.005
ST-US-1	30-Jul-23	17		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.007	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-US-1	04-Nov-23		50	< 0.05		0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	0.07	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-US-1	31-Mar-24	16		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.04	< 0.001	0.027	< 0.0001	< 0.001	< 0.001	< 0.001		0.008
ST-US-1	14-Jun-24		56	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.09	< 0.001	0.057	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-US-1	12-Sep-24	20		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-US-1	29-Dec-24	22		< 0.05		0.002	< 0.0001	< 0.001	< 0.001	< 0.001		0.02		< 0.001	< 0.005	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
ST-US-1	21-Mar-25	13		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		0.02		< 0.001	0.12	< 0.0001	0.005	< 0.001	< 0.001		< 0.005
ST-US-1	22-May-25		34	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.006	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.005
TSF	14-Aug-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSF	02-Oct-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSF	03-Oct-18	23	50	<0.01	<0.001	<0.001	0.0001	-	0.002	0.01	<0.05	<0.01	0.29	0.017	0.05	<0.0001	1.3	0.002	<0.001	-	<0.005
TSF	21-Nov-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSF	16-Dec-18	-	-	-	-	-	-	-	0.07	0.003	-	-	-	-	0.55	-	2.5	0.003	-	-	-
TSF	11-Feb-19	-	-	-	-	-	-	-	0.074	<0.001	-	-	-	-	0.74	-	4.7	0.005	-	-	-
TSF	02-Jun-19	11	-	<0.01	-	<0.001	<0.0001	<0.001	0.014	<0.001	-	0.39	-	<0.001	0.9	<0.0001	2.2	0.006	<0.001	-	0.007
TSF	25-Aug-19	12	-	<0.01	-	<0.001	<0.0001	<0.001	0.013	<0.001	-	-	-	-	1.1	<0.0001	1.8	0.007	<0.001	-	<0.005
TSF	17-Nov-19	11	-	<0.01	-	<0.001	0.0001	<0.001	0.012	<0.001	-	-	-	-	0.42	<0.0001	1.9	0.012	<0.001	-	<0.005
TSF	13-Feb-20	8	-	0.72	-	<0.001	0.0002	<0.001	0.16	0.017	-	-	-	-	0.6	<0.0001	6.5	0.002	<0.001	-	0.026
TSF	24-Jun-20	3	6	0.66	-	<0.001	<0.0001	0.002	0.005	0.003	-	-	-	-	0.16	<0.0001	0.32	0.003	<0.001	-	<0.005
TSF	19-Sep-20	5	9	<0.01	-	<0.001	<0.0001	<0.001	0.002	0.007	-	-	-	-	0.02	<0.0001	0.13	0.008	<0.001	-	0.016
TSF	28-Nov-20	28	-	3.1	-	0.002	0.0024	0.001	0.63	0.15	-	-	-	-	3.8	<0.0001	33	0.019	<0.001	-	0.3
TSF	01-Mar-21	17	-	0.01	-	<0.001	0.0004	<0.001	0.16	0.012	-	-	-	-	0.7	<0.0001	6.9	0.004	<0.001	-	0.043
TSF	30-May-21	22	-	<0.01	-	<0.001	<0.0001	<0.001	0.019	0.002	-	-	-	-	0.15	<0.0001	3.2	0.015	<0.001	-	<0.005
TSF	22-Aug-21	22	-	<0.01	-	<0.001	<0.0001	<0.001	0.033	0.004	-	<0.01	-	-	0.22	<0.0001	5	0.007	<0.001	-	<0.005
TSF	20-Nov-21	3.7	-	0.26	-	< 0.001	0.0003	< 0.001	0.058	0.035	-	0.98	-	-	0.19	< 0.0001	1.5	0.043	0.001	-	0.014
TSF	09-Feb-22	7.6	-	0.58	-	< 0.001	0.0001	< 0.001	0.08	< 0.001	-	17	-	-	0.44	< 0.0001	4.4	0.005	< 0.001	-	0.024
TSF	30-Apr-22	4.2	-	0.23	-	0.001	< 0.0001	< 0.001	0.031	0.004	-	0.96	-	-	0.51	< 0.0001	0.061	0.007	< 0.001	-	0.007
TSF	22-Aug-22	16	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.006	< 0.001	-	0.09	-	< 0.001	0.62	< 0.0001	1.6	0.008	< 0.001	-	< 0.005
TSF	09-Dec-22	6.4	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0.012	< 0.001	-	0.14	-	< 0.001	0.36	< 0.0001	1.4	0.008	< 0.001	< 0.001	< 0.005
TSF	04-Feb-23	12	-	< 0.05	-	< 0.001	0.0002	< 0.001	0.038	< 0.001	-	6	-	< 0.001	0.8	< 0.0001	3	0.006	< 0.001	-	0.02
TSF	28-Apr-23	17	-	< 0.05	-	< 0.001	0.0001	< 0.001	0.088	< 0.001	-	0.24	-	< 0.001	1.1	< 0.0001	7.2	0.006	-	-	0.035
TSF	28-Jul-23	11		2.1		< 0.001	0.0002	0.005	0.089	0.069		24		0.002	1.1	< 0.0001	9.7	0.003	< 0.001		0.18
TSF	04-Nov-23		41	0.57		< 0.001	< 0.0001	< 0.001	0.051	< 0.001			11	< 0.001	0.95	< 0.0001	6.3	0.006	< 0.001		0.02
TSF	31-Mar-24	14		1.5		< 0.001	0.0003	< 0.001	0.22	0.14			1.3	< 0.001	0.53	< 0.0001	8.1	0.002	< 0.001		0.21
TSF	14-Jun-24		44	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0.03	< 0.001			0.78	< 0.001	0.33	< 0.0001	4.3	0.003	< 0.001		0.007
TSF	13-Sep-24	14		< 0.05		< 0.001	< 0.0001	< 0.001	0.078	0.001		0.1		< 0.001	0.64	< 0.0001	6.1	0.003	< 0.001		0.23
TSF	29-Dec-24	12		< 0.05		< 0.001	< 0.0001	< 0.001	0.043	0.001		0.03		< 0.001	0.22	< 0.0001	3.1	0.003	< 0.001		0.012
TSF	22-Mar-25	2.3		< 0.05		< 0.001	0.0001	< 0.001	0.059	0.007		0.03		< 0.001	0.16	< 0.0001	2.9	0.002	< 0.001		0.008
TSF	24-Apr-25		35	< 0.05		< 0.001	< 0.0001	< 0.001	0.015	0.004		< 0.01		< 0.001	0.012	< 0.0001	1.4	0.003	< 0.001		< 0.005
TSF Toe Seepage	02-Jun-19	17	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	0.001	-	<0.01	-	<0.001	0.21	<0.0001	0.004	<0.001	<0.001	-	<0.005
TSF Toe Seepage	22-Aug-21	25	-	<0.01	-	<0.001	<0.0001	<0.001	0.002	0.001	-	<0.01	-	-	0.33	<0.0001	0.37	<0.001	<0.001	-	0.006
WSF Seepage	14-Aug-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	01-Oct-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	03-Oct-18	20	43	<0.01	<0.001	0.001	<0.0001	-	<0.001	<0.001	<0.05	<0.01	0.03	<0.001	<0.01	<0.0001	0.005	<0.001	<0.001	-	<0.005
WSF Seepage	21-Nov-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	17-Dec-18	-	-	-	-	-	-	-	<0.001	<0.001	-	-	-	-	0.01	-	0.004	<0.001	-	-	-
WSF Seepage	11-Feb-19	-	-	-	-	-	-	-	<0.001	<0.001	-	-	-	-	0.18	-	0.004	<0.001	-	-	-
WSF Seepage	02-Jun-19	18	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.01	-	-	<0.001	0.39	<0.0001	0.003	<0.001	<0.001	-	<0.005
WSF Seepage	25-Aug-19	17	-	<0.01	-	0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.73	<0.0001	0.003	<0.001	<0.001	-	<0.005
WSF Seepage	19-Nov-19	20	-	<0.01	-	0.002	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.64	<0.0001	0.003	<0.001	<0.001	-	<0.005
WSF Seepage	13-Feb-20	18	-	<0.01	-	0.002	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.4	<0.0001	0.007	<0.001	<0.001	-	<0.005
WSF Seepage	24-Jun-20	19	41	<0.01	-	0.002	<0.0001	0.002	0.001	<0.001	-	-	-	-	2.3	<0.0001	0.008	<0.001	<0.001	-	<0.005
WSF Seepage	19-Sep-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF Seepage	20-Sep-20	22	40	<0.01	-	0.001	<0.0001	<0.001	<0.001	0.001	-	-	-	-	0.58	<0.0001	0.006	<0.001	<0.001	-	0.009
WSF Seepage	28-Nov-20	21	-	<0.01	-	0.002	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	3.7	<0.0001	0.006	<0.001	<0.001	-	<0.005
WSF Seepage	28-Feb-21	23	-	<0.01	-	0.002	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.64	<0.0001	0.004	<0.001	<0.001	-	<0.005
WSF Seepage	30-May-21	23	-	<0.01	-	0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.62	<0.0001	0.005	<0.001	<0.001	-	<0.005
WSF Seepage	21-Aug-21	23	-	<0.01	-	0.001	<0.0001	<0.001	0.002	<0.001	-	<0.01	-	-	2.5	<0.0001	0.004	<0.001	<0.001	-	0.009
WSF Seepage	21-Nov-21	24	-	< 0.01	-	0.002	< 0.0001	< 0.001	0.004	< 0.001	-	< 0.01	-	-	5.2	< 0.0001	0.008	< 0.001	< 0.001	-	0.006
WSF Seepage	07-Feb-22	25	-	< 0.01	-	0.003	< 0.0001	< 0.001	0.002	< 0.001	-	< 0.01	-	-	2	< 0.0001	0.006	< 0.001	< 0.001	-	< 0.005
WSF Seepage	29-Apr-22	20	-	< 0.01	-	0.003	< 0.0001	< 0.001	< 0.001	0.001	-	0.02	-	-	0.41	< 0.0001	0.007	< 0.001	< 0.001	-	< 0.005
WSF Seepage	20-Aug-22	24	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.01	-	< 0.001	1.3	< 0.0001	0.003	< 0.001	< 0.001	-	< 0.005
WSF Seepage	10-Dec-22	25	-	< 0.05	< 0.001	0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.03	-	< 0.001	1.9	< 0.0001	0.003	< 0.001	< 0.001	< 0.001	0.006
WSF Seepage	03-Feb-23	21	-	< 0.05	-	0.002	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.02	-	< 0.001	1.3	< 0.0001	0.003	< 0.001	< 0.001	-	< 0.005
WSF Seepage	04-Mar-23	18	-	< 0.05	-	0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	0.63	< 0.0001	0.002	0.002	< 0.001	-	< 0.005
WSF Seepage	28-Apr-23	23	-	< 0.05	-	0.002	< 0.0001	< 0.001	< 0.001	< 0.001	-	< 0.01	-	< 0.001	1.1	< 0.0001	0.003	< 0.001	-	-	< 0.005
WSF Seepage	25-Jul-23	17		< 0.05		0.001	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.46	< 0.0001	0.003	0.002	< 0.001		< 0.005
WSF Seepage	04-Nov-23		49	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			< 0.01	< 0.001	0.97	< 0.0001	0.005	< 0.001	< 0.001		< 0.005
WSF Seepage	31-Mar-24	22		< 0.05		0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.01	< 0.001	0.72	< 0.0001	0.003	< 0.001	< 0.001		0.016
WSF Seepage	14-Jun-24		47	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001			0.11	< 0.001	0.66	< 0.0001	0.003	< 0.001	< 0.001		< 0.005
WSF Seepage	13-Sep-24	20		< 0.05		0.002	< 0.0001	< 0.001	< 0.001	< 0.001		< 0.01		< 0.001	0.69	< 0.0001	0.004	< 0.001	< 0.001		< 0.005
WSF Seepage	30-Dec-24	21		< 0.05		0.002	< 0.0001	< 0.001	0.001	< 0.001		0.01		< 0.001	1.1	< 0.0001	0.003	0.001	< 0.001		0.006
WSF Seepage	22-Mar-25	3.7		< 0.05		0.002	< 0.0001	< 0.001	0.001	< 0.001		0.02		< 0.001	1.1	< 0.0001	0.003	< 0.001	< 0.001		< 0.005
WSF Seepage	24-Apr-25		45	< 0.05		0.002	< 0.0001	< 0.001	0.001	< 0.001		0.02		< 0.001	1.4	< 0.0001	0.004	< 0.001	< 0.001		< 0.005

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Electrical Conductivity Field	pH Field	Total Dissolved Solids	Alkalinity	Hardness	Sodium	Potassium	Calcium	Magnesium	Chloride	Bicarbonate	Carbonate	Sulphate	Nitrate	Nitrite	Ammonia-N	Total Kjeldahl Nitrogen	Total Phosphorus	Total Recoverable Hydrocarbons
		µS/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	mg/L
WSF1	14-Aug-18	4,952	8.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF1	01-Oct-18	6,053	8.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF1	03-Oct-18	-	-	-	200	3,100	170	38	520	440	28	-	-	3,300	0.02	<0.01	<0.02	0.4	0.35	-
WSF1	21-Nov-18	5,188	8.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF1	16-Dec-18	4,807	7.87	-	170	-	-	-	-	-	-	-	-	3,200	-	-	-	-	-	-
WSF1	11-Feb-19	3,049	8.05	-	170	-	-	-	-	-	-	-	-	1,900	-	-	-	-	-	-
WSF1	02-Jun-19	3,549	8.10	-	-	-	120	26	490	340	29	-	-	2,500	0.03	-	0.06	-	-	-
WSF1	25-Aug-19	1,122	8.34	790	-	-	74	7	58	73	22	-	-	280	-	-	0.19	-	-	-
WSF1	19-Nov-19	1,451	7.99	1,100	-	-	66	12	69	96	22	-	-	440	-	-	0.13	-	-	-
WSF1	13-Feb-20	1,925	6.47	1,800	-	-	41	16	170	140	13	-	-	1,200	-	-	0.19	-	-	-
WSF1	24-Jun-20	4,205	8.20	4,100	-	-	160	29	470	360	80	-	-	2,900	-	-	0.08	-	-	-
WSF1	19-Sep-20	4,817	8.21	6,900	-	-	170	28	400	580	33	-	-	3,500	-	-	<0.02	-	-	-
WSF1	26-Nov-20	3,503	6.61	3,200	-	-	110	34	410	310	36	-	-	2,200	-	-	0.22	-	-	-
WSF1	01-Mar-21	3,147	8.29	3,300	-	-	94	27	350	210	26	-	-	2,000	-	-	<0.02	-	-	-
WSF1	30-May-21	4,277	8.30	3,800	-	-	130	38	350	160	32	-	-	2,900	-	-	<0.02	-	-	-
WSF1	21-Aug-21	4,660	8.32	4,200	-	-	180	38	430	210	75	-	-	3,100	0.06	-	<0.02	-	-	-
WSF1	21-Nov-21	3,536	8.34	3,600	-	-	110	23	280	320	26	-	-	2,000	0.23	-	< 0.02	-	-	-
WSF1	08-Feb-22	2,348	8.19	2,000	-	-	73	25	210	160	17	-	-	1,400	1.1	-	0.06	-	-	-
WSF1	30-Apr-22	4,375	7.88	3,700	-	-	170	24	410	470	60	-	-	2,900	0.51	-	0.05	-	-	-
WSF1	20-Aug-22	5,178	7.27	4,100	240	2,900	200	27	430	550	57	240	< 5	2,800	1.3	-	0.19	-	-	-
WSF1	10-Dec-22	5,222	8.02	5,500	260	3,200	170	25	460	490	33	260	< 5	3,100	1.8	-	0.37	-	-	-
WSF1	03-Feb-23	2,731	8.12	2,500	180	1,800	84	19	290	300	19	180	< 5	1,600	1.7	-	< 0.02	-	-	-
WSF1	28-Apr-23	3,423	8.07	2,000	210	2,400	110	23	350	370	22	210	< 5	2,200	4.3	-	0.05	-	-	-
WSF1	25-Jul-23	4576	8.05	4700	260	3300	140	25	490	510	24	260	< 5	3200	3.7		0.24			
WSF1	04-Nov-23	5137	8.23	5200			160	29	550	670	28			3500	1.3		0.05			
WSF1	31-Mar-24	1886	7.53	1200	63		48	13	160	180	9.4	63	< 5	1200	2.3		0.09			
WSF1	14-Jun-24	4707	7.71	2900			150	26	460	520	20	240	< 5	3200			< 0.02			
WSF1	12-Sep-24	5058	7.57	3200			170	26	490	570	21			3600	1.6		< 0.02			
WSF1	30-Dec-24	5178	7.94	3100	250		170	25	480	570	23	250	< 5	3500	0.75		< 0.02			<0.3700
WSF1	22-Mar-25	4989	7.88	3000			130	23	430	470	25			3600	0.8		0.05			<0.3700
WSF1	24-Apr-25	5119	8.23	5000			170	23	490	590	23			3300	0.73		0.09			<0.3700
WSF1 Water Limits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**15**
WSF2	01-Oct-18	4,678	8.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF2	03-Oct-18	-	-	-	180	2,900	160	32	490	400	29	-	-	3,100	0.03	<0.01	<0.02	0.4	0.13	-
WSF2	11-Feb-19	3,627	7.90	-	170	-	-	-	-	-	-	-	-	2,300	-	-	-	-	-	-
WSF2	02-Jun-19	2,345	8.19	-	-	-	81	13	310	190	27	-	-	1,300	0.01	-	0.04	-	-	-
WSF2	19-Sep-20	3,915	7.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF2	20-Sep-20	-	-	4,900	-	-	150	22	410	460	34	-	-	2,700	-	-	0.07	-	-	-
WSF2	28-Nov-20	4,364	8.40	4,400	-	-	150	39	560	400	58	-	-	3,100	-	-	0.07	-	-	-
WSF2	28-Feb-21	3,916	8.25	4,300	-	-	130	28	390	310	58	-	-	2,600	-	-	0.08	-	-	-
WSF2	30-May-21	4,407	8.35	4,100	-	-	130	34	310	160	60	-	-	3,100	-	-	0.03	-	-	-
WSF2	20-Aug-22	4,825	5.83	3,600	47	2,200	210	130	710	130	920	47	< 5	2,100	0.61	-	8.5	-	-	-
WSF2	10-Dec-22	3,550	7	3,400	15	1,800	120	34	440	180	150	15	< 5	1,800	< 0.01	-	0.75	-	-	-
WSF2	04-Feb-23	3,552	6.83	3,300	61	2,200	150	41	510	300	28	61	< 5	2,400	< 0.01	-	2.0	-	-	-
WSF2	28-Apr-23	3,529	8.47	2,100	260	2,400	150	19	360	360	27	250	8.2	2,300	0.94	-	0.11	-	-	-
WSF3	11-Feb-19	4,910	8.05	-	150	-	-	-	-	-	-	-	-	3,300	-	-	-	-	-	-
WSF3	02-Jun-19	4,327	7.92	-	-	-	140	39	600	380	29	-	-	3,100	0.1	-	0.07	-	-	-
WSF3	19-Sep-20	4,940	8.12	7,000	-	-	190	31	460	570	57	-	-	3,600	-	-	0.09	-	-	-
WSF3	28-Nov-20	5,382	7.99	5,900	-	-	180	39	400	700	60	-	-	3,900	-	-	0.23	-	-	-
WSF3	28-Feb-21	3,580	8.25	4,000	-	-	120	28	360	300	27	-	-	2,300	-	-	<0.02	-	-	-
WSF3	30-May-21	4,331	8.07	3,900	-	-	140	38	390	170	33	-	-	3,100	-	-	0.08	-	-	-
WSF3	20-Aug-22	5,006	7.18	4,100	210	2,800	170	27	430	460	31	210	< 5	2,800	1.5	-	0.52	-	-	-
WSF3	09-Dec-22	6,443	8.06	6,600	88	3,500	220	57	480	580	61	88	< 5	3,800	37	-	21	-	-	-

Appendix F. Surface water Quality Data, 2018-2025

Site	Date	Silicon	Reactive Silica	Aluminium	Antimony	Arsenic	Cadmium	Chromium	Cobalt	Copper	Ferrous	Iron	Iron (total)	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Tin	Zinc
		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
WSF1	14-Aug-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF1	01-Oct-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF1	03-Oct-18	24	52	<0.01	<0.001	0.001	<0.0001	-	0.001	0.002	<0.05	<0.01	0.05	<0.001	1.1	<0.0001	0.1	<0.001	<0.001	-	<0.005
WSF1	21-Nov-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF1	16-Dec-18	-	-	-	-	-	-	-	0.003	0.002	-	-	-	-	0.59	-	0.22	<0.001	-	-	-
WSF1	11-Feb-19	-	-	-	-	-	-	-	0.021	0.003	-	-	-	-	0.19	-	1.7	0.002	-	-	-
WSF1	02-Jun-19	19	-	<0.01	-	0.001	<0.0001	<0.001	0.002	0.004	<0.01	-	-	<0.001	0.09	<0.0001	0.29	<0.001	<0.001	-	<0.005
WSF1	25-Aug-19	19	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	0.001	-	-	-	-	<0.01	<0.0001	0.01	0.001	<0.001	-	<0.005
WSF1	19-Nov-19	21	-	<0.01	-	<0.001	<0.0001	<0.001	<0.001	0.001	-	-	-	-	<0.01	<0.0001	0.011	<0.001	<0.001	-	<0.005
WSF1	13-Feb-20	9	-	<0.01	-	<0.001	0.0007	<0.001	0.62	0.048	-	-	-	-	0.98	<0.0001	14	0.004	<0.001	-	0.032
WSF1	24-Jun-20	17	36	<0.01	-	<0.001	<0.0001	0.002	0.001	0.003	-	-	-	-	0.11	<0.0001	0.41	<0.001	<0.001	-	<0.005
WSF1	19-Sep-20	21	41	<0.01	-	0.001	<0.0001	<0.001	<0.001	0.003	-	-	-	-	<0.01	<0.0001	0.1	<0.001	<0.001	-	0.007
WSF1	26-Nov-20	23	-	<0.01	-	0.002	<0.0001	<0.001	<0.001	0.003	-	-	-	-	0.12	<0.0001	0.045	0.003	<0.001	-	<0.005
WSF1	01-Mar-21	18	-	<0.01	-	<0.001	<0.0001	<0.001	0.018	0.002	-	-	-	-	0.12	<0.0001	1.7	0.002	<0.001	-	<0.005
WSF1	30-May-21	22	-	<0.01	-	<0.001	<0.0001	<0.001	0.004	0.002	-	-	-	-	0.11	<0.0001	0.82	0.001	<0.001	-	<0.005
WSF1	21-Aug-21	26	-	<0.01	-	<0.001	<0.0001	<0.001	0.001	0.001	-	<0.01	-	-	0.23	<0.0001	0.38	<0.001	<0.001	-	<0.005
WSF1	21-Nov-21	25	-	< 0.01	-	0.001	< 0.0001	< 0.001	< 0.001	0.007	-	< 0.01	-	-	0.06	< 0.0001	0.16	0.002	< 0.001	-	< 0.005
WSF1	08-Feb-22	14	-	< 0.01	-	< 0.001	< 0.0001	< 0.001	0.078	< 0.001	-	< 0.01	-	-	0.39	< 0.0001	4.8	0.003	< 0.001	-	< 0.005
WSF1	30-Apr-22	20	-	< 0.01	-	0.002	< 0.0001	< 0.001	0.006	0.004	-	0.02	-	-	0.38	< 0.0001	0.63	0.002	< 0.001	-	< 0.005
WSF1	20-Aug-22	22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.007	0.001	-	0.08	-	< 0.001	1.4	< 0.0001	0.26	0.001	< 0.001	-	< 0.005
WSF1	10-Dec-22	23	-	< 0.05	< 0.001	0.001	< 0.0001	< 0.001	0.012	0.002	-	< 0.01	-	< 0.001	1.4	< 0.0001	0.36	0.001	< 0.001	< 0.001	< 0.005
WSF1	03-Feb-23	16	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.05	0.003	-	< 0.01	-	< 0.001	0.2	< 0.0001	2.3	0.002	< 0.001	-	< 0.005
WSF1	28-Apr-23	18	-	< 0.05	-	0.003	< 0.0001	< 0.001	0.014	0.002	-	< 0.01	-	< 0.001	0.19	< 0.0001	1.7	0.004	-	-	< 0.005
WSF1	25-Jul-23	15		< 0.05		< 0.001	< 0.0001	< 0.001	0.003	< 0.001		< 0.01		< 0.001	0.11	< 0.0001	0.78	0.004	< 0.001		< 0.005
WSF1	04-Nov-23		55	< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	0.003			< 0.01	< 0.001	0.095	< 0.0001	0.22	0.001	< 0.001		< 0.005
WSF1	31-Mar-24	10		< 0.05		< 0.001	0.0001	< 0.001	0.084	0.004			< 0.01	< 0.001	0.25	< 0.0001	2.8	0.002	< 0.001		0.021
WSF1	14-Jun-24		44	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.001	0.002			0.05	< 0.001	0.2	< 0.0001	0.3	0.002	< 0.001		< 0.005
WSF1	12-Sep-24	20		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	0.001		< 0.01		< 0.001	0.15	< 0.0001	0.093	0.002	< 0.001		< 0.005
WSF1	30-Dec-24	21		< 0.05		< 0.001	< 0.0001	< 0.001	< 0.001	0.002		< 0.01		< 0.001	0.26	< 0.0001	0.042	0.002	< 0.001		< 0.005
WSF1	22-Mar-25	3.5		< 0.05		< 0.001	< 0.0001	< 0.001	0.003	0.002		< 0.01		< 0.001	0.65	< 0.0001	0.32	0.001	< 0.001		< 0.005
WSF1	24-Apr-25		44	< 0.05		< 0.001	< 0.0001	< 0.001	0.002	0.002		< 0.01		< 0.001	0.3	< 0.0001	0.22	0.001	< 0.001		< 0.005
WSF1 Water Limits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF2	01-Oct-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF2	03-Oct-18	32	68	<0.01	<0.001	0.003	<0.0001	-	<0.001	0.001	<0.05	<0.01	0.05	<0.001	0.02	<0.0001	0.028	<0.001	<0.001	-	<0.005
WSF2	11-Feb-19	-	-	-	-	-	-	-	<0.001	<0.001	-	-	-	-	0.27	-	0.23	<0.001	-	-	-
WSF2	02-Jun-19	22	-	<0.01	-	0.001	<0.0001	<0.001	<0.001	0.001	<0.01	-	-	<0.001	<0.01	<0.0001	0.014	<0.001	<0.001	-	<0.005
WSF2	19-Sep-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WSF2	20-Sep-20	31	54	<0.01	-	0.003	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.01	<0.0001	0.057	<0.001	<0.001	-	<0.005
WSF2	28-Nov-20	31	-	<0.01	-	0.005	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	<0.01	<0.0001	0.042	<0.001	<0.001	-	<0.005
WSF2	28-Feb-21	28	-	<0.01	-	0.003	<0.0001	<0.001	<0.001	0.002	-	-	-	-	<0.01	<0.0001	0.02	<0.001	<0.001	-	<0.005
WSF2	30-May-21	29	-	<0.01	-	0.003	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.01	<0.0001	0.065	<0.001	<0.001	-	<0.005
WSF2	20-Aug-22	7	-	< 0.05	-	0.002	< 0.0001	< 0.001	0.003	< 0.001	-	0.98	-	< 0.001	0.14	< 0.0001	0.35	0.01	< 0.001	-	0.006
WSF2	10-Dec-22	14	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0.046	< 0.001	-	0.39	-	< 0.001	0.65	< 0.0001	1.3	0.003	< 0.001	< 0.001	< 0.005
WSF2	04-Feb-23	16	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	< 0.001	< 0.001	-	0.02	-	< 0.001	0.85	< 0.0001	0.044	0.002	< 0.001	-	< 0.005
WSF2	28-Apr-23	22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.002	< 0.001	-	< 0.01	-	< 0.001	0.032	< 0.0001	0.49	0.003	-	-	< 0.005
WSF3	11-Feb-19	-	-	-	-	-	-	-	0.006	0.001	-	-	-	-	0.9	-	0.49	<0.001	-	-	-
WSF3	02-Jun-19	19	-	<0.01	-	0.001	<0.0001	<0.001	0.002	<0.001	0.04	-	-	<0.001	3.3	<0.0001	0.076	0.001	<0.001	-	<0.005
WSF3	19-Sep-20	19	39	<0.01	-	<0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.22	<0.0001	0.15	<0.001	<0.001	-	0.005
WSF3	28-Nov-20	25	-	<0.01	-	0.001	<0.0001	<0.001	<0.001	<0.001	-	-	-	-	0.35	<0.0001	0.068	<0.001	<0.001	-	<0.005
WSF3	28-Feb-21	17	-	<0.01	-	<0.001	<0.0001	<0.001	0.028	0.003	-	-	-	-	0.32	<0.0001	2.6	0.002	<0.001	-	<0.005
WSF3	30-May-21	21	-	<0.01	-	<0.001	<0.0001	<0.001	0.008	0.002	-	-	-	-	0.45	<0.0001	0.79	0.001	<0.001	-	<0.005
WSF3	20-Aug-22	22	-	< 0.05	-	< 0.001	< 0.0001	< 0.001	0.003	< 0.001	-	< 0.01	-	< 0.001	1.1	< 0.0001	0.34	0.002	< 0.001	-	< 0.005
WSF3	09-Dec-22	16	-	< 0.05	< 0.001	< 0.001	< 0.0001	< 0.001	0.091	< 0.001	-	< 0.01	-	< 0.001	1.4	< 0.0001	13	0.006	< 0.001	< 0.001	0.024

Appendix G

Groundwater Level Trigger Assessment Data

Appendix G Groundwater Level Trigger Assessment

SMPB01			SMPB02			SMPB04			SMPB05		
SMWB21 Datum		311.12	SMWB38 Datum		308.58	SMWB15 Datum		327.11	SMWB34 Datum		318.28
Min Depth	3.00	308.12	Min Depth	3.50	305.08	Min Depth	4.50	322.61	Min Depth	3.00	315.28
Min Duration	2 Mths / 2 Yrs		Min Duration	2 Mths / 2 Yrs		Min Duration	2 Mths / 2 Yrs		Min Duration	1 Mth / 1 Yr	
Max Depth	8.00	303.12	Max Depth	9.00	299.58	Max Depth	15.00	312.11	Max Depth	8.50	309.78
Date	SMWB21 mbrp	SMWB21 mAHD	Date	SMWB38 mbrp	SMWB38 mAHD	Date	SMWB15 mbrp	SMWB15 mAHD	Date	SMWB34 mbrp	SMWB34 mAHD
Jul-18	4.64	306.48	Jul-18	5.01	303.57	Jul-18	9.83	317.28	Jul-18	3.08	315.20
Aug-18	4.74	306.38	Aug-18	5.92	302.66	Aug-18	10.05	317.06	Aug-18	3.17	315.11
Sep-18	5.00	306.12	Sep-18	6.50	302.08	Sep-18	10.87	316.24	Sep-18	3.37	314.91
Oct-18	5.21	305.91	Oct-18	6.81	301.77	Oct-18	11.76	315.35	Oct-18	3.48	314.80
Nov-18	6.24	304.88	Nov-18	7.89	300.69	Nov-18	12.47	314.64	Nov-18	4.04	314.24
Dec-18	6.20	304.92	Dec-18	6.73	301.85	Dec-18	12.35	314.76	Dec-18	3.99	314.29
Mar-19	4.88	306.24	Feb-19	5.47	303.11	Feb-19	10.61	316.50	Feb-19	3.47	314.81
May-19	5.18	305.94	Mar-19	5.87	302.71	Mar-19	10.74	316.37	Mar-19	3.56	314.72
Jul-19	5.50	305.62	Mar-19	5.92	302.66	Mar-19	11.72	315.39	Mar-19	3.68	314.60
Jul-19	5.50	305.62	Apr-19	7.13	301.45	Apr-19	12.89	314.22	Apr-19	5.76	312.52
Jul-19	5.82	305.30	May-19	6.26	302.32	May-19	12.88	314.23	May-19	6.38	311.90
Aug-19	7.62	303.50	Jun-19	7.95	300.63	Jun-19	13.69	313.42	Jun-19	7.19	311.09
Aug-19	7.03	304.09	Jul-19	8.38	300.20	Jul-19	14.30	312.81	Jul-19	7.90	310.38
Sep-19	6.22	304.90	Jul-19	8.61	299.97	Jul-19	14.92	312.19	Jul-19	8.26	310.02
Sep-19	8.12	303.00	Aug-19	8.76	299.82	Aug-19	14.92	312.19	Aug-19	8.41	309.87
Oct-19	6.92	304.20	Aug-19	8.63	299.95	Aug-19	14.87	312.24	Aug-19	8.33	309.95
Oct-19	7.50	303.62	Sep-19	9.05	299.53	Sep-19	15.16	311.95	Sep-19	8.50	309.78
Nov-19	8.46	302.66	Sep-19	8.85	299.73	Sep-19	14.98	312.13	Sep-19	8.38	309.90
Dec-19	6.39	304.73	Oct-19	9.22	299.36	Oct-19	14.57	312.54	Oct-19	8.85	309.43
Jan-20	5.16	305.96	Oct-19	9.22	299.36	Oct-19	15.80	311.31	Oct-19	8.60	309.68
Feb-20	4.44	306.68	Nov-19	9.22	299.36	Nov-19	16.12	310.99	Nov-19	7.72	310.56
Feb-20	2.80	308.32	Jan-20	6.40	302.18	Jan-20	17.11	310.00	Dec-19	9.69	308.59
Mar-20	4.19	306.93	Feb-20	5.28	303.30	Feb-20	15.89	311.22	Jan-20	6.21	312.07
Mar-20	4.27	306.85	Feb-20	4.72	303.86	Mar-20	12.83	314.28	Feb-20	5.57	312.71
Apr-20	4.53	306.59	Mar-20	5.14	303.44	Mar-20	12.37	314.74	Feb-20	4.52	313.76
May-20	4.88	306.24	Mar-20	4.77	303.81	Apr-20	11.85	315.26	Mar-20	4.12	314.16
Jun-20	5.17	305.95	Apr-20	5.32	303.26	May-20	11.96	315.15	Mar-20	4.71	313.57
Jun-20	5.17	305.95	May-20	5.57	303.01	Jun-20	12.17	314.94	Apr-20	4.50	313.78
Aug-20	4.86	306.26	Jun-20	6.03	302.55	Aug-20	12.82	314.29	May-20	4.60	313.68
Sep-20	6.06	305.06	Aug-20	6.81	301.77	Sep-20	13.15	313.96	Jun-20	4.45	313.83
Oct-20	6.29	304.83	Sep-20	6.79	301.79	Oct-20	13.54	313.57	Aug-20	4.86	313.42
Nov-20	6.15	304.97	Oct-20	7.01	301.57	Nov-20	13.88	313.23	Sep-20	5.20	313.08
Jan-21	4.95	306.17	Nov-20	7.51	301.07	Jan-21	13.02	314.09	Oct-20	5.37	312.91
Feb-21	2.74	308.38	Jan-21	5.26	303.32	Feb-21	9.53	317.58	Nov-20	5.41	312.87
Mar-21	3.02	308.1	Feb-21	3.62	304.96	Mar-21	8.22	318.89	Jan-21	3.84	314.44
Apr-21	3.5	307.62	Mar-21	3.64	304.94	Apr-21	8.36	318.75	Feb-21	2.90	315.38
May-21	3.94	307.18	Apr-21	4.03	304.55	May-21	8.84	318.27	Mar-21	2.89	315.39
Jun-21	4.39	306.73	May-21	4.39	304.19	Jun-21	9.38	317.73	Apr-21	3.06	315.22
Jul-21	4.71	306.41	Jun-21	4.74	303.84	Jul-21	9.84	317.27	May-21	3.09	315.19
Aug-21	5.06	306.06	Jul-21	5.00	303.58	Aug-21	10.34	316.77	Jun-21	3.15	315.13
Sep-21	5.33	305.79	Aug-21	5.31	303.27	Sep-21	10.77	316.34	Jul-21	3.75	314.53
Oct-21	5.75	305.37	Oct-21	6.13	302.45	Oct-21	12.04	315.07	Aug-21	3.64	314.64
Nov-21	5.72	305.4	Nov-21	5.92	302.66	Nov-21	12.57	314.54	Sep-21	3.88	314.40
Dec-21	5.61	305.51	Dec-21	5.96	302.62	Dec-21	14.06	313.05	Oct-21	5.69	312.59
Jan-22	4.98	306.14	Jan-22	5.24	303.34	Jan-22	14.32	312.79	Nov-21	5.76	312.52
Feb-22	2.26	308.86	Feb-22	3.32	305.26	Feb-22	10.04	317.07	Dec-21	7.36	310.92
Mar-22	3.02	308.10	Mar-22	3.70	304.88	Mar-22	7.53	319.58	Jan-22	8.33	309.95
Apr-22	3.49	307.63	Apr-22	4.03	304.55	Apr-22	7.53	319.58	Feb-22	3.43	314.85
May-22	3.8	307.32	May-22	4.26	304.32	May-22	7.75	319.36	Mar-22	3.38	314.90
May-22	4.28	306.84	May-22	4.63	303.95	May-22	8.87	318.24	Apr-22	3.55	314.73
Jun-22	4.58	306.54	Jun-22	4.82	303.76	Jun-22	9.57	317.54	May-22	3.77	314.51
Jul-22	4.9	306.22	Jul-22	5.03	303.55	Jul-22	10.30	316.81	May-22	4.47	313.81
Aug-22	5.13	305.99	Aug-22	5.75	302.83	Aug-22	11.24	315.87	Jun-22	5.95	312.33
Sep-22	5.52	305.6	Sep-22	5.77	302.81	Sep-22	12.49	314.62	Jul-22	6.78	311.50
Oct-22	5.66	305.46	Oct-22	6.97	301.61	Oct-22	13.20	313.91	Aug-22	7.84	310.44
Nov-22	5.79	305.33	Nov-22	7.39	301.19	Nov-22	13.75	313.36	Sep-22	6.53	311.75
Dec-22	4.05	307.07	Dec-22	5.79	302.79	Dec-22	12.93	314.18	Oct-22	6.73	311.55
Jan-23	2.6	308.52	Jan-23	4.45	304.13	Jan-23	8.72	318.39	Nov-22	6.79	311.49
Feb-23	2.29	308.83	Feb-23	3.51	305.07	Feb-23	6.61	320.50	Dec-22	5.08	313.20
Mar-23	1.67	309.45	Mar-23	2.75	305.83	Mar-23	4.28	322.83	Jan-23	3.13	315.15
Apr-23	2.35	308.77	Apr-23	3.14	305.44	Apr-23	4.18	322.93	Feb-23	2.54	315.74
May-23	2.43	308.69	May-23	3.49	305.09	May-23	4.48	322.63	Mar-23	2.10	316.18
Jun-23	2.86	308.26	Jun-23	4.25	304.33	Jun-23	5.00	322.11	Apr-23	2.21	316.07
Jun-23	2.99	308.13	Jun-23	4.40	304.18	Jun-23	5.20	321.91	May-23	2.32	315.96
Jul-23	5.01	306.58	Jul-23	4.43	303.59	Dec-23	5.47	319.54	Jun-23	2.41	315.87
Aug-23	4.19	307.4	Aug-23	9.78	298.24	Jan-24	5.43	319.58	Jun-23	2.48	315.8
Sep-23	4.04	307.55	Sep-23	3.71	304.31	Mar-24	2.50	322.51	Jul-23	5.55	311.44
Oct-23	4.21	307.38	Oct-23	3.91	304.11	Apr-24	2.00	323.01	Aug-23	19.66	297.33
Nov-23	4.3	307.29	Nov-23	8.76	299.26	May-24	1.74	323.27	Sep-23	3.64	313.35
Dec-23	4.33	307.26	Dec-23	11.86	296.16	Jun-24	2.51	322.50	Oct-23	2.47	314.52
Jan-24	4.22	307.37	Jan-24	10.74	297.28	Jul-24	4.52	321.71	Nov-23	2.30	314.69
Mar-24	2.97	308.62	Mar-24	8.66	299.36	Aug-24	5.41	320.82	Dec-23	2.37	314.62
Apr-24	3	308.59	Apr-24	8.74	299.28	Sep-24	5.87	320.36	Jan-24	3.61	313.38
May-24	3.17	308.42	May-24	8.89	299.13	Oct-24	6.06	320.17	Mar-24	1.11	315.88
Jun-24	2.53	309.06	Jun-24	11.53	296.49	Nov-24	6.07	320.16	Apr-24	1.22	315.77
Jul-24	2.92	308.2	Jul-24	4.59	303.99	Dec-24	6.13	320.10	May-24	1.41	315.58
Aug-24	3.3	307.82	Aug-24	4.68	303.90	Jan-25	6.09	320.14	Jun-24	1.67	315.32
Sep-24	3.33	307.79	Sep-24	4.74	303.84	Feb-25	4.71	321.52	Jul-24	2.33	315.95
Oct-24	3.37	307.75	Oct-24	4.10	304.48	Mar-25	5.03	321.20	Aug-24	2.54	315.74
Nov-24	3.32	307.8	Nov-24	4.26	304.32	Apr-25	5.48	320.75	Sep-24	2.57	315.71
Dec-24	3.28	307.84	Dec-24	4.59	303.99	May-25	6.00	320.23	Oct-24	2.59	315.69
Jan-25	3.26	307.86	Jan-25	4.71	303.87	Jun-25	6.50	319.73	Nov-24	2.54	315.74
Feb-25	2.53	308.59	Feb-25	4.17	304.41				Dec-24	2.51	315.77
Mar-25	2.48	308.64	Mar-25	4.22	304.36				Jan-25	2.5	315.78
Apr-25	3.07	308.05	Apr-25	4.58	304.00				Feb-25	2.27	316.01
May-25	3.32	307.8	May-25	4.88	303.70				Mar-25	2.26	316.02
Jun-25	3.28	307.84	Jun-25	3.90	304.68				Apr-25	2.47	315.81
									May-25	2.6	315.68
									Jun-25	2.58	315.7

Appendix G Groundwater Level Trigger Assessment

SMPB06		
SMWB35 Datum		320.51
Min Depth	3.00	308.12
Min Duration	2 Mths / 2 Yrs	
Max Depth	11.00	300.12
Date	SMWB35	SMWB35
Jul-18	4.20	306.92
Aug-18	4.34	306.78
Sep-18	4.54	306.58
Oct-18	4.80	306.32
Nov-18	5.31	305.81
Dec-18	5.27	305.85
Feb-19	4.28	306.84
Mar-19	4.40	306.72
Mar-19	4.59	306.53
Apr-19	10.30	300.82
May-19	10.38	300.74
Jun-19	11.87	299.25
Jul-19	11.90	299.22
Jul-19	11.90	299.22
Jul-19	11.05	300.07
Aug-19	10.22	300.90
Aug-19	10.75	300.37
Sep-19	10.15	300.97
Sep-19	10.02	301.10
Oct-19	11.91	299.21
Oct-19	11.61	299.51
Nov-19	10.98	300.14
Dec-19	11.93	299.19
Jan-20	11.21	299.91
Feb-20	10.08	301.04
Feb-20	6.17	304.95
Mar-20	5.32	305.80
Mar-20	6.45	304.67
Apr-20	6.35	304.77
May-20	6.31	304.81
Jun-20	5.88	305.24
Aug-20	6.18	314.33
Sep-20	6.44	314.07
Oct-20	6.63	313.88
Nov-20	7.04	313.47
Jan-21	5.22	315.29
Feb-21	3.49	317.02
Mar-21	3.47	317.04
Apr-21	3.74	316.77
May-21	3.87	316.64
Jun-21	4.2	316.31
Jul-21	4.4	306.72
Aug-21	4.65	306.47
Sep-21	4.91	306.21
Oct-21	10.24	310.27
Nov-21	9.68	301.44
Dec-21	11.93	299.19
Jan-22	10.83	300.29
Feb-22	4.35	306.77
Mar-22	3.95	307.17
Apr-22	4.17	306.95
May-22	4.38	306.74
May-22	7.35	303.77
Jun-22	9.93	301.19
Jul-22	9.40	311.11
Aug-22	11.33	309.18
Sep-22	11.94	308.57
Oct-22	11.25	309.26
Nov-22	10.61	309.9
Dec-22	6.74	313.77
Jan-23	3.50	Nov-00
Feb-23	2.87	317.64
Mar-23	2.57	317.94
Apr-23	4.11	Nov-00
May-23	2.78	317.73
Jun-23	3.35	317.16
Jun-23	3.43	317.08
Jul-23	4.69	315.03
Aug-23	3.27	316.45
Sep-23	2.77	316.95
Oct-23	2.89	316.83
Nov-23	2.7	317.02
Dec-23	2.80	316.92
Jan-24	2.62	317.10
Mar-24	1.57	318.15
Apr-24	1.73	317.99
May-24	1.92	317.8
Jun-24	2.09	317.63
Jul-24	2.89	317.62
Aug-24	3.07	317.44
Sep-24	3.11	317.40
Oct-24	3.15	317.36
Nov-24	3.07	317.44
Dec-24	3.12	317.39
Jan-25	3.02	317.49
Feb-25	2.76	317.75
Mar-25	2.75	317.76
Apr-25	2.99	317.52
May-25	3.16	317.35
Jun-25	3.16	317.35

SMPB07		
SMWB26 Datum		321.80
Min Depth	4.50	317.30
Min Duration	2 Mths / 2 Yrs	
Max Depth	13.50	306.30
Date	SMWB26	SMWB26
Jul-18	5.25	305.87
Aug-18	5.56	305.56
Sep-18	5.77	305.35
Oct-18	5.88	305.24
Nov-18	6.68	304.44
Dec-18	6.54	304.58
Feb-19	5.27	305.85
Mar-19	5.66	305.46
Mar-19	5.89	305.23
Apr-19	11.90	299.22
May-19	10.30	300.82
Jun-19	13.33	297.79
Jul-19	7.16	303.96
Jul-19	13.42	297.70
Aug-19	12.86	298.26
Aug-19	13.09	298.03
Sep-19	12.93	298.19
Sep-19	12.61	298.51
Oct-19	14.71	296.41
Oct-19	14.25	296.87
Nov-19	13.89	297.23
Dec-19	14.14	296.98
Jan-20	13.73	297.39
Feb-20	10.21	300.91
Feb-20	7.19	303.93
Mar-20	6.36	304.76
Mar-20	7.97	303.15
Apr-20	7.11	304.01
May-20	7.31	303.81
Jun-20	6.95	304.17
Aug-20	7.29	314.51
Sep-20	7.54	314.26
Oct-20	7.73	314.07
Nov-20	8.14	313.66
Jan-21	6.35	315.45
Feb-21	4.44	317.36
Mar-21	4.37	317.43
Apr-21	4.66	317.14
May-21	4.94	316.86
Jun-21	5.22	316.58
Jul-21	5.45	316.35
Aug-21	5.7	316.1
Sep-21	5.98	315.82
Oct-21	5.75	316.05
Nov-21	12.06	309.74
Dec-21	13.2	308.6
Jan-22	12.97	308.83
Feb-22	6.14	315.66
Mar-22	5.58	316.22
Apr-22	5.85	315.95
May-22	6.11	315.69
May-22	8.64	313.16
Jun-22	10.87	310.93
Jul-22	10.52	311.28
Aug-22	12.14	309.66
Sep-22	13.13	308.67
Oct-22	12.5	309.3
Nov-22	13.59	308.21
Dec-22	8.87	312.93
Jan-23	4.34	317.46
Feb-23	3.64	318.16
Mar-23	4.01	317.79
Apr-23	5.28	316.52
May-23	3.98	317.82
Jun-23	4.84	316.96
Jun-23	4.92	316.88
Jul-23	5.89	315.15
Aug-23	4.41	316.63
Sep-23	4.52	316.52
Oct-23	4.87	316.17
Nov-23	4.29	316.75
Dec-23	4.78	316.26
Jan-24	4.62	316.42
Mar-24	3.30	317.74
Apr-24	3.53	317.51
May-24	3.70	317.34
Jun-24	3.88	317.16
Jul-24	3.74	318.06
Aug-24	3.92	317.88
Sep-24	3.96	317.84
Oct-24	3.99	317.81
Nov-24	3.94	317.86
Dec-24	3.92	317.88
Jan-25	3.89	317.91
Feb-25	3.60	318.20
Mar-25	3.52	318.28
Apr-25	3.85	317.95
May-25	4.03	317.77
Jun-25	3.02	318.78

SMPB09		
SMWB23 Datum		329.53
Min Depth	1.50	328.03
Min Duration	1 Mth / 1 Yr	
Max Depth	7.00	322.53
Date	SMWB23	SMWB23
Jul-18	4.22	325.31
Aug-18	4.41	325.12
Sep-18	4.81	324.72
Oct-18	5.10	324.43
Nov-18	5.43	324.10
Dec-18	4.58	324.95
Oct-19	6.32	323.21
Dec-19	6.77	322.76
Jan-20	5.32	324.21
Feb-20	2.91	326.62
Mar-20	3.70	325.83
Aug-20	6.20	323.33
Sep-20	6.53	323.00
Nov-20	7.03	322.50
Feb-21	2.10	327.43
May-21	2.74	326.79
Aug-21	4.34	325.19
Feb-22	0.92	328.61
May-22	1.46	328.07
Aug-22	2.67	326.86
Nov-22	4.08	325.45
Feb-23	0.35	329.18
May-23	0.49	329.04
Jul-23	0.93	328.61
Oct-23	1.24	328.30
May-24	0.49	329.05
Aug-24	1.24	328.29
Feb-25	0.62	328.91
May-25	1.30	328.23

SMPB10		
SMWB40 Datum		310.21
Min Depth	3.00	307.21
Min Duration	2 Mths / 2 Yrs	
Max Depth	7.00	303.21
Date	SMWB40	SMWB40
Jul-18	5.36	304.85
Aug-18	5.43	304.78
Sep-18	5.50	304.71
Oct-18	5.63	304.58
Nov-18	5.89	304.32
Dec-18	6.18	304.03
Feb-19	4.45	305.76
Mar-19	5.58	304.63
Mar-19	6.06	304.15
Apr-19	7.24	302.97
May-19	7.53	302.68
Jun-19	6.37	303.84
Jul-19	8.20	302.01
Jul-19	6.94	303.27
Aug-19	6.91	303.30
Aug-19	7.05	303.16
Sep-19	7.36	302.85
Sep-19	8.35	301.86
Oct-19	9.21	301.00
Oct-19	9.22	300.99
Nov-19	7.98	302.23
Dec-19	8.18	302.03
Jan-20	6.38	303.83
Feb-20	4.50	305.71
Feb-20	4.29	305.92
Mar-20	4.18	306.03
Mar-20	4.40	305.81
Apr-20	4.74	305.47
May-20	5.24	304.97
Jun-20	5.67	304.54
Aug-20	7.36	302.85
Sep-20	6.77	303.44
Oct-20	7.03	303.18
Nov-20	7.32	302.89
Jan-21	5.13	305.08
Feb-21	3.04	307.17
Mar-21	3.23	306.98
Apr-21	3.67	306.54
May-21	4.11	306.10
Jun-21	4.56	305.65
Jul-21	4.91	305.3
Aug-21	5.28	304.93
Sep-21	5.7	304.51
Oct-21	6.18	304.03
Nov-21	6.11	304.1
Dec-21	5.95	304.26
Jan-22	5.2	305.01
Feb-22	2.6	307.61
Mar-22	3.19	307.02
Apr-22	3.61	306.6
May-22	3.91	306.3
May-22	4.4	305.81
Jun-22	4.68	305.53
Jul-22	4.99	305.22
Aug-22	5.32	304.89
Sep-22	5.79	304.42
Oct-22	5.95	304.26
Nov-22	6.07	304.14
Dec-22	4.26	305.95
Jan-23	2.88	307.33
Feb-23	2.51	307.70
Mar-23	2.03	308.18
Apr-23	2.52	307.69
May-23	2.61	307.60
Jun-23	2.95	307.26
Jun-23	3.07	307.14
Nov-23	2.67	306.40
Dec-23	7.76	301.31
Jan-24	7.47	301.60
Mar-24	1.75	307.32
Apr-24	1.53	307.54
May-24	1.66	307.41
Jun-24	1.86	307.21
Jul-24	3.02	307.19
Aug-24	3.39	306.82
Sep-24	3.42	306.79
Oct-24	3.45	306.76
Nov-24	3.41	306.8
Dec-24	3.39	306.82
Jan-25	3.37	306.84
Feb-25	2.80	307.41
Mar-25	2.72	307.49
Apr-25	3.23	306.98
May-25	-	-
Jun-25	3.29	306.92

Legend
Abstraction occuring
Abstraction not occuring
Minimum level reached
Maximum level reached

Appendix H

Monitoring Compliance

Appendix H. Savannah Nickel Mine Abstraction Volume Monitoring Compliance Summary

Monitoring location	Type	Abs frequency	Is metered?	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Frequency met (Y/N)	Comments
SMPB01	Production	Monthly	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated 2023-24
SMPB02	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB03	Production	Daily	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB04	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB05	Production	Monthly	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated from Feb 2024
SMPB06	Production	Monthly	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated from Feb 2024
SMPB07	Production	Monthly	Y	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated from Feb 2024. Single reading in October 2024
SMPB08	Production	Quarterly (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated 2023-25
SMPB09	Production	Quarterly (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated 2023-25
SMPB10	Production	Monthly	Y	N/A	Y	Y	Y	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated from Jan 24
SMPB11	Production	Quarterly (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated 2023-25
SMPB12	Production	Daily	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated from Dec 23
PARP	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
RWP	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	None Provided
PWD	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
WFS1	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
WFS2	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
WFS3	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Pit	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Underground	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
TSF	Pipeline/meter	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

N/A	Not applicable
Y	Yes
N	No

Appendix H. Savannah Nickel Mine Groundwater Level Monitoring Compliance Summary

Monitoring location	Type	SWL frequency	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Frequency met (Y/N)	Comment
SMPB01	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB02	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	No data Jun 24
SMPB03	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB04	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB05	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB06	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB07	Production	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMPB08	Production	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMPB09	Production	Annually (end of dry)	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMPB10	Production	Monthly	Y	Y	Y	Y	Y	N	Y	N	Y	Y	N	N	N	No data Dec 24 and Feb, May Jun 25. Dip hole blocked.
SMPB11	Production	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMPB12	Production	Monthly	N	N	N	N	N	N	N	N	N	N	N	N	N	No Data, under water during the year.
SMWB10	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMWB12	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMWB15	Monitoring	Monthly (and quarterly)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB16	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	No data Jun 24
SMWB17	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMWB18	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB19	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMWB20	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB21	Monitoring	Quarterly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB22	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB23	Monitoring	Annually (end of dry)	N/A	Y	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	
SMWB25	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMWB26	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB27	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB28	Monitoring	Annually (end of dry)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	Bore covered/destroyed
SMWB29	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Not operated 2023-25
SMWB30	Monitoring	Quarterly	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMWB31	Monitoring	Monthly	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Destroyed by Fire on 13/07/2018
SMWB34	Monitoring	Annually (end of dry)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB35	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB36	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB37	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB38	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMWB39	Monitoring	Quarterly	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMWB40	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMML Camp	Monitoring	Annually (end of dry)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	No Data, bore not located during monitoring.
Anglo Camp	Monitoring	Annually (end of dry)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	No Data, bore not located during monitoring.
WSFMB01	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
WSFMB02	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
TSFMB01	Monitoring	Monthly	N	N	N	N	N	N	N	N	N	N	N	N	N	No Data, under water during the year.
SMMB01	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB02	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB03	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB05	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB06	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB07	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB08	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB09	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB10	Monitoring	Quarterly	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMMB12	Monitoring	Quarterly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Appendix H. Savannah Nickel Mine Groundwater Level Monitoring Compliance Summary

Monitoring location	Type	SWL frequency	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Frequency met (Y/N)	Comment
SMMB13	Monitoring	Annually (end of dry)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB14	Monitoring	Annually (end of dry)	N/A	Y	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	
SMMB15	Monitoring	Quarterly	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMMB16	Monitoring	Monthly (and quarterly)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB17	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB18	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB19	Monitoring		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	No longer on the schedule
SMMB20	Monitoring	Monthly	N	Y	Y	N	N	N	N	N	N	Y	N	N	N	Only data from Aug/Sep 24 and Apr 25. Damaged and blocked.
SMMB21	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB22	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB23	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB26	Monitoring	Monthly	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Bore destroyed in 2022 during the TSF works
SMMB27	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB28	Monitoring	Monthly (and quarterly)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB29	Monitoring	Monthly (and quarterly)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB30D	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB31	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB32	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB33	Monitoring	Monthly	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB34	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB36	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB37	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB38	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB39	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB41	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB42	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB43	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB44	Monitoring	Quarterly	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMMB45	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB46	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB47	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB48	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	No data March 25
SMMB49Sa	Monitoring		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated 2023-24
SMMB51	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB52	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB53	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB54	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB55	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB56	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB57	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB58	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB59	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB60	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
SMMB61D	Monitoring	Quarterly	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMMB61S	Monitoring	Quarterly	N/A	Y	N/A	N/A	N	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	No data Nov 24
SMMB62	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB63	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB64	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SMMB65	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Limestone Bore	Monitoring	Annually (end of dry)	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	
PARPMB01	Monitoring	Monthly	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

N/A	Not applicable
Y	Yes
N	No

Appendix H. Savannah Nickel Mine Water Quality Monitoring Compliance Summary

	Type	WQ sampling frequency	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Frequency met (Y/N)	Comment
SMPB01	Production	Annually (May)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operational
SMPB02	Production	Annually (May)	Y	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	Y	
SMPB03	Production	Quarterly (Feb, May, Aug, Nov)	Y	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	Y	
SMPB04	Production	Annually (May)	Y	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	Y	
SMPB05	Production	Annually (May)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	Y	
SMPB06	Production	Annually (May)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	Y	
SMPB07	Production	Annually (May)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	Y	
SMPB08	Production	Anually (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operational
SMPB09	Production	Anually (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operational
SMPB10	Production	Annually (May)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	N/A	Y	Not operated
SMPB11	Production	Anually (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not operated
SMPB12	Production	Quarterly	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not opreated - under water during the year.
WSFMB01	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
WSFMB02	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
TSFMB01	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	N	N/A	N/A	N	N/A	N/A	N	N	No Data, under water during the year.
SMMB01	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB02	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB03	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB07	Monitoring	Quarterly (Feb, May, Aug, Nov)	Y	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	Y	
SMMB08	Monitoring	Quarterly (Feb, May, Aug, Nov)	Y	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	Y	
SMMB13	Monitoring	Not required	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	Sampling not required
SMMB16	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
SMMB17	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB20	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	N	N/A	N/A	N	N/A	N/A	N	N	No data, damaged and blocked.
SMMB27	Monitoring	Quarterly (Feb, May, Aug, Nov)	Y	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	Y	
SMMB28	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB28	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB29	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB30D	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB31	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB32	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
SMMB33	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
SMMB42	Monitoring	Quarterly (Feb, May, Aug, Nov)	Y	N/A	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	Y	
SMMB43	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
SMMB45	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
SMMB48	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
PARPMB01	Monitoring	Quarterly (Feb, May, Aug, Nov)	N/A	N	N/A	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N	Samping equipment not serviceable in Aug 2024.
FCSCP1	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
MC	Surface water	Quarterly (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A	Y	
MCC(Hwy)	Surface water	Quarterly (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y	Y	N/A	N/A	Y	
JOS(FC)	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
WSF1	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
WSF2	Surface water	Quarterly (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
WSF3	Surface water	Quarterly (opportunistic)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
WSF1 seepage	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
TSF decant	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
FCNCP	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
RC	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
FCSCP2	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
ST-US	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	
STDS	Surface water	Quarterly (opportunistic)	N/A	N/A	Y	N/A	N/A	Y	N/A	N/A	Y	N/A	Y	N/A	Y	

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