



Appendix H

Charbon Colliery - Water resources assessment

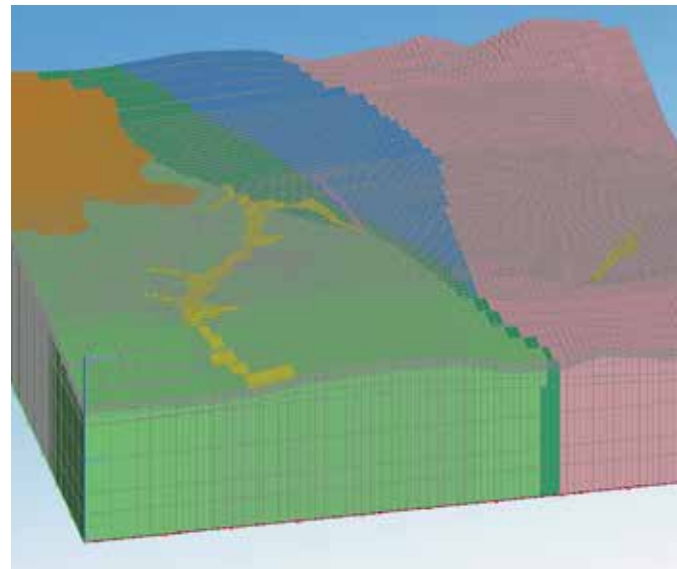
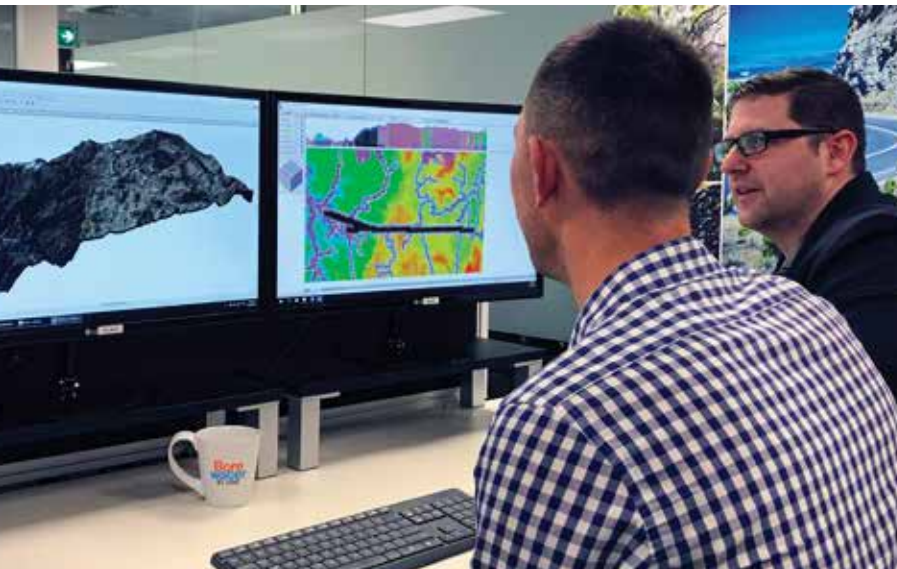




Charbon Colliery - Modification 2

Water resources assessment

Prepared for Charbon Coal Pty Limited
September 2020





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Charbon Colliery - Modification 2

Water resources assessment

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Final

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Executive Summary

Charbon Colliery (Charbon) is an underground and open cut coal mine owned and operated by Charbon Coal Pty Limited (Charbon Coal), a joint venture between Centennial Coal Company Limited (Centennial) and SK Networks Resources Australia Pty Ltd. Charbon has been in operation since the 1920s.

In 2015, mining operations ceased following the depletion of Charbon's approved coal reserves. Since the cessation of mining, Charbon Coal has been progressively rehabilitating the site. Charbon Coal undertakes rehabilitation and mine closure activities at the site pursuant to SSD 08_0211.

It is proposed to use coarse coal reject (CCR) material from Centennial's Clarence Colliery (Clarence) to enhance rehabilitation at Charbon. As nominated in Charbon's *Mining Operations Plan* (MOP), Charbon Coal proposes to import CCR from Clarence by train to backfill historical mining areas requiring rehabilitation. The transfer of CCR from Clarence to Charbon will assist Charbon Coal to better develop a final landform that is representative of existing landforms within and adjacent to site.

Charbon Coal is seeking to modify SSD 08_0211 to allow for the transfer of CCR from Clarence to Charbon and the use of this material on-site during rehabilitation activities. If approved, the proposed modification will authorise:

- the importation of CCR from Clarence to Charbon by rail;
- use of CCR for ongoing rehabilitation at Charbon; and
- an extension of the time permitted to undertake water transfers between Charbon and Airly Mine.

This water resources assessment has considered the potential impact of Clarence CCR emplacement on the local groundwater and surface water environment and receptors at Charbon. Analytical groundwater methods have been used to determine potential impacts to the regional groundwater system (including the time taken for, and concentration of, metals/metalloids to reach receptors).

The large groundwater transport times modelled and the small percentage concentrations of solute reaching neighbouring receptors suggest that the risk of metal/metalloids and other contaminants being transported to, and discharged at, groundwater receptors as a result of the proposed modification is low. The beneficial use of groundwater at receptors close to Charbon is therefore not expected to decrease as a result of the proposed modification.

Impacts to the surface water environment are only expected to occur if there is a significant change in the hydrological properties and characteristics of Clarence CCR material compared to existing material available on-site at Charbon. It is assumed that the emplacement and rehabilitation process and final landform design will remain unchanged from that which is approved under SSD 08_0211 and the MOP.

The areas proposed to receive Clarence CCR will be 'water shedding' as they are all hillside rehabilitation landforms. A 3-metre-thick multi-layer moderate hydraulic conductivity cover will be developed on the sloping landforms with store-and-release characteristics. This will allow plant establishment and growth, while minimising deep drainage (potential acid metalliferous drainage [AMD]) and mitigating upward migration of soluble salts.

To reduce potential for contamination to occur as a result of the importation of Clarence CCR, the material will be sampled prior to being used at Charbon and buffering material will be added (as required).

Groundwater and surface water monitoring and management will include:

- actively monitoring groundwater quality at existing monitoring bores (PB2 and PB3), as well as three additional monitoring bores to detect changes to groundwater quality during ongoing rehabilitation activities; and
- ongoing monitoring and management of surface water consistent with the water management plan (WMP) (including inspections of existing water management structures and sediment control structures for capacity, structural integrity and effectiveness).

By implementing the proposed management measures, the residual impacts of the proposed modification on the groundwater and surface water environment have been assessed to be low risk.

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1 Introduction

1.1 Overview

Charbon Colliery (Charbon) is an underground and open cut coal mine owned and operated by Charbon Coal Pty Limited (Charbon Coal), a joint venture between Centennial Coal Company Limited (Centennial) and SK Networks Resources Australia Pty Ltd. Charbon is approximately 87 kilometres (km) north-west of Lithgow and 3 km south of Kandos in the Western Coalfields of New South Wales (NSW) within the Mid-Western Regional local government area (LGA) (Figure 1.1). The project site boundary shown on Figure 1.1 covers an area of 2,692 hectares (ha) (the site) and comprises historical underground workings and open cut areas.

Charbon was approved as a Major Project under the now repealed Section 75J Part 3A of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act) on 7 September 2010 (PA 08_0211). PA 08_0211 has since been declared a State significant development (SSD) under Clause 6 of Schedule 2 of NSW Environmental Planning and Assessment (Savings, Transitional and Other Provisions) Regulation 2017 (SSD 08_0211).

Charbon has been in operation since the 1920s and has been owned and operated by Charbon Coal since 1994. In 2015, mining operations ceased following the depletion of Charbon's approved coal reserves. Since the cessation of mining, Charbon Coal has been progressively rehabilitating the site.

Charbon Coal undertakes rehabilitation and mine closure activities at the site pursuant to SSD 08_0211. While mining is permitted to continue until 31 August 2025, only rehabilitation and mine closure activities are currently being undertaken and these activities are approved to continue beyond 31 August 2025. In addition to rehabilitation activities, water is currently transferred from Charbon's existing surface water dams via rail to Centennial Airly Pty Limited's (Centennial Airly's) Airly Mine (Figure 1.1) in accordance with the relevant conditions of SSD 08_0211 and Airly's development consent (SSD-5581). Under SSD-5581, this activity is approved until 31 January 2037.

It is proposed to use coarse coal reject (CCR) material from Centennial's Clarence Colliery (Clarence) to enhance rehabilitation at Charbon. Clarence is an underground coal mining operation utilising bord and pillar mining and partial extraction techniques. It is situated in the Western Coalfields of NSW, approximately 10 km east of Lithgow in the Lithgow LGA (Figure 1.1). Clarence operates under DA 504-00 which was granted in 2005 by the NSW Department of Infrastructure, Planning and Natural Resources (now NSW Department of Planning, Industry and Environment (DPIE)). Clarence is managed by Centennial.

As nominated in Charbon's *Mining Operations Plan* (MOP), Charbon Coal proposes to import CCR from Clarence by train to backfill historical mining areas requiring rehabilitation. When compared with overburden material available on-site at Charbon, CCR from Clarence is more suitable for fill and landform construction due to its physical properties. The combined use of on-site overburden and CCR will help Charbon Coal develop a final landform that is representative of existing landforms within and adjacent to the site.

Charbon Coal is seeking to modify SSD 08_0211, pursuant to Section 4.55(2) of the EP&A Act, to allow for the transfer of CCR from Clarence to Charbon and the use of this material on-site during rehabilitation activities. If approved, the proposed modification will authorise:

- the importation of CCR from Clarence to Charbon by rail;
- use of CCR for ongoing rehabilitation at Charbon; and
- an extension of the time permitted to undertake water transfers between Charbon and Airly Mine.

At the same time Charbon Coal is seeking to modify SSD 08_0211, Centennial will submit a modification application for DA 504-00 to allow for the exportation of CCR from Clarence to Charbon by rail.

1.2 Proposed modification

Charbon Coal is seeking to modify SSD 08_0211, pursuant to Section 4.55(2) of the EP&A Act, to allow for the transfer of CCR from Clarence to Charbon and the use of this material on-site during rehabilitation activities. The transfer of CCR from Clarence to Charbon will help Charbon Coal develop a final landform that is representative of existing landforms within and adjacent to the site. The proposed modification includes:

- Construction of a 3,000 square metre (m²) hardstand pad adjacent to Charbon's existing rail loop (Figure 1.2). During unloading activities, a forklift and other machinery will be operated on this hardstand. Containers used to transport CCR to Charbon may also be stored on this hardstand. Some minor vegetation clearance is required to construct the proposed hardstand.
- Construction of a link road to facilitate vehicle movements between the proposed hardstand and Charbon's existing haul roads (Figure 1.2). The link road will be constructed within the existing disturbance footprint for Charbon's reject emplacement area (REA) complex.
- Widening of Charbon's existing haul roads in some areas to ensure a minimum width of 8.8 m is maintained. Widening activities will remain within Charbon's existing approved disturbance footprint.
- Importation of CCR from Clarence to Charbon by rail (one loaded train per day). The CCR will be transported in enclosed containers.
- Unloading of CCR containers at Charbon's existing rail loop using a forklift truck. Containers will either be moved directly onto waiting trucks for transfer to the active rehabilitation areas or placed on the proposed hardstand for temporary storage. A fleet of three or four trucks will be used to transport the containers from the proposed hardstand to the active rehabilitation areas.
- Use of CCR for ongoing rehabilitation at Charbon (including establishment of management measures to mitigate the risk of acid metalliferous drainage (AMD) and potential impacts on the surrounding environment).
- Construction of powerline poles and an additional 11 kV transmission line for Charbon's existing pump shed.
- An extension to the approved water transfer activities from Charbon to Airly Mine from 31 August 2025 to 31 January 2037 to align with Airly Mine's Development Consent (SSD-5581).

For the purposes of this assessment, it is assumed that CCR will be used during rehabilitation at 8 Trunk Open Cut, Western Open Cut and Central Open Cut Box Cut (Figure 1.2).

1.2.1 Construction activities

As described above, as part of the proposed modification, the following construction activities will be undertaken:

- construction of a 3,000 m² hardstand pad adjacent to Charbon's existing rail loop;
- construction of a link road to facilitate vehicle movements between the proposed hardstand and Charbon's existing haul roads;

- widening of Charbon's existing haul roads in some areas to ensure a minimum width of 8.8 m is maintained; and
- construction of powerline poles and an additional 11 kV transmission line for Charbon's existing pump shed.

The majority of plant, materials and equipment required to complete these activities is available on-site. Additional materials may be delivered to site via the local road network.

The proposed areas for the additional construction activities have been extensively disturbed as part of previous mining activities on-site (including construction of surface water dams, water loading infrastructure and Charbon's rail loader).

The 11-kV transmission line will replace an existing powerline that provides electricity to the pump station and will be rerouted away from the proposed hardstand pad.

All construction activities will be undertaken during standard daytime construction hours in accordance with the *Interim Construction Noise Guideline* (ICNG) (DECC 2009).

1.2.2 Proposed rail movements

Charbon's existing rail loop is connected to the Wallerawang-Gwabegar Rail Line, which is not operated to a fixed timetable. During mining, an average of eight coal trains (ie sixteen train movements) per week were dispatched from Charbon on the Wallerawang-Gwabegar Rail Line. Charbon is currently approved to operate eight train movements in the day period (7 am–10 pm) and two train movements in the night period (10 pm–7 am).

Since the completion of mining, rail transport has been used infrequently for importation of materials to Charbon's pit top for rehabilitation activities. In addition, one water-laden train per day (ie two rail movements) is permitted to travel from Charbon to Airly Mine.

As part of the proposed modification, one CCR-laden train will be used per day (ie two rail movements) to transport CCR from Clarence to Charbon. It is anticipated that trains will consist of 2 locomotives and approximately 30 wagons. Each train will carry 2 containers per wagon, providing a total of 60 containers per train. Containers are able to hold 25 tonnes (t) of CCR. Therefore, each train will have the ability to transport up to approximately 1,500 t of CCR.

Over a period of five years, it is anticipated that up to 1.5 million tonnes (Mt) of CCR will be transported from Clarence to Charbon with an average annual transfer of between 300,000 t and 350,000 t.

1.2.3 Material handling

On arrival at Charbon, containers with CCR will be unloaded and transported by truck to the areas being rehabilitated for use during the construction of the final landform. Mobile plant will be required at Charbon's pit top to enable the unloading of containers. The proposed hardstand will facilitate the unloading and storage of containers.

A grader and water truck will be used to maintain the haul roads used to transport CCR from the proposed hardstand and ROM coal stockpile area to the rehabilitation areas.

1.2.4 Water transfers to Airly Mine

It is proposed to continue to operate pumping infrastructure to load trains with water at Charbon. Charbon Coal will continue to transport up to 170 megalitres per year (ML/year) to Airly Mine by rail, in accordance with a recent modification to SSD 08_0211.

1.3 Objectives and scope

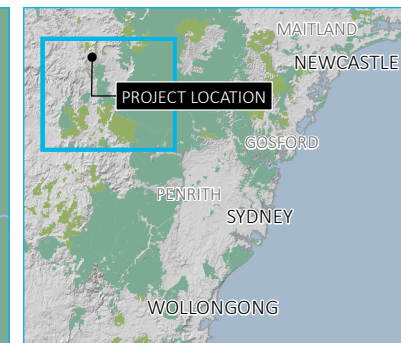
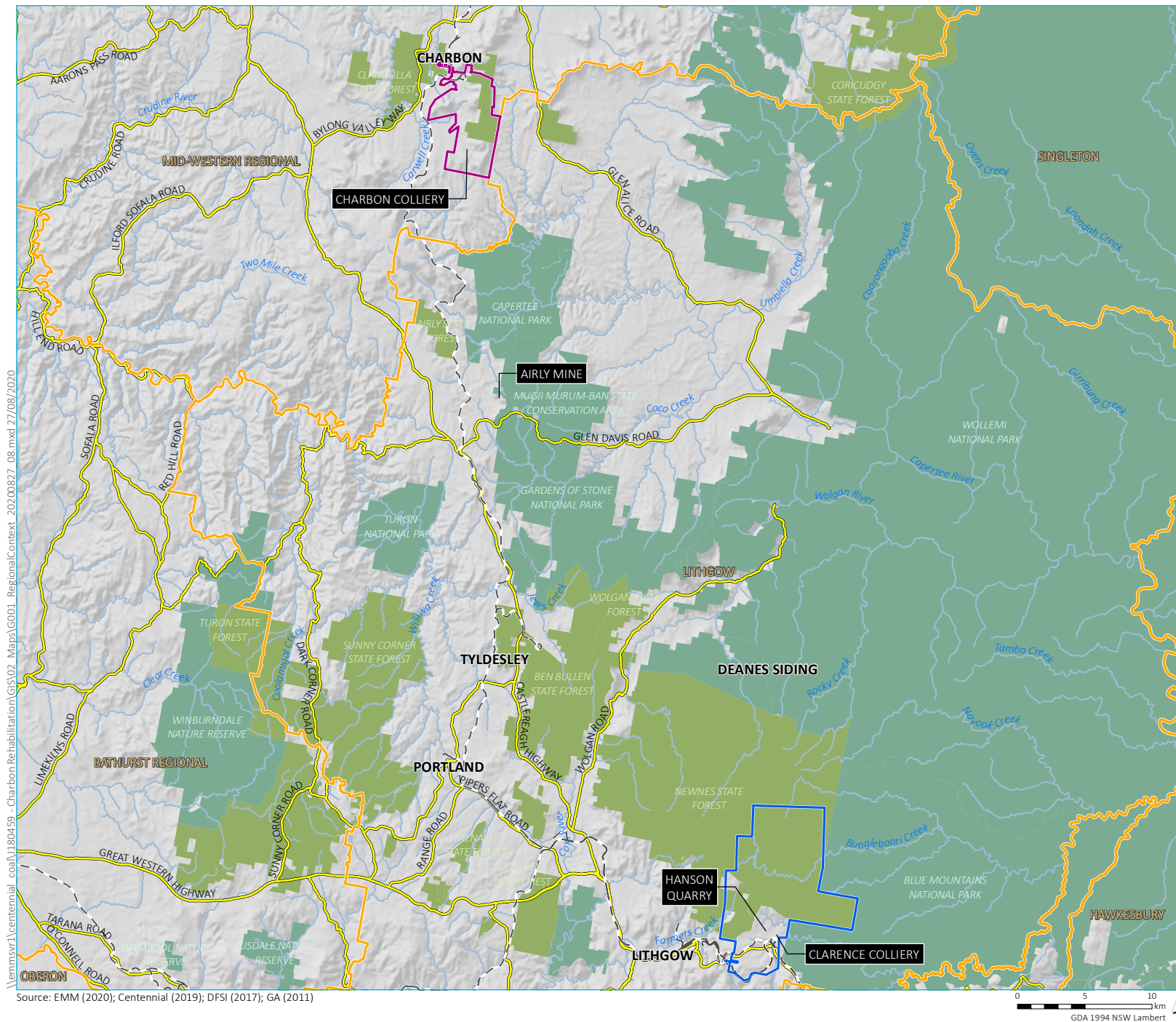
This water assessment has been prepared to accompany the modification report and assesses the groundwater and surface water impacts of the proposed modification.

The objectives of this water assessment are to:

- assess the potential impact of CCR emplacement on the local groundwater and surface water environment and/or receptors at Charbon; and
- identify management measures to mitigate the potential impacts of CCR emplacement on the local groundwater and surface water environment and/or receptors at Charbon.

This report will be appended to the modification report and:

- reviews relevant local and regional groundwater and surface water data (Section 2.3 and Section 2.4);
- develops a hydrogeological and hydraulic conceptual model (Section 2.3.7);
- reviews available geochemical data for Clarence CCR, classifies the waste and assesses the anticipated metal and metalloid mobilities (Section 2.5);
- completes a water risk assessment, assessing possible impacts against applicable assessment criteria and known constraints (Chapter 3);
- identifies potential pathways and assesses the sensitive receptors and environmental values downgradient of the proposed CCR emplacement areas to investigate whether there are pathways between these emplacement areas and identified receptors (Chapter 4);
- recommends management measures (including groundwater and surface water quality indicators or triggers and a trigger action response plan [TARP]) (Chapter 5); and
- describes the residual risks to the groundwater and surface water environments as a result of the proposed modification (Chapter 6).

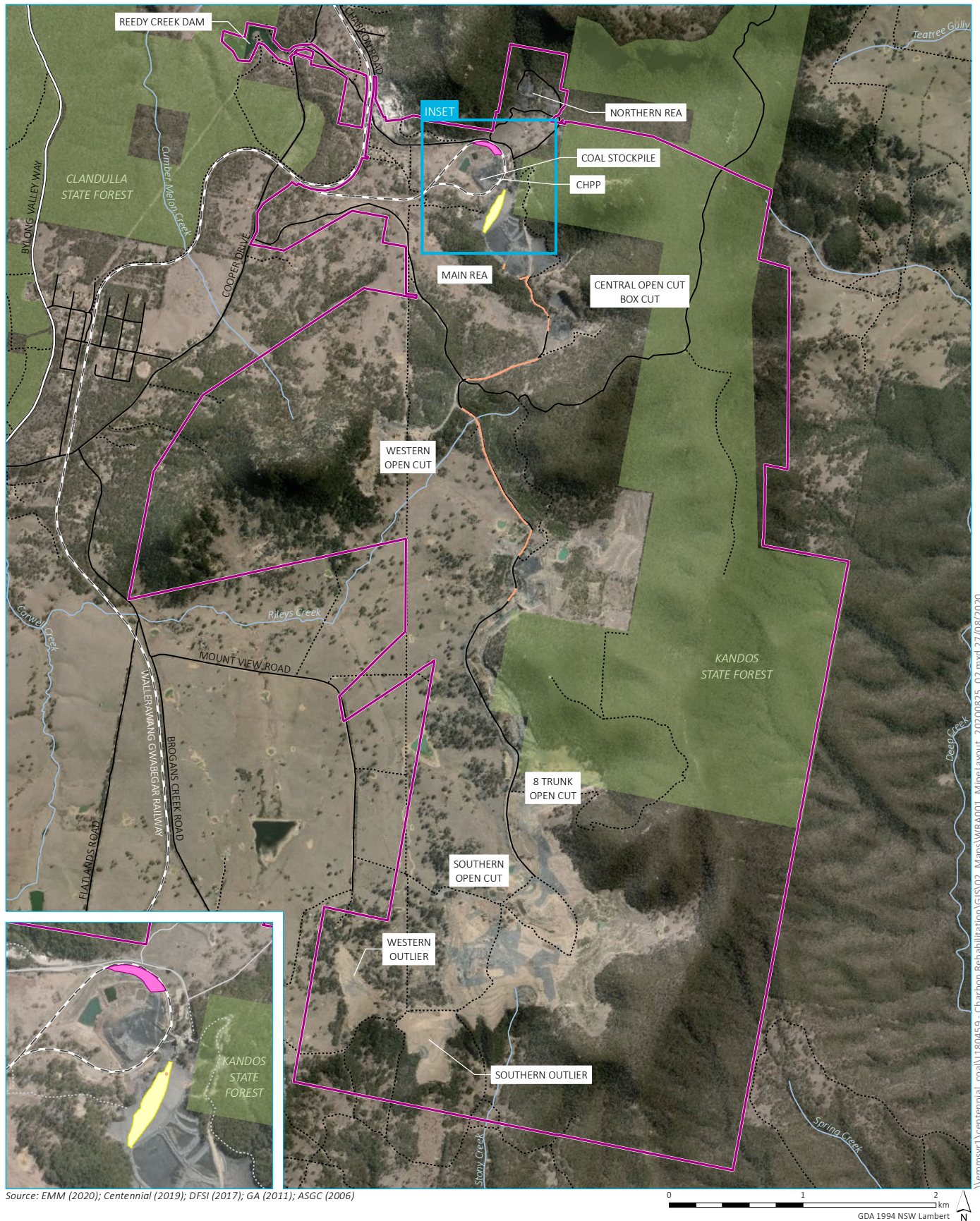


- KEY**
- Charbon Colliery project site boundary
 - Clarence Colliery holding boundary
 - Rail line
 - Main road
 - Watercourse
 - NPWS reserve
 - State forest
 - LGA boundary

Regional context

Charbon Colliery Modification 2
Water resources assessment
Figure 1.1





KEY

- | | |
|--|---|
| Project site boundary | Rail line |
| Proposed modification elements | Major road |
| Hardstand | Minor road |
| Link road | Vehicular track |
| Haul road widening | Named watercourse |
| | State forest |

Mine layout

Charbon Colliery Modification 2
Water resources assessment
Figure 1.2

2 Existing environment

2.1 Climate

Monthly average rainfall and evaporation rates at Charbon were estimated using the Scientific Information for Landowners (SILO) database (DSITI 2020) and are presented in Table 2.1 and Figure 2.1. SILO produces interpolated measurements based on data from surrounding Bureau of Meteorology (BoM) stations. Rainfall is reasonably consistent throughout the year, ranging from 40 to 80 mm per month and averaging 683 mm per year. The average monthly evaporation rate is higher than the average monthly rainfall rate in all months except June and July.

Table 2.1 Monthly average rainfall and evaporation (SILO data)

Aspect	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rain (mm)	81	72	59	44	47	41	47	48	55	59	69	64
Evaporation (mm)	206	161	139	91	56	38	44	67	97	138	166	206
Net (mm)	-126	-89	-80	-47	-10	3	3	-18	-42	-79	-98	-142

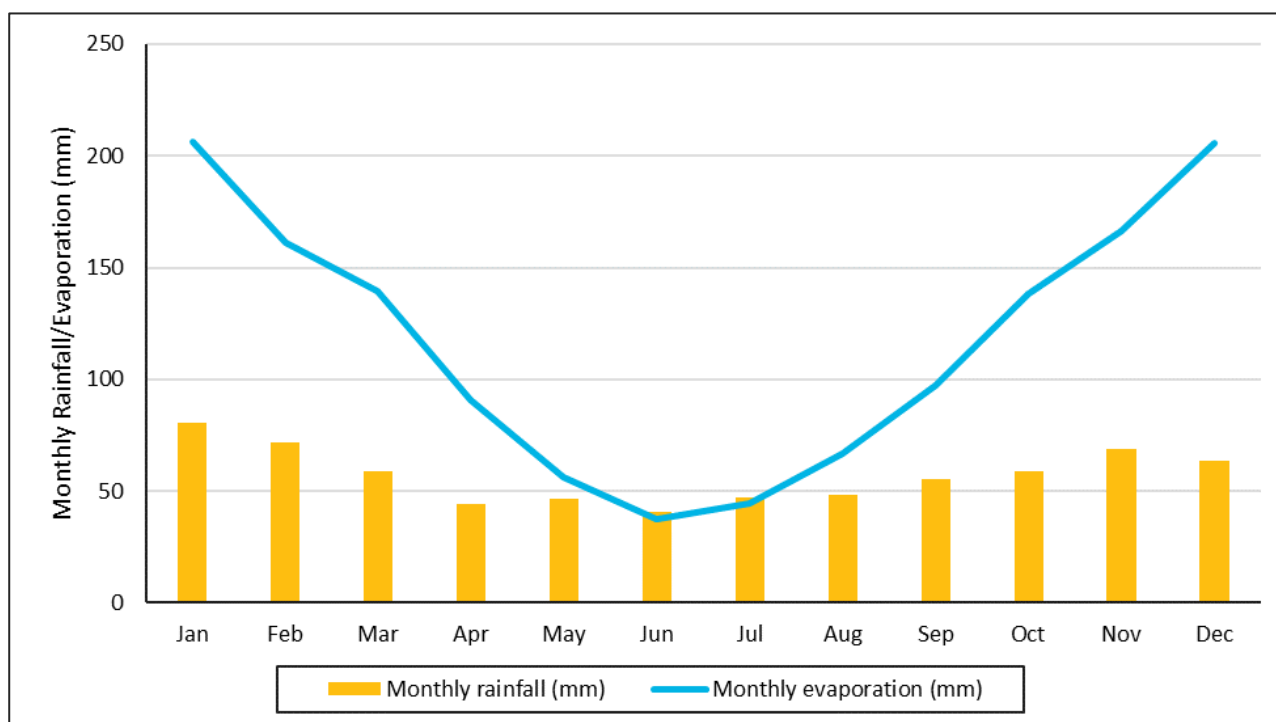


Figure 2.1 Mean monthly rainfall and evaporation at Charbon (SILO data – 1970–2020)

Long-term rainfall trends can be characterised using the cumulative rainfall departure (CRD) method (Bredenkamp et al 1995). CRD shows trends in rainfall relative to the long-term monthly average and provides a historical record of wetter and drier periods. A rising trend in slope in the CRD plot indicates periods of above average rainfall, while a declining slope indicates periods of below average rainfall. CRD has been used in this assessment to give context to variations in groundwater levels and chemistry. The CRD was calculated using data from a BoM station at Rylstone (Station number 062026; January 1885–September 2019), as well as the SILO database (DSITI 2020).

Groundwater levels correspond to long-term rainfall trends as shown on Figure 2.2 and suggest that a degree of connectivity exists between the groundwater system and the prevailing climate.

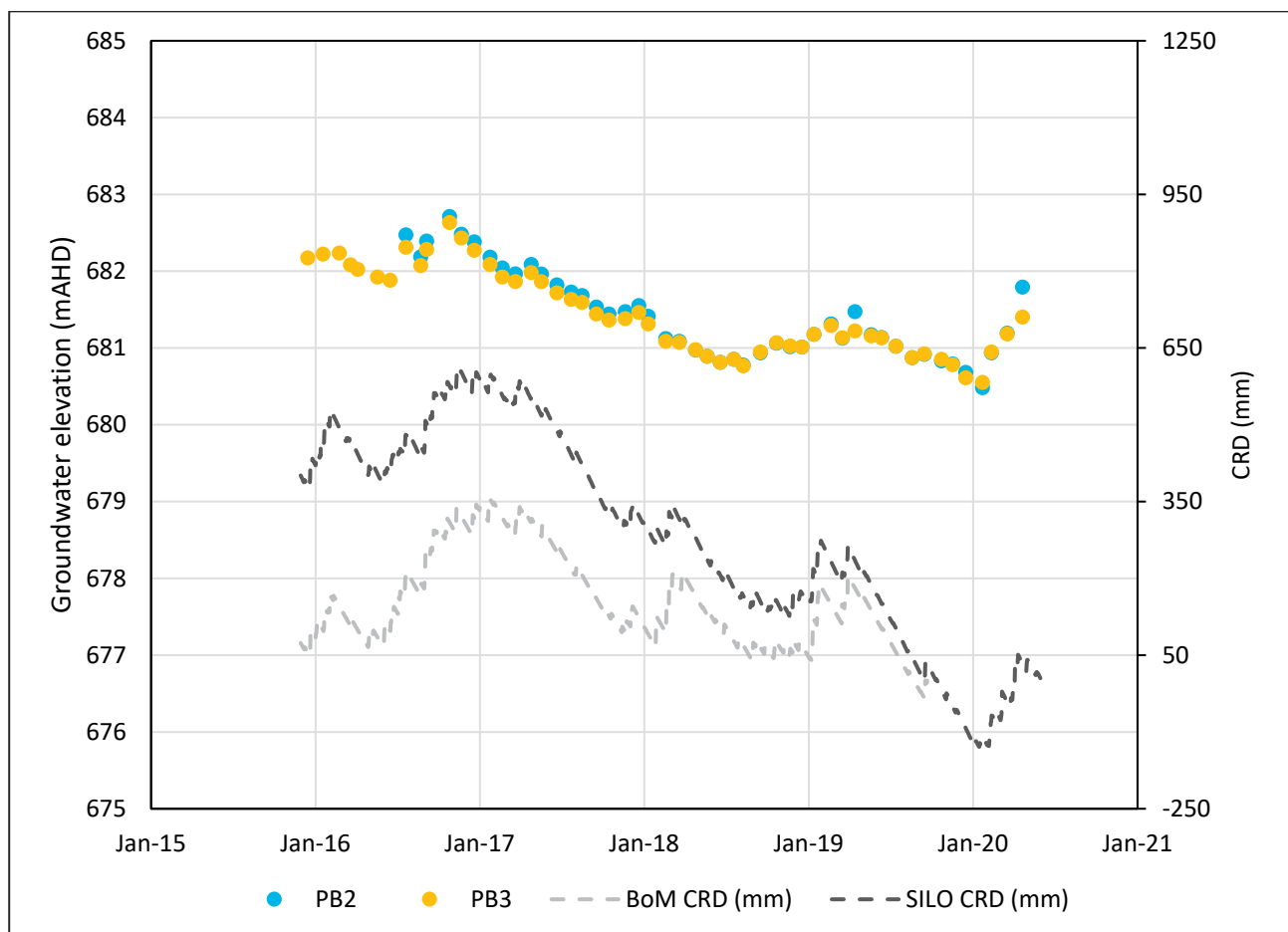


Figure 2.2 Comparison between groundwater elevation at PB2 and PB3 and CRD (BoM station 062026)

2.2 Geology

Charbon is in the southern part of the Western Coalfield of NSW, on the western edge of the Sydney Basin. The general stratigraphy (Herron et al 2018) is shown in Figure 2.3 with the stratigraphy updated based on site specific geology. The stratigraphy, from youngest to oldest consists:

- Jurassic/Tertiary aged Nerang Volcanics consisting of breccia, sandstone and basalt on the peak of Haystack Mountain to the north of Charbon.

- Triassic aged Narrabeen Group sandstones and claystones that generally outcrop along the ridgeline that runs north to south through the project site boundary. At Charbon, the Triassic aged Wianamatta Group and the Hawkesbury Sandstone is absent.
- Permian aged Illawarra Coal Measures including the Irondale, Lidsdale and Lithgow coal seams. The Permian Illawarra Coal Measures outcrop within the project site boundary to the east, west and south of the ridgeline and just outside the project site boundary to the north.
- Shoalhaven Group conglomerate, sandstone shale and siltstones.

The surface geology in the vicinity of Charbon is shown in Figure 2.4. The unconsolidated colluvial/alluvial surficial quaternary sediments are confined to the valley areas and drainage lines. The Wianamatta Group and the Hawkesbury Sandstone are locally absent at Charbon.

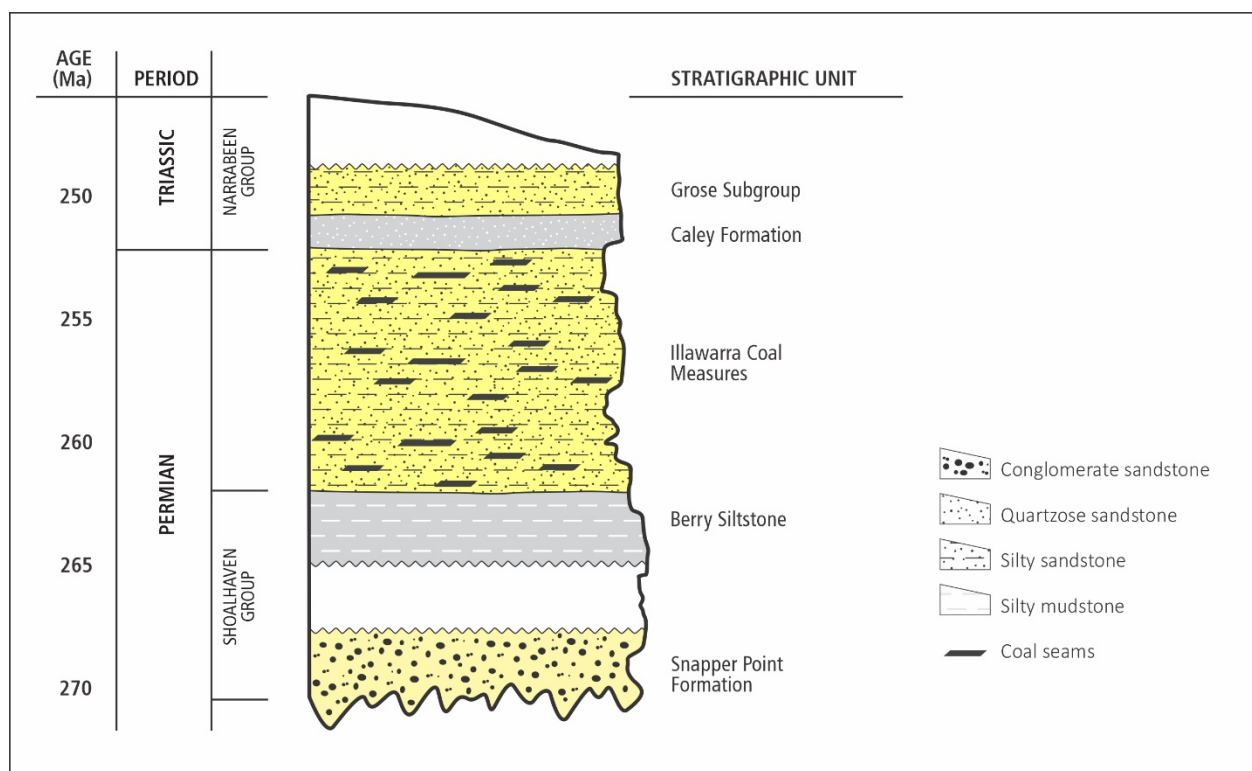
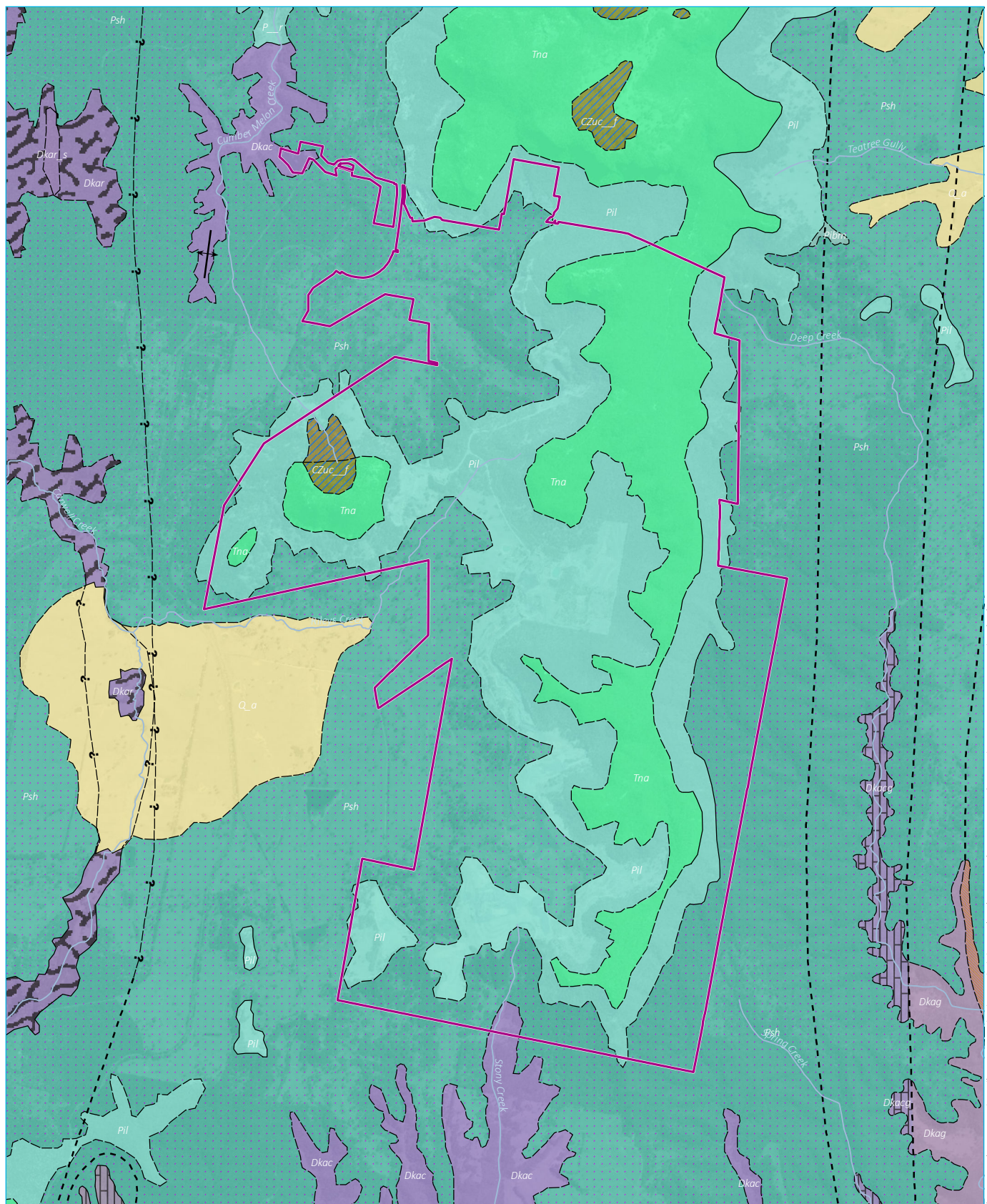


Figure 2.3 Western Coal fields stratigraphy (modified after Herron et al 2018)



Source: EMM (2020); Centennial (2019); DPE (2019); DFSI (2017); GA (2011)

KEY

- Project site boundary
- Named watercourse
- NSW seamless geology**
- Strike and dip of cleavage
- Strike and dip of bedding
- Anticline, position accurate
- Geological boundary, position approximate
- Geological boundary, position accurate
- Geological boundary, inferred
- Geological boundary, concealed

Dominant lithology	Cenozoic sedimentary province	Devonian basins
— Basalt	 Q_a	 Dkac
— Conglomerate	 Permian - Triassic basins	 Dkacb
— Limestone	 Pr	 Dkag
— Porphyry	 Pilbm	 Dkag
— Pyroclastic rock	 Pil	 Dkar
	 Psh	 Dkar_s
	 Tna	

Surface geology

Charbon Colliery Modification 2
Water resources assessment
Figure 2.4

2.3 Groundwater

2.3.1 Aquifers

The principal groundwater resources in the vicinity of Charbon are:

- unconsolidated colluvial/alluvial surficial quaternary sediments;
- consolidated coal measures, interburden and basement rock of the Permian Coal Measures (PCM); and
- consolidated basement rock of the Shoalhaven group.

The local groundwater sources that occur in the vicinity of the project site boundary are generally low yielding and are predominantly within the weathered and/or fractured sandstone and coal seams that occur within Haystack Mountain and the Great Dividing Range.

i Unconsolidated colluvial/alluvial surficial quaternary sediments

The alluvium in the vicinity of Charbon forms a limited unconfined shallow aquifer. Alluvial sediments are associated with valley floor drainage lines and are of limited extent within the project site boundary (GeoTerra 2009).

ii Permian Coal Measures

The coal measures and basement rocks of the PCM exhibit low intergranular porosity and permeability, with resultant groundwater storage and flows being low, tending to be highest in the coal seams themselves or fracture systems and, less commonly, within fractures associated with faults intersecting the seams. Fracture systems tend to be of limited spatial extent and connectivity. Coal seam groundwater (Irondale, Lidsdale and Lithgow seams) is limited and generally form unconfined, free draining, unsaturated aquifers while sediments in the overburden and interburden sequence are usually relatively impermeable and form aquitards.

The Permian strata can be categorised into the following hydrogeological units:

- hydrogeologically 'tight' and hence very low yielding and essentially dry sandstone, conglomerate and siltstone that comprise the majority of the interburden/overburden; and
- low to moderately permeable coal seams which are the prime water bearing strata within the Charbon sequence and have been generally dry during workings.

They are classified as 'less productive' in accordance with the criteria specified in the NSW *Aquifer Interference Policy* (DPIE 2012) (ie the yield is typically less than 5 L/s and/or the total dissolved solids (TDS) concentration is typically greater than 1,500 mg/L). The regional groundwater sources occur within the Shoalhaven Group and the underlying metamorphic rocks.

Recharge areas are generally in areas where the coal seams outcrop or sub-crop beneath saturated alluvium/colluvium sediments. Flow patterns would likely be represented by:

- recharge from the hills and areas of seam outcrop or sub-crop;
- gravity driven flow from the hills to the valleys;
- areas of historical coal workings acting as groundwater sinks; and

- pressure gradients in confined lithologies and unconfined flow in areas of outcrop.

Intermittent groundwater seepage has been observed from the eastern slope coal seam outcrop areas following significant rainfall (GHD 2017). The groundwater system within the PCM is considered disconnected from the regional Shoalhaven Group aquifer system within the study area.

iii Shoalhaven Group

The regional groundwater system is hosted within the Shoalhaven Group sediments and is hydrogeologically 'tight', low yielding, essentially dry sandstone, conglomerate and siltstone and relatively impermeable. Groundwater occurrence is limited to secondary porosity fracture systems and less commonly within fractures associated with faults. The fracture systems have a high degree of heterogeneity and anisotropy.

Locally, the Shoalhaven Group aquifer is unconfined in the upper part and becomes confined with depth. The depth to groundwater is around 15 m below ground level (Table 2.3), with first water bearing fractures around 30–50 m below ground level. The overlying Lithgow Seam, the deepest of the mined seams, is approximately 40–60 m above the regional groundwater table.

The Shoalhaven Group regional aquifer is recharged from rainfall infiltration and seepage from local drainage lines, as demonstrated in Figure 2.2. The regional groundwater system is unlikely to be hydraulically connected to the coal seam groundwater (GeoTerra 2009), given the dry sandstone, conglomerate and siltstone interburden forming an aquitard. Thus, any groundwater associated with the coal seams is conceptualised to be a perched system.

2.3.2 Groundwater levels and flow directions

i Permian Coal Measures aquifer

PCM groundwater monitoring bores have been installed in the outcropping coal measures and outcropping Shoalhaven Group. Details are summarised in Table 2.2. These bores are sampling bi-annually, as per Charbon's existing water management plan (WMP). No groundwater level data is available for these monitoring bores.

Table 2.2 Permian Coal Measures groundwater monitoring bores

Bore	Easting	Northing	Elevation (TOC; mAHD) ^{2,3}	Bore depth (mBTOC) ¹	Screened interval (mBTOC) ¹
MW01	217807.1	6353288.8	743.71	10.54	4.0-10.0
MW02	217869.7	6353280.5	742.76	7.39	2.8-6.8
MW03	217536.4	6356365	702.51	10.84	4.8-10.8
MW04	217701.5	6356370.1	743.92	10.65	4.3-10.7
MW05	217740.2	6356370.1	743.21	6.47	3.5-6.5
MW06	217628.1	6353640.8	741.44	7.79	4.7-7.7
MW07	217652.8	6353648.4	741.03	8.28	5.3-8.3
MW08	217677.9	6353682.3	740.75	9.19	6.1-9.1
MW09	217650.6	6353725.6	740.59	10.35	7.4-10.4
MW10	217899.1	6353300.9	742.28	6.37	3.7-6.7
MW11	217781.9	6351045.8	746.04	7.81	4.8-7.8
MW12	217380.6	6351074.4	750.66	10.85	7.9-10.9

Notes: 1. mBTOC: metres below top of casing;
2. TOC: top of casing; and
3. mAHD: metres Australian Height Datum.

ii Shoalhaven Group aquifer

Groundwater level data from site bores PB2 and PB3 as well as time-of-drilling water level measurements at known registered bores from the WaterNSW real-time database (WaterNSW 2020b), and one abandoned production bore (PB1), have been used to produce an interpolated groundwater elevation contour map of the regional aquifer in the vicinity of the site and shown on Figure 2.5. Collated groundwater level measurements are summarised in Table 2.3. Although measurements were recorded at different times, the map is expected to be a reasonable representation of the water table of the regional aquifer.

Table 2.3 Regional groundwater bores

Bore	Easting	Northing	Bore depth (mBGL) ¹	Screened interval/WBZ ⁴ (mBGL)	Elevation (TOC; mAHD) ^{2,3,6}	First water cut (mBGL)	Depth to groundwater (mbTOC)	Groundwater elevation (mAHD)	Groundwater measurement date
PB1	217430	6356753	130	35-79	690	35	13	677	15/01/2007
PB2	217545	6356939	121	45-73	693.23	45	11.8	681.48	2016-2020
PB3	217311	6356234	97	49-90	702.45	49	21	681.5	2016-2020
GW025278	775819	6355252	76.2	16.7-18.20	720	16.7	12.8	707.2	01/10/1968
GW053313	778411	6345744	45.7	27.4-28	650	27.4	21.3	628.7	01/05/1981
GW059768	776744	6350200	45.7	32-41.40	750	32.3	24.3	725.7	1987
GW800781	777488	6353633	25	13-19	730	13	9.5	720.5	17/12/1995
GW800786	772388	6355683	42	24-38	675	36	12	663	05/11/1994
GW801159	774358	6349941	27	15-25.3	740	15	3.5	736.5	13/03/1998
GW802972	777822	6357049	56	17-43	670	18	14	656	25/03/2005
GW803115	775340	6350697	50	26-44	710	29	3	707	04/06/2007
GW804917	774211	6349140	40	24-36	745	26	20	725	25/02/2007

Notes: 1. mBGL: metres below ground level;

2. TOC: top of casing;

3. mAHD: metres Australian Height Datum;

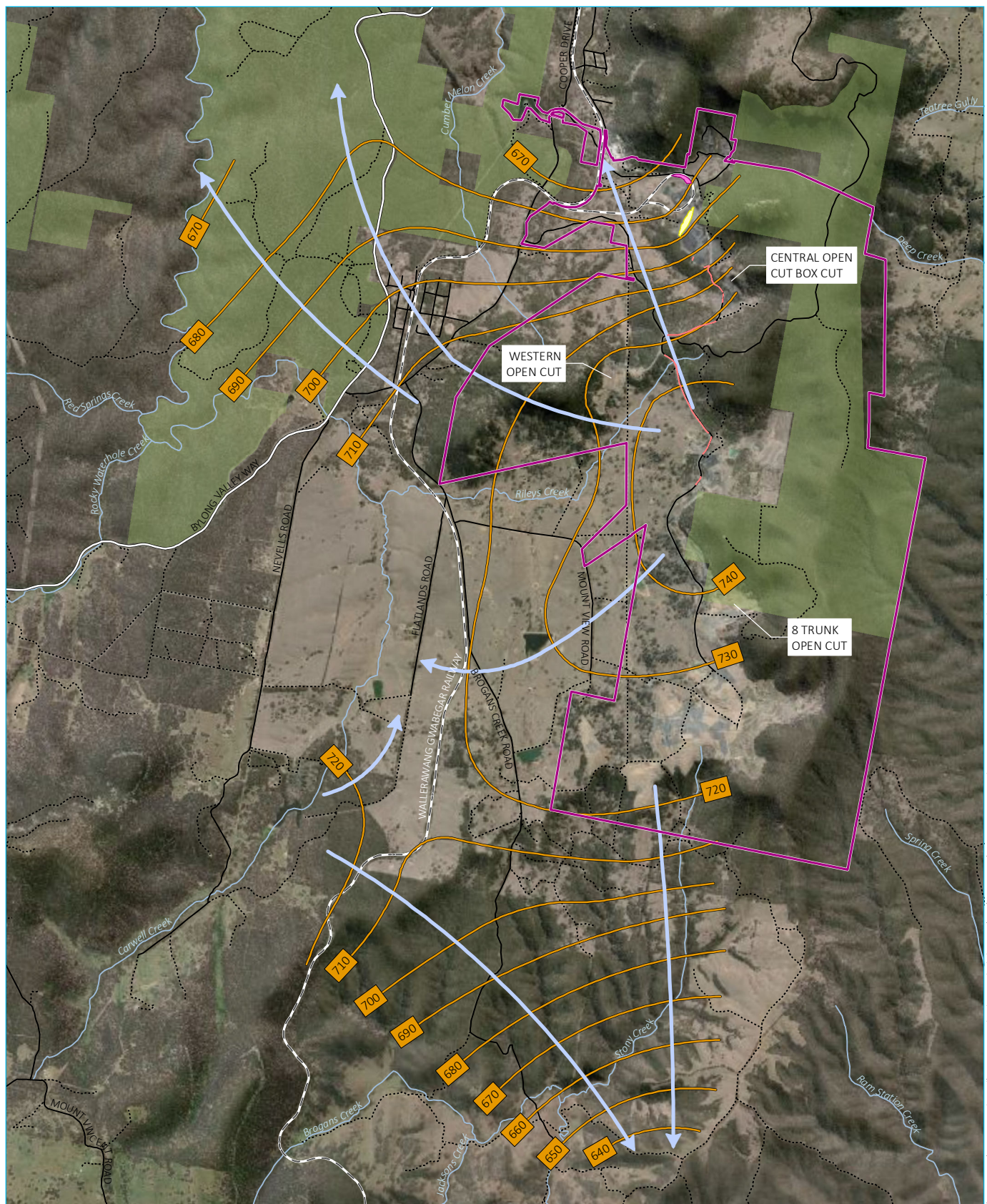
4. WBZ: water bearing zone;

5. Value is the water bearing zone and is given where the screened interval is unknown;

6. Surface elevation values for the third-party bores are estimated from topography contours; and

7. Co-ordinate zone 55

The groundwater elevation contours and flow directions shown on Figure 2.5, indicate the water table is a subdued reflection of topography. Groundwater levels are highest near Charbon, just west of the Great Dividing Range. Groundwater flows in a westerly direction at least initially, from the elevated areas of the Great Dividing Range towards Carwell Creek, north towards the township of Kandos and south towards Brogans Creek and Stony Creek.



Source: EMM (2020); Centennial (2019); DFSI (2017); GA (2011)

KEY

Project site boundary

Inferred groundwater contour (mAHd)

➔ Inferred groundwater flow direction

Proposed modification elements

Hardstand

Link road

Haul road widening

Rail line

Major road

Minor road

Vehicular track

➔ Named watercourse

State forest

Groundwater contours and
flowline analysis

Charbon Colliery Modification 2
Water resources assessment
Figure 2.5

2.3.3 Groundwater recharge

Groundwater recharge at Charbon was assessed using the chloride mass balance method (Scanlon et al 2002), which allows the estimation of groundwater recharge. The method assumes the mass of chloride observed in the groundwater arises from aerosols and precipitation with negligible contributions from rock weathering and anthropogenic sources. The equation used to estimate groundwater recharge is shown in Equation 1, where RF_{annual} is the annual rainfall (mm/year), Cl_{RF} is the rainfall chloride concentration (mg/L), and Cl_{GW} is the groundwater chloride concentration (mg/L).

$$\text{Recharge} = \frac{RF_{\text{annual}} \times Cl_{\text{RF}}}{Cl_{\text{GW}}} \quad \text{Equation 1}$$

Recharge estimates for PB2 and PB3 were derived using the averages of all laboratory-reported chloride concentrations (data from 2015–2020). Groundwater chloride concentrations range from 75.8 mg/L to 136.8 mg/L. Annual rainfall was assumed to be 683 mm (Table 2.1). A rainfall chloride concentration of 1.26 mg/L was derived from the Australian chloride deposition rate dataset (CSIRO 2014). Calculated results are presented in Table 2.4.

Table 2.4 Chloride mass balances at PB2 and PB3

Bore	Average groundwater chloride concentration (mg/L)	Estimated groundwater recharge (mm/year)	Percentage of annual rainfall (%)
PB2	75.8	11.3	1.7
PB3	136.8	6.3	0.9

2.3.4 Hydraulic conductivity

An estimate of hydraulic conductivity of the Shoalhaven Group regional aquifer is informed by a pumping test carried out at PB2 and PB3 in February 2007. The test consisted of 24 hours of pumping and 12 hours of recovery monitoring in each abstraction bore. The bores are screened within the same aquifer, 104 m apart and were pumped simultaneously during the test to assess potential water supply for Charbon’s mining operations.

The pumping test data was analysed using an unconfined aquifer solution with the following assumptions:

- bores are fully penetrating;
- aquifers and aquitards are infinite in extent;
- aquifers are homogeneous and uniform in thickness;
- aquitards have a uniform vertical hydraulic conductivity;
- flow in aquitards is vertical;
- flow to the well is horizontal; and
- the aquifer is conceptualised as one thick aquifer only.

The following limitations are noted:

- both bores were pumped at the same time, making it difficult to determine the aquifer response to a single bore due to potential interference effects; and
- the dataset is uncontrolled and the quality of the data is unknown. It is noted that the standing water level in PB3 before pumping began was measured as 28.22 mBTC, whereas more recent measurements indicate a static level of approximately 21 mBTC. This suggests that the bore may not have had adequate time to recover prior to beginning the test.

The results of these analyses are presented in Table 2.5. The horizontal hydraulic conductivity (K_H) of the aquifer surrounding PB2 was estimated to be 0.46 m/day, and 0.11 m/day in the vicinity of PB3. These results are reasonable for the fractured rock aquifer associated with the Shoalhaven Group. Results of the analyses are provided in Appendix A.

Table 2.5 Pumping test analysis results

Bore	Solution type	Horizontal hydraulic conductivity (m/day)
PB2	Unconfined aquifer	0.46
PB3	Unconfined aquifer	0.11

2.3.5 Groundwater quality

Groundwater quality of the Shoalhaven Group aquifer has been reviewed to characterise background physiochemical, major ion and dissolved metal concentrations. Monthly groundwater samples have been collected from PB2 and PB3 from July 2015 and analysed by ALS, a NATA-accredited laboratory. Average results of samples collected from July 2015 to April 2020 are summarised in Table 2.6 to Table 2.8, while the full dataset is included in Appendix B.

Groundwater quality of the Shoalhaven Group aquifer is characterised as brackish, with average electrical conductivities (EC) of 2,593–3,569 $\mu\text{S}/\text{cm}$. Groundwater at PB2 is neutral, while slightly acidic at PB3. Major ion composition is similar in both bores, with PB3 having slightly higher concentrations, as expected from the higher average EC. Dissolved metal concentrations are low in both bores, except for manganese which is present in concentrations of 8.1 and 11.9 mg/L in PB2 and PB3, respectively, which could suggest reducing conditions in the aquifer.

The ANZECC (2000) long-term irrigation guidelines are used as the default value guidelines (DVG's) due to the prevalence of groundwater being used for this purpose in the vicinity of Charbon. The comparison values are presented in Table 2.9. The regional groundwater is naturally high in manganese at levels approximately 50 times the guideline value.

Table 2.6 Groundwater quality overview (average)

Laboratory parameters	Unit	PB2	PB3
EC	$\mu\text{S}/\text{cm}$	2,593	3,569
pH	pH units	7.17	6.03

Table 2.7 Major ion concentrations (average)

Ion	Unit	PB2	PB3
Sodium	mg/L	95	99
Potassium	mg/L	8	12
Magnesium	mg/L	218	296
Calcium	mg/L	153	351
Chloride	mg/L	75	134
Sulphate	mg/L	1,429	2,144
Bicarbonate	mg/L	100	124
Carbonate	mg/L	1.8	<1

Table 2.8 Dissolved metal concentrations (average)

Metal	Unit	PB2	PB3
Aluminium	mg/L	0.13	0.14
Arsenic	mg/L	<0.001	0.002
Boron	mg/L	0.06	0.05
Cadmium	mg/L	<0.0001	<0.0001
Chromium	mg/L	<0.001	<0.001
Copper	mg/L	<0.001	<0.001
Lead	mg/L	<0.001	<0.001
Manganese	mg/L	8.1	11.9
Nickel	mg/L	0.03	0.17
Zinc	mg/L	0.03	0.60
Mercury	mg/L	<0.0001	<0.0001

Table 2.9 Groundwater quality comparison values

Analyte	Long-term irrigation guideline value (mg/L; ANZECC 2000)	Median concentration in PB2 groundwater (mg/L) ¹	Median concentration in PB3 groundwater (mg/L) ¹
Aluminium	5	0.01	0.04
Arsenic	0.1	0.001	0.001
Cobalt	0.05	-	-
Manganese	0.2	10.4	11.0
Nickel	0.2	0.002	0.15
Zinc	2	0.006	0.54

Note: 1. Median of monthly groundwater quality data collected between July 2015 and April 2020; and
2. '-' indicates that the data is not available.

2.3.6 Groundwater receptors

i Groundwater users

A search for registered bores in the vicinity of the emplacement areas was undertaken using the WaterNSW (WaterNSW 2020b) real-time database. Registered bores were identified for a range of purposes including groundwater monitoring, stock and domestic, irrigation and mining. Most of the bores in the area were related to the historical Kandos cement plant and associated works in the vicinity of Kandos, to the north of Charbon (GHD 2018). It is unknown how many of these bores are still actively utilised. The majority of the bores with construction information available were found to be screened in the Shoalhaven Group aquifer.

The identified bores are summarised in Table 2.10 and shown in Figure 2.6. The direct distance listed is the straight-line distance between the bore and the closest emplacement area, rather than the flow line distance, therefore representing the more conservative value.

Table 2.10 Third-party groundwater bores down hydraulic gradient from proposed CCR emplacement areas

Bore ID	Easting (m)	Northing (m)	Upgradient CCR emplacement area(s)	Direct distance from closest CCR emplacement area (km)
GW059768	776744	6350200	8 Trunk Open Cut	3.2
GW803115	775340	6350697	8 Trunk Open Cut	3.9
GW053313	778411	6345744	8 Trunk Open Cut	7.2
GW070786	777802	6345329	8 Trunk Open Cut	7.6
GW804127	217199	6344944	8 Trunk Open Cut	7.9
GW800781	777488	6353633	Western Open Cut/8 Trunk Open Cut	0.9
GW800780	776763	6353708	Western Open Cut/8 Trunk Open Cut	1.4
GW023586	775848	6355344	Western Open Cut	2.2
GW025278	775819	6355252	Western Open Cut	2.2
GW804126	217196	6356048	Central Open Cut Box Cut/Western Open Cut	1.1
GW804125	217430	6356753	Central Open Cut Box Cut/Western Open Cut	1.5
GW802972	777822	6357049	Central Open Cut Box Cut/Western Open Cut	2.1
GW804535	777626	6357064	Central Open Cut Box Cut/Western Open Cut	2.3

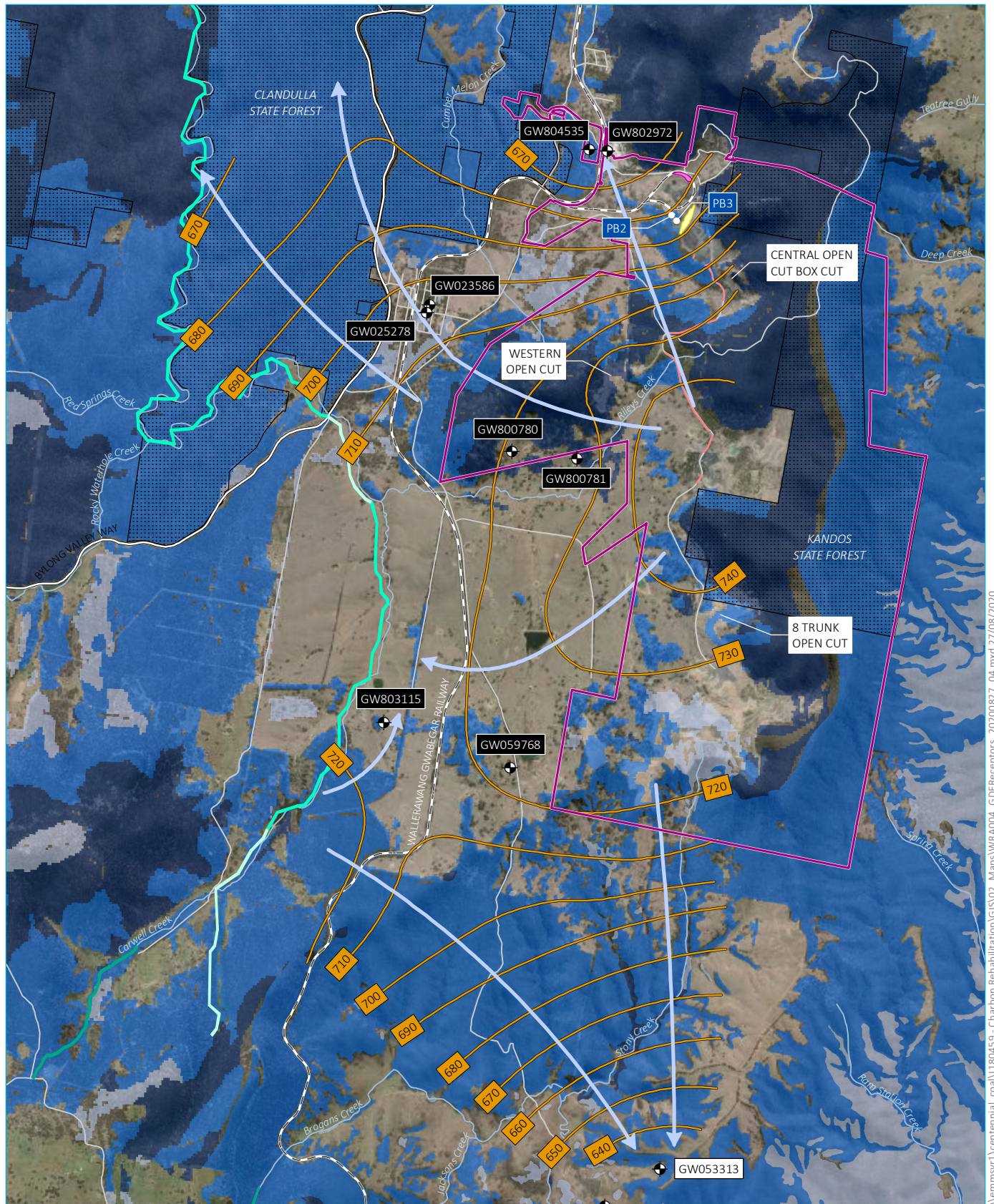
ii Groundwater dependent ecosystems

The Bureau of Meteorology (BoM) (2020) *Groundwater Dependent Ecosystems Atlas* (GDE Atlas) was developed as a national dataset of Australian GDEs to inform groundwater planning and management. A review of the GDE Atlas indicates there are potential terrestrial GDEs surrounding Charbon (Figure 2.6). The register indicates there are areas of low, moderate, and high potential terrestrial GDEs in the area. Identified aquatic and terrestrial GDEs are summarised in Table 2.11. There are no subterranean GDEs surrounding Charbon identified in the GDE Atlas.

Table 2.11 **Potential groundwater dependent ecosystems**

Name	Type	Potential	Comment
Carwell Creek	Aquatic	Moderate potential	May receive groundwater baseflow contributions. At the closest point, this receptor is 3.2 km from the Western Open Cut.
Capertee Foothills Box – Stringybark Forest and Yellow Box – Blakelys Red Gum grassy woodland	Terrestrial	Low potential	Due to the first water bearing fractures of the Shoalhaven aquifer occurring approximately 30–50 mBGL, it is unlikely that this vegetation utilises groundwater from this aquifer.

Source: BoM (2020).



Source: EMM (2020); Centennial (2019); DFSI (2017); BoM (2017); GA (2011)

KEY

- Charbon Colliery project site boundary
- Third-party bore
- Inferred groundwater contour (mAHD)
- Inferred groundwater flow direction
- Proposed modification elements
- Hardstand
- Link road
- Haul road widening

- Aquatic GDE groundwater interaction
- High potential
- Moderate potential
- Low potential
- Terrestrial GDE groundwater interaction
- High potential
- Moderate potential
- Low potential

- Rail line
- Major road
- Minor road
- Named watercourse
- State forest

Receptors

Charbon Colliery Modification 2
Water resources assessment
Figure 2.6

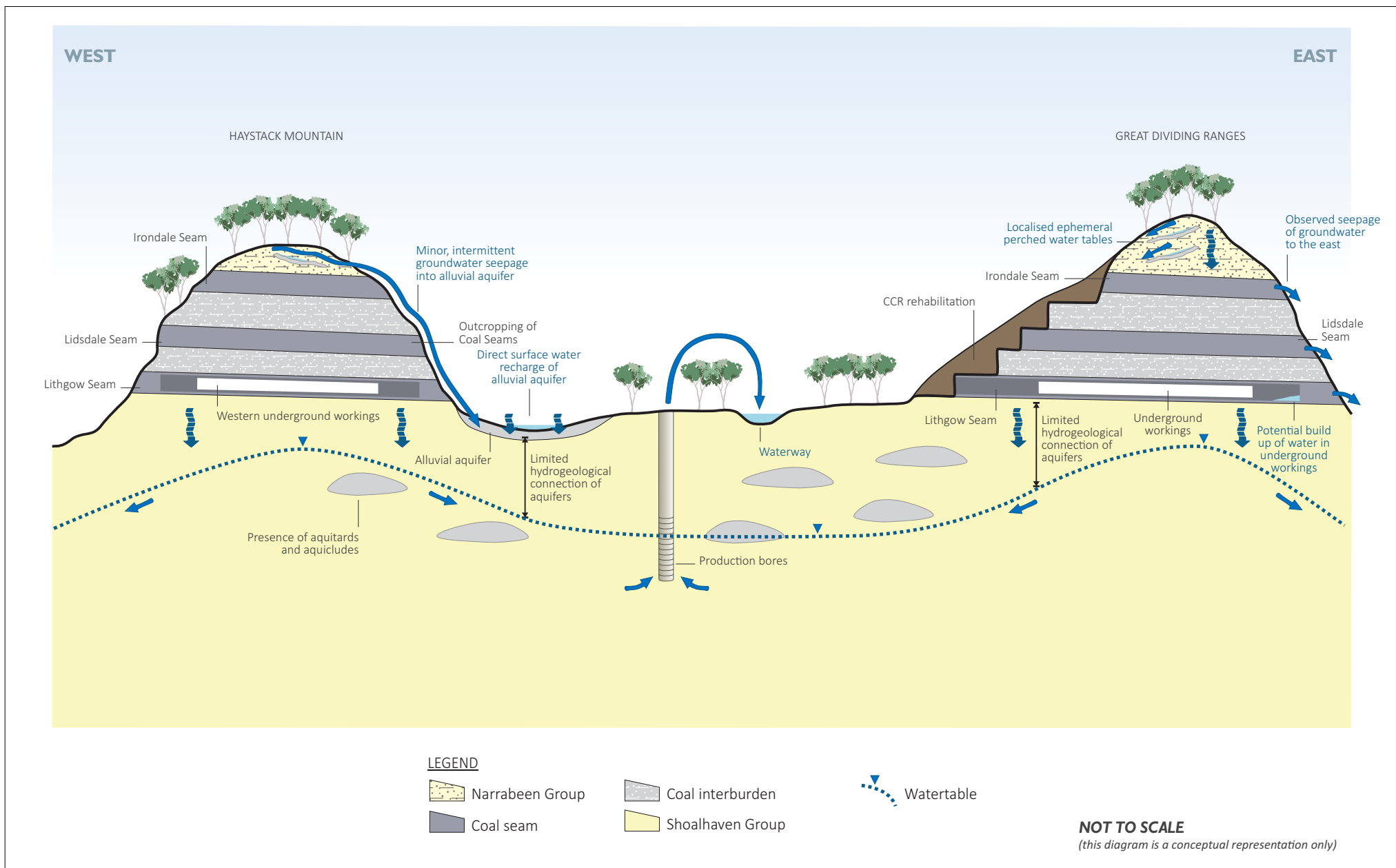
2.3.7 Conceptual groundwater model

The existing groundwater environment includes the overlying PCM of the Illawarra Group which consists of alternating hydrogeologically 'tight' dry sandstone, conglomerate and siltstone that comprise most of the interburden/overburden and low to moderately permeable coal seams which are the prime water bearing strata. The movement of PCM groundwater is towards the east in the direction of the dip of the coal seams indicated by the potential build-up of groundwater in the underground workings and the observed seepage of groundwater on the eastern side of the underground workings.

The underlying Shoalhaven Group aquifer is a fractured rock aquifer and is hydrogeologically 'tight', low yielding, essentially dry sandstone, conglomerate and siltstone and relatively impermeable. Groundwater occurrence is limited to secondary porosity fracture systems and less commonly within fractures associated with faults. The fracture systems have a high degree of heterogeneity and anisotropy. Locally, the Shoalhaven Group aquifer is unconfined in the upper part and is recharged from rainfall infiltration and seepage from local drainage lines and becomes a confined aquifer with depth. The aquifer system is considered unlikely to be hydraulically connected to the coal seam groundwater given the dry sandstone, conglomerate and siltstone interburden forming an aquitard.

Infiltrating rainfall which passes through the CCR emplacement areas, has the potential to dissolve and mobilise contaminants (described in Section 2.5). The infiltrating water could flow into the regional groundwater system along a pathway and move down hydraulic gradient towards a receptor. The conceptual hydrogeological model is presented in Figure 2.7, with the following key points:

- rainfall infiltration on the mountainous areas leads to intermittent recharge of the coal seam aquifers and localised, ephemeral, perched water tables;
- rainfall recharge of the coal seam aquifers and seepage from the Third Entry Evaporation Dam could lead to a build-up of water in the underground coal seam workings;
- groundwater from the PCM aquifers intermittently seeps out of the eastern side of outcropping coal seams;
- seepage from CCR emplacement associated with the proposed modification could contribute recharge to the water table;
- there is limited hydrogeological connection of the regional Shoalhaven Group aquifer with the coal seam and alluvial aquifers; and
- groundwater depths are typically at least 30 m deep beneath the underground workings.



Conceptual east-west groundwater model

Charbon Colliery Modification 2

Water resources assessment

Figure 2.7

2.4 Surface water

2.4.1 Surface water environment

Charbon's mining lease and project site boundary extends across four local catchments which include Reedy Creek and Rileys Creek, draining to the north and west respectively, which are part of the Macquarie-Bogan River catchment, and the Stony Creek and Deep Creek catchments which predominantly drain to the south and are within the Hawkesbury-Nepean catchment.

The proposed footprint of the modification elements (ie hardstand, haul road widening and link road) and CCR emplacement areas are in the Reedy Creek and Rileys Creek catchments (Figure 2.8). The following existing site infrastructure and surface water features are in each catchment:

- Reedy Creek: CHPP, ROM stockpiles, REA, Mine Washery Dam, pit top services area, coal loading infrastructure, rail loop and portions of the Western Open Cut. The Reedy Creek catchment drains to Reedy Creek Dam, with overflows from the Reedy Creek Dam flowing to Cumber Melon Creek.
- Rileys Creek: Southern Open Cut, 8 Trunk Open Cut, 9 Trunk Open Cut, Western Outlier, Third Entry Area, 3rd Entry and 8 Trunk infrastructure areas. There are a number of storages and farm dams on Rileys Creek.

2.4.2 Clean water management

The existing clean water management system for Charbon is shown on Figure 2.8. Charbon has one main storage, Reedy Creek Dam, that captures and manages clean water on-site. This dam has a capacity of 220 ML and overflows downstream of the site into Cumber Melon Creek. Whilst the dam is a clean water source, Charbon discharges to it via LDP4, LDP5 and LDP6.

Charbon has approval under WAL 35023 to extract up to 231 ML/year from Reedy Creek Dam. Water sourced from the dam was historically used to supplement the water supply to the CHPP and other water demands when mining operations were occurring; however, now water can be pumped to CHPP Dam 3, which supplies the train loading manifold that is used to transfer up 170 ML/year of water to Airly Mine via rail.

Three drainage easements exist within the project site boundary which convey runoff to the west and north as shown on Figure 2.8. Structures, culverts or diversions are used to prevent direct interactions of the clean and dirty water systems with these easements.

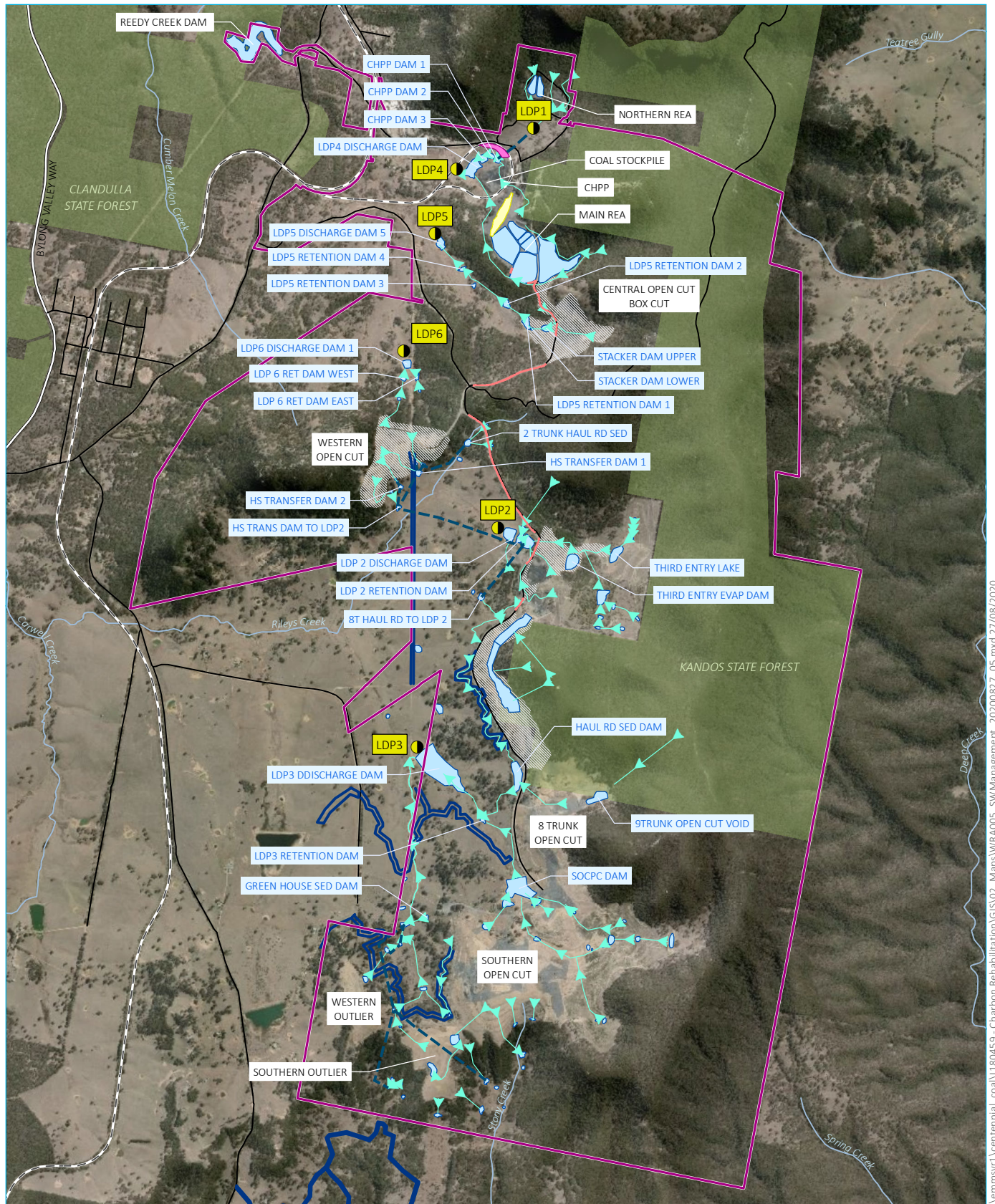
2.4.3 Dirty water management

Charbon's dirty water management system consists of a series of control structures that minimise the risk of dirty water entering areas of clean water runoff and natural waterways. Dirty water is generally directed into various sediment dams or pollution control dams (PCDs) for treatment through settling prior to discharge through LDPs. Key components of the dirty water management system are shown on Figure 2.8.

The dirty water management structures at Charbon form the basis of on-site erosion and sediment control, particularly with respect to capturing and storing sediment-laden runoff from disturbed areas and enabling suspended solids to effectively settle out of the water column. The key functions of dirty water management structures are to:

- retain dirty water and increase residence time to improve water quality to within limits suitable for discharge to the downstream environment;

- allow retained dirty water to be transferred to central water storages to manage and control discharges of treated water and minimise the potential of uncontrolled discharge of dirty water to the environment; and
- maximise, where practicable, opportunities for the reuse and recycling of water on-site, including irrigation of rehabilitated and other vegetated areas.



KEY

- Project site boundary
- Licensed Discharge Point (LDP)
- Flow path
- Pipeline connections for transfers
- Drainage easement
- Surface water storage
- Indicative areas of emplacement

Proposed modification elements

- Hardstand
- Link road
- Haul road widening

- Rail line
- Major road
- Minor road
- Named watercourse
- State forest

Existing surface water management

Charbon Colliery Modification 2
Water resources assessment
Figure 2.8

2.4.4 Surface water users

Downstream surface water users were identified by searching for licensed water users and domestic and stock rights users with a water supply work approval in the *NSW Water Register* (WaterNSW 2020a). A total of four lots with works approvals related to surface water were identified on Cumber Melon Creek downstream of Reedy Creek Dam and upstream of the Cudgegong River. One of the lots identified is held by Centennial (Lot 129 of DP 755802) and is associated with WAL 35023 for the extraction of surface water from Reedy Creek Dam. The details of the works approvals are summarised in Table 2.12.

Table 2.12 Downstream surface water users

Lot/DP	Approval	Kind of approval	Work type	Use purpose	Associated WAL	WAL share components	Category
129/755802	80WA717721	Water supply works	Diversion works – pumps Storages	Not recorded	35023	231	Unregulated river
104/813230	80WA717683	Water supply works	Storages	Not recorded	NA	None	None
6/755802	80CA717665	Water supply works and water use	Diversion works – pumps	Irrigation	35000	17	Unregulated river
2/857435	80CA717727	Water supply works and water use	Diversion works – pumps	Irrigation	35009	9	Unregulated river

2.5 Geochemical characterisation

2.5.1 Overview

The proposed modification involves importation of CCR from Clarence. Importing material from another location carries the risk of the new material having undesirable geochemical properties, which could lead to degradation of the local environment through mechanisms such as acid generation and metal mobilisation.

An assessment has been undertaken to characterise material from Clarence's REA6 and assist with quantifying potential impacts to ensure it is suitable for use in rehabilitation activities at Charbon (EMM 2020).

A field sampling program was completed with soil samples taken at various locations at REA6 across a range of depths (ie 0–2.4 m) to identify the acid-forming potential of the CCR material and any metal/metalloid enrichment within the CCR material.

Most samples were found to be potentially acid-forming. Though the material was found to have low sulfur content, which would suggest low acid-generation potential, there was little acid neutralisation capacity available to buffer a reduction in pH.

Cobalt was the only metal in the samples found to be enriched, at approximately 2–4 times the global median soil concentration. A detailed description of the methodology adopted for the characterisation program and results is provided in the geochemical assessment report (Appendix G of the modification report).

2.5.2 Retardation

The transport of leached metals and metalloids from the CCR material was investigated to support the groundwater impact assessment. The mobility of metals and metalloids in groundwater may be retarded by interactions with dissolved species and the solid media through which the groundwater is transported. Metals and metalloids may react with ligands in groundwater and with surface sites on the solid materials with which the water is in contact (Allison and Allison 2005). Binding of the metals/metalloids to the solid media is referred to as sorption; in transport modelling sorption is accounted for by the partition coefficient (K_d ; also known as distribution coefficient), which is defined at equilibrium as:

$$K_d(L/kg) = \frac{\text{sorbed concentration (mg/kg)}}{\text{dissolved concentration (mg/L)}} \quad \text{Equation 2}$$

Sorption to the solid medium results in a reduction in the dissolved concentration of the metal/metalloid, which affects the overall rate of metal/metalloid transport (Allison and Allison 2005).

For a particular metal/metalloid, K_d values are dependent upon various geochemical characteristics of the soil and porewater. Parameters that have the greatest influence on the magnitude of K_d include the pH of the system and the nature and concentration of sorbents associated with the solid matrix. In the subsurface beneath a waste rock dump or a tailings storage facility, the concentration of leachate constituents may also influence the metal K_d through competition for sorption sites (Allison and Allison 2005).

In lieu of laboratory solid/water-derived K_d values, partition coefficients were calculated using metal/metalloid concentrations from REA6 CCR and the average dissolved concentrations recorded in Leachate Dam 3 (LD3) leachate. While K_d s calculated in this fashion may be influenced by external factors (eg rainfall collecting in LD3, evaporation), the acidic nature of LD3 is likely to represent a 'worst case' (ie lowest levels of sorption to solid) for metals/metalloid mobilisation (ie the most conservative case). Values of K_d were calculated for the following analytes:

- aluminium and arsenic, which have amphoteric characteristics and at low pH may be expected to be sorbed to the substrate;
- cobalt, which is reported at 2–4 times the global median soil concentration in the REA6 CCR and is present in relatively high concentrations in REA6 LD3 leachate at Clarence Colliery; and
- manganese, nickel and zinc, which have similar geochemical behaviour to cobalt and may be expected to mobilise in low pH leachate to varying degrees and may be used to assess the increase in cobalt concentrations observed in LD3.

The K_d values for these analytes are presented in Table 2.13.

Table 2.13 **Calculated K_d values for REA6 CCR and LD3 leachate**

Metal/metalloid	K_d (L/kg)
Aluminium	50.5
Arsenic	646
Cobalt	1.93
Manganese	1.17
Nickel	2.24
Zinc	1.59

Aluminium and arsenic have the potential to be strongly sorbed to the solid matrix, as demonstrated by their high partition coefficients (Table 2.13), which may limit the mobility of these metals/metalloids in seepage. Zinc and cobalt may also show limited mobility, whereas manganese has the potential to remain mobilised within the initial seepage (from sources) and subsequent groundwater system. Cobalt, manganese, nickel and zinc are potentially the most mobile metals.

3 Water risk assessment

Any potential pollutants associated with CCR emplacement activities may be able to infiltrate the Shoalhaven aquifer regional aquifer underlying the site (Section 2.3.1). The receptors at risk of potentially receiving these pollutants are down hydraulic gradient landholder bores and Carwell Creek. Nearby landholder bores are known to mostly use groundwater from the Shoalhaven aquifer, while Carwell Creek is considered a moderate potential GDE (BoM 2020). These receptors are discussed in further detail in Section 2.3.6.

The National Water Commission (NWC) mining risk framework (Moran et al 2010) has been adopted for the water risk assessment. The framework uses a source-receptor-pathway analysis that describes how water-affecting activities might impact on sensitive groundwater receptors. For an effect to occur to a sensitive water receptor, an exposure pathway must exist between a water-affecting activity and a receptor. Risks are characterised by making an informed decision as to the potential for adverse effects to arise to sensitive groundwater receptors as a result of mine-related activities.

The impact assessment quantifies the risk from water-affecting activities and involves assessing the actual consequences arising from the water-affecting activities in terms of direct effects (altered water resource condition) and in terms of possible receptor response (such as reduced water access for other users).

The risk assessment provides a basis for communicating risks and identifying the management approach strategies that may be necessary. The environmental monitoring program will continue to collect data and be evaluated. Results of monitoring may be used to review the management measures and approach.

3.1 Direct effects

Direct effects encompass changes to physical and/or quality aspects of groundwater, or the changes to the physical characteristics of aquifers as a result of an activity or change to the existing environment. Examples include, changes in groundwater levels, changes in groundwater chemistry or changes in hydraulic properties of aquifers (Moran et al 2010). The direct affecting activities identified at Charbon, the potential effects and the impact assessment/management approach are summarised in Table 3.1.

3.2 Indirect effects

Indirect effects of water affecting activities are those that arise in response to direct effects and typically relate to the potential for impact on sensitive receptors. The indirect effects of the groundwater affecting activities identified at Charbon are summarised in Table 3.2. The assessment of potential receptor exposure to adverse changes in the groundwater regime (quantity, quality, groundwater and surface water interactions and physical disruption of aquifers) requires the following:

- knowledge of the location of sensitive receptors within the landscape, particularly in relation to the location and area of influence of water affecting activities;
- an understanding of the receptor's reliance on groundwater (eg depth to water table, groundwater flux to baseflow-fed streams, groundwater quality to meet beneficial purposes); and
- an understanding of the spatial and temporal scale of direct groundwater effects at the location of sensitive receptors.

Table 3.1 **Direct groundwater-affecting activities due to Clarence CCR emplacement at Charbon**

Direct effect	Water affecting activity	Potential risk/effect	Potential cause/trigger	Impact assessment/management approach
Quantity	Emplacement of material (onsite overburden and CCR)	Perched water table, seepage, water table mounding.	Increased recharge through emplaced material.	- Minimise water infiltration to emplacement area with an appropriate designed cover material and surface water runoff structures. - Unsaturated modelling to estimate travel time through overburden. - Installation of monitoring bores downgradient of emplacement area.
	Wastewater ponds and water storage	Overtopping of dams (surface water) resulting in discharge event.	Sediment basins are not large enough to store design rainfall events.	Sediment dams designed to have capacity for a design rainfall event.
Quality	Material emplacement for final landform	Acid mine drainage from stockpile areas.	- Clarence CCR has insufficient neutralising material to reduce acid generation - Rainfall infiltration into Charbon emplacement.	- Minimise water infiltration to emplacement area. - Unsaturated modelling and solute transport modelling to estimate contaminate of concern travel time and retardation once in aquifer. - Installation of monitoring bores downgradient of emplacement areas.
		Leaching of solutes to underlying regional aquifer.	- Rainfall infiltration into Charbon emplacement. - A pathway exists from the emplacement areas to the underlying aquifer.	
	Wastewater ponds and water storage	Overtopping of dams (surface water).	Sediment basins are not large enough to store design rainfall events.	- Surface water management to capture runoff from emplacement areas. - Continue water quality monitoring and assess against TARP.

Table 3.2 **Indirect groundwater effects**

Direct effect	Impacted environmental value	Potential effect (source-pathway-receptor)
Quality	Aquatic ecosystems	Rehabilitation may affect quality of water available if: • leachate from rehabilitated landform contaminates regional groundwater aquifer; and • groundwater pathway leads to a discharge area or GDE.
	Irrigation supply	Rehabilitation may affect quality of water available if: • leachate from rehabilitated landform contaminates regional groundwater aquifer; and • groundwater pathway leads to a landholder bore.
	Stock supply	Rehabilitation may affect quality of water available if: • leachate from rehabilitated landform contaminates regional groundwater aquifer; and • groundwater pathway leads to a landholder bore.

4 Impact assessment

4.1 Source-pathway-receptor model

The aim of the impact assessment is to quantify the potential risk of the proposed modification (namely importing Clarence CCR to Charbon and using this material in rehabilitation activities) to cause a change to the existing groundwater and surface water environment.

The construction activities described in Section 1.2.1 (ie hardstand pad, link road, haul road widening and new powerline poles) are not anticipated to have any impacts on the existing groundwater and surface water environment.

The components of the source-pathway-receptor approach are:

- **Source:** the imported CCR from Clarence that has the potential to release pollutants through interactions with water (Section 2.5).
- **Pathway:** any routes linking the source with any receptors, and in which attenuation processes may occur.
- **Receptor:** groundwater (Section 2.3.6) and surface water users (Section 2.4.4), which may be dependent on the presence of groundwater (eg landholder bores) or surface water (eg rivers).

If any of these components are absent from a site setting then negligible risk is posed to the groundwater and surface water environment (Digges La Touche and Culshaw 2010).

4.2 Groundwater pathway modelling

Analytical groundwater methods were used to determine potential impacts to the groundwater system from the proposed CCR emplacement activities. These models considered the 'pathway' portion of the source-pathway-receptor model. The model-types implemented consisted of:

- **1D unsaturated modelling:** estimated the time taken for water at the surface to recharge the regional groundwater system; and
- **Solute transport modelling:** estimated the transport time and quantity of any solutes in the regional aquifer which reach down hydraulic gradient groundwater receptors.

4.2.1 Unsaturated modelling- Hydrus-1D

i Software

Hydrus-1D (Šimůnek et al 2013) was used for the unsaturated seepage flow modelling. This is public domain modelling software for analysis of water flow in variably-saturated porous media. It allows for a highly discretised simulation of water flow in a vertical column, which can be used to produce further inputs to other analytical and/or numerical models.

ii Model domain and discretisation

The model was designed to represent a vertical profile from the ground surface to the water table, with the domain chosen to reflect approximate site conditions at:

- Central Open Cut Box Cut;
- Western Open Cut; and
- 8 Trunk Open Cut.

Given the absence of detailed unsaturated zone hydrogeological properties, and that the water table is inferred to be at least 15 m deep at each of these locations (Section 2.3.1iii), a single model was developed to represent expected average conditions. The model was discretised into vertical node spacings of 1 cm and model cells were then grouped into hydrostratigraphic units for the purpose of assigning hydraulic properties.

iii Modelled hydraulic properties

The van Genuchten model is used to relate volumetric water content of a soil and matric suction pressure, as shown in Equation 3.

$$\theta(\psi) = \theta_r + \frac{\theta_s - \theta_r}{[1 + (\alpha|\psi|)^n]^{1-\frac{1}{n}}} \quad \text{Equation 3}$$

The parameters used are as follows:

- $\theta(\psi)$ is the water retention curve.
- $|\psi|$ is suction pressure.
- θ_r residual water content.
- θ_s saturated water content.
- α related to the inverse of the air entry suction.
- n measure of the pore size distribution.
- K_s saturated hydraulic conductivity.

Parameter values were chosen to fit the van Genuchten model and were used directly as inputs to the Hydrus-1D model, with no history match undertaken.

The modelled hydrostratigraphic units and parameter values are presented in Table 4.1. Surface sediments for the profile were inferred from the Australian Soils Atlas (CSIRO 2000), with properties defined by the Hydrus-1D database. The underlying geology was interpreted to align with an equivalent porous media of either a fine or medium-fine grained sand, for which hydraulic parameter values were applied from Guber & Pachepsky (2010).

Table 4.1 **Modelled hydrostratigraphic units and hydraulic parameter values**

Unit	Depth from (m)	Depth to (m)	θ_r (-)	θ_s (-)	α (1/m)	n (-)	K_s (m/d)
Topsoil (loam)	0	0.3	0.078	0.430	3.60	1.56	0.25
Subsoil (clay loam)	0.3	0.5	0.095	0.410	1.90	1.31	0.06
Fine grained sandstone	0.5	10	0.010	0.481	1.98	1.09	0.1, 0.28, 0.5
Medium-fine grained sandstone	0.5	10	0.010	0.412	0.82	1.22	0.28

iv Boundary conditions

Two types of boundary conditions were employed in the model to represent inflow-to and outflow-from the unsaturated groundwater system. These were:

1. **Specified flux:** At the top of the models a specified flux of water was assigned to represent percolation into the unsaturated zone. Long-term recharge from rainfall is estimated between 6.3 mm/year and 11.3 mm/year (Section 2.3.3) and were simulated as the input flux.
2. **Free drainage:** The bottom of the models were assigned a free drainage boundary condition, allowing water to flow out of the model. The bottom boundary of each model was set at the water table, so flux through this boundary is considered recharge to the groundwater system.

v Initial conditions

Initial conditions were defined through the model domain as field capacity water content.

vi Temporal discretisation

Two stress periods were implemented in each model, with flux at the top of the model representing rainfall percolation, namely:

1. 30,000 days with interpreted flux at field capacity (approximately 5.5 mm/year) for developing stable water content and flux; and
2. 10,000 days with flux at either 11.3 mm/year or 6.3 mm/year representing assumed rainfall-derived recharge.

The intent was to:

- identify the time lag between the change of recharge flux and the response at the water table (ie the time until a change is observed at the bottom of each model); and
- compare lag times to the groundwater residence times between the time once the source recharges the water table and arrival times at the identified receptors (Section 4.2.2).

Six model scenarios were prepared representing a range of possible hydraulic parameters and recharge fluxes. The scenarios are detailed in Table 4.2. Flux out of the base of each model was monitored for an increase following input at the surface and the time difference recorded for each. The models suggest a lag time of between 4.2 and 9.9 years between the proposed CCR emplacement areas and the water table.

Table 4.2 Model scenario definition and results

Run	K _s (m/d)	Recharge (mm/yr)	Equivalent porous media	Time for recharge to reach water table (years)
Charbon_low_ksat	0.10	11.3	Fine	7
Charbon_mid_ksat	0.28	11.3	Fine	6
Charbon_high_ksat	0.50	11.3	Fine	4
Charbon_mid_ksat_low_rch	0.28	6.3	Fine	9
Charbon_mid_ksat_medfine	0.28	11.3	Medium Fine	5
Charbon_low_ksat_low_rch	0.10	6.3	Fine	10

4.2.2 1D analytical solute transport model

1D analytical solute transport models were used to assess the migration towards groundwater receptors of dissolved contaminant species that may be generated during CCR emplacement activities as part of the proposed modification.

To model a ‘worst-case’ scenario, the dissolved contaminant species were assumed to be present at all of the emplacement areas and would dissolve in percolating water (ie rainfall and/or emplacement seepage). This is a theoretical worst-case scenario, as the Clarence CCR material is considered to be no worse in quality (ie concentration of metals and acid generation potential) than the material on-site at Charbon currently being used for rehabilitation, and only certain samples show indications of AMD.

Solute transport models were developed and run using the *Remedial Targets Worksheet V3.2*, published by the UK Environment Agency (2013). The spreadsheet-based model is used to estimate the concentrations of solutes in groundwater down hydraulic gradient of a source. In this case, the potential concentration of solutes arriving at the groundwater receptors was modelled over time.

The assumptions for the model are:

- the plume of solutes is assumed to be a static source with a constant thickness that occurs in the regional aquifer directly below the potential seepage source;
- all emplacement areas are assumed to generate or contain the solutes of interest; however, the actual presence of any solutes in these areas during emplacement is predicted to be limited; and
- the aquifer dispersivity values were estimated using the Xu and Eckstein (1995) method.

The concentrations of these dissolved species at the proposed CCR emplacement areas are assumed to be higher than in the native, down hydraulic gradient groundwater. Concentration of solutes would therefore decrease along the groundwater flow path due to dispersion, sorption and reactions within the aquifer, thus the concentration arriving at the groundwater receptors would be a fraction of the concentration at the source.

Two different model scenarios have been considered, one considering an ideal solute that encounters no impedance to movement and another scenario which considers a more realistic, adsorptive solute. For the ideal solute, effects of adsorption and chemical reactions have been ignored, meaning the model only estimates movement of the solute due to advection (movement with groundwater flow) and dispersion. The adsorptive solute models consider the effects of adsorption during solute transport.

The closest receptor to any of the proposed CCR emplacement areas is landholder bore GW800781, approximately 0.9 km from the Western Open Cut and 8 Trunk Open Cut (Figure 2.6). The furthest receptor is GW804127, approximately 7.9 km from the 8 Trunk Open Cut (Figure 2.6). Carwell Creek is approximately 3.2 km from the Western Open Cut at its closest point (Figure 2.6). Therefore, to cover the range of landholder bores, as well as Carwell Creek, receptor distances of 0.9 km, 3.2 km and 7.9 km have been adopted for the modelling.

i Ideal solute modelling (no adsorption)

Parameters used for the ideal solute transport models are summarised in Table 4.3. This modelling considers three different scenarios for receptor distance, three values for hydraulic conductivity and two different porosity values to cover a range of possible scenarios.

Table 4.3 Parameters adopted for ideal solute transport modelling

Parameter	Unit	Value	Source of parameter value
Width of plume in aquifer perpendicular to groundwater flow	m	1700	Width of largest emplacement area (8 Trunk Open Cut), perpendicular to groundwater flow.
Plume thickness at source	m	1	A conservative value of 1 m was assumed.
Saturated aquifer thickness	m	62	Average thickness of the saturated sandstone aquifer at PB2 and PB3.
Effective porosity of aquifer	-	0.1, 0.3	Two different values were modelled to determine the model sensitivity to effective porosity. These values were chosen as they are typical of a fine sand (Wiedemeier et al. 1999), which was determined to be an equivalent medium in Section 4.2.1.
Hydraulic gradient	-	0.033, 0.0094, 0.0087	Calculated from the estimated groundwater elevation at the emplacement areas and each of the receptors (GW800781, Carwell Creek and GW804127 respectively).
Hydraulic conductivity of aquifer	m/day	0.10, 0.28, 0.50	Obtained from analysis of pumping test data from PB2 and PB3 (Section 2.3.4). Due to the differing results from each bore low, high and average hydraulic conductivity values have been used.
Distance to compliance point	m	900, 3200, 7900	The smallest and furthest distances between an emplacement area and a landholder bore, as well as the shortest distance from an emplacement area to Carwell Creek.
Partition coefficient	l/kg	0	A partition coefficient of 0 assumes no adsorption of solutes within the aquifer, ie conservative solute is modelled.
Longitudinal dispersivity	m	11.3, 17.1, 22.1	Estimated using the Xu and Eckstein (1995) method. Higher dispersivity values correspond to the higher compliance point distances.

Table 4.3 Parameters adopted for ideal solute transport modelling

Parameter	Unit	Value	Source of parameter value
Transverse dispersivity	m	1.13, 1.71, 2.21	Estimated using the Xu and Eckstein (1995) method. Higher dispersivity values correspond to the higher compliance point distances and is assumed to be 10% of the longitudinal dispersivity.
Vertical dispersivity	m	0.113, 0.171, 0.221	Estimated using the Xu and Eckstein (1995) method. Higher dispersivity values correspond to the higher compliance point distances and is assumed to be 10% of the transverse dispersivity.

a Results

Results of the solute modelling are presented in Table 4.4 and shown on Figure 4.1 and Figure 4.2 (closest receptor - GW800781), Figure 4.3 and Figure 4.4 (furthest receptor - GW804127) and Figure 4.5 and Figure 4.6 (Carwell Creek). Due to the sensitivity of the results based on the assumed porosity, separate figures for the upper and lower porosity values are shown for each receptor for varying hydraulic conductivity values.

These results ignore the lag times associated with seepage as discussed in Section 4.2.1 (between the emplacement areas and the water table) and are discussed holistically in Section 4.3.1.

Table 4.4 Solute modelling results (non- adsorptive)

Name	Distance (m)	Porosity	Time (years)	Equilibrium (years)	% source concentration at receptor
GW800781	900	0.1	10–40	25–120	5.6%
		0.3	30–120	75–360	
GW804127	7,900	0.1	340–1,700	600–3,000	1.3%
		0.3	1,000–51,000	1,800–9,000	
Carwell Creek	3,200	0.1	120–600	260–1,300	2.4%
		0.3	360–1,800	780–3,900	

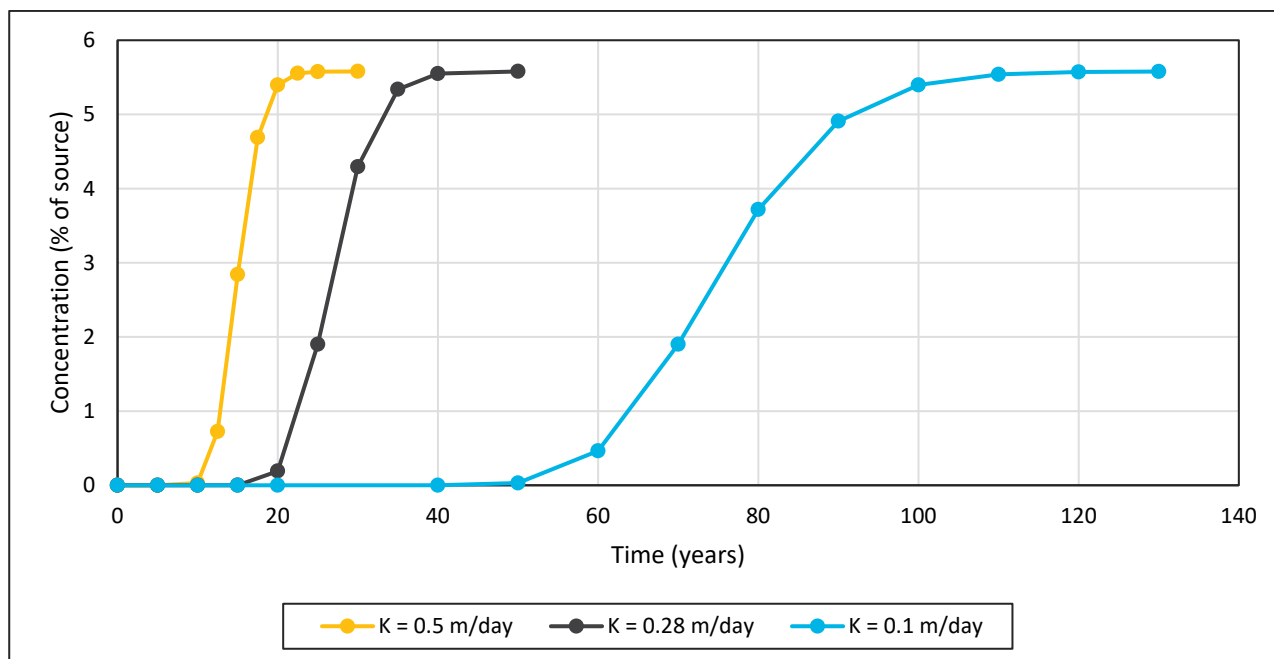


Figure 4.1 Solute transport modelling results with an effective porosity of 0.1 (closest receptor)

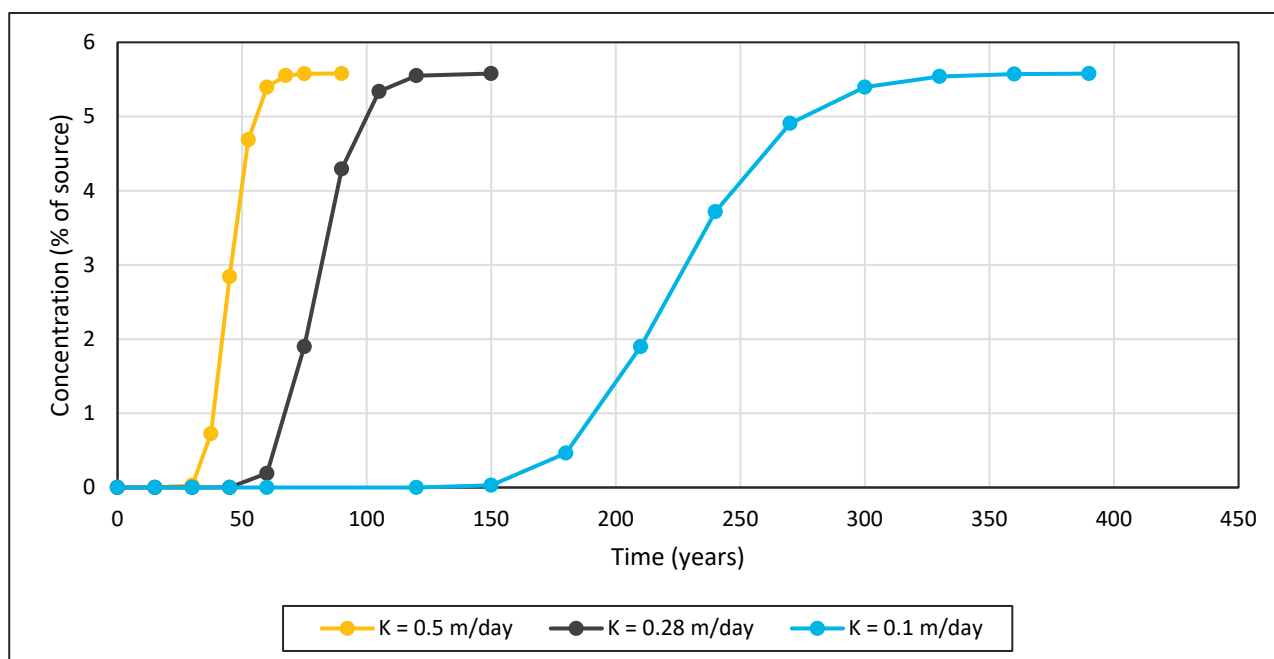


Figure 4.2 Solute transport modelling results with an effective porosity of 0.3 (closest receptor)

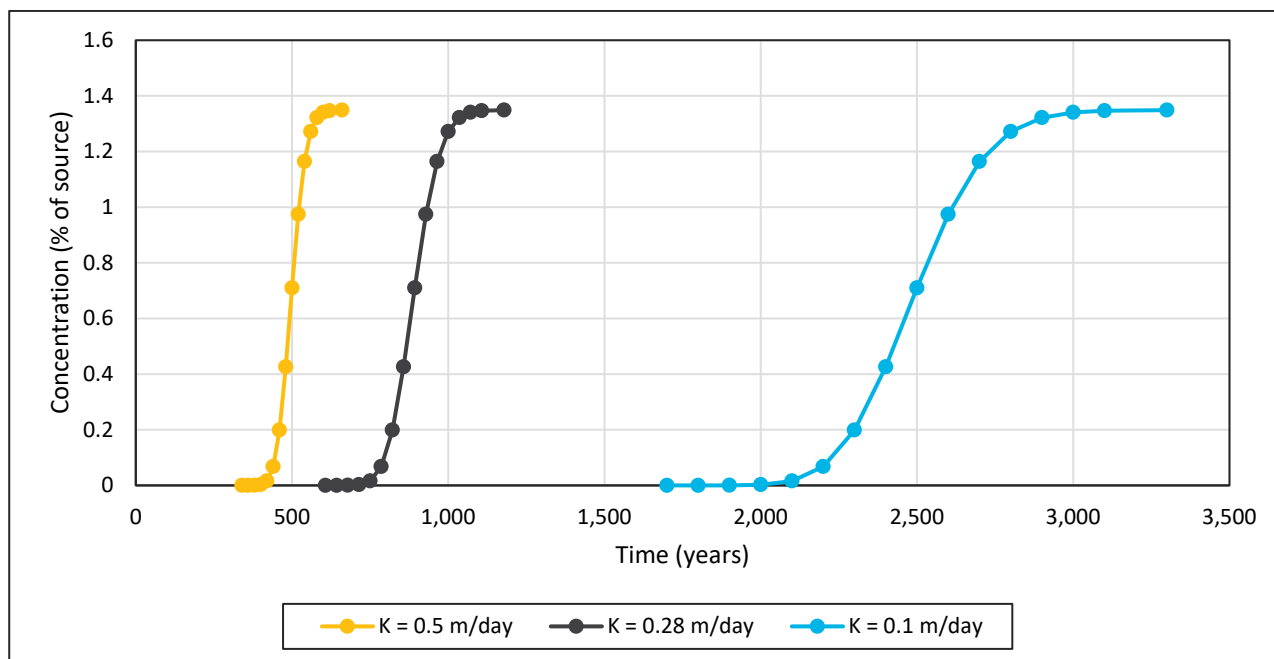


Figure 4.3 Solute transport modelling results with an effective porosity of 0.1 (furthest receptor)

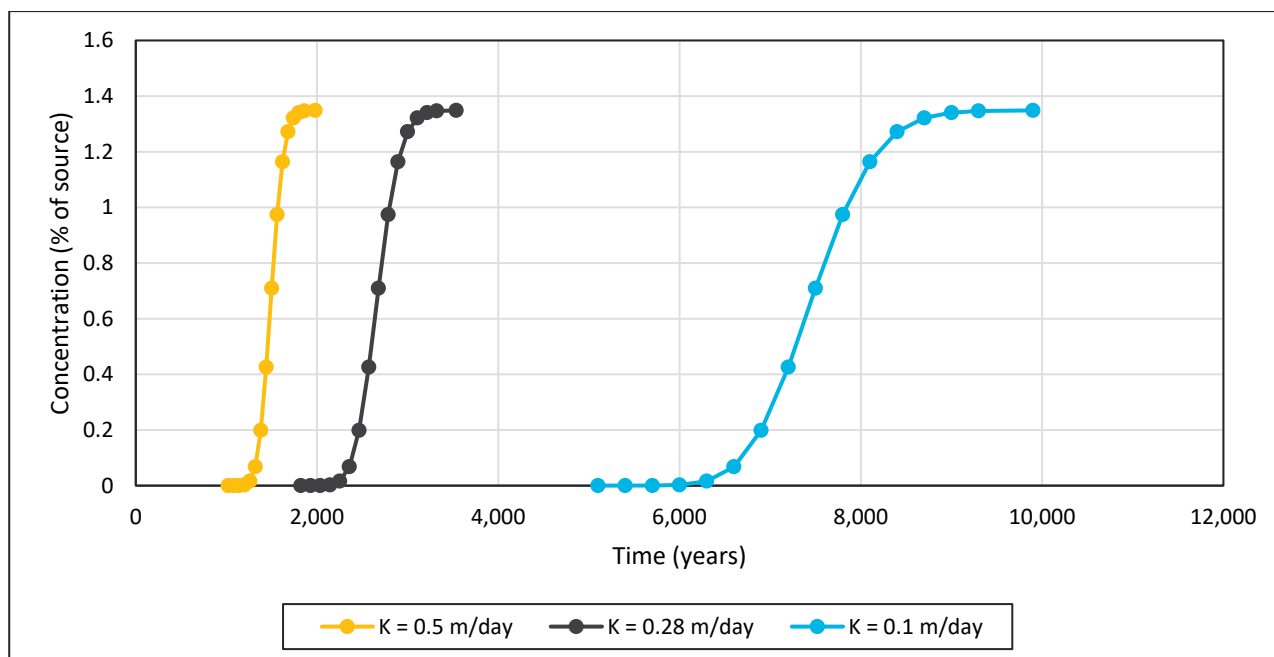


Figure 4.4 Solute transport modelling results with an effective porosity of 0.3 (furthest receptor)

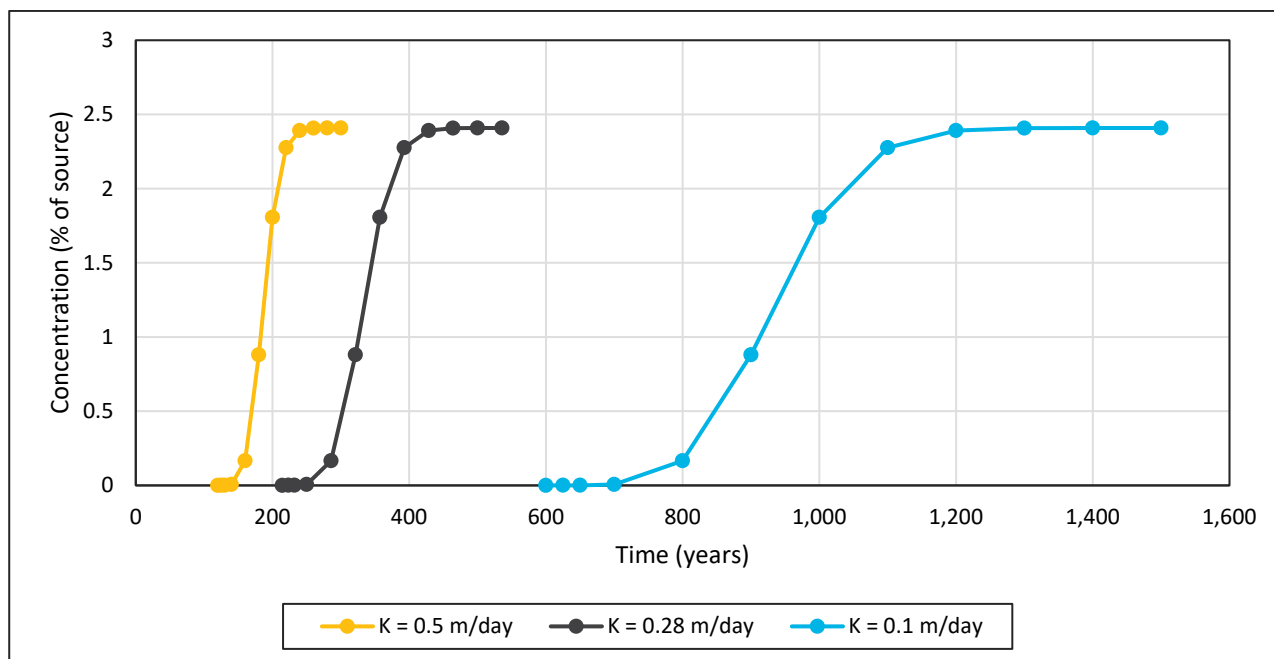


Figure 4.5 Solute transport modelling results with an effective porosity of 0.1 (Carwell Creek)

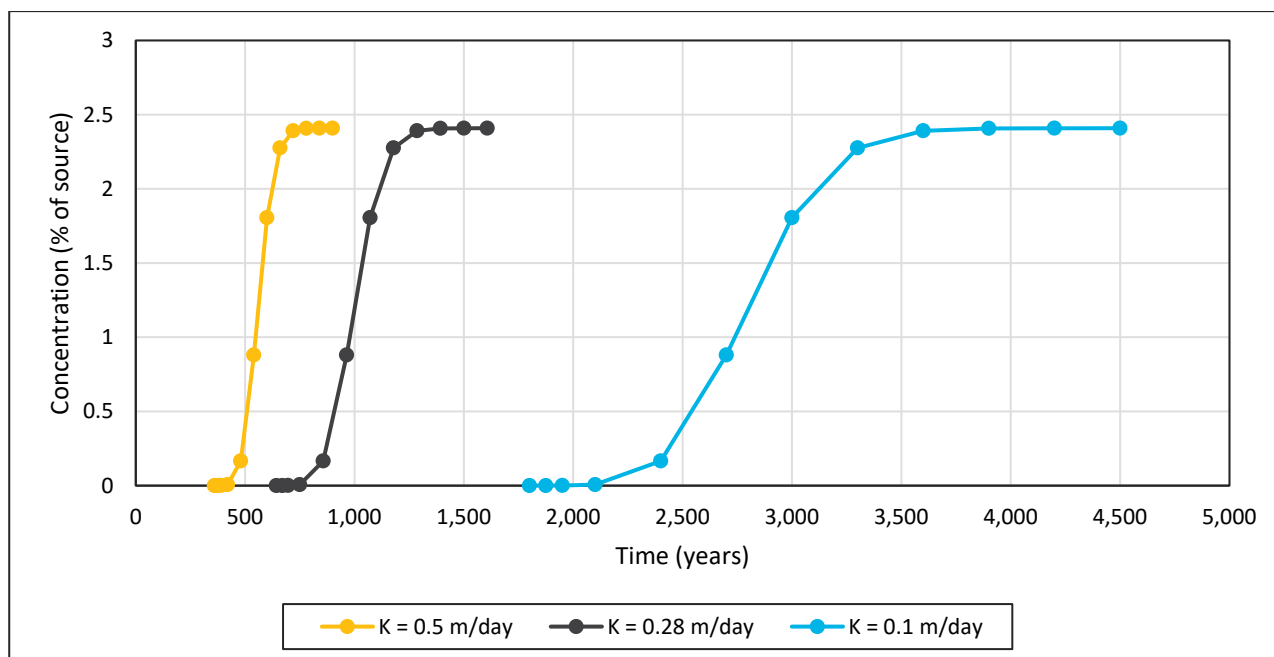


Figure 4.6 Solute transport modelling results with an effective porosity of 0.3 (Carwell Creek)

ii Adsorptive solute modelling

The parameters used for the adsorptive solute transport models are summarised in Table 4.5. This modelling uses the same three scenarios for receptor distance as modelled previously but uses base case values for hydraulic conductivity (0.28 m/d) and effective porosity (20%).

The partition coefficients used in the models were obtained using a ‘worst-case scenario’ leachate which had the same water quality parameters as the water found in LD3. As discussed in Chapter 2.5, this dam water is reporting AMD and hence the water will contain higher levels of dissolved metals than a neutral leachate.

Six metals were investigated with the modelling (aluminium, arsenic, cobalt, manganese, nickel and zinc). These metals were selected due to the relatively high levels of solubility reported and their potential environmental effects.

Table 4.5 Parameters adopted for adsorptive solute transport modelling

Parameter	Unit	Value(s)	Source of parameter value
Width of plume in aquifer perpendicular to groundwater flow	m	1,700	Width of largest emplacement area (8 Trunk Open Cut), perpendicular to groundwater flow.
Plume thickness at source	m	1	A conservative value of 1 m was assumed.
Saturated aquifer thickness	m	62	Average thickness of the saturated sandstone aquifer at PB2 and PB3.
Bulk density of aquifer material	g/cm ³	2.3	Average bulk density value for sandstone (Wiedemeier et al 1999).
Effective porosity of aquifer	-	0.2	Median value typical of a fine sand (Wiedemeier et al 1999), which was determined to be an equivalent medium in Section 4.2.1.
Hydraulic gradient	-	0.033, 0.0094, 0.0087	Calculated from the estimated groundwater elevation at the proposed CCR emplacement areas and each of the receptors (GW800781, Carwell Creek and GW804127, respectively).
Hydraulic conductivity of aquifer	m/day	0.28	Obtained from analysis of pumping test data from PB2 and PB3 (Section 2.3.4).
Distance to compliance point	m	900, 3,200, 7,900	The smallest and furthest distances between a proposed CCR emplacement area and a landholder bore, as well as the shortest distance to Carwell Creek.
Partition coefficient	l/kg	Aluminium: 50.5 Arsenic: 646 Cobalt: 1.93 Manganese: 1.17 Nickel: 2.24 Zinc: 1.59	Median values generated when leaching Clarence CCR from REA6 material samples with LD3 water (Section 2.5.2).
Longitudinal dispersivity	m	11.3, 17.1, 22.1	Estimated using the Xu and Eckstein (1995) method. Higher dispersivity values correspond to the higher compliance point distances.
Transverse dispersivity	m	1.13, 1.71, 2.21	Estimated using the Xu and Eckstein (1995) method. Higher dispersivity values correspond to the higher compliance point distances and is assumed to be 10% of the longitudinal dispersivity.

Table 4.5 Parameters adopted for adsorptive solute transport modelling

Parameter	Unit	Value(s)	Source of parameter value
Vertical dispersivity	m	0.113, 0.171, 0.221	Estimated using the Xu and Eckstein (1995) method. Higher dispersivity values correspond to the higher compliance point distances and is assumed to be 10% of the transverse dispersivity.

Results of the adsorptive modelling, showing the concentration of each metal (as a percentage of the source concentration) at the three different receptors over time, are displayed in Figure 4.7 to Figure 4.12. The key results are summarised in Table 4.6.

These results show the same equilibrium concentration results as observed for the ideal solute models, which is expected as adsorption of the solutes within the aquifer will only slow transport and not reduce the concentrations. The time taken for the solutes to first reach the aquifer and to later reach the equilibrium concentration is the only difference between the ideal and adsorptive solute models.

Cobalt, manganese, nickel and zinc are all modelled to arrive at the receptors much faster than aluminium and arsenic, suggesting that they are less affected by adsorption along the flow path. Even so, none of the metals are predicted to arrive to the closest receptor within at least 400 years. Carwell Creek and the furthest receptor have longer estimated minimum transport times of 6,000 and 17,000 years, respectively.

Table 4.6 Summary of adsorptive modelling results

Metal	Time for solute to reach the receptor (years)		
	Closest receptor (GW800781)	Carwell Creek	Furthest receptor (GW804127)
Aluminium	13,000	250,000	700,000
Arsenic	200,000	3,000,000	9,500,000
Cobalt	600	9,000	28,000
Manganese	400	6,000	17,000
Nickel	600	11,000	33,000
Zinc	500	8,000	23,000
Metal	Time for solute to reach equilibrium concentration (years)		
	Closest receptor (GW800781)	Carwell Creek	Furthest receptor (GW804127)
Aluminium	50,000	600,000	1,300,000
Arsenic	700,000	7,000,000	17,000,000
Cobalt	2,000	21,000	50,000
Manganese	1,300	14,000	32,000
Nickel	2,300	25,000	60,000
Zinc	1,700	18,000	43,000
Equilibrium concentration (% of source)	5.6	2.4	1.3

a Closest receptor (GW800781)

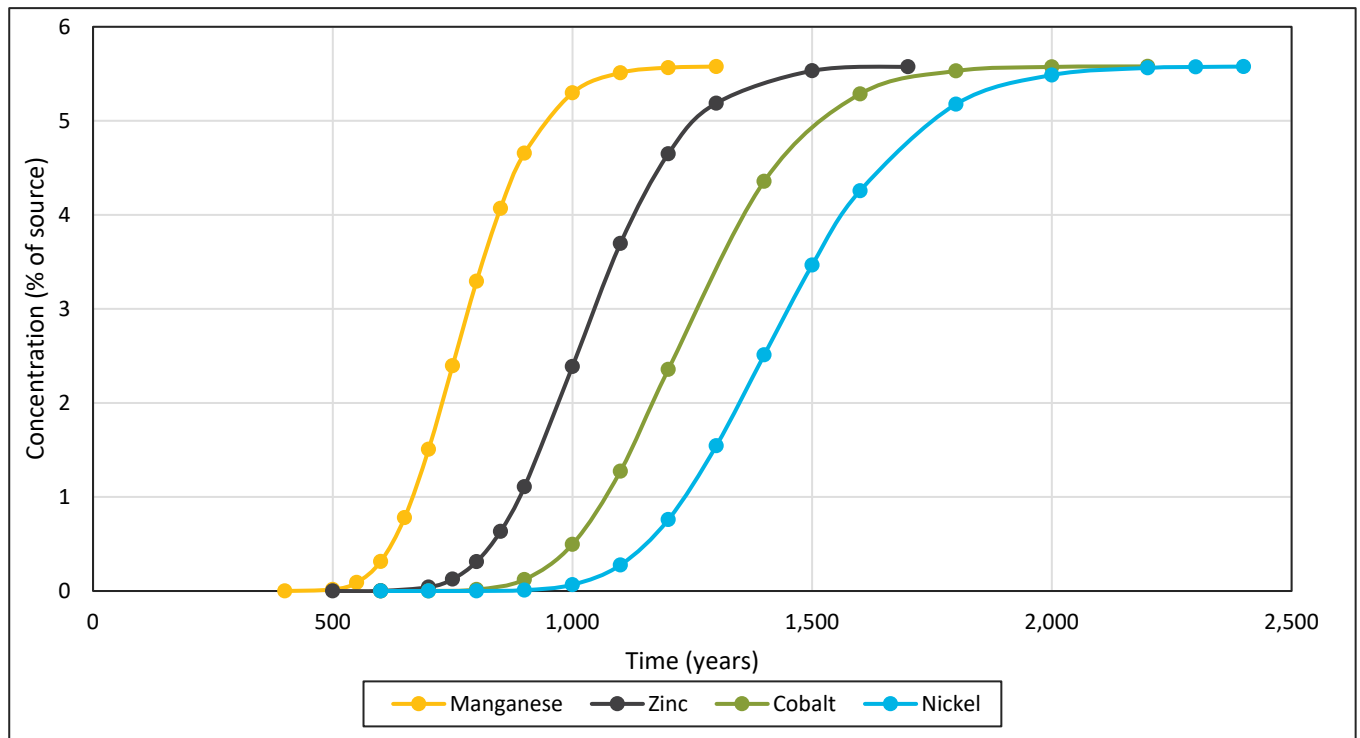


Figure 4.7 Adsorptive solute transport modelling results (closest receptor)

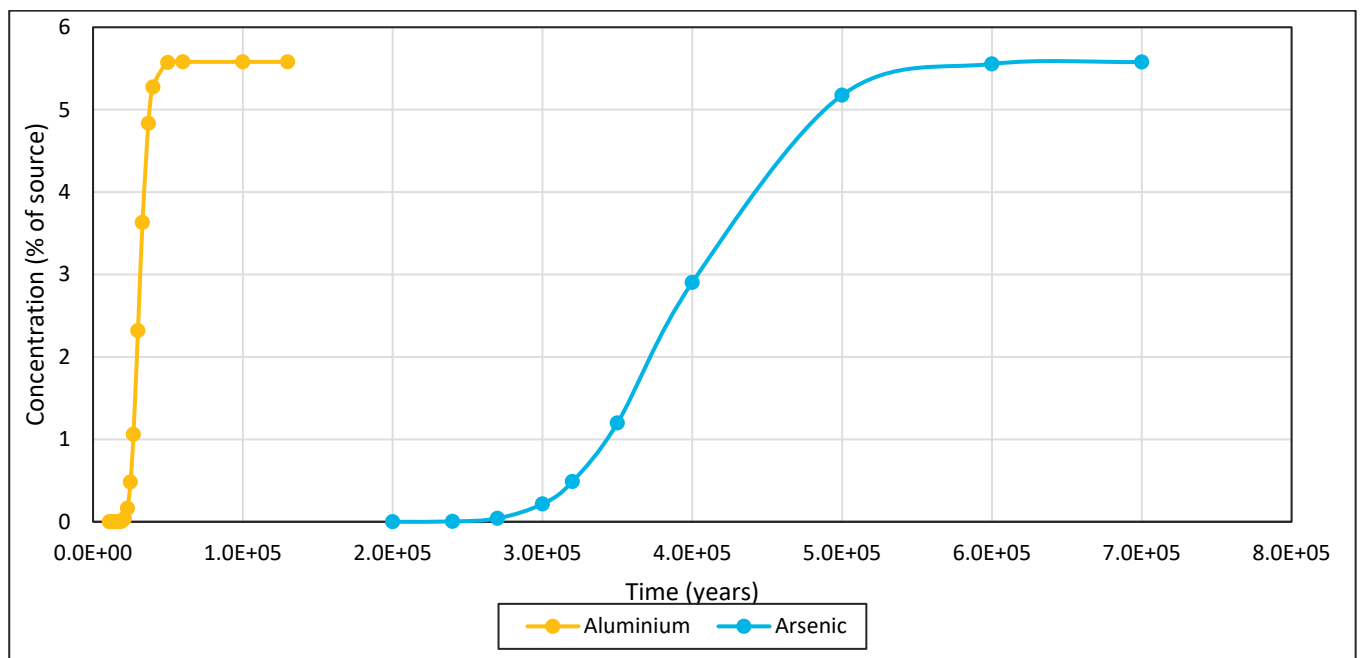


Figure 4.8 Adsorptive solute transport modelling results (closest receptor)

b Furthest receptor (GW804127)

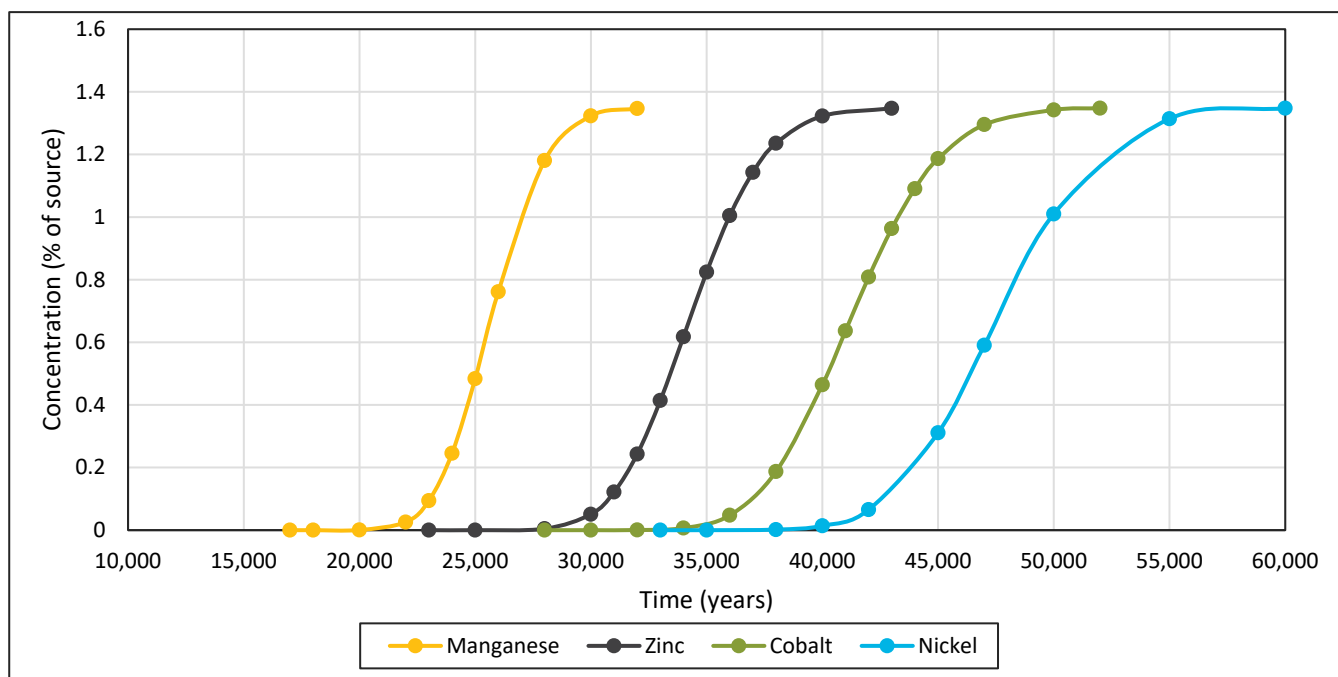


Figure 4.9 Adsorptive solute transport modelling results (furthest receptor)

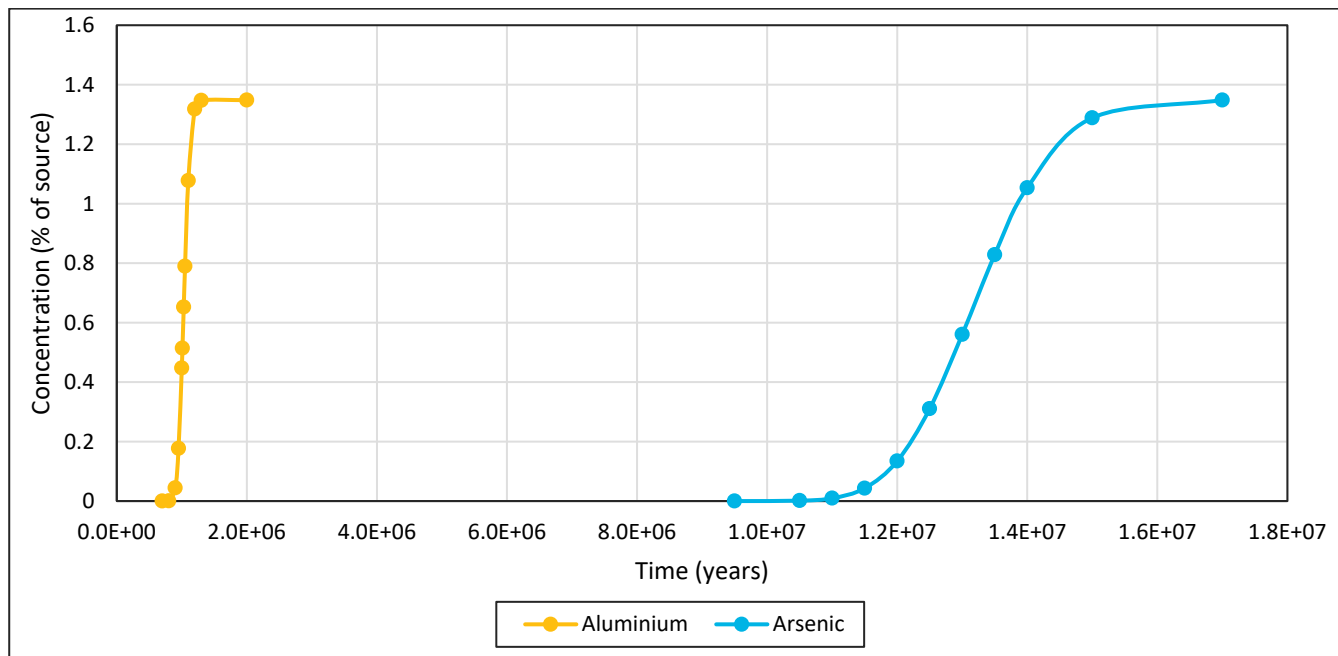


Figure 4.10 Adsorptive solute transport modelling results (furthest receptor)

c Carwell Creek

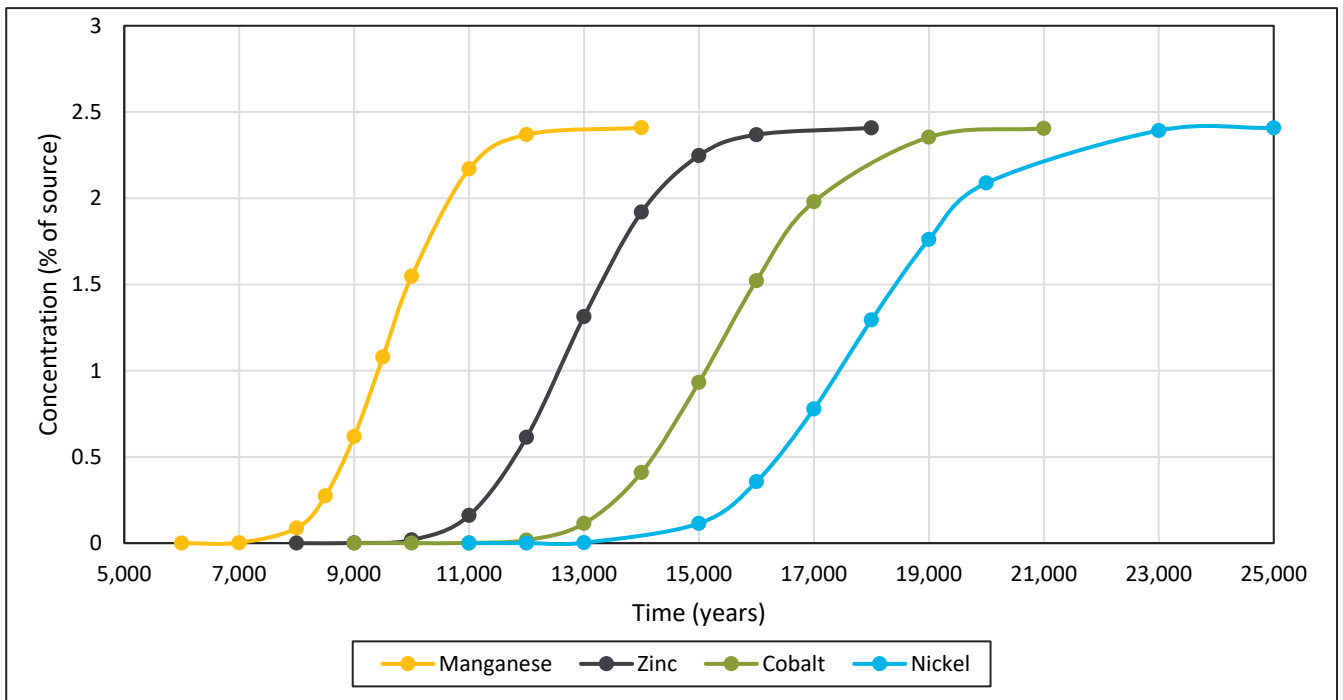


Figure 4.11 Adsorptive solute transport modelling results (Carwell Creek)

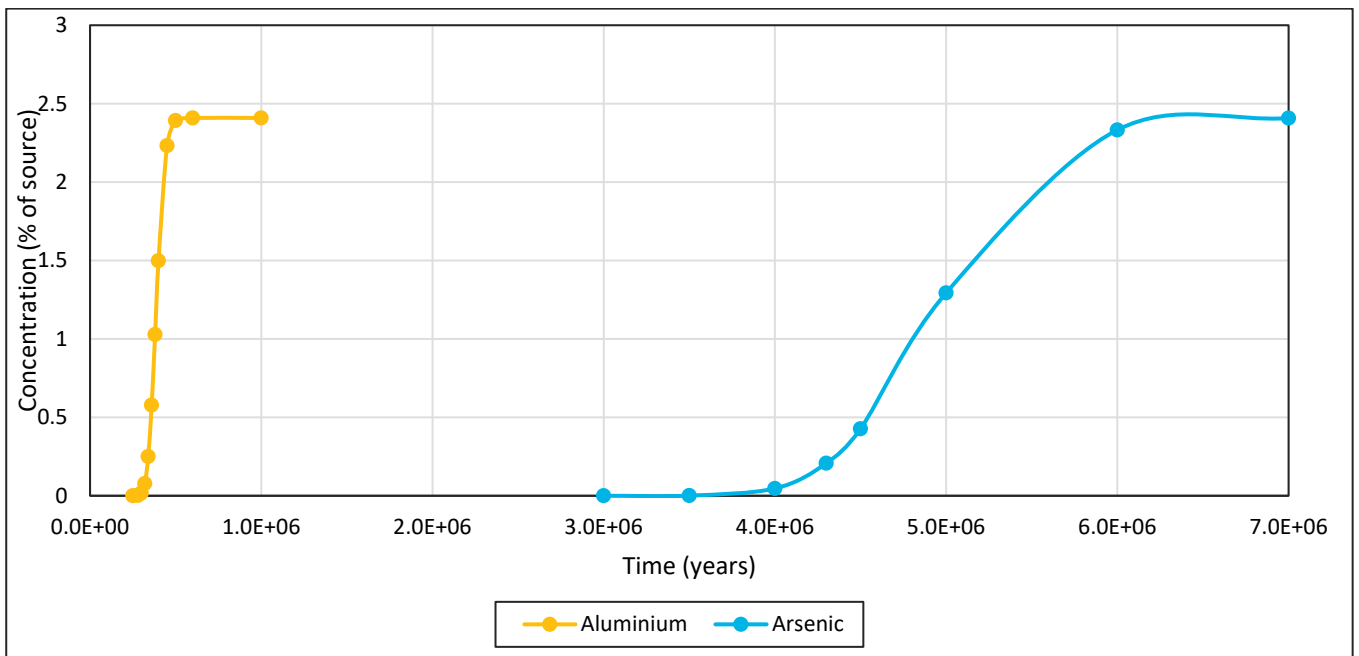


Figure 4.12 Adsorptive solute transport modelling results (Carwell Creek)

iii Solute concentrations

To determine if any impacts to the beneficial use of groundwater at receptors close to Charbon may occur as a result of the proposed modification, the concentrations of any potential contaminants arriving at the receptors have been calculated. The non-adsorptive and adsorptive modelling undertaken has demonstrated that distance is the only parameter which effects the concentration of solute arriving at the receptor, while hydraulic conductivity, porosity and partition coefficient have no effect. The modelling approximates that, the equilibrium concentration of a solute reaching the closest receptor (GW800781) will be approximately 5.6% of the source concentration, and that the equilibrium concentration achieved decreases for receptors which are farther from the source.

Equilibrium solute concentrations at the closest receptor have been calculated for each of the metal/metalloids based on leachate concentrations from Clarence's LD3, which represents the worst-case scenario, and are presented in Table 4.7. In addition, the solute concentrations have also been calculated based on leachate concentrations from Charbon's Main REA (MREA) and Northern REA (NREA) which were determined by Environmental Geochemistry International (2018) and represent more realistic cases. The calculated solute concentrations have been compared to regional groundwater quality from bores PB2 and PB3, as well as the ANZECC (2000) long-term irrigation guidelines due to the prevalence of groundwater being used for this purpose in the vicinity of Charbon. The comparison values are presented in Table 2.9.

Only the closest receptor has been considered for this assessment as the maximum solute concentrations, and therefore the maximum potential impacts, will be observed here.

Table 4.7 Equilibrium solute concentrations at the closest receptor (GW800781)

Analyte	Clarence LD3 median source concentration (mg/L)	Clarence LD3 receptor concentration (mg/L)	Charbon MREA median source concentration (mg/L)	Charbon MREA receptor concentration (mg/L)	Charbon NREA median source concentration (mg/L)	Charbon NREA receptor concentration (mg/L)
Aluminium	21.4	1.2	9.1	0.5	0.01	0.0006
Arsenic	0.005	0.0002	0.001	0.00006	0.001	0.00006
Cobalt	11.9	0.7	0.03	0.002	0.0015	0.00008
Manganese	102	5.7	17.1	1.0	2.4	0.1
Nickel	30.0	1.7	0.10	0.006	0.01	0.0006
Zinc	18.9	1.1	1.8	0.1	0.04	0.002

Note: Bolded receptor concentration values exceed the long-term irrigation (ANZECC 2000) guidelines.

Table 4.7 indicates that if the worst-case scenario is realised, cobalt, manganese and nickel concentrations exceeding the long-term irrigation guidelines (ANZECC 2000) will be observed at the closest receptor when equilibrium concentrations are reached. If the MREA leachate is used, only manganese is approximated to be above the DVG, while no approximated metal value are above the long-term irrigation DVG when assuming the NREA leachate as the source.

It is noted from Table 2.9 that the regional groundwater is naturally high in manganese at levels approximately 50 times the long-term irrigation DVG. Therefore, an increase in groundwater manganese concentrations as a result of the proposed modification may not represent an impact to the beneficial use of groundwater at the receptors close to Charbon.

These results of the first pass screening 1D solute transport modelling, demonstrate that a risk to the beneficial use of groundwater at nearby receptors exists as a result of the proposed modification, but that impacts are unlikely to occur unless the worst-case scenario is realised. Impacts are considered unlikely due to the number of conservative assumptions made throughout the modelling process, including:

- straight line distances were used to determine the length of the flow path between emplacement areas and receptor. Groundwater will likely not flow in a straight line between the two points and therefore will travel a longer distance than modelled, resulting in lower solute concentrations at the receptor;
- conservative parameters were used for the modelling, such as assuming the width of the source perpendicular to flow was the largest cross-sectional width of the widest emplacement area (the 8 Trunk Open Cut) in all cases;
- the source is assumed to be static (not dissipating over time), which assumes that new solutes are constantly entering the groundwater system; and
- chemical reactions which could reduce the concentration of the solutes in the groundwater were not modelled, which effectively assumes the aquifer has no buffering capacity.

4.3 Potential impacts

4.3.1 Groundwater

The 1D unsaturated modelling has estimated water at the surface will take between four and ten years to reach the regional groundwater system, with higher modelled rainfall recharge, hydraulic conductivity and porosity leading to shorter infiltration times. The modelling assumes:

- the plume of solutes is assumed to be a static source with a constant thickness that occurs in the regional aquifer directly below the potential seepage source; and
- all emplacement areas are assumed to generate or contain the solutes of interest; however, the actual presence of any solutes in these areas during emplacement is predicted to be limited.

The ideal solute transport modelling determined that solutes could travel 0.9 km (the shortest distance between one of the proposed CCR emplacement areas and an identified, down hydraulic gradient, groundwater receptor) in between 10 and 120 years. Higher modelled hydraulic conductivity and lower effective porosity lead to faster transport times.

The estimated concentration reaching the receptor is approximately 5.6% of the source concentration in all modelled scenarios, assuming no reactions along the flow path which would further lower the concentration. Using the lower end estimates from both models, a conservative, worst-case scenario (ie reaching the receptor in the shortest time), results in solutes from the 8 Trunk Open Cut reaching GW800781 after 14 years and an equilibrium concentration after approximately 26 years.

Due to the assumptions made and the parameters selected, the ideal solute modelling that has been undertaken is very conservative.

Adsorptive modelling was also undertaken, which presents more realistic estimates of transport time for some metals of interest. These results found that even transport to the closest receptor would take at least 400 years, with the equilibrium concentration taking at least 1,300 years to reach. The solute concentrations have also been calculated based on leachate concentrations from Charbon's MREA and NREA which were determined by Environmental Geochemistry International (2018) and represent more realistic cases and are presented in Table 4.7.

As demonstrated in Section 2.5, the CCR material from Clarence is comparable to existing overburden material available on-site at Charbon. In addition, the large transport times modelled and the small percentage of solute reaching the receptors, indicate that the risk of heavy metals and other contaminants being transported to and discharged at the groundwater receptors as a result of the proposed modification is low.

The beneficial use of groundwater at receptors close to Charbon is therefore not expected to decrease as a result of the proposed modification.

4.3.2 Surface water

The potential surface water impacts of the proposed hardstand, link road and haul road widening as well as the proposed CCR emplacement activities have been assessed with reference to Charbon's existing surface water management system and downstream surface water environment.

i Surface infrastructure

The proposed hardstand will be within the rail loop to the north of the ROM coal stockpile and CHPP (Figure 1.2). Runoff from this area is currently managed through CHPP Dams 1, 2 and 3, a series of cascading dams that drain to Licensed Discharge Point (LDP) 4 Discharge Dam and discharge to Reedy Creek. Water stored in CHPP Dam 3 is extracted for export to Airly Mine.

The link road will be along the toe of the MREA (Figure 1.2), with proposed construction and development activities having potential to interact with the REA surface water diversions draining to CHPP Dam 1 and LDP4 Discharge Dam.

The haul road widening works (Figure 1.2) have potential to interact with natural surface water drainage systems as well as components of Charbon's surface water management system, including:

- LDP5 retention dams and drainage pathways;
- upper reaches of Rileys Creek;
- Area 2 sediment dams and the Trunk Haul Road Sediment Dam; and
- LDP2 sediment dams and LDP2 Discharge Dam.

The 11-kV transmission line will replace an existing powerline that provides electricity to the pump station and will be rerouted away from the proposed hardstand pad. The location of this infrastructure will be confirmed during detailed design.

Disturbance activities will be managed in accordance with the approach and guidelines outlined in the *Western Operations - Regional Water Management Plan* (GHD 2016).

ii Emplacement activities

The existing surface water management system for Charbon is shown in Figure 2.8. The Central Open Cut Box Cut emplacement area covers the upper and lower stacker sediment dams, LDP5 Retention Dam 1 and associated surface water management systems. This area is at the upstream end of the LDP5 surface water management system which discharges to Reedy Creek downstream of the LDP5 Discharge Dam.

The Western Open Cut emplacement area is upslope of the hardstand sediment and transfer dams which form part of the actively managed (pipeline connected) surface water system linked to the LDP2 water dams and ultimately releases to Rileys Creek.

The 8 Trunk Open Cut emplacement area covers the 8 Trunk open cut void cells 1 and 2 and associated surface water drainage to the 8 Trunk haul road and LDP2 transfer dam, to the north, and the surface water drainage system and dams upstream of the LDP3 Discharge Dam, to the south, which ultimately provides controlled releases to Rileys Creek.

iii Potential impacts

The proposed modification has potential to change surface water quantity and/or quality because of changes in surface conditions and ground disturbance and construction activities. It is noted that surface water quantity impacts may include changes to runoff rates and/or changes in runoff volumes.

Construction and operational activities, physical changes to local land cover and materials stored within the hardstand area have the potential to impact surface runoff. Identified water management risks include:

- contamination of surface runoff due to construction activities;
- increased runoff volumes and discharge rates due to increased local impermeable areas;
- increased concentrations and loads of suspended solids and other contaminants mobilised in runoff from the hardstand and road developments; and
- potential for contamination of receiving waters due to accidental leaks or spills.

Controls are required for surface runoff and stormwater to:

- minimise the risk of contamination of stormwater from construction and operational activities;
- manage stormwater runoff from the hardstand area and road development and upslope clean water areas reporting to stormwater management system receptors detailed in Section 2.4; and
- contain accidental leaks or spills.

With respect to the proposed use of Clarence CCR for ongoing rehabilitation activities, any modifications or change in impacts to the surface water system are only expected to occur if there is a significant change in the hydrological properties and characteristics of the Clarence CCR material when compared to existing material from Charbon being used in rehabilitation.

It is assumed that the emplacement and rehabilitation process and final landform design will remain unchanged from that which is approved under SSD 08_0211 and the MOP.

The management and mitigation of potential surface water impacts as a result of the emplacement of Clarence CCR at Charbon should remain consistent with the principles of the WMP. Surface water monitoring, trigger values and performance criteria for Charbon are outlined in Section 5.4.3.

5 Management approach

5.1 Overview

This chapter describes the proposed approach to:

- manage CCR material being emplaced in the areas for rehabilitation;
- manage rehabilitation activities;
- conduct groundwater monitoring; and
- manage surface water runoff across the site.

Management categories are used to describe each unique aspect that will need to be managed as part of ongoing rehabilitation activities at Charbon (Table 5.1). A description of the proposed management approach, mitigation measures and monitoring are provided for each category.

Table 5.1 Management categories

Category	Description	Section reference
Rehabilitation	Describes the proposed approach for rehabilitation at Charbon.	Section 5.2
Clarence CCR imported material	Describes the proposed approach to manage CCR material from Clarence at Charbon.	Section 5.3
Groundwater	Describes existing and proposed groundwater monitoring and management.	Section 5.4
Surface water	Describes surface water management in place at Charbon.	Section 5.5

5.2 Rehabilitation design

The LD3 water quality monitoring suggests that REA6 CCR should be treated as PAF material and may be treated as recommended by LAMAC (2018) and EGi (2018). Comparison of the geochemical characteristics of materials at Charbon and Clarence supports the requirement for the rehabilitation strategies at Charbon to contain adequate mitigation and management measures to manage AMD in order to prevent potential adverse impacts on the receiving environment.

The rehabilitation design proposed by Centennial (2020) is a combination of the design principles for MREA and NREA and the characteristics of the void spaces at Charbon (ie Western Open Cut, 8 Trunk Open Cut and Central Open Cut Box Cut). It also considers the geochemical characteristics of Clarence CCR material to be placed in the voids. The final landform at Charbon will be representative of existing landforms within and adjacent to the site. The areas proposed to receive Clarence CCR will be 'water shedding' as they are all hillside rehabilitation landforms.

A deep multi-layer moderate hydraulic conductivity cover will be developed on the sloping landforms with store-and-release characteristics, that will allow plant establishment and growth, while minimising deep-drainage (potential AMD seepage) and mitigating upward migration of soluble salts. The deep multi-layer cover will be 3-m-thick and will consist of a 2.5 m benign overburden layer (average thickness) followed by approximately 0.5 m of Southern Open Cut resistant overburden cladding. This cover will be adopted at areas to be rehabilitated with Clarence CCR (Centennial 2020).

5.3 Imported material

As described in Section 2.5 and the geochemical assessment report (Appendix G of the modification report), CCR from Clarence will be treated as PAF. Clarence CCR material imported to Charbon will be actively managed to minimise the risk of AMD to the receiving environment.

Management of Clarence CCR will occur either as it is being excavated (ie CCR from REA6) or as it is generated during material handling and processing activities at Clarence's CHPP (ie CCR from Clarence's production stream).

Material will be sampled, screened and treated accordingly. If PAF material is identified, it will be treated with the addition of buffering capacity, in the form of limestone. Field testing and limestone addition rates will be estimated in situ as follows:

- field testing of pH (pH_f), hydrogen peroxide pH (pH_{fox}) and field analysis of sulfur concentrations using X-ray fluorescence spectroscopy (XRF) to provide field screening of CCR material;
- samples recording acidity (low pH_f), the potential for acidity if exposed to oxygen and water (low pH_{fox}) and high sulfur contents (greater than 0.1% S as recorded by XRF) will be sent for laboratory analysis to determine dosing factors¹; and
- CCR may then be dosed with limestone prior to use in rehabilitation at Charbon.

The active management of Clarence CCR will reduce the AMD risk to the receiving environment.

5.4 Groundwater management

Groundwater monitoring is proposed to occur during rehabilitation activities at Charbon. Groundwater monitoring at Charbon will include:

- continued monitoring of groundwater quality at existing monitoring bores PB2 and PB3;
- visual inspections as part of monthly site inspections at temporarily backfilled adits for signs of groundwater seepage; and
- installation of three monitoring bores down gradient of emplacement areas and upgradient of receptors.

¹ This field testing method is similar to methods employed in acid sulfate soil investigations, which are often carried out concurrently with construction activities. As such, the field testing provides a rapid means of screening the REA CCR as it is being excavated or collected from the production stream. Samples exhibiting the potential for AMD may be sent for laboratory analysis and calculation of addition of limestone, with most laboratories ensuring a 24-hour turn-around time for results.

5.4.1 Charbon emplacement area groundwater monitoring

Groundwater monitoring is proposed at five locations (Table 5.2). These locations will be used as performance indicators for groundwater quality down gradient of the proposed emplacement areas.

Three new monitoring bores will be installed down gradient of the emplacement areas and upgradient of receptors. The exact location of the monitoring bores will be confirmed prior to the commencement of CCR importation and due diligence assessments will be completed prior to installation.

Table 5.2 Monitoring bore locations

Area	Longitude	Latitude	Target	Frequency
PB2 (existing)	149.978008	-32.895604		
PB3 (existing)	149.977998	-32.896543		
Western Open Cut (proposed)	To be confirmed	To be confirmed	Shoalhaven Group aquifer	Quarterly for two years. Annual thereafter.
Central Open Cut Box Cut (proposed)	To be confirmed	To be confirmed		
8 Trunk Open Cut (proposed)	To be confirmed	To be confirmed		

Note: Coordinates in MGA Zone 55.

i Groundwater monitoring criteria

The monitoring bores in Table 5.2 should initially be sampled for the analytes detailed in Table 5.3. The analyte suite can be modified if results show consistent detections below the laboratory limit of reporting (LOR) for analytes.

Table 5.3 Groundwater monitoring

Location	Frequency	Parameters	Basis for monitoring
Groundwater monitoring bores (PB2, PB3, New1, New2, New3)	Quarterly	Physical: Groundwater level. Physicochemical parameters: dissolved oxygen, EC, pH, total dissolved solids (TDS). Major ions: alkalinity, calcium, chloride, magnesium, potassium, sodium, sulfate. Metals (dissolved): aluminium, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, lead, manganese, mercury, nickel, selenium, vanadium, zinc.	Emplacement area seepage monitoring

It is recommended that the proposed monitoring bores be sampled using low flow methods on a quarterly basis for a period of two years to allow determination of natural background levels and development of trigger levels, and then sampled annually thereafter. Groundwater sampling should in accordance with the following guidelines:

- Australian/New Zealand Standard Water Quality – Sampling, Part 1: Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples (AS/NZS 567.1:1998);
- Australian/New Zealand Standard Water Quality – Sampling, Part 11: Guidance on sampling of groundwaters (AS/NZS 5667.11:1998); and

- *Groundwater Sampling and Analysis – A Field Guide* (Geoscience Australia Record 2009/27) (Sundaram et al 2009).

5.4.2 Performance criteria

The groundwater environment management criteria for Charbon, as outlined in the WMP, are listed in Table 5.4.

Table 5.4 Groundwater environment management criteria

Aspect	Criteria
Groundwater quality	No complaints about groundwater quality from surrounding landholders.
Groundwater level	No complaints regarding groundwater from surrounding landholders.

5.4.3 Trigger values

As detailed in the WMP, the current groundwater trigger is a complaint by an adjacent landholder regarding groundwater quality or level in their bore.

A robust set of trigger values should be determined following collection of baseline groundwater quality in the areas downgradient of the emplacement areas. The trigger values adopted will be an early warning of potential groundwater contamination occurring from the proposed CCR emplacement areas.

5.4.4 Trigger action response plan

The groundwater TARP presented in Table 5.5, summarises the groundwater performance criteria, triggers, actions, escalations and notification obligations.

Table 5.5 Groundwater environment TARP

Aspect	Normal	Trigger 1	Trigger 2	Notifications in response
Groundwater quality and level	No complaints from adjacent bore owners regarding groundwater quality and level.	Complaint from an adjacent bore owner regarding declining groundwater quality and level. Action: Environmental Coordinator to initiate an investigation to determine if the change in groundwater quality and level is due to mining related activity. Investigation to be undertaken within 3 months. An independent review process for the landowner will be available.	Investigation into Stage 1 Trigger identifies that change in groundwater quality and level is due to mining related activity. Action: Loss of appropriate water supply from and adjacent landholder will need to be replaced by Centennial. If environmental impacts are unacceptable, remediation options will be considered and future monitoring.	Trigger 1: Notify Environmental Coordinator. Notify any other potentially effected landowners as soon as practical. Trigger 2: Notify Mine Manager and DPIE Water.

The groundwater TARP should be updated following two years of baseline data collection from the proposed new monitoring bores.

5.5 Surface water management

Water management at Charbon including the operation of surface water management infrastructure, is outlined in the WMP.

5.5.1 Water management objectives

As detailed in the WMP, site-specific water management objectives at Charbon aim to:

- maximise the separation of clean and dirty surface water systems;
- manage water discharge from Charbon, in terms of volume and quality, to a level that is acceptable for environmental management and community expectations;
- minimise water discharges from the premises by maximising, where practicable, opportunities for the reuse and recycling of water on-site, including irrigation of rehabilitated areas and other vegetated areas, noting that irrigation activities are only undertaken to an extent such that runoff is not created;
- minimise discharges of dirty water from Charbon; and
- manage discharge to natural waterways in accordance with the conditions of Environment Protection Licence (EPL) 528.

5.5.2 Clean water management

As described in Section 2.4.2, clean water management at Charbon has one main existing storage, Reedy Creek Dam, that captures and manages clean water on-site. Structures, culverts or diversions are used to prevent direct interactions of the clean and dirty water systems with these easements.

Progressive rehabilitation at Charbon will result in reductions in dirty water runoff and an increase in the clean water management contributions. Where rehabilitation and vegetation cover are effectively established and potential soil loss and erosion risks to downstream surface water systems significantly reduce, storages may be redefined as clean water storages. Once they are redefined, they will no longer require active dewatering to the dirty water management system.

Charbon has a progressive monitoring and management plan that is reviewed and updated regularly to reflect changes on-site and associated requirements for surface water management. This process will continue.

5.5.3 Dirty water management

The capacity of all storages have been assessed, through the development of the WMP, for adequacy to capture and retain dirty water in the event of a rainfall event in accordance with *Managing Urban Stormwater: Soils and Construction, Volume 1* and *Volume 2E* (Landcom 2004; DECC 2008). A number of individual dirty water storages have been assessed to have capacities less than those required by the assessment criteria; however, equivalent performance criteria can be achieved through active management of these storages using available transfer systems (pumps and pipes).

The performance of the dirty water management system relies on water storage capacity and measures to drawdown water volume between rainfall events, through reuse and discharge. Site water demands at Charbon are currently less than during mining operations and Charbon is generally in water excess. Where required, water reuse through dust suppression and controlled irrigation of rehabilitated areas and other vegetated areas is undertaken preferentially to discharge to the environment.

Prior to discharge of stored water, water quality criteria defined within EPL 528 must be achieved. Given the dispersible nature of overburden and sub-soil material found in portions of the site, chemical flocculent is used to reduce total suspended solids (TSS). The use of flocculants is managed to ensure there is no environmental harm to the receiving environment.

5.5.4 Surface water monitoring

Surface water monitoring undertaken at Charbon is outlined in the WMP. Charbon's surface water management plan is shown on Figure 2.8 and includes visual inspections and water quality and quantity monitoring.

i Visual inspections

Charbon Coal undertakes site inspections of the existing water management structures. Site inspections are completed by the Environment and Community Coordinator (or delegate) and occur at a minimum:

- monthly for the general site;
- monthly for water management structures; and
- as soon as practicable following rainfall events that exceed 20 mm in 24 hours.

Inspections generally include:

- inspecting water management and sediment control structures for capacity, structural integrity and effectiveness; and
- recording and reporting on the condition of each water management and sediment control structure in place.

Maintenance of water management and sediment control structures is implemented when visual defects are observed.

ii Surface water quality monitoring

Surface water quality is monitored at:

- CHPP Dam 3;
- LDP4 Discharge Dam;
- Reedy Creek Dam;
- LDP2 – Outlet of the LDP2 Discharge Dam;
- LDP3 – Outlet of the LDP3 Discharge Dam;

- LDP4 – Outlet of the LDP4 Discharge Dam;
- LDP5 – V-notched Weir, below LDP5 Discharge Dam into Reedy Creek;
- LDP6 – Outlet of the Western Primary PCD; and
- Cudgegong River – Downstream waterway from Rylstone Reservoir.

Sampling frequency and monitored parameters are summarised in Table 5.6.

Table 5.6 **Surface water monitoring**

Location	Frequency	Parameters	Basis for monitoring
CHPP Dam 3 LDP4 Discharge Dam Reedy Creek Dam	Monthly	Physicochemical parameters: biochemical oxygen demand, dissolved oxygen, EC, pH, total dissolved solids (TDS), TSS, turbidity. Nutrients: ammonia, nitrate, nitrite, nitrate + nitrite, total Kjeldahl nitrogen, total nitrogen, total organic carbon, total phosphorus. Major ions: alkalinity, calcium, chloride, magnesium, potassium, sodium, sulfate. Metals (dissolved): aluminium, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, cerium, chromium, cobalt, copper, erbium, gallium, iron, lead, lithium, manganese, mercury, molybdenum, nickel, rubidium, selenium, silver, strontium, thallium, thorium, tin, titanium, uranium, zinc. Metals (total): aluminium, arsenic, barium, boron, cadmium, cobalt, iron, lead, manganese, mercury, nickel, selenium, silver, zinc. Other parameters: bromine, free chlorine, fluoride, iodine, oil and grease, silica, silicon, total cyanide.	Monitoring of water exported to Airly Mine.
LDP2, LDP3, LDP4, LDP5, LDP6	Daily during any discharge	Physicochemical parameters: EC, oil and grease, pH, TSS, turbidity.	EPL 528 requirement.
Cudgegong River	Monthly	Physicochemical parameters: EC, oil and grease, pH, TSS, turbidity. Metals (dissolved): aluminium, arsenic, boron, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, selenium, silver, zinc.	Reference site.

iii Surface water quantity monitoring

Surface water quantity monitoring at Charbon includes:

- monthly survey of water level in Reedy Creek Dam;
- recording volume of water extracted from Reedy Creek Dam to ensure compliance with WAL 35023; and
- recording volume of water extracted from CHPP Dam 3 for transfer to Airly Mine to ensure compliance with Condition 42A of SSD 08_0211.

5.5.5 Performance criteria

i Site operations

The performance criteria for surface water management are outlined in Table 5.7.

Table 5.7 Site operations water management criteria

Aspect	Criteria
Erosion and sediment control dams	Storage sized in accordance with DECC (2008) and Landcom (2004) and maintained within the capacity of each storage.
Water quality management	Clean and dirty water separation.
Erosion and sediment control	Minimising disturbance area. Pit top disturbance and other activities are to be managed in accordance with approach and guidelines outlined in the <i>Western Operations - Regional Water Management Plan</i> (GHD 2016).
Hydrocarbon management	Chemical and hydrocarbon storage to be in accordance with Australian Standard AS1940:2004.

ii Discharge management

Discharges through LDPs into ephemeral drainage lines are undertaken in accordance with EPL 528 requirements. Water quality of discharges are to be managed within or below EPL 528 limits (Table 5.8).

5.5.6 Trigger values

Water quality objectives for surface water are set based on the protection of aquatic ecosystems. Monitoring data for site water storages and LDP discharges are assessed against concentration limits specified in EPL 528 (Table 5.8).

Charbon Coal submit an Annual Return to the EPA on an annual basis. The Annual Return is a statement of compliance with the conditions of EPL 528 and a report on the pollutant loads generated at Charbon.

Table 5.8 Surface water quality trigger values (EPL 528)

Parameter	Unit	Trigger value	Source
Oil and grease	mg/L	10	EPL 528
pH	pH units	6.5-8.5	EPL 528
TSS	mg/L	50	EPL 528
Turbidity	NTU	50	EPL 528

Site-specific guideline values (SSGVs) for Charbon have been derived as recommended by ANZG (2018) and ANZECC (2000) based on monitoring data for a reference site on Cudgegong River (Table 5.9). Water quality in Reedy Creek Dam and Rileys Creek are assessed against the SSGVs.

Table 5.9 Site-specific guideline values for the assessment of surface water quality

Parameter	Units	Site-specific guideline value
Physicochemical parameters		
EC	µS/cm	564
pH	-	6.5–8.0
Turbidity	NTU	25
Dissolved metals		
Aluminium	mg/L	0.055
Arsenic	mg/L	0.013
Boron	mg/L	0.37
Cadmium	mg/L	0.0002
Chromium	mg/L	0.001
Copper	mg/L	0.0014
Lead	mg/L	0.0034
Manganese	mg/L	1.9
Mercury	mg/L	0.0001
Nickel	mg/L	0.011
Selenium	mg/L	0.01
Silver	mg/L	0.001
Zinc	mg/L	0.008

5.5.7 Trigger action response plan

The surface water TARP (Table 5.10) summarises the surface water performance criteria, triggers, actions, escalations and notification obligations.

Table 5.10 Surface water trigger action response plan

Aspect	Normal	Trigger 1	Trigger 2	Notifications in response
Surface water storage volume	Storage captures events up to and including the design criteria.	Storage is not dewatered appropriately following storm event in accordance with design. Action: Investigate storage operation and dewatering options. Education for staff. Implement appropriate mitigation control.	Storage is discharging as a result of a storm event less than design criteria. Action: Investigation to be undertaken. Review dam condition and sediment captured. Review catchment plan. Undertake water quality sampling and add flocculant if necessary.	Trigger 1: Notify Environment and Community Coordinator/Mine Manager. Trigger 2: Review EPL and Pollution Incident Response Management Plan (PIRMP) notification requirements if discharges have occurred.

Table 5.10 Surface water trigger action response plan

Aspect	Normal	Trigger 1	Trigger 2	Notifications in response
Dewatering pump operation	Dewatering pump operates within the pump specification.	Pump failure Action: Use back-up pump. Implement appropriate mitigation control.	Pump failure and no back up available. Action: hire pump.	Trigger 1: Notify Environment and Community Coordinator. Investigate alternate pump options. Trigger 2: Notify Mine Manager.
Clean water diversion around reject emplacement area	Clean water diverted around dirty water areas.	Clean water bypass through dirty catchment areas: Action: Review condition and integrity of channels. Appropriately treat and manage dirty water. Implement controls in accordance with the Erosion and Sediment Control Plan (ESCP)	Clean water creates flooding problems through site. Action: Utilise earthworks machinery to cut appropriate channel to manage clean water appropriately. Protect equipment and infrastructure. Utilise portable pumps to dewater flooded areas into sediment basins.	Trigger 1: Notify Environment and Community Coordinator. Facilitate works to resolve clean water flow diversion failure. Trigger 2: Notify Mine Manager and Review PIRMP. Notify EPA if material harm caused. Notify DPIE if material harm caused. Notify Resources Regulator if material harm caused. Evacuate site if danger exists.
Erosion and sediment control	All controls are appropriately in place and well maintained. Land disturbance procedure followed prior to disturbance activity.	Controls in place, however, are not maintained or are inappropriately installed and laid out. Action: Review ESCP for disturbance activity. Review catchment area contributing to disturbance.	Controls not in place or rainfall event has led to sediment migrating off site. Action: Install temporary sediment controls to sediment. Stabilise disturbance areas with a temporary rolled erosion control product.	Trigger 1: Notify Environment and Community Coordinator. Trigger 2: Notify Mine Manager. Notify EPA if material harm caused. Notify DPIE if exceedance of limit occurs. Notify Resource Regulator if exceedance of limit occurs.
Hydrocarbon management	No spills on site. All hydrocarbon supplies are stored appropriately.	Spillage occurs on site. Action: Implement procedures in the PIRMP. Utilise spill kit.	Major spill occurs on site. Action: Isolate area and prevent spill from migrating away. Engage waste contractor to clean up spill. Review any potential contamination.	Trigger 1: Notify Environment and Community Coordinator. Trigger 2: Notify Mine Manager. Notify EPA if discharge occurs in accordance with PIRMP or if material harm caused. Notify DPIE if exceedance of limit occurs. Notify Resource Regulator if exceedance of limit occurs.

Table 5.10 **Surface water trigger action response plan**

Aspect	Normal	Trigger 1	Trigger 2	Notifications in response
Discharge quality from LDP	Discharge quality is within limits defined by EPL.	Water quality parameters exceed EPL limit for at least one parameter at one site. Action: Undertake investigation. Repeat sampling.	Water quality parameters exceed EPL limits for multiple parameters or multiple sites. Action: Consider reconfiguration of pit top surface water management infrastructure.	Trigger 1: Notify Environment and Community Coordinator Trigger 2: Notify Mine Manager Notify EPA in accordance with PIRMP or if material harm caused. Notify DPIE if exceedance of limit occurs. Notify Resources Regulator if exceedance of limit occurs.
Discharges off site	No discharge from non-LDP locations.	Discharge from non-LDP discharge location for one day. Action: Implement monitoring program.	Discharge from a non-LDP defined discharge location over multiple days. Action: Capture event with photographs. Undertake investigation. Implement monitoring program.	Trigger 1: Notify Environment and Community Coordinator Trigger 2: Notify Mine Manager. Notify EPA in accordance with PIRMP or if material harm caused. Notify DPIE if exceedance of limit occurs. Notify Resources Regulator if exceedance of limit occurs. Prepare incident report. Notify DPI Water.

5.5.8 Surface water licenses

Charbon holds two water access licences (WALs) for the abstraction of surface water, WAL 35022 and WAL 35023, which are licensed to abstract up to 105 ML/year and 231 ML/year, respectively, from the Upper Cudgegong River water source, regulated by the Water Sharing Plan for the Macquarie Bogan Unregulated and Alluvial Water Sources 2012. No changes to Charbon's existing WALs are proposed as part of this modification.

Charbon's existing WALs provide sufficient capacity for the ongoing transfer of water to Airly, as well as ongoing rehabilitation and closure activities.

6 Residual impacts

This chapter describes the residual impacts and summarises the residual risks to the groundwater and surface water environments. The assessment has used the source-receptor-pathway analysis to describe how the proposed modification could impact sensitive groundwater receptors.

The risk assessment in Chapter 3, ie prior to implementation of the management measures discussed in Chapter 5, identified water affecting activities with the potential for both direct and indirect impacts to the surface water and groundwater environment. For each water affecting activity, Table 6.1 and Table 6.2:

- identify the water affecting activity and potential risk/effect;
- lists the proposed mitigation controls and actions; and
- provides an assessment of the residual risk.

Table 6.1 **Direct groundwater-affecting activities risk assessment**

Direct effect	Water affecting activity	Potential risk/effect	Mitigation actions/controls	Residual risk
Quantity	Material emplacement for final landform	Perched water table, seepage, water table mounding	• Project approval and MOP landform. • Minimise infiltration by using 2.5 m of benign overburden (average thickness) followed by approximately 0.5 m of Southern Open Cut resistant overburden cladding. • Revegetated to form stable landcover and landform. • CCR emplacement areas should be free draining to limit water ponding.	Low – 2.5 m of benign overburden (average thickness) followed by approximately 0.5 m of Southern Open Cut resistant overburden cladding will sufficiently limit water and oxygen infiltration to CCR material and provide a stable landform for vegetation growth.
	Wastewater ponds and water storage	Overtopping of dams (surface water)	• Maintain drainage between landform areas and sediment basins. • Maintain integrity of sediment basins and surface water management infrastructure to ensure they do not overtop. • Ensure dams are of appropriate size to capture stormwater runoff for the design rainfall event.	Low – Existing surface water management is sufficient to manage rainfall and surface water runoff.
Quality	Material emplacement for final landform	Acid mine drainage from stockpile areas	• Project approval and MOP landform. • Minimise infiltration by using 2.5 m of benign overburden (average thickness) followed by approximately 0.5 m of Southern Open Cut resistant overburden cladding. • Revegetated to form stable landcover and landform. • CCR emplacement areas should be free draining to limit water ponding.	Low – 2.5 m of benign overburden (average thickness) followed by approximately 0.5 m of Southern Open Cut resistant overburden cladding will sufficiently limit water and oxygen infiltration to CCR material and provide a stable landform for vegetation growth. This will limit leachate generation and AMD drainage from occurring. Sampling Clarence CCR and buffering with limestone material will reduce AMD generation (ie it will eliminate the source of potential contaminate).
		Leaching of solutes to underlying regional aquifer	• Monitor landform emplacement areas to identify and seepage areas and quantify volume. • Sampling Clarence CCR at source and dosing with limestone as required to add buffering material and limit AMD to the receiving environment.	
	Wastewater ponds and water storage	Overtopping of dams (surface water)	• Maintain drainage between landform areas and sediment basins. • Maintain integrity of sediment basins and surface water management infrastructure to ensure they do not overtop. • Ensure dams are of appropriate size to capture stormwater runoff for the design rainfall event. • Sampling Clarence CCR at source and dosing with limestone as required to add buffering material and limit AMD to the receiving environment.	Low – Existing surface water management is sufficient to manage rainfalls and surface water runoff.

Table 6.2 **Indirect groundwater effects**

Direct effect	Impacted environmental value	Potential effect (source-pathway-receptor)	Mitigation actions/controls
Quality	Aquatic ecosystems	Rehabilitation may affect quality of water available if: • leachate from rehabilitated landform contaminates regional groundwater aquifer; and • groundwater pathway leads to a discharge area or groundwater dependent ecosystem and discharges to the environment.	• Final landform design minimises water infiltration. • Monitoring program and TARP in place (Chapter 5) to manage and detect potential contamination along pathway.
	Irrigation supply	Rehabilitation may affect quality of water available if: • leachate from rehabilitated landform contaminates regional groundwater aquifer; and	
	Stock supply	• groundwater pathway leads to a landholder bore.	

7 Conclusion

Charbon Coal proposes to import CCR from Clarence by train to backfill historical mining areas requiring rehabilitation. The potential impact of CCR emplacement on the local groundwater and surface water environment and receptors at Charbon has been assessed.

Analytical groundwater methods have been used to determine potential impacts to the regional groundwater system. 1D unsaturated modelling estimated that water at the surface would take between four and ten years to reach the regional groundwater system.

The adsorptive modelling, which presents more realistic estimates of transport time for some metals/metalloids of interest estimated that breakthrough to the closest receptor would take at least 400 years, with the equilibrium concentration taking at least 1,300 years to reach the closest receptor.

The concentration potentially reaching the closest receptor has been estimated as approximately 5.6% of the source concentration in all modelled scenarios (assuming no reactions along the flow path which would further lower the concentration). The solute concentrations have been calculated based on leachate concentrations from LD3 at Clarence and Charbon's MREA and NREA to represent a range of potential source concentrations. The results are presented in Table 4.7.

The large transport times modelled and the small percentage of solute reaching neighbouring receptors suggest that the risk of metal/metalloids and other contaminants being transported to, and discharged at, the groundwater receptors as a result of the proposed modification is low. The beneficial use of groundwater at receptors close to Charbon is therefore not expected to decrease as a result of the proposed modification.

Impacts to the surface water environment are only expected to occur if there is a significant change in the hydrological properties and characteristics of Clarence CCR material compared to existing material available on-site at Charbon. It is assumed that the emplacement and rehabilitation process and final landform design will remain unchanged from that which is approved under SSD 08_0211 and the MOP.

The areas proposed to receive Clarence CCR will be 'water shedding' as they are all hillside rehabilitation landforms. A 3-metre-thick multi-layer moderate hydraulic conductivity cover will be developed on the sloping landforms with store-and-release characteristics. This will allow plant establishment and growth, while minimising deep drainage (potential AMD seepage) and mitigating upward migration of soluble salts.

To reduce potential for contamination to occur as a result of the importation of Clarence CCR, the material will be sampled prior to being used at Charbon and buffering material will be added (as required).

Groundwater and surface water monitoring and management will include:

- actively monitoring groundwater quality at existing monitoring bores (PB2 and PB3), as well as three additional monitoring bores to detect changes to groundwater quality during ongoing rehabilitation activities; and
- ongoing monitoring and management of surface water consistent with the WMP (including inspections of existing water management structures and sediment control structures for capacity, structural integrity and effectiveness).

By implementing the proposed management measures, the residual impacts of the proposed modification on the groundwater and surface water environment have been assessed to be low risk.

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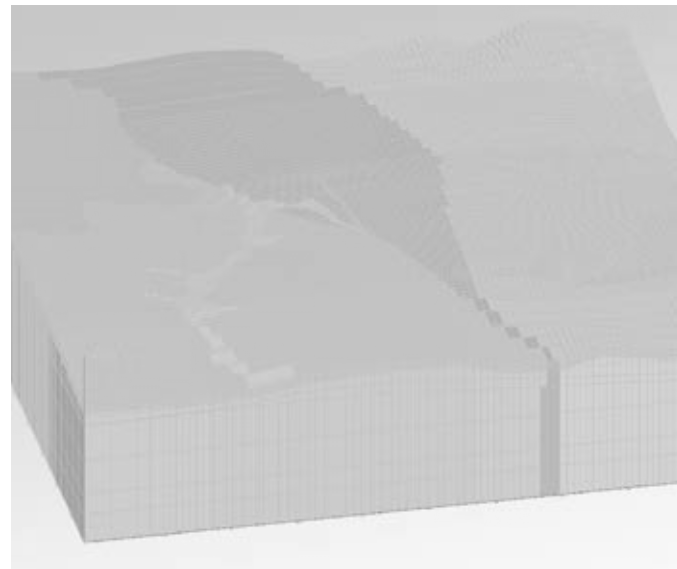
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Appendix A

Aquifer testing analysis



PB2 Constant Rate Test Analysis

Prepared By:

EMM Consulting

Prepared For:

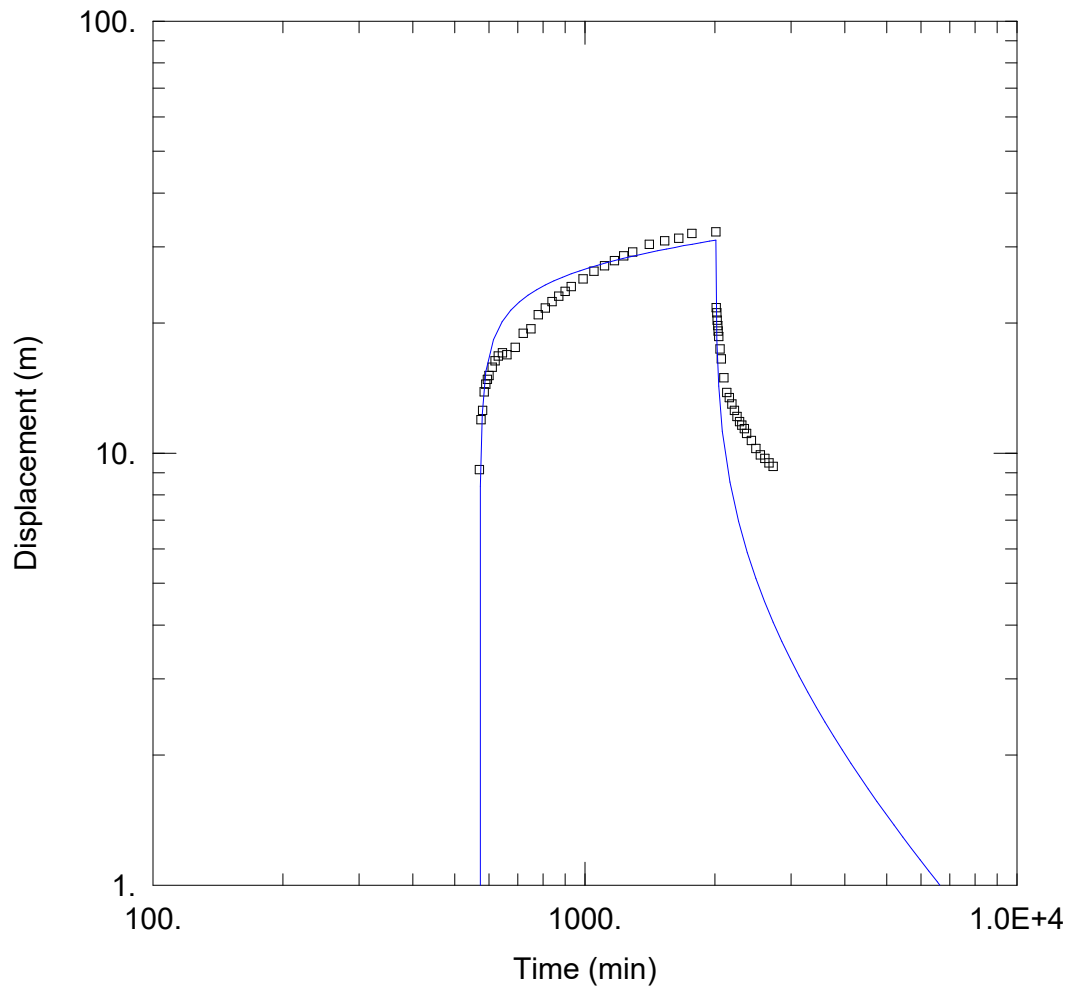
Centennial Coal

Project:

J180459

Location:

Charbon



SOLUTION

Aquifer Model: Unconfined

Solution Method: Neuman

$T = 12.65 \text{ m}^2/\text{day}$

$S = 1.$

$S_y = 0.1$

$\beta = 0.1$

AQUIFER DATA

Saturated Thickness: 28. m

PB3 Constant Rate Test Analysis

Prepared By:

EMM Consulting

Prepared For:

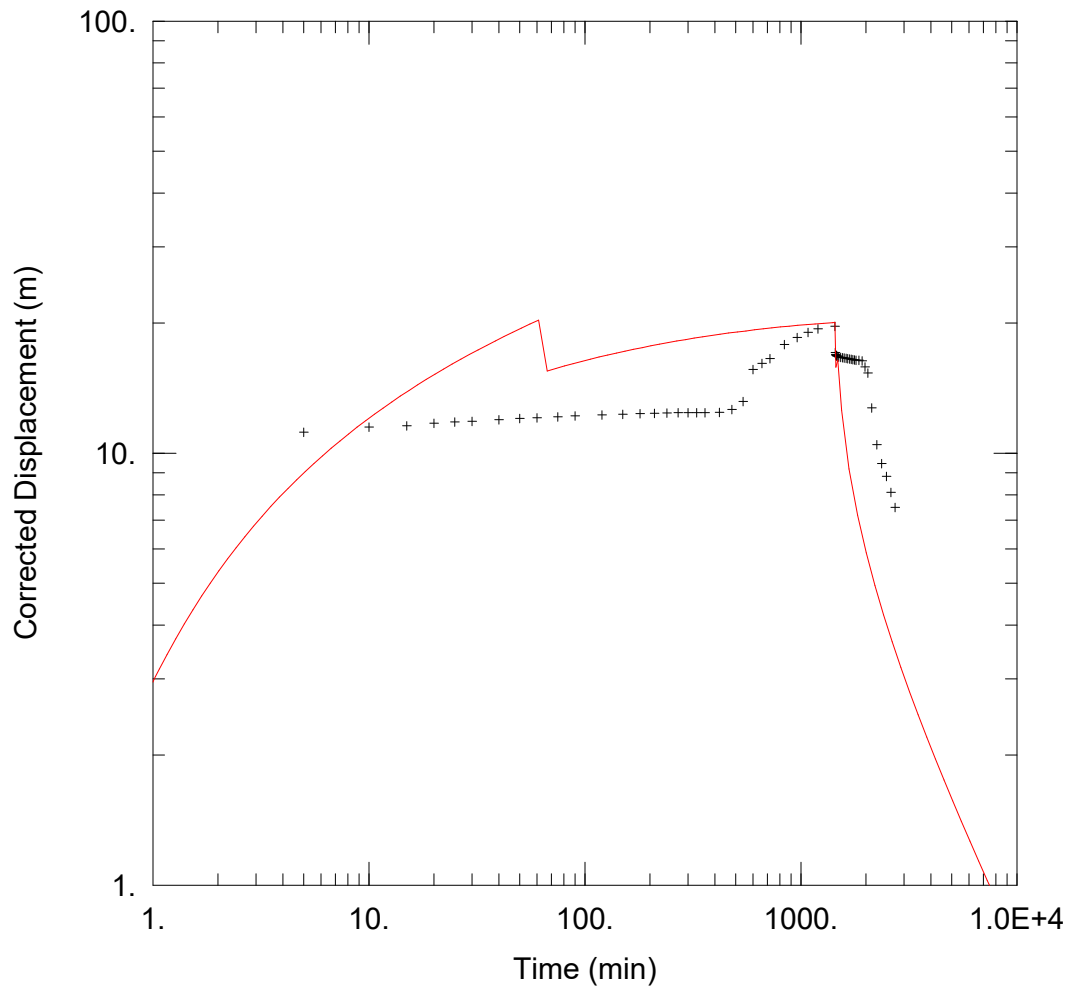
Centennial Coal

Project:

J180459

Location:

Charbon



SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

$T = 4.548 \text{ m}^2/\text{day}$

$S = 1.$

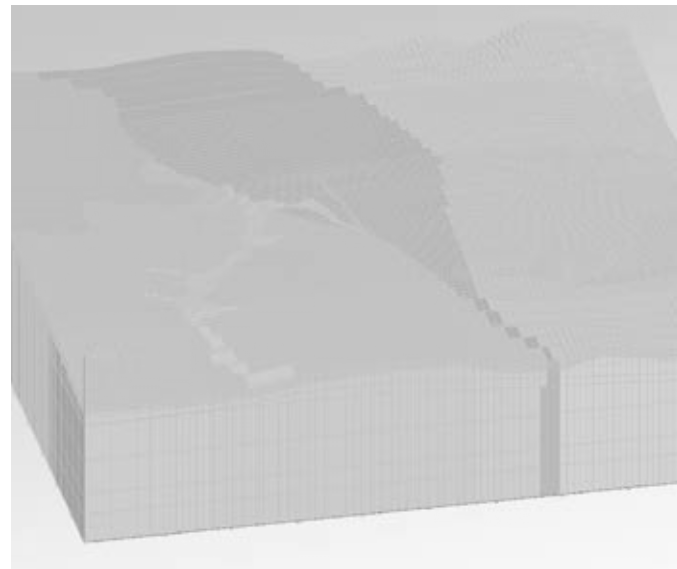
$Kz/Kr = 1.$

$b = 41. \text{ m}$



Appendix B

Groundwater chemistry data



Bore	Date	Time	Sample Num	Analyte	Value
PB2	21/07/2015	1142	ME1510178001	Aluminium - Dissolved mg/L	1.03
PB2	19/08/2015	1202	ME1510333001	Aluminium - Dissolved mg/L	0.92
PB2	18/09/2015	1204	ME1510475001	Aluminium - Dissolved mg/L	1.02
PB2	27/10/2015	1128	ME1510672001	Aluminium - Dissolved mg/L	1.06
PB2	20/11/2015	1040	ME1510819001	Aluminium - Dissolved mg/L	1.27
PB2	17/12/2015	1147	ME1510975001	Aluminium - Dissolved mg/L	<0.01
PB2	20/01/2016	1150	ME1600097001	Aluminium - Dissolved mg/L	<0.01
PB2	25/02/2016	1150	ME1600272001	Aluminium - Dissolved mg/L	0.2
PB2	21/03/2016	1137	ME1600392001	Aluminium - Dissolved mg/L	<0.01
PB2	06/04/2016	1151	ME1600471001	Aluminium - Dissolved mg/L	0.02
PB2	20/05/2016	1041	ME1600692001	Aluminium - Dissolved mg/L	<0.01
PB2	17/06/2016	1106	ME1600840001	Aluminium - Dissolved mg/L	0.03
PB2	22/07/2016	1119	ME1601029001	Aluminium - Dissolved mg/L	<0.01
PB2	24/08/2016	1149	ME1601180001	Aluminium - Dissolved mg/L	<0.01
PB2	06/09/2016	1150	ME1601240001	Aluminium - Dissolved mg/L	0.02
PB2	27/10/2016	1121	ME1601510001	Aluminium - Dissolved mg/L	<0.01
PB2	22/11/2016	1149	ME1601646001	Aluminium - Dissolved mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Aluminium - Dissolved mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Aluminium - Dissolved mg/L	<0.01
PB2	25/01/2017	1041	ME1700124001	Aluminium - Dissolved mg/L	<0.01
PB2	25/01/2017	1041	ME1700124001	Aluminium - Dissolved mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Aluminium - Dissolved mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Aluminium - Dissolved mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Aluminium - Dissolved mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Aluminium - Dissolved mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Aluminium - Dissolved mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Aluminium - Dissolved mg/L	<0.01
PB2	19/05/2017	1208	ME1700709001	Aluminium - Dissolved mg/L	<0.01
PB2	22/06/2017	1052	ME1700866001	Aluminium - Dissolved mg/L	<0.01
PB2	24/07/2017	1136	ME1701008001	Aluminium - Dissolved mg/L	0.02
PB2	17/08/2017	1157	ME1701130001	Aluminium - Dissolved mg/L	<0.01
PB2	18/09/2017	1216	ME1701275001	Aluminium - Dissolved mg/L	<0.01
PB2	16/10/2017	1229	ME1701413001	Aluminium - Dissolved mg/L	<0.01
PB2	21/11/2017	1240	ME1701588001	Aluminium - Dissolved mg/L	<0.01
PB2	21/12/2017	1032	ME1701771001	Aluminium - Dissolved mg/L	<0.01
PB2	11/01/2018	1222	ME1800056001	Aluminium - Dissolved mg/L	<0.01
PB2	19/02/2018	1214	ME1800240001	Aluminium - Dissolved mg/L	<0.01
PB2	21/03/2018	1142	ME1800392001	Aluminium - Dissolved mg/L	0.48
PB2	26/04/2018	1209	ME1800548001	Aluminium - Dissolved mg/L	0.03
PB2	22/05/2018	1150	ME1800676001	Aluminium - Dissolved mg/L	0.02
PB2	20/06/2018	1056	ME1800816001	Aluminium - Dissolved mg/L	<0.01
PB2	20/07/2018	1115	ME1800947001	Aluminium - Dissolved mg/L	<0.01
PB2	10/08/2018	1145	ME1801055001	Aluminium - Dissolved mg/L	<0.01
PB2	17/09/2018	1133	ME1801223001	Aluminium - Dissolved mg/L	<0.01
PB2	23/10/2018	1249	ME1801391001	Aluminium - Dissolved mg/L	<0.01
PB2	22/11/2018	1038	ME1801533001	Aluminium - Dissolved mg/L	<0.01

PB2	18/12/2018	1143	ME1801653001	Aluminium - Dissolved mg/L	0.01
PB2	14/01/2019	1253	ME1900052001	Aluminium - Dissolved mg/L	0.02
PB2	21/02/2019	1214	ME1900241001	Aluminium - Dissolved mg/L	0.17
PB2	18/03/2019	1205	ME1900366001	Aluminium - Dissolved mg/L	0.11
PB2	15/04/2019	1113	ME1900507001	Aluminium - Dissolved mg/L	0.2
PB2	21/05/2019	1151	ME1900651001	Aluminium - Dissolved mg/L	0.18
PB2	13/06/2019	1140	ME1900760001	Aluminium - Dissolved mg/L	0.09
PB2	15/07/2019	1005	ME1900896001	Aluminium - Dissolved mg/L	0.03
PB2	20/08/2019	1150	ME1901071001	Aluminium - Dissolved mg/L	<0.01
PB2	16/09/2019	1347	ME1901212001	Aluminium - Dissolved mg/L	<0.01
PB2	24/10/2019	1117	ME1901416001	Aluminium - Dissolved mg/L	<0.01
PB2	18/11/2019	1143	ME1901522001	Aluminium - Dissolved mg/L	<0.01
PB2	17/12/2019	1156	ME1901703001	Aluminium - Dissolved mg/L	<0.01
PB2	23/01/2020	1030	ME2000111001	Aluminium - Dissolved mg/L	<0.01
PB2	12/02/2020	1136	ME2000226001	Aluminium - Dissolved mg/L	0.02
PB2	18/03/2020	1203	ME2000433001	Aluminium - Dissolved mg/L	<0.01
PB2	21/04/2020	1130	ME2000603001	Aluminium - Dissolved mg/L	0.97
PB2	21/07/2015	1142	ME1510178001	Ammonia as N mg/L	0.08
PB2	19/08/2015	1202	ME1510333001	Ammonia as N mg/L	0.14
PB2	18/09/2015	1204	ME1510475001	Ammonia as N mg/L	0.13
PB2	27/10/2015	1128	ME1510672001	Ammonia as N mg/L	<0.1
PB2	20/11/2015	1040	ME1510819001	Ammonia as N mg/L	0.14
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PB2	21/03/2016	1137	ME1600392001	Ammonia as N mg/L	0.23
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PB2	20/05/2016	1041	ME1600692001	Ammonia as N mg/L	0.29
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PB2	22/07/2016	1119	ME1601029001	Ammonia as N mg/L	0.32
PB2	24/08/2016	1149	ME1601180001	Ammonia as N mg/L	0.33
PB2	06/09/2016	1150	ME1601240001	Ammonia as N mg/L	0.63
PB2	27/10/2016	1121	ME1601510001	Ammonia as N mg/L	0.31
PB2	22/11/2016	1149	ME1601646001	Ammonia as N mg/L	0.26
PB2	21/12/2016	1106	ME1601801001	Ammonia as N mg/L	0.17
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PB2	25/01/2017	1041	ME1700124001	Ammonia as N mg/L	0.05
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PB2	18/03/2019	1205	ME1900366001	Ammonia as N mg/L	0.37
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PB2	24/10/2019	1117	ME1901416001	Ammonia as N mg/L	0.49
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PB2	12/02/2020	1136	ME2000226001	Ammonia as N mg/L	0.88
PB2	18/03/2020	1203	ME2000433001	Ammonia as N mg/L	0.34
PB2	21/04/2020	1130	ME2000603001	Ammonia as N mg/L	<0.05
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PB2	19/08/2015	1202	ME1510333001	Arsenic - Dissolved mg/L	0.003
PB2	18/09/2015	1204	ME1510475001	Arsenic - Dissolved mg/L	0.002
PB2	27/10/2015	1128	ME1510672001	Arsenic - Dissolved mg/L	0.003
PB2	20/11/2015	1040	ME1510819001	Arsenic - Dissolved mg/L	0.002
PB2	17/12/2015	1147	ME1510975001	Arsenic - Dissolved mg/L	<0.001
PB2	20/01/2016	1150	ME1600097001	Arsenic - Dissolved mg/L	<0.001
PB2	25/02/2016	1150	ME1600272001	Arsenic - Dissolved mg/L	<0.001
PB2	21/03/2016	1137	ME1600392001	Arsenic - Dissolved mg/L	<0.001
PB2	06/04/2016	1151	ME1600471001	Arsenic - Dissolved mg/L	<0.001
PB2	20/05/2016	1041	ME1600692001	Arsenic - Dissolved mg/L	<0.001
PB2	17/06/2016	1106	ME1600840001	Arsenic - Dissolved mg/L	<0.001
PB2	22/07/2016	1119	ME1601029001	Arsenic - Dissolved mg/L	<0.001
PB2	24/08/2016	1149	ME1601180001	Arsenic - Dissolved mg/L	<0.001

PB2	06/09/2016	1150	ME1601240001	Arsenic - Dissolved mg/L	<0.001
PB2	27/10/2016	1121	ME1601510001	Arsenic - Dissolved mg/L	<0.001
PB2	22/11/2016	1149	ME1601646001	Arsenic - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Arsenic - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Arsenic - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Arsenic - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Arsenic - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Arsenic - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Arsenic - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Arsenic - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Arsenic - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Arsenic - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Arsenic - Dissolved mg/L	<0.001
PB2	19/05/2017	1208	ME1700709001	Arsenic - Dissolved mg/L	<0.001
PB2	22/06/2017	1052	ME1700866001	Arsenic - Dissolved mg/L	<0.001
PB2	24/07/2017	1136	ME1701008001	Arsenic - Dissolved mg/L	<0.001
PB2	17/08/2017	1157	ME1701130001	Arsenic - Dissolved mg/L	<0.001
PB2	18/09/2017	1216	ME1701275001	Arsenic - Dissolved mg/L	<0.001
PB2	16/10/2017	1229	ME1701413001	Arsenic - Dissolved mg/L	<0.001
PB2	21/11/2017	1240	ME1701588001	Arsenic - Dissolved mg/L	<0.001
PB2	21/12/2017	1032	ME1701771001	Arsenic - Dissolved mg/L	<0.001
PB2	11/01/2018	1222	ME1800056001	Arsenic - Dissolved mg/L	<0.001
PB2	19/02/2018	1214	ME1800240001	Arsenic - Dissolved mg/L	<0.001
PB2	21/03/2018	1142	ME1800392001	Arsenic - Dissolved mg/L	<0.001
PB2	26/04/2018	1209	ME1800548001	Arsenic - Dissolved mg/L	<0.001
PB2	22/05/2018	1150	ME1800676001	Arsenic - Dissolved mg/L	<0.001
PB2	20/06/2018	1056	ME1800816001	Arsenic - Dissolved mg/L	<0.001
PB2	20/07/2018	1115	ME1800947001	Arsenic - Dissolved mg/L	<0.001
PB2	10/08/2018	1145	ME1801055001	Arsenic - Dissolved mg/L	<0.001
PB2	17/09/2018	1133	ME1801223001	Arsenic - Dissolved mg/L	<0.001
PB2	23/10/2018	1249	ME1801391001	Arsenic - Dissolved mg/L	<0.001
PB2	22/11/2018	1038	ME1801533001	Arsenic - Dissolved mg/L	<0.001
PB2	18/12/2018	1143	ME1801653001	Arsenic - Dissolved mg/L	<0.001
PB2	14/01/2019	1253	ME1900052001	Arsenic - Dissolved mg/L	<0.001
PB2	21/02/2019	1214	ME1900241001	Arsenic - Dissolved mg/L	<0.001
PB2	18/03/2019	1205	ME1900366001	Arsenic - Dissolved mg/L	<0.001
PB2	15/04/2019	1113	ME1900507001	Arsenic - Dissolved mg/L	<0.001
PB2	21/05/2019	1151	ME1900651001	Arsenic - Dissolved mg/L	<0.001
PB2	13/06/2019	1140	ME1900760001	Arsenic - Dissolved mg/L	<0.001
PB2	15/07/2019	1005	ME1900896001	Arsenic - Dissolved mg/L	<0.001
PB2	20/08/2019	1150	ME1901071001	Arsenic - Dissolved mg/L	<0.001
PB2	16/09/2019	1347	ME1901212001	Arsenic - Dissolved mg/L	<0.001
PB2	24/10/2019	1117	ME1901416001	Arsenic - Dissolved mg/L	<0.001
PB2	18/11/2019	1143	ME1901522001	Arsenic - Dissolved mg/L	<0.001
PB2	17/12/2019	1156	ME1901703001	Arsenic - Dissolved mg/L	<0.001
PB2	23/01/2020	1030	ME2000111001	Arsenic - Dissolved mg/L	<0.001
PB2	12/02/2020	1136	ME2000226001	Arsenic - Dissolved mg/L	<0.001

PB2	18/03/2020	1203	ME2000433001	Arsenic - Dissolved mg/L	<0.001
PB2	21/04/2020	1130	ME2000603001	Arsenic - Dissolved mg/L	<0.001
PB2	21/07/2015	1142	ME1510178001	Bicarbonate Alkalinity as CaCO3 mg/L	86
PB2	19/08/2015	1202	ME1510333001	Bicarbonate Alkalinity as CaCO3 mg/L	102
PB2	18/09/2015	1204	ME1510475001	Bicarbonate Alkalinity as CaCO3 mg/L	26
PB2	27/10/2015	1128	ME1510672001	Bicarbonate Alkalinity as CaCO3 mg/L	88
PB2	20/11/2015	1040	ME1510819001	Bicarbonate Alkalinity as CaCO3 mg/L	79
PB2	17/12/2015	1147	ME1510975001	Bicarbonate Alkalinity as CaCO3 mg/L	124
PB2	20/01/2016	1150	ME1600097001	Bicarbonate Alkalinity as CaCO3 mg/L	112
PB2	25/02/2016	1150	ME1600272001	Bicarbonate Alkalinity as CaCO3 mg/L	106
PB2	21/03/2016	1137	ME1600392001	Bicarbonate Alkalinity as CaCO3 mg/L	96
PB2	06/04/2016	1151	ME1600471001	Bicarbonate Alkalinity as CaCO3 mg/L	95
PB2	20/05/2016	1041	ME1600692001	Bicarbonate Alkalinity as CaCO3 mg/L	80
PB2	17/06/2016	1106	ME1600840001	Bicarbonate Alkalinity as CaCO3 mg/L	127
PB2	22/07/2016	1119	ME1601029001	Bicarbonate Alkalinity as CaCO3 mg/L	94
PB2	24/08/2016	1149	ME1601180001	Bicarbonate Alkalinity as CaCO3 mg/L	98
PB2	06/09/2016	1150	ME1601240001	Bicarbonate Alkalinity as CaCO3 mg/L	105
PB2	27/10/2016	1121	ME1601510001	Bicarbonate Alkalinity as CaCO3 mg/L	85
PB2	22/11/2016	1149	ME1601646001	Bicarbonate Alkalinity as CaCO3 mg/L	79
PB2	21/12/2016	1106	ME1601801001	Bicarbonate Alkalinity as CaCO3 mg/L	76
PB2	21/12/2016	1106	ME1601801001	Bicarbonate Alkalinity as CaCO3 mg/L	76
PB2	25/01/2017	1041	ME1700124001	Bicarbonate Alkalinity as CaCO3 mg/L	71
PB2	25/01/2017	1041	ME1700124001	Bicarbonate Alkalinity as CaCO3 mg/L	71
PB2	21/02/2017	1132	ME1700243001	Bicarbonate Alkalinity as CaCO3 mg/L	57
PB2	21/02/2017	1132	ME1700243001	Bicarbonate Alkalinity as CaCO3 mg/L	57
PB2	22/03/2017	1359	ME1700413001	Bicarbonate Alkalinity as CaCO3 mg/L	50
PB2	22/03/2017	1359	ME1700413001	Bicarbonate Alkalinity as CaCO3 mg/L	50
PB2	26/04/2017	1108	ME1700582001	Bicarbonate Alkalinity as CaCO3 mg/L	35
PB2	26/04/2017	1108	ME1700582001	Bicarbonate Alkalinity as CaCO3 mg/L	35
PB2	19/05/2017	1208	ME1700709001	Bicarbonate Alkalinity as CaCO3 mg/L	34
PB2	22/06/2017	1052	ME1700866001	Bicarbonate Alkalinity as CaCO3 mg/L	28
PB2	24/07/2017	1136	ME1701008001	Bicarbonate Alkalinity as CaCO3 mg/L	26
PB2	17/08/2017	1157	ME1701130001	Bicarbonate Alkalinity as CaCO3 mg/L	26
PB2	18/09/2017	1216	ME1701275001	Bicarbonate Alkalinity as CaCO3 mg/L	28
PB2	16/10/2017	1229	ME1701413001	Bicarbonate Alkalinity as CaCO3 mg/L	23
PB2	21/11/2017	1240	ME1701588001	Bicarbonate Alkalinity as CaCO3 mg/L	22
PB2	21/12/2017	1032	ME1701771001	Bicarbonate Alkalinity as CaCO3 mg/L	44
PB2	11/01/2018	1222	ME1800056001	Bicarbonate Alkalinity as CaCO3 mg/L	100
PB2	19/02/2018	1214	ME1800240001	Bicarbonate Alkalinity as CaCO3 mg/L	203
PB2	21/03/2018	1142	ME1800392001	Bicarbonate Alkalinity as CaCO3 mg/L	115
PB2	26/04/2018	1209	ME1800548001	Bicarbonate Alkalinity as CaCO3 mg/L	116
PB2	22/05/2018	1150	ME1800676001	Bicarbonate Alkalinity as CaCO3 mg/L	142
PB2	20/06/2018	1056	ME1800816001	Bicarbonate Alkalinity as CaCO3 mg/L	131
PB2	20/07/2018	1115	ME1800947001	Bicarbonate Alkalinity as CaCO3 mg/L	226
PB2	10/08/2018	1145	ME1801055001	Bicarbonate Alkalinity as CaCO3 mg/L	210
PB2	17/09/2018	1133	ME1801223001	Bicarbonate Alkalinity as CaCO3 mg/L	144
PB2	23/10/2018	1249	ME1801391001	Bicarbonate Alkalinity as CaCO3 mg/L	235

PB2	22/11/2018	1038	ME1801533001	Bicarbonate Alkalinity as CaCO3 mg/L	226
PB2	18/12/2018	1143	ME1801653001	Bicarbonate Alkalinity as CaCO3 mg/L	213
PB2	14/01/2019	1253	ME1900052001	Bicarbonate Alkalinity as CaCO3 mg/L	124
PB2	21/02/2019	1214	ME1900241001	Bicarbonate Alkalinity as CaCO3 mg/L	72
PB2	18/03/2019	1205	ME1900366001	Bicarbonate Alkalinity as CaCO3 mg/L	95
PB2	15/04/2019	1113	ME1900507001	Bicarbonate Alkalinity as CaCO3 mg/L	78
PB2	21/05/2019	1151	ME1900651001	Bicarbonate Alkalinity as CaCO3 mg/L	66
PB2	13/06/2019	1140	ME1900760001	Bicarbonate Alkalinity as CaCO3 mg/L	56
PB2	15/07/2019	1005	ME1900896001	Bicarbonate Alkalinity as CaCO3 mg/L	93
PB2	20/08/2019	1150	ME1901071001	Bicarbonate Alkalinity as CaCO3 mg/L	76
PB2	16/09/2019	1347	ME1901212001	Bicarbonate Alkalinity as CaCO3 mg/L	40
PB2	24/10/2019	1117	ME1901416001	Bicarbonate Alkalinity as CaCO3 mg/L	120
PB2	18/11/2019	1143	ME1901522001	Bicarbonate Alkalinity as CaCO3 mg/L	275
PB2	17/12/2019	1156	ME1901703001	Bicarbonate Alkalinity as CaCO3 mg/L	<1
PB2	23/01/2020	1030	ME2000111001	Bicarbonate Alkalinity as CaCO3 mg/L	278
PB2	12/02/2020	1136	ME2000226001	Bicarbonate Alkalinity as CaCO3 mg/L	257
PB2	18/03/2020	1203	ME2000433001	Bicarbonate Alkalinity as CaCO3 mg/L	125
PB2	21/04/2020	1130	ME2000603001	Bicarbonate Alkalinity as CaCO3 mg/L	121
PB2	21/07/2015	1142	ME1510178001	Boron - Dissolved mg/L	0.06
PB2	19/08/2015	1202	ME1510333001	Boron - Dissolved mg/L	<0.05
PB2	18/09/2015	1204	ME1510475001	Boron - Dissolved mg/L	<0.05
PB2	27/10/2015	1128	ME1510672001	Boron - Dissolved mg/L	<0.05
PB2	20/11/2015	1040	ME1510819001	Boron - Dissolved mg/L	0.05
PB2	17/12/2015	1147	ME1510975001	Boron - Dissolved mg/L	<0.05
PB2	20/01/2016	1150	ME1600097001	Boron - Dissolved mg/L	<0.05
PB2	25/02/2016	1150	ME1600272001	Boron - Dissolved mg/L	<0.05
PB2	21/03/2016	1137	ME1600392001	Boron - Dissolved mg/L	<0.05
PB2	06/04/2016	1151	ME1600471001	Boron - Dissolved mg/L	<0.05
PB2	20/05/2016	1041	ME1600692001	Boron - Dissolved mg/L	<0.05
PB2	17/06/2016	1106	ME1600840001	Boron - Dissolved mg/L	<0.05
PB2	22/07/2016	1119	ME1601029001	Boron - Dissolved mg/L	<0.05
PB2	24/08/2016	1149	ME1601180001	Boron - Dissolved mg/L	<0.05
PB2	06/09/2016	1150	ME1601240001	Boron - Dissolved mg/L	<0.05
PB2	27/10/2016	1121	ME1601510001	Boron - Dissolved mg/L	<0.05
PB2	22/11/2016	1149	ME1601646001	Boron - Dissolved mg/L	<0.05
PB2	21/12/2016	1106	ME1601801001	Boron - Dissolved mg/L	<0.05
PB2	21/12/2016	1106	ME1601801001	Boron - Dissolved mg/L	<0.05
PB2	25/01/2017	1041	ME1700124001	Boron - Dissolved mg/L	<0.05
PB2	25/01/2017	1041	ME1700124001	Boron - Dissolved mg/L	<0.05
PB2	21/02/2017	1132	ME1700243001	Boron - Dissolved mg/L	<0.05
PB2	21/02/2017	1132	ME1700243001	Boron - Dissolved mg/L	<0.05
PB2	22/03/2017	1359	ME1700413001	Boron - Dissolved mg/L	<0.05
PB2	22/03/2017	1359	ME1700413001	Boron - Dissolved mg/L	<0.05
PB2	26/04/2017	1108	ME1700582001	Boron - Dissolved mg/L	<0.05
PB2	26/04/2017	1108	ME1700582001	Boron - Dissolved mg/L	<0.05
PB2	19/05/2017	1208	ME1700709001	Boron - Dissolved mg/L	<0.05
PB2	22/06/2017	1052	ME1700866001	Boron - Dissolved mg/L	<0.05

PB2	24/07/2017	1136	ME1701008001	Boron - Dissolved mg/L	0.08
PB2	17/08/2017	1157	ME1701130001	Boron - Dissolved mg/L	<0.05
PB2	18/09/2017	1216	ME1701275001	Boron - Dissolved mg/L	<0.05
PB2	16/10/2017	1229	ME1701413001	Boron - Dissolved mg/L	<0.05
PB2	21/11/2017	1240	ME1701588001	Boron - Dissolved mg/L	<0.05
PB2	21/12/2017	1032	ME1701771001	Boron - Dissolved mg/L	0.39
PB2	11/01/2018	1222	ME1800056001	Boron - Dissolved mg/L	<0.05
PB2	19/02/2018	1214	ME1800240001	Boron - Dissolved mg/L	<0.05
PB2	21/03/2018	1142	ME1800392001	Boron - Dissolved mg/L	<0.05
PB2	26/04/2018	1209	ME1800548001	Boron - Dissolved mg/L	<0.05
PB2	22/05/2018	1150	ME1800676001	Boron - Dissolved mg/L	<0.05
PB2	20/06/2018	1056	ME1800816001	Boron - Dissolved mg/L	<0.05
PB2	20/07/2018	1115	ME1800947001	Boron - Dissolved mg/L	<0.05
PB2	10/08/2018	1145	ME1801055001	Boron - Dissolved mg/L	<0.05
PB2	17/09/2018	1133	ME1801223001	Boron - Dissolved mg/L	<0.05
PB2	23/10/2018	1249	ME1801391001	Boron - Dissolved mg/L	<0.05
PB2	22/11/2018	1038	ME1801533001	Boron - Dissolved mg/L	<0.05
PB2	18/12/2018	1143	ME1801653001	Boron - Dissolved mg/L	<0.05
PB2	14/01/2019	1253	ME1900052001	Boron - Dissolved mg/L	<0.05
PB2	21/02/2019	1214	ME1900241001	Boron - Dissolved mg/L	<0.05
PB2	18/03/2019	1205	ME1900366001	Boron - Dissolved mg/L	<0.05
PB2	15/04/2019	1113	ME1900507001	Boron - Dissolved mg/L	<0.05
PB2	21/05/2019	1151	ME1900651001	Boron - Dissolved mg/L	<0.05
PB2	13/06/2019	1140	ME1900760001	Boron - Dissolved mg/L	0.09
PB2	15/07/2019	1005	ME1900896001	Boron - Dissolved mg/L	<0.05
PB2	20/08/2019	1150	ME1901071001	Boron - Dissolved mg/L	<0.05
PB2	16/09/2019	1347	ME1901212001	Boron - Dissolved mg/L	<0.05
PB2	24/10/2019	1117	ME1901416001	Boron - Dissolved mg/L	<0.05
PB2	18/11/2019	1143	ME1901522001	Boron - Dissolved mg/L	<0.05
PB2	17/12/2019	1156	ME1901703001	Boron - Dissolved mg/L	<0.05
PB2	23/01/2020	1030	ME2000111001	Boron - Dissolved mg/L	<0.05
PB2	12/02/2020	1136	ME2000226001	Boron - Dissolved mg/L	<0.05
PB2	18/03/2020	1203	ME2000433001	Boron - Dissolved mg/L	<0.05
PB2	21/04/2020	1130	ME2000603001	Boron - Dissolved mg/L	<0.05
PB2	21/07/2015	1142	ME1510178001	Cadmium - Dissolved mg/L	<0.0001
PB2	19/08/2015	1202	ME1510333001	Cadmium - Dissolved mg/L	<0.0001
PB2	18/09/2015	1204	ME1510475001	Cadmium - Dissolved mg/L	<0.0001
PB2	27/10/2015	1128	ME1510672001	Cadmium - Dissolved mg/L	<0.0001
PB2	20/11/2015	1040	ME1510819001	Cadmium - Dissolved mg/L	<0.0001
PB2	17/12/2015	1147	ME1510975001	Cadmium - Dissolved mg/L	<0.0001
PB2	20/01/2016	1150	ME1600097001	Cadmium - Dissolved mg/L	<0.0001
PB2	25/02/2016	1150	ME1600272001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/03/2016	1137	ME1600392001	Cadmium - Dissolved mg/L	<0.0001
PB2	06/04/2016	1151	ME1600471001	Cadmium - Dissolved mg/L	<0.0001
PB2	20/05/2016	1041	ME1600692001	Cadmium - Dissolved mg/L	<0.0001
PB2	17/06/2016	1106	ME1600840001	Cadmium - Dissolved mg/L	<0.0001
PB2	22/07/2016	1119	ME1601029001	Cadmium - Dissolved mg/L	<0.0001

PB2	24/08/2016	1149	ME1601180001	Cadmium - Dissolved mg/L	<0.0001
PB2	06/09/2016	1150	ME1601240001	Cadmium - Dissolved mg/L	<0.0001
PB2	27/10/2016	1121	ME1601510001	Cadmium - Dissolved mg/L	0.0001
PB2	22/11/2016	1149	ME1601646001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/12/2016	1106	ME1601801001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/12/2016	1106	ME1601801001	Cadmium - Dissolved mg/L	<0.0001
PB2	25/01/2017	1041	ME1700124001	Cadmium - Dissolved mg/L	<0.0001
PB2	25/01/2017	1041	ME1700124001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/02/2017	1132	ME1700243001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/02/2017	1132	ME1700243001	Cadmium - Dissolved mg/L	<0.0001
PB2	22/03/2017	1359	ME1700413001	Cadmium - Dissolved mg/L	<0.0001
PB2	22/03/2017	1359	ME1700413001	Cadmium - Dissolved mg/L	<0.0001
PB2	26/04/2017	1108	ME1700582001	Cadmium - Dissolved mg/L	<0.0001
PB2	26/04/2017	1108	ME1700582001	Cadmium - Dissolved mg/L	<0.0001
PB2	19/05/2017	1208	ME1700709001	Cadmium - Dissolved mg/L	<0.0001
PB2	22/06/2017	1052	ME1700866001	Cadmium - Dissolved mg/L	<0.0001
PB2	24/07/2017	1136	ME1701008001	Cadmium - Dissolved mg/L	<0.0001
PB2	17/08/2017	1157	ME1701130001	Cadmium - Dissolved mg/L	<0.0001
PB2	18/09/2017	1216	ME1701275001	Cadmium - Dissolved mg/L	<0.0001
PB2	16/10/2017	1229	ME1701413001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/11/2017	1240	ME1701588001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/12/2017	1032	ME1701771001	Cadmium - Dissolved mg/L	<0.0001
PB2	11/01/2018	1222	ME1800056001	Cadmium - Dissolved mg/L	<0.0001
PB2	19/02/2018	1214	ME1800240001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/03/2018	1142	ME1800392001	Cadmium - Dissolved mg/L	<0.0001
PB2	26/04/2018	1209	ME1800548001	Cadmium - Dissolved mg/L	<0.0001
PB2	22/05/2018	1150	ME1800676001	Cadmium - Dissolved mg/L	<0.0001
PB2	20/06/2018	1056	ME1800816001	Cadmium - Dissolved mg/L	<0.0001
PB2	20/07/2018	1115	ME1800947001	Cadmium - Dissolved mg/L	<0.0001
PB2	10/08/2018	1145	ME1801055001	Cadmium - Dissolved mg/L	<0.0001
PB2	17/09/2018	1133	ME1801223001	Cadmium - Dissolved mg/L	<0.0001
PB2	23/10/2018	1249	ME1801391001	Cadmium - Dissolved mg/L	<0.0001
PB2	22/11/2018	1038	ME1801533001	Cadmium - Dissolved mg/L	<0.0001
PB2	18/12/2018	1143	ME1801653001	Cadmium - Dissolved mg/L	<0.0001
PB2	14/01/2019	1253	ME1900052001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/02/2019	1214	ME1900241001	Cadmium - Dissolved mg/L	<0.0001
PB2	18/03/2019	1205	ME1900366001	Cadmium - Dissolved mg/L	<0.0001
PB2	15/04/2019	1113	ME1900507001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/05/2019	1151	ME1900651001	Cadmium - Dissolved mg/L	<0.0001
PB2	13/06/2019	1140	ME1900760001	Cadmium - Dissolved mg/L	<0.0001
PB2	15/07/2019	1005	ME1900896001	Cadmium - Dissolved mg/L	<0.0001
PB2	20/08/2019	1150	ME1901071001	Cadmium - Dissolved mg/L	<0.0001
PB2	16/09/2019	1347	ME1901212001	Cadmium - Dissolved mg/L	<0.0001
PB2	24/10/2019	1117	ME1901416001	Cadmium - Dissolved mg/L	<0.0001
PB2	18/11/2019	1143	ME1901522001	Cadmium - Dissolved mg/L	<0.0001
PB2	17/12/2019	1156	ME1901703001	Cadmium - Dissolved mg/L	<0.0001
PB2	23/01/2020	1030	ME2000111001	Cadmium - Dissolved mg/L	<0.0001

PB2	12/02/2020	1136	ME2000226001	Cadmium - Dissolved mg/L	<0.0001
PB2	18/03/2020	1203	ME2000433001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/04/2020	1130	ME2000603001	Cadmium - Dissolved mg/L	<0.0001
PB2	21/07/2015	1142	ME1510178001	Calcium - Dissolved mg/L	232
PB2	19/08/2015	1202	ME1510333001	Calcium - Dissolved mg/L	286
PB2	18/09/2015	1204	ME1510475001	Calcium - Dissolved mg/L	219
PB2	27/10/2015	1128	ME1510672001	Calcium - Dissolved mg/L	240
PB2	20/11/2015	1040	ME1510819001	Calcium - Dissolved mg/L	231
PB2	17/12/2015	1147	ME1510975001	Calcium - Dissolved mg/L	46
PB2	20/01/2016	1150	ME1600097001	Calcium - Dissolved mg/L	46
PB2	25/02/2016	1150	ME1600272001	Calcium - Dissolved mg/L	33
PB2	21/03/2016	1137	ME1600392001	Calcium - Dissolved mg/L	31
PB2	06/04/2016	1151	ME1600471001	Calcium - Dissolved mg/L	28
PB2	20/05/2016	1041	ME1600692001	Calcium - Dissolved mg/L	23
PB2	17/06/2016	1106	ME1600840001	Calcium - Dissolved mg/L	24
PB2	22/07/2016	1119	ME1601029001	Calcium - Dissolved mg/L	16
PB2	24/08/2016	1149	ME1601180001	Calcium - Dissolved mg/L	16
PB2	06/09/2016	1150	ME1601240001	Calcium - Dissolved mg/L	15
PB2	27/10/2016	1121	ME1601510001	Calcium - Dissolved mg/L	10
PB2	22/11/2016	1149	ME1601646001	Calcium - Dissolved mg/L	22
PB2	21/12/2016	1106	ME1601801001	Calcium - Dissolved mg/L	48
PB2	21/12/2016	1106	ME1601801001	Calcium - Dissolved mg/L	48
PB2	25/01/2017	1041	ME1700124001	Calcium - Dissolved mg/L	95
PB2	25/01/2017	1041	ME1700124001	Calcium - Dissolved mg/L	95
PB2	21/02/2017	1132	ME1700243001	Calcium - Dissolved mg/L	107
PB2	21/02/2017	1132	ME1700243001	Calcium - Dissolved mg/L	107
PB2	22/03/2017	1359	ME1700413001	Calcium - Dissolved mg/L	103
PB2	22/03/2017	1359	ME1700413001	Calcium - Dissolved mg/L	103
PB2	26/04/2017	1108	ME1700582001	Calcium - Dissolved mg/L	96
PB2	26/04/2017	1108	ME1700582001	Calcium - Dissolved mg/L	96
PB2	19/05/2017	1208	ME1700709001	Calcium - Dissolved mg/L	100
PB2	22/06/2017	1052	ME1700866001	Calcium - Dissolved mg/L	105
PB2	24/07/2017	1136	ME1701008001	Calcium - Dissolved mg/L	102
PB2	17/08/2017	1157	ME1701130001	Calcium - Dissolved mg/L	90
PB2	18/09/2017	1216	ME1701275001	Calcium - Dissolved mg/L	109
PB2	16/10/2017	1229	ME1701413001	Calcium - Dissolved mg/L	109
PB2	21/11/2017	1240	ME1701588001	Calcium - Dissolved mg/L	109
PB2	21/12/2017	1032	ME1701771001	Calcium - Dissolved mg/L	133
PB2	11/01/2018	1222	ME1800056001	Calcium - Dissolved mg/L	196
PB2	19/02/2018	1214	ME1800240001	Calcium - Dissolved mg/L	239
PB2	21/03/2018	1142	ME1800392001	Calcium - Dissolved mg/L	238
PB2	26/04/2018	1209	ME1800548001	Calcium - Dissolved mg/L	235
PB2	22/05/2018	1150	ME1800676001	Calcium - Dissolved mg/L	230
PB2	20/06/2018	1056	ME1800816001	Calcium - Dissolved mg/L	222
PB2	20/07/2018	1115	ME1800947001	Calcium - Dissolved mg/L	230
PB2	10/08/2018	1145	ME1801055001	Calcium - Dissolved mg/L	218
PB2	17/09/2018	1133	ME1801223001	Calcium - Dissolved mg/L	210

PB2	23/10/2018	1249	ME1801391001	Calcium - Dissolved mg/L	221
PB2	22/11/2018	1038	ME1801533001	Calcium - Dissolved mg/L	224
PB2	18/12/2018	1143	ME1801653001	Calcium - Dissolved mg/L	236
PB2	14/01/2019	1253	ME1900052001	Calcium - Dissolved mg/L	237
PB2	21/02/2019	1214	ME1900241001	Calcium - Dissolved mg/L	237
PB2	18/03/2019	1205	ME1900366001	Calcium - Dissolved mg/L	235
PB2	15/04/2019	1113	ME1900507001	Calcium - Dissolved mg/L	220
PB2	21/05/2019	1151	ME1900651001	Calcium - Dissolved mg/L	239
PB2	13/06/2019	1140	ME1900760001	Calcium - Dissolved mg/L	230
PB2	15/07/2019	1005	ME1900896001	Calcium - Dissolved mg/L	234
PB2	20/08/2019	1150	ME1901071001	Calcium - Dissolved mg/L	208
PB2	16/09/2019	1347	ME1901212001	Calcium - Dissolved mg/L	224
PB2	24/10/2019	1117	ME1901416001	Calcium - Dissolved mg/L	227
PB2	18/11/2019	1143	ME1901522001	Calcium - Dissolved mg/L	227
PB2	17/12/2019	1156	ME1901703001	Calcium - Dissolved mg/L	217
PB2	23/01/2020	1030	ME2000111001	Calcium - Dissolved mg/L	232
PB2	12/02/2020	1136	ME2000226001	Calcium - Dissolved mg/L	202
PB2	18/03/2020	1203	ME2000433001	Calcium - Dissolved mg/L	228
PB2	21/04/2020	1130	ME2000603001	Calcium - Dissolved mg/L	241
PB2	21/07/2015	1142	ME1510178001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	19/08/2015	1202	ME1510333001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	18/09/2015	1204	ME1510475001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	27/10/2015	1128	ME1510672001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	20/11/2015	1040	ME1510819001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	17/12/2015	1147	ME1510975001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	20/01/2016	1150	ME1600097001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	25/02/2016	1150	ME1600272001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/03/2016	1137	ME1600392001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	06/04/2016	1151	ME1600471001	Carbonate Alkalinity as CaCO3 mg/L	4
PB2	20/05/2016	1041	ME1600692001	Carbonate Alkalinity as CaCO3 mg/L	2
PB2	17/06/2016	1106	ME1600840001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	22/07/2016	1119	ME1601029001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	24/08/2016	1149	ME1601180001	Carbonate Alkalinity as CaCO3 mg/L	7
PB2	06/09/2016	1150	ME1601240001	Carbonate Alkalinity as CaCO3 mg/L	3
PB2	27/10/2016	1121	ME1601510001	Carbonate Alkalinity as CaCO3 mg/L	40
PB2	22/11/2016	1149	ME1601646001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/12/2016	1106	ME1601801001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/12/2016	1106	ME1601801001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	25/01/2017	1041	ME1700124001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	25/01/2017	1041	ME1700124001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/02/2017	1132	ME1700243001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/02/2017	1132	ME1700243001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	22/03/2017	1359	ME1700413001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	22/03/2017	1359	ME1700413001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	26/04/2017	1108	ME1700582001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	26/04/2017	1108	ME1700582001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	19/05/2017	1208	ME1700709001	Carbonate Alkalinity as CaCO3 mg/L	<1

PB2	22/06/2017	1052	ME1700866001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	24/07/2017	1136	ME1701008001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	17/08/2017	1157	ME1701130001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	18/09/2017	1216	ME1701275001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	16/10/2017	1229	ME1701413001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/11/2017	1240	ME1701588001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/12/2017	1032	ME1701771001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	11/01/2018	1222	ME1800056001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	19/02/2018	1214	ME1800240001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/03/2018	1142	ME1800392001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	26/04/2018	1209	ME1800548001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	22/05/2018	1150	ME1800676001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	20/06/2018	1056	ME1800816001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	20/07/2018	1115	ME1800947001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	10/08/2018	1145	ME1801055001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	17/09/2018	1133	ME1801223001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	23/10/2018	1249	ME1801391001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	22/11/2018	1038	ME1801533001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	18/12/2018	1143	ME1801653001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	14/01/2019	1253	ME1900052001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/02/2019	1214	ME1900241001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	18/03/2019	1205	ME1900366001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	15/04/2019	1113	ME1900507001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/05/2019	1151	ME1900651001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	13/06/2019	1140	ME1900760001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	15/07/2019	1005	ME1900896001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	20/08/2019	1150	ME1901071001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	16/09/2019	1347	ME1901212001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	24/10/2019	1117	ME1901416001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	18/11/2019	1143	ME1901522001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	17/12/2019	1156	ME1901703001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	23/01/2020	1030	ME2000111001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	12/02/2020	1136	ME2000226001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	18/03/2020	1203	ME2000433001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/04/2020	1130	ME2000603001	Carbonate Alkalinity as CaCO3 mg/L	<1
PB2	21/07/2015	1142	ME1510178001	Chloride mg/L	60
PB2	19/08/2015	1202	ME1510333001	Chloride mg/L	58
PB2	18/09/2015	1204	ME1510475001	Chloride mg/L	80
PB2	27/10/2015	1128	ME1510672001	Chloride mg/L	69
PB2	20/11/2015	1040	ME1510819001	Chloride mg/L	75
PB2	17/12/2015	1147	ME1510975001	Chloride mg/L	72
PB2	20/01/2016	1150	ME1600097001	Chloride mg/L	78
PB2	25/02/2016	1150	ME1600272001	Chloride mg/L	70
PB2	21/03/2016	1137	ME1600392001	Chloride mg/L	76
PB2	06/04/2016	1151	ME1600471001	Chloride mg/L	70
PB2	20/05/2016	1041	ME1600692001	Chloride mg/L	73
PB2	17/06/2016	1106	ME1600840001	Chloride mg/L	72

PB2	22/07/2016	1119	ME1601029001	Chloride mg/L	<1
PB2	24/08/2016	1149	ME1601180001	Chloride mg/L	79
PB2	06/09/2016	1150	ME1601240001	Chloride mg/L	73
PB2	27/10/2016	1121	ME1601510001	Chloride mg/L	57
PB2	22/11/2016	1149	ME1601646001	Chloride mg/L	75
PB2	21/12/2016	1106	ME1601801001	Chloride mg/L	78
PB2	21/12/2016	1106	ME1601801001	Chloride mg/L	78
PB2	25/01/2017	1041	ME1700124001	Chloride mg/L	69
PB2	25/01/2017	1041	ME1700124001	Chloride mg/L	69
PB2	21/02/2017	1132	ME1700243001	Chloride mg/L	70
PB2	21/02/2017	1132	ME1700243001	Chloride mg/L	70
PB2	22/03/2017	1359	ME1700413001	Chloride mg/L	71
PB2	22/03/2017	1359	ME1700413001	Chloride mg/L	71
PB2	26/04/2017	1108	ME1700582001	Chloride mg/L	86
PB2	26/04/2017	1108	ME1700582001	Chloride mg/L	86
PB2	19/05/2017	1208	ME1700709001	Chloride mg/L	77
PB2	22/06/2017	1052	ME1700866001	Chloride mg/L	76
PB2	24/07/2017	1136	ME1701008001	Chloride mg/L	70
PB2	17/08/2017	1157	ME1701130001	Chloride mg/L	80
PB2	18/09/2017	1216	ME1701275001	Chloride mg/L	79
PB2	16/10/2017	1229	ME1701413001	Chloride mg/L	72
PB2	21/11/2017	1240	ME1701588001	Chloride mg/L	83
PB2	21/12/2017	1032	ME1701771001	Chloride mg/L	102
PB2	11/01/2018	1222	ME1800056001	Chloride mg/L	75
PB2	19/02/2018	1214	ME1800240001	Chloride mg/L	74
PB2	21/03/2018	1142	ME1800392001	Chloride mg/L	78
PB2	26/04/2018	1209	ME1800548001	Chloride mg/L	81
PB2	22/05/2018	1150	ME1800676001	Chloride mg/L	68
PB2	20/06/2018	1056	ME1800816001	Chloride mg/L	76
PB2	20/07/2018	1115	ME1800947001	Chloride mg/L	78
PB2	10/08/2018	1145	ME1801055001	Chloride mg/L	105
PB2	17/09/2018	1133	ME1801223001	Chloride mg/L	119
PB2	23/10/2018	1249	ME1801391001	Chloride mg/L	74
PB2	22/11/2018	1038	ME1801533001	Chloride mg/L	70
PB2	18/12/2018	1143	ME1801653001	Chloride mg/L	78
PB2	14/01/2019	1253	ME1900052001	Chloride mg/L	74
PB2	21/02/2019	1214	ME1900241001	Chloride mg/L	80
PB2	18/03/2019	1205	ME1900366001	Chloride mg/L	76
PB2	15/04/2019	1113	ME1900507001	Chloride mg/L	77
PB2	21/05/2019	1151	ME1900651001	Chloride mg/L	67
PB2	13/06/2019	1140	ME1900760001	Chloride mg/L	72
PB2	15/07/2019	1005	ME1900896001	Chloride mg/L	64
PB2	20/08/2019	1150	ME1901071001	Chloride mg/L	88
PB2	16/09/2019	1347	ME1901212001	Chloride mg/L	67
PB2	24/10/2019	1117	ME1901416001	Chloride mg/L	74
PB2	18/11/2019	1143	ME1901522001	Chloride mg/L	84
PB2	17/12/2019	1156	ME1901703001	Chloride mg/L	91

PB2	23/01/2020	1030	ME2000111001	Chloride mg/L	72
PB2	12/02/2020	1136	ME2000226001	Chloride mg/L	69
PB2	18/03/2020	1203	ME2000433001	Chloride mg/L	77
PB2	21/04/2020	1130	ME2000603001	Chloride mg/L	70
PB2	21/07/2015	1142	ME1510178001	Chromium - Dissolved mg/L	<0.001
PB2	19/08/2015	1202	ME1510333001	Chromium - Dissolved mg/L	<0.001
PB2	18/09/2015	1204	ME1510475001	Chromium - Dissolved mg/L	<0.001
PB2	27/10/2015	1128	ME1510672001	Chromium - Dissolved mg/L	<0.001
PB2	20/11/2015	1040	ME1510819001	Chromium - Dissolved mg/L	<0.001
PB2	17/12/2015	1147	ME1510975001	Chromium - Dissolved mg/L	<0.001
PB2	20/01/2016	1150	ME1600097001	Chromium - Dissolved mg/L	<0.001
PB2	25/02/2016	1150	ME1600272001	Chromium - Dissolved mg/L	<0.001
PB2	21/03/2016	1137	ME1600392001	Chromium - Dissolved mg/L	<0.001
PB2	06/04/2016	1151	ME1600471001	Chromium - Dissolved mg/L	<0.001
PB2	20/05/2016	1041	ME1600692001	Chromium - Dissolved mg/L	<0.001
PB2	17/06/2016	1106	ME1600840001	Chromium - Dissolved mg/L	<0.001
PB2	22/07/2016	1119	ME1601029001	Chromium - Dissolved mg/L	<0.001
PB2	24/08/2016	1149	ME1601180001	Chromium - Dissolved mg/L	<0.001
PB2	06/09/2016	1150	ME1601240001	Chromium - Dissolved mg/L	<0.001
PB2	27/10/2016	1121	ME1601510001	Chromium - Dissolved mg/L	<0.001
PB2	22/11/2016	1149	ME1601646001	Chromium - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Chromium - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Chromium - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Chromium - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Chromium - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Chromium - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Chromium - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Chromium - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Chromium - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Chromium - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Chromium - Dissolved mg/L	<0.001
PB2	19/05/2017	1208	ME1700709001	Chromium - Dissolved mg/L	<0.001
PB2	22/06/2017	1052	ME1700866001	Chromium - Dissolved mg/L	<0.001
PB2	24/07/2017	1136	ME1701008001	Chromium - Dissolved mg/L	<0.001
PB2	17/08/2017	1157	ME1701130001	Chromium - Dissolved mg/L	<0.001
PB2	18/09/2017	1216	ME1701275001	Chromium - Dissolved mg/L	<0.001
PB2	16/10/2017	1229	ME1701413001	Chromium - Dissolved mg/L	<0.001
PB2	21/11/2017	1240	ME1701588001	Chromium - Dissolved mg/L	<0.001
PB2	21/12/2017	1032	ME1701771001	Chromium - Dissolved mg/L	<0.001
PB2	11/01/2018	1222	ME1800056001	Chromium - Dissolved mg/L	<0.001
PB2	19/02/2018	1214	ME1800240001	Chromium - Dissolved mg/L	<0.001
PB2	21/03/2018	1142	ME1800392001	Chromium - Dissolved mg/L	<0.001
PB2	26/04/2018	1209	ME1800548001	Chromium - Dissolved mg/L	<0.001
PB2	22/05/2018	1150	ME1800676001	Chromium - Dissolved mg/L	<0.001
PB2	20/06/2018	1056	ME1800816001	Chromium - Dissolved mg/L	<0.001
PB2	20/07/2018	1115	ME1800947001	Chromium - Dissolved mg/L	<0.001
PB2	10/08/2018	1145	ME1801055001	Chromium - Dissolved mg/L	<0.001

PB2	17/09/2018	1133	ME1801223001	Chromium - Dissolved mg/L	<0.001
PB2	23/10/2018	1249	ME1801391001	Chromium - Dissolved mg/L	<0.001
PB2	22/11/2018	1038	ME1801533001	Chromium - Dissolved mg/L	<0.001
PB2	18/12/2018	1143	ME1801653001	Chromium - Dissolved mg/L	<0.001
PB2	14/01/2019	1253	ME1900052001	Chromium - Dissolved mg/L	<0.001
PB2	21/02/2019	1214	ME1900241001	Chromium - Dissolved mg/L	<0.001
PB2	18/03/2019	1205	ME1900366001	Chromium - Dissolved mg/L	<0.001
PB2	15/04/2019	1113	ME1900507001	Chromium - Dissolved mg/L	<0.001
PB2	21/05/2019	1151	ME1900651001	Chromium - Dissolved mg/L	<0.001
PB2	13/06/2019	1140	ME1900760001	Chromium - Dissolved mg/L	<0.001
PB2	15/07/2019	1005	ME1900896001	Chromium - Dissolved mg/L	<0.001
PB2	20/08/2019	1150	ME1901071001	Chromium - Dissolved mg/L	<0.001
PB2	16/09/2019	1347	ME1901212001	Chromium - Dissolved mg/L	<0.001
PB2	24/10/2019	1117	ME1901416001	Chromium - Dissolved mg/L	<0.001
PB2	18/11/2019	1143	ME1901522001	Chromium - Dissolved mg/L	<0.001
PB2	17/12/2019	1156	ME1901703001	Chromium - Dissolved mg/L	<0.001
PB2	23/01/2020	1030	ME2000111001	Chromium - Dissolved mg/L	0.001
PB2	12/02/2020	1136	ME2000226001	Chromium - Dissolved mg/L	<0.001
PB2	18/03/2020	1203	ME2000433001	Chromium - Dissolved mg/L	<0.001
PB2	21/04/2020	1130	ME2000603001	Chromium - Dissolved mg/L	<0.001
PB2	21/07/2015	1142	ME1510178001	Conductivity @ 25oC µS/cm	3120
PB2	19/08/2015	1202	ME1510333001	Conductivity @ 25oC µS/cm	3080
PB2	18/09/2015	1204	ME1510475001	Conductivity @ 25oC µS/cm	3120
PB2	27/10/2015	1128	ME1510672001	Conductivity @ 25oC µS/cm	3130
PB2	20/11/2015	1040	ME1510819001	Conductivity @ 25oC µS/cm	3090
PB2	17/12/2015	1147	ME1510975001	Conductivity @ 25oC µS/cm	1690
PB2	20/01/2016	1150	ME1600097001	Conductivity @ 25oC µS/cm	1690
PB2	25/02/2016	1150	ME1600272001	Conductivity @ 25oC µS/cm	1630
PB2	21/03/2016	1137	ME1600392001	Conductivity @ 25oC µS/cm	1630
PB2	06/04/2016	1151	ME1600471001	Conductivity @ 25oC µS/cm	1560
PB2	20/05/2016	1041	ME1600692001	Conductivity @ 25oC µS/cm	1550
PB2	17/06/2016	1106	ME1600840001	Conductivity @ 25oC µS/cm	1460
PB2	22/07/2016	1119	ME1601029001	Conductivity @ 25oC µS/cm	1510
PB2	24/08/2016	1149	ME1601180001	Conductivity @ 25oC µS/cm	1520
PB2	06/09/2016	1150	ME1601240001	Conductivity @ 25oC µS/cm	1520
PB2	27/10/2016	1121	ME1601510001	Conductivity @ 25oC µS/cm	1500
PB2	22/11/2016	1149	ME1601646001	Conductivity @ 25oC µS/cm	1580
PB2	21/12/2016	1106	ME1601801001	Conductivity @ 25oC µS/cm	1810
PB2	21/12/2016	1106	ME1601801001	Conductivity @ 25oC µS/cm	1810
PB2	25/01/2017	1041	ME1700124001	Conductivity @ 25oC µS/cm	2050
PB2	25/01/2017	1041	ME1700124001	Conductivity @ 25oC µS/cm	2050
PB2	21/02/2017	1132	ME1700243001	Conductivity @ 25oC µS/cm	1990
PB2	21/02/2017	1132	ME1700243001	Conductivity @ 25oC µS/cm	1990
PB2	22/03/2017	1359	ME1700413001	Conductivity @ 25oC µS/cm	1980
PB2	22/03/2017	1359	ME1700413001	Conductivity @ 25oC µS/cm	1980
PB2	26/04/2017	1108	ME1700582001	Conductivity @ 25oC µS/cm	1930
PB2	26/04/2017	1108	ME1700582001	Conductivity @ 25oC µS/cm	1930

PB2	19/05/2017	1208	ME1700709001	Conductivity @ 25oC µS/cm	1920
PB2	22/06/2017	1052	ME1700866001	Conductivity @ 25oC µS/cm	1870
PB2	24/07/2017	1136	ME1701008001	Conductivity @ 25oC µS/cm	1890
PB2	17/08/2017	1157	ME1701130001	Conductivity @ 25oC µS/cm	1910
PB2	18/09/2017	1216	ME1701275001	Conductivity @ 25oC µS/cm	1900
PB2	16/10/2017	1229	ME1701413001	Conductivity @ 25oC µS/cm	1900
PB2	21/11/2017	1240	ME1701588001	Conductivity @ 25oC µS/cm	1930
PB2	21/12/2017	1032	ME1701771001	Conductivity @ 25oC µS/cm	2110
PB2	11/01/2018	1222	ME1800056001	Conductivity @ 25oC µS/cm	2670
PB2	19/02/2018	1214	ME1800240001	Conductivity @ 25oC µS/cm	3310
PB2	21/03/2018	1142	ME1800392001	Conductivity @ 25oC µS/cm	3140
PB2	26/04/2018	1209	ME1800548001	Conductivity @ 25oC µS/cm	3470
PB2	22/05/2018	1150	ME1800676001	Conductivity @ 25oC µS/cm	3440
PB2	20/06/2018	1056	ME1800816001	Conductivity @ 25oC µS/cm	3380
PB2	20/07/2018	1115	ME1800947001	Conductivity @ 25oC µS/cm	3360
PB2	10/08/2018	1145	ME1801055001	Conductivity @ 25oC µS/cm	3280
PB2	17/09/2018	1133	ME1801223001	Conductivity @ 25oC µS/cm	3410
PB2	23/10/2018	1249	ME1801391001	Conductivity @ 25oC µS/cm	3340
PB2	22/11/2018	1038	ME1801533001	Conductivity @ 25oC µS/cm	3380
PB2	18/12/2018	1143	ME1801653001	Conductivity @ 25oC µS/cm	3450
PB2	14/01/2019	1253	ME1900052001	Conductivity @ 25oC µS/cm	3430
PB2	21/02/2019	1214	ME1900241001	Conductivity @ 25oC µS/cm	3430
PB2	18/03/2019	1205	ME1900366001	Conductivity @ 25oC µS/cm	3500
PB2	15/04/2019	1113	ME1900507001	Conductivity @ 25oC µS/cm	3440
PB2	21/05/2019	1151	ME1900651001	Conductivity @ 25oC µS/cm	3430
PB2	13/06/2019	1140	ME1900760001	Conductivity @ 25oC µS/cm	3410
PB2	15/07/2019	1005	ME1900896001	Conductivity @ 25oC µS/cm	3430
PB2	20/08/2019	1150	ME1901071001	Conductivity @ 25oC µS/cm	3420
PB2	16/09/2019	1347	ME1901212001	Conductivity @ 25oC µS/cm	3420
PB2	24/10/2019	1117	ME1901416001	Conductivity @ 25oC µS/cm	3400
PB2	18/11/2019	1143	ME1901522001	Conductivity @ 25oC µS/cm	3300
PB2	17/12/2019	1156	ME1901703001	Conductivity @ 25oC µS/cm	3300
PB2	23/01/2020	1030	ME2000111001	Conductivity @ 25oC µS/cm	3350
PB2	12/02/2020	1136	ME2000226001	Conductivity @ 25oC µS/cm	3310
PB2	18/03/2020	1203	ME2000433001	Conductivity @ 25oC µS/cm	3450
PB2	21/04/2020	1130	ME2000603001	Conductivity @ 25oC µS/cm	3360
PB2	21/07/2015	1142	ME1510178001	Copper - Dissolved mg/L	<0.001
PB2	19/08/2015	1202	ME1510333001	Copper - Dissolved mg/L	<0.001
PB2	18/09/2015	1204	ME1510475001	Copper - Dissolved mg/L	<0.001
PB2	27/10/2015	1128	ME1510672001	Copper - Dissolved mg/L	<0.001
PB2	20/11/2015	1040	ME1510819001	Copper - Dissolved mg/L	<0.001
PB2	17/12/2015	1147	ME1510975001	Copper - Dissolved mg/L	0.002
PB2	20/01/2016	1150	ME1600097001	Copper - Dissolved mg/L	<0.001
PB2	25/02/2016	1150	ME1600272001	Copper - Dissolved mg/L	<0.001
PB2	21/03/2016	1137	ME1600392001	Copper - Dissolved mg/L	<0.001
PB2	06/04/2016	1151	ME1600471001	Copper - Dissolved mg/L	<0.001
PB2	20/05/2016	1041	ME1600692001	Copper - Dissolved mg/L	<0.001

PB2	17/06/2016	1106	ME1600840001	Copper - Dissolved mg/L	<0.001
PB2	22/07/2016	1119	ME1601029001	Copper - Dissolved mg/L	<0.001
PB2	24/08/2016	1149	ME1601180001	Copper - Dissolved mg/L	<0.001
PB2	06/09/2016	1150	ME1601240001	Copper - Dissolved mg/L	<0.001
PB2	27/10/2016	1121	ME1601510001	Copper - Dissolved mg/L	<0.001
PB2	22/11/2016	1149	ME1601646001	Copper - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Copper - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Copper - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Copper - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Copper - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Copper - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Copper - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Copper - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Copper - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Copper - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Copper - Dissolved mg/L	<0.001
PB2	19/05/2017	1208	ME1700709001	Copper - Dissolved mg/L	<0.001
PB2	22/06/2017	1052	ME1700866001	Copper - Dissolved mg/L	<0.001
PB2	24/07/2017	1136	ME1701008001	Copper - Dissolved mg/L	<0.001
PB2	17/08/2017	1157	ME1701130001	Copper - Dissolved mg/L	<0.001
PB2	18/09/2017	1216	ME1701275001	Copper - Dissolved mg/L	<0.001
PB2	16/10/2017	1229	ME1701413001	Copper - Dissolved mg/L	<0.001
PB2	21/11/2017	1240	ME1701588001	Copper - Dissolved mg/L	<0.001
PB2	21/12/2017	1032	ME1701771001	Copper - Dissolved mg/L	0.004
PB2	11/01/2018	1222	ME1800056001	Copper - Dissolved mg/L	<0.001
PB2	19/02/2018	1214	ME1800240001	Copper - Dissolved mg/L	<0.001
PB2	21/03/2018	1142	ME1800392001	Copper - Dissolved mg/L	<0.001
PB2	26/04/2018	1209	ME1800548001	Copper - Dissolved mg/L	<0.001
PB2	22/05/2018	1150	ME1800676001	Copper - Dissolved mg/L	<0.001
PB2	20/06/2018	1056	ME1800816001	Copper - Dissolved mg/L	<0.001
PB2	20/07/2018	1115	ME1800947001	Copper - Dissolved mg/L	<0.001
PB2	10/08/2018	1145	ME1801055001	Copper - Dissolved mg/L	0.001
PB2	17/09/2018	1133	ME1801223001	Copper - Dissolved mg/L	0.001
PB2	23/10/2018	1249	ME1801391001	Copper - Dissolved mg/L	<0.001
PB2	22/11/2018	1038	ME1801533001	Copper - Dissolved mg/L	<0.001
PB2	18/12/2018	1143	ME1801653001	Copper - Dissolved mg/L	<0.001
PB2	14/01/2019	1253	ME1900052001	Copper - Dissolved mg/L	<0.001
PB2	21/02/2019	1214	ME1900241001	Copper - Dissolved mg/L	<0.001
PB2	18/03/2019	1205	ME1900366001	Copper - Dissolved mg/L	<0.001
PB2	15/04/2019	1113	ME1900507001	Copper - Dissolved mg/L	<0.001
PB2	21/05/2019	1151	ME1900651001	Copper - Dissolved mg/L	<0.001
PB2	13/06/2019	1140	ME1900760001	Copper - Dissolved mg/L	<0.001
PB2	15/07/2019	1005	ME1900896001	Copper - Dissolved mg/L	<0.001
PB2	20/08/2019	1150	ME1901071001	Copper - Dissolved mg/L	<0.001
PB2	16/09/2019	1347	ME1901212001	Copper - Dissolved mg/L	<0.001
PB2	24/10/2019	1117	ME1901416001	Copper - Dissolved mg/L	<0.001
PB2	18/11/2019	1143	ME1901522001	Copper - Dissolved mg/L	<0.001

PB2	17/12/2019	1156	ME1901703001	Copper - Dissolved mg/L	<0.001
PB2	23/01/2020	1030	ME2000111001	Copper - Dissolved mg/L	<0.001
PB2	12/02/2020	1136	ME2000226001	Copper - Dissolved mg/L	<0.001
PB2	18/03/2020	1203	ME2000433001	Copper - Dissolved mg/L	<0.001
PB2	21/04/2020	1130	ME2000603001	Copper - Dissolved mg/L	<0.001
PB2	21/07/2015	1142	ME1510178001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	19/08/2015	1202	ME1510333001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	18/09/2015	1204	ME1510475001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	27/10/2015	1128	ME1510672001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	20/11/2015	1040	ME1510819001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	17/12/2015	1147	ME1510975001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	20/01/2016	1150	ME1600097001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	25/02/2016	1150	ME1600272001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/03/2016	1137	ME1600392001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	06/04/2016	1151	ME1600471001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	20/05/2016	1041	ME1600692001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	17/06/2016	1106	ME1600840001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	22/07/2016	1119	ME1601029001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	24/08/2016	1149	ME1601180001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	06/09/2016	1150	ME1601240001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	27/10/2016	1121	ME1601510001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	22/11/2016	1149	ME1601646001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/12/2016	1106	ME1601801001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/12/2016	1106	ME1601801001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	25/01/2017	1041	ME1700124001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	25/01/2017	1041	ME1700124001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/02/2017	1132	ME1700243001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/02/2017	1132	ME1700243001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	22/03/2017	1359	ME1700413001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	22/03/2017	1359	ME1700413001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	26/04/2017	1108	ME1700582001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	26/04/2017	1108	ME1700582001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	19/05/2017	1208	ME1700709001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	22/06/2017	1052	ME1700866001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	24/07/2017	1136	ME1701008001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	17/08/2017	1157	ME1701130001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	18/09/2017	1216	ME1701275001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	16/10/2017	1229	ME1701413001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/11/2017	1240	ME1701588001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/12/2017	1032	ME1701771001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	11/01/2018	1222	ME1800056001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	19/02/2018	1214	ME1800240001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/03/2018	1142	ME1800392001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	26/04/2018	1209	ME1800548001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	22/05/2018	1150	ME1800676001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	20/06/2018	1056	ME1800816001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	20/07/2018	1115	ME1800947001	Hydroxide Alkalinity as CaCO3 mg/L	<1

PB2	10/08/2018	1145	ME1801055001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	17/09/2018	1133	ME1801223001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	23/10/2018	1249	ME1801391001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	22/11/2018	1038	ME1801533001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	18/12/2018	1143	ME1801653001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	14/01/2019	1253	ME1900052001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/02/2019	1214	ME1900241001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	18/03/2019	1205	ME1900366001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	15/04/2019	1113	ME1900507001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/05/2019	1151	ME1900651001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	13/06/2019	1140	ME1900760001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	15/07/2019	1005	ME1900896001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	20/08/2019	1150	ME1901071001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	16/09/2019	1347	ME1901212001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	24/10/2019	1117	ME1901416001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	18/11/2019	1143	ME1901522001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	17/12/2019	1156	ME1901703001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	23/01/2020	1030	ME2000111001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	12/02/2020	1136	ME2000226001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	18/03/2020	1203	ME2000433001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/04/2020	1130	ME2000603001	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB2	21/07/2015	1142	ME1510178001	Ionic Balance %	9.46
PB2	19/08/2015	1202	ME1510333001	Ionic Balance %	2.38
PB2	18/09/2015	1204	ME1510475001	Ionic Balance %	2.56
PB2	27/10/2015	1128	ME1510672001	Ionic Balance %	7.17
PB2	20/11/2015	1040	ME1510819001	Ionic Balance %	8.67
PB2	17/12/2015	1147	ME1510975001	Ionic Balance %	5.29
PB2	20/01/2016	1150	ME1600097001	Ionic Balance %	3.77
PB2	25/02/2016	1150	ME1600272001	Ionic Balance %	3.98
PB2	21/03/2016	1137	ME1600392001	Ionic Balance %	2.49
PB2	06/04/2016	1151	ME1600471001	Ionic Balance %	1.79
PB2	20/05/2016	1041	ME1600692001	Ionic Balance %	4.56
PB2	17/06/2016	1106	ME1600840001	Ionic Balance %	1.97
PB2	22/07/2016	1119	ME1601029001	Ionic Balance %	5.98
PB2	24/08/2016	1149	ME1601180001	Ionic Balance %	9.29
PB2	06/09/2016	1150	ME1601240001	Ionic Balance %	6.12
PB2	27/10/2016	1121	ME1601510001	Ionic Balance %	4.89
PB2	22/11/2016	1149	ME1601646001	Ionic Balance %	4.86
PB2	21/12/2016	1106	ME1601801001	Ionic Balance %	7.53
PB2	25/01/2017	1041	ME1700124001	Ionic Balance %	1.09
PB2	21/02/2017	1132	ME1700243001	Ionic Balance %	4.07
PB2	22/03/2017	1359	ME1700413001	Ionic Balance %	2.48
PB2	26/04/2017	1108	ME1700582001	Ionic Balance %	3.84
PB2	26/04/2017	1108	ME1700582001	Ionic Balance %	3.84
PB2	19/05/2017	1208	ME1700709001	Ionic Balance %	4.36
PB2	22/06/2017	1052	ME1700866001	Ionic Balance %	2.3
PB2	24/07/2017	1136	ME1701008001	Ionic Balance %	3.56

PB2	17/08/2017	1157	ME1701130001	Ionic Balance %	6.86
PB2	18/09/2017	1216	ME1701275001	Ionic Balance %	4.91
PB2	16/10/2017	1229	ME1701413001	Ionic Balance %	3.04
PB2	21/11/2017	1240	ME1701588001	Ionic Balance %	0.26
PB2	21/12/2017	1032	ME1701771001	Ionic Balance %	0.1
PB2	11/01/2018	1222	ME1800056001	Ionic Balance %	8.84
PB2	19/02/2018	1214	ME1800240001	Ionic Balance %	6.55
PB2	21/03/2018	1142	ME1800392001	Ionic Balance %	7.33
PB2	26/04/2018	1209	ME1800548001	Ionic Balance %	4.61
PB2	22/05/2018	1150	ME1800676001	Ionic Balance %	9.68
PB2	20/06/2018	1056	ME1800816001	Ionic Balance %	10.3
PB2	20/07/2018	1115	ME1800947001	Ionic Balance %	10.3
PB2	10/08/2018	1145	ME1801055001	Ionic Balance %	3.6
PB2	17/09/2018	1133	ME1801223001	Ionic Balance %	13.6
PB2	23/10/2018	1249	ME1801391001	Ionic Balance %	9.72
PB2	22/11/2018	1038	ME1801533001	Ionic Balance %	15.4
PB2	18/12/2018	1143	ME1801653001	Ionic Balance %	9.83
PB2	14/01/2019	1253	ME1900052001	Ionic Balance %	1.43
PB2	21/02/2019	1214	ME1900241001	Ionic Balance %	9.63
PB2	18/03/2019	1205	ME1900366001	Ionic Balance %	10.1
PB2	15/04/2019	1113	ME1900507001	Ionic Balance %	6.2
PB2	21/05/2019	1151	ME1900651001	Ionic Balance %	5.08
PB2	13/06/2019	1140	ME1900760001	Ionic Balance %	0.75
PB2	15/07/2019	1005	ME1900896001	Ionic Balance %	11.4
PB2	20/08/2019	1150	ME1901071001	Ionic Balance %	14.5
PB2	16/09/2019	1347	ME1901212001	Ionic Balance %	8.81
PB2	24/10/2019	1117	ME1901416001	Ionic Balance %	1.68
PB2	18/11/2019	1143	ME1901522001	Ionic Balance %	3.64
PB2	17/12/2019	1156	ME1901703001	Ionic Balance %	8.48
PB2	23/01/2020	1030	ME2000111001	Ionic Balance %	3.85
PB2	12/02/2020	1136	ME2000226001	Ionic Balance %	3.43
PB2	18/03/2020	1203	ME2000433001	Ionic Balance %	4.23
PB2	21/04/2020	1130	ME2000603001	Ionic Balance %	9.3
PB2	21/07/2015	1142	ME1510178001	Lead - Dissolved mg/L	<0.001
PB2	19/08/2015	1202	ME1510333001	Lead - Dissolved mg/L	<0.001
PB2	18/09/2015	1204	ME1510475001	Lead - Dissolved mg/L	<0.001
PB2	27/10/2015	1128	ME1510672001	Lead - Dissolved mg/L	<0.001
PB2	20/11/2015	1040	ME1510819001	Lead - Dissolved mg/L	<0.001
PB2	17/12/2015	1147	ME1510975001	Lead - Dissolved mg/L	<0.001
PB2	20/01/2016	1150	ME1600097001	Lead - Dissolved mg/L	<0.001
PB2	25/02/2016	1150	ME1600272001	Lead - Dissolved mg/L	<0.001
PB2	21/03/2016	1137	ME1600392001	Lead - Dissolved mg/L	<0.001
PB2	06/04/2016	1151	ME1600471001	Lead - Dissolved mg/L	<0.001
PB2	20/05/2016	1041	ME1600692001	Lead - Dissolved mg/L	<0.001
PB2	17/06/2016	1106	ME1600840001	Lead - Dissolved mg/L	<0.001
PB2	22/07/2016	1119	ME1601029001	Lead - Dissolved mg/L	<0.001
PB2	24/08/2016	1149	ME1601180001	Lead - Dissolved mg/L	<0.001

PB2	06/09/2016	1150	ME1601240001	Lead - Dissolved mg/L	<0.001
PB2	27/10/2016	1121	ME1601510001	Lead - Dissolved mg/L	<0.001
PB2	22/11/2016	1149	ME1601646001	Lead - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Lead - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Lead - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Lead - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Lead - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Lead - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Lead - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Lead - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Lead - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Lead - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Lead - Dissolved mg/L	<0.001
PB2	19/05/2017	1208	ME1700709001	Lead - Dissolved mg/L	<0.001
PB2	22/06/2017	1052	ME1700866001	Lead - Dissolved mg/L	<0.001
PB2	24/07/2017	1136	ME1701008001	Lead - Dissolved mg/L	<0.001
PB2	17/08/2017	1157	ME1701130001	Lead - Dissolved mg/L	<0.001
PB2	18/09/2017	1216	ME1701275001	Lead - Dissolved mg/L	<0.001
PB2	16/10/2017	1229	ME1701413001	Lead - Dissolved mg/L	<0.001
PB2	21/11/2017	1240	ME1701588001	Lead - Dissolved mg/L	<0.001
PB2	21/12/2017	1032	ME1701771001	Lead - Dissolved mg/L	<0.001
PB2	11/01/2018	1222	ME1800056001	Lead - Dissolved mg/L	<0.001
PB2	19/02/2018	1214	ME1800240001	Lead - Dissolved mg/L	<0.001
PB2	21/03/2018	1142	ME1800392001	Lead - Dissolved mg/L	<0.001
PB2	26/04/2018	1209	ME1800548001	Lead - Dissolved mg/L	<0.001
PB2	22/05/2018	1150	ME1800676001	Lead - Dissolved mg/L	<0.001
PB2	20/06/2018	1056	ME1800816001	Lead - Dissolved mg/L	<0.001
PB2	20/07/2018	1115	ME1800947001	Lead - Dissolved mg/L	<0.001
PB2	10/08/2018	1145	ME1801055001	Lead - Dissolved mg/L	<0.001
PB2	17/09/2018	1133	ME1801223001	Lead - Dissolved mg/L	<0.001
PB2	23/10/2018	1249	ME1801391001	Lead - Dissolved mg/L	<0.001
PB2	22/11/2018	1038	ME1801533001	Lead - Dissolved mg/L	<0.001
PB2	18/12/2018	1143	ME1801653001	Lead - Dissolved mg/L	<0.001
PB2	14/01/2019	1253	ME1900052001	Lead - Dissolved mg/L	<0.001
PB2	21/02/2019	1214	ME1900241001	Lead - Dissolved mg/L	<0.001
PB2	18/03/2019	1205	ME1900366001	Lead - Dissolved mg/L	<0.001
PB2	15/04/2019	1113	ME1900507001	Lead - Dissolved mg/L	<0.001
PB2	21/05/2019	1151	ME1900651001	Lead - Dissolved mg/L	<0.001
PB2	13/06/2019	1140	ME1900760001	Lead - Dissolved mg/L	<0.001
PB2	15/07/2019	1005	ME1900896001	Lead - Dissolved mg/L	<0.001
PB2	20/08/2019	1150	ME1901071001	Lead - Dissolved mg/L	<0.001
PB2	16/09/2019	1347	ME1901212001	Lead - Dissolved mg/L	<0.001
PB2	24/10/2019	1117	ME1901416001	Lead - Dissolved mg/L	<0.001
PB2	18/11/2019	1143	ME1901522001	Lead - Dissolved mg/L	<0.001
PB2	17/12/2019	1156	ME1901703001	Lead - Dissolved mg/L	<0.001
PB2	23/01/2020	1030	ME2000111001	Lead - Dissolved mg/L	<0.001
PB2	12/02/2020	1136	ME2000226001	Lead - Dissolved mg/L	<0.001

PB2	18/03/2020	1203	ME2000433001	Lead - Dissolved mg/L	<0.001
PB2	21/04/2020	1130	ME2000603001	Lead - Dissolved mg/L	<0.001
PB2	21/07/2015	1142	ME1510178001	Magnesium - Dissolved mg/L	244
PB2	19/08/2015	1202	ME1510333001	Magnesium - Dissolved mg/L	249
PB2	18/09/2015	1204	ME1510475001	Magnesium - Dissolved mg/L	223
PB2	27/10/2015	1128	ME1510672001	Magnesium - Dissolved mg/L	262
PB2	20/11/2015	1040	ME1510819001	Magnesium - Dissolved mg/L	245
PB2	17/12/2015	1147	ME1510975001	Magnesium - Dissolved mg/L	154
PB2	20/01/2016	1150	ME1600097001	Magnesium - Dissolved mg/L	169
PB2	25/02/2016	1150	ME1600272001	Magnesium - Dissolved mg/L	163
PB2	21/03/2016	1137	ME1600392001	Magnesium - Dissolved mg/L	172
PB2	06/04/2016	1151	ME1600471001	Magnesium - Dissolved mg/L	151
PB2	20/05/2016	1041	ME1600692001	Magnesium - Dissolved mg/L	140
PB2	17/06/2016	1106	ME1600840001	Magnesium - Dissolved mg/L	147
PB2	22/07/2016	1119	ME1601029001	Magnesium - Dissolved mg/L	150
PB2	24/08/2016	1149	ME1601180001	Magnesium - Dissolved mg/L	151
PB2	06/09/2016	1150	ME1601240001	Magnesium - Dissolved mg/L	145
PB2	27/10/2016	1121	ME1601510001	Magnesium - Dissolved mg/L	143
PB2	22/11/2016	1149	ME1601646001	Magnesium - Dissolved mg/L	164
PB2	21/12/2016	1106	ME1601801001	Magnesium - Dissolved mg/L	161
PB2	21/12/2016	1106	ME1601801001	Magnesium - Dissolved mg/L	161
PB2	25/01/2017	1041	ME1700124001	Magnesium - Dissolved mg/L	179
PB2	25/01/2017	1041	ME1700124001	Magnesium - Dissolved mg/L	179
PB2	21/02/2017	1132	ME1700243001	Magnesium - Dissolved mg/L	174
PB2	21/02/2017	1132	ME1700243001	Magnesium - Dissolved mg/L	174
PB2	22/03/2017	1359	ME1700413001	Magnesium - Dissolved mg/L	167
PB2	22/03/2017	1359	ME1700413001	Magnesium - Dissolved mg/L	167
PB2	26/04/2017	1108	ME1700582001	Magnesium - Dissolved mg/L	154
PB2	26/04/2017	1108	ME1700582001	Magnesium - Dissolved mg/L	154
PB2	19/05/2017	1208	ME1700709001	Magnesium - Dissolved mg/L	160
PB2	22/06/2017	1052	ME1700866001	Magnesium - Dissolved mg/L	143
PB2	24/07/2017	1136	ME1701008001	Magnesium - Dissolved mg/L	150
PB2	17/08/2017	1157	ME1701130001	Magnesium - Dissolved mg/L	145
PB2	18/09/2017	1216	ME1701275001	Magnesium - Dissolved mg/L	150
PB2	16/10/2017	1229	ME1701413001	Magnesium - Dissolved mg/L	150
PB2	21/11/2017	1240	ME1701588001	Magnesium - Dissolved mg/L	172
PB2	21/12/2017	1032	ME1701771001	Magnesium - Dissolved mg/L	170
PB2	11/01/2018	1222	ME1800056001	Magnesium - Dissolved mg/L	216
PB2	19/02/2018	1214	ME1800240001	Magnesium - Dissolved mg/L	273
PB2	21/03/2018	1142	ME1800392001	Magnesium - Dissolved mg/L	261
PB2	26/04/2018	1209	ME1800548001	Magnesium - Dissolved mg/L	284
PB2	22/05/2018	1150	ME1800676001	Magnesium - Dissolved mg/L	282
PB2	20/06/2018	1056	ME1800816001	Magnesium - Dissolved mg/L	258
PB2	20/07/2018	1115	ME1800947001	Magnesium - Dissolved mg/L	273
PB2	10/08/2018	1145	ME1801055001	Magnesium - Dissolved mg/L	259
PB2	17/09/2018	1133	ME1801223001	Magnesium - Dissolved mg/L	257
PB2	23/10/2018	1249	ME1801391001	Magnesium - Dissolved mg/L	261

PB2	22/11/2018	1038	ME1801533001	Magnesium - Dissolved mg/L	277
PB2	18/12/2018	1143	ME1801653001	Magnesium - Dissolved mg/L	279
PB2	14/01/2019	1253	ME1900052001	Magnesium - Dissolved mg/L	295
PB2	21/02/2019	1214	ME1900241001	Magnesium - Dissolved mg/L	303
PB2	18/03/2019	1205	ME1900366001	Magnesium - Dissolved mg/L	287
PB2	15/04/2019	1113	ME1900507001	Magnesium - Dissolved mg/L	271
PB2	21/05/2019	1151	ME1900651001	Magnesium - Dissolved mg/L	293
PB2	13/06/2019	1140	ME1900760001	Magnesium - Dissolved mg/L	290
PB2	15/07/2019	1005	ME1900896001	Magnesium - Dissolved mg/L	300
PB2	20/08/2019	1150	ME1901071001	Magnesium - Dissolved mg/L	292
PB2	16/09/2019	1347	ME1901212001	Magnesium - Dissolved mg/L	289
PB2	24/10/2019	1117	ME1901416001	Magnesium - Dissolved mg/L	266
PB2	18/11/2019	1143	ME1901522001	Magnesium - Dissolved mg/L	282
PB2	17/12/2019	1156	ME1901703001	Magnesium - Dissolved mg/L	269
PB2	23/01/2020	1030	ME2000111001	Magnesium - Dissolved mg/L	272
PB2	12/02/2020	1136	ME2000226001	Magnesium - Dissolved mg/L	266
PB2	18/03/2020	1203	ME2000433001	Magnesium - Dissolved mg/L	277
PB2	21/04/2020	1130	ME2000603001	Magnesium - Dissolved mg/L	290
PB2	21/07/2015	1142	ME1510178001	Manganese - Dissolved mg/L	12.2
PB2	19/08/2015	1202	ME1510333001	Manganese - Dissolved mg/L	12.8
PB2	18/09/2015	1204	ME1510475001	Manganese - Dissolved mg/L	12
PB2	27/10/2015	1128	ME1510672001	Manganese - Dissolved mg/L	11
PB2	20/11/2015	1040	ME1510819001	Manganese - Dissolved mg/L	13.2
PB2	17/12/2015	1147	ME1510975001	Manganese - Dissolved mg/L	1.33
PB2	20/01/2016	1150	ME1600097001	Manganese - Dissolved mg/L	1.09
PB2	25/02/2016	1150	ME1600272001	Manganese - Dissolved mg/L	0.768
PB2	21/03/2016	1137	ME1600392001	Manganese - Dissolved mg/L	0.574
PB2	06/04/2016	1151	ME1600471001	Manganese - Dissolved mg/L	0.638
PB2	20/05/2016	1041	ME1600692001	Manganese - Dissolved mg/L	0.446
PB2	17/06/2016	1106	ME1600840001	Manganese - Dissolved mg/L	0.559
PB2	22/07/2016	1119	ME1601029001	Manganese - Dissolved mg/L	0.311
PB2	24/08/2016	1149	ME1601180001	Manganese - Dissolved mg/L	0.287
PB2	06/09/2016	1150	ME1601240001	Manganese - Dissolved mg/L	0.306
PB2	27/10/2016	1121	ME1601510001	Manganese - Dissolved mg/L	0.202
PB2	22/11/2016	1149	ME1601646001	Manganese - Dissolved mg/L	0.594
PB2	21/12/2016	1106	ME1601801001	Manganese - Dissolved mg/L	1.62
PB2	21/12/2016	1106	ME1601801001	Manganese - Dissolved mg/L	1.62
PB2	25/01/2017	1041	ME1700124001	Manganese - Dissolved mg/L	2.18
PB2	25/01/2017	1041	ME1700124001	Manganese - Dissolved mg/L	2.18
PB2	21/02/2017	1132	ME1700243001	Manganese - Dissolved mg/L	1.59
PB2	21/02/2017	1132	ME1700243001	Manganese - Dissolved mg/L	1.59
PB2	22/03/2017	1359	ME1700413001	Manganese - Dissolved mg/L	1.13
PB2	22/03/2017	1359	ME1700413001	Manganese - Dissolved mg/L	1.13
PB2	26/04/2017	1108	ME1700582001	Manganese - Dissolved mg/L	0.811
PB2	26/04/2017	1108	ME1700582001	Manganese - Dissolved mg/L	0.811
PB2	19/05/2017	1208	ME1700709001	Manganese - Dissolved mg/L	0.76
PB2	22/06/2017	1052	ME1700866001	Manganese - Dissolved mg/L	0.635

PB2	24/07/2017	1136	ME1701008001	Manganese - Dissolved mg/L	0.566
PB2	17/08/2017	1157	ME1701130001	Manganese - Dissolved mg/L	0.568
PB2	18/09/2017	1216	ME1701275001	Manganese - Dissolved mg/L	0.502
PB2	16/10/2017	1229	ME1701413001	Manganese - Dissolved mg/L	0.48
PB2	21/11/2017	1240	ME1701588001	Manganese - Dissolved mg/L	0.683
PB2	21/12/2017	1032	ME1701771001	Manganese - Dissolved mg/L	2.75
PB2	11/01/2018	1222	ME1800056001	Manganese - Dissolved mg/L	7.39
PB2	19/02/2018	1214	ME1800240001	Manganese - Dissolved mg/L	14.4
PB2	21/03/2018	1142	ME1800392001	Manganese - Dissolved mg/L	17
PB2	26/04/2018	1209	ME1800548001	Manganese - Dissolved mg/L	16.7
PB2	22/05/2018	1150	ME1800676001	Manganese - Dissolved mg/L	17
PB2	20/06/2018	1056	ME1800816001	Manganese - Dissolved mg/L	15.3
PB2	20/07/2018	1115	ME1800947001	Manganese - Dissolved mg/L	14.4
PB2	10/08/2018	1145	ME1801055001	Manganese - Dissolved mg/L	14.5
PB2	17/09/2018	1133	ME1801223001	Manganese - Dissolved mg/L	15.9
PB2	23/10/2018	1249	ME1801391001	Manganese - Dissolved mg/L	15.3
PB2	22/11/2018	1038	ME1801533001	Manganese - Dissolved mg/L	16.5
PB2	18/12/2018	1143	ME1801653001	Manganese - Dissolved mg/L	15.4
PB2	14/01/2019	1253	ME1900052001	Manganese - Dissolved mg/L	17.1
PB2	21/02/2019	1214	ME1900241001	Manganese - Dissolved mg/L	17
PB2	18/03/2019	1205	ME1900366001	Manganese - Dissolved mg/L	18.1
PB2	15/04/2019	1113	ME1900507001	Manganese - Dissolved mg/L	16.8
PB2	21/05/2019	1151	ME1900651001	Manganese - Dissolved mg/L	15.9
PB2	13/06/2019	1140	ME1900760001	Manganese - Dissolved mg/L	17
PB2	15/07/2019	1005	ME1900896001	Manganese - Dissolved mg/L	17.3
PB2	20/08/2019	1150	ME1901071001	Manganese - Dissolved mg/L	19.6
PB2	16/09/2019	1347	ME1901212001	Manganese - Dissolved mg/L	15.4
PB2	24/10/2019	1117	ME1901416001	Manganese - Dissolved mg/L	15.3
PB2	18/11/2019	1143	ME1901522001	Manganese - Dissolved mg/L	11.3
PB2	17/12/2019	1156	ME1901703001	Manganese - Dissolved mg/L	10.4
PB2	23/01/2020	1030	ME2000111001	Manganese - Dissolved mg/L	10.9
PB2	12/02/2020	1136	ME2000226001	Manganese - Dissolved mg/L	12.9
PB2	18/03/2020	1203	ME2000433001	Manganese - Dissolved mg/L	15.3
PB2	21/04/2020	1130	ME2000603001	Manganese - Dissolved mg/L	12.6
PB2	21/07/2015	1142	ME1510178001	Mercury - Dissolved mg/L	<0.0001
PB2	19/08/2015	1202	ME1510333001	Mercury - Dissolved mg/L	<0.0001
PB2	18/09/2015	1204	ME1510475001	Mercury - Dissolved mg/L	<0.0001
PB2	27/10/2015	1128	ME1510672001	Mercury - Dissolved mg/L	<0.0001
PB2	20/11/2015	1040	ME1510819001	Mercury - Dissolved mg/L	<0.0001
PB2	17/12/2015	1147	ME1510975001	Mercury - Dissolved mg/L	<0.0001
PB2	20/01/2016	1150	ME1600097001	Mercury - Dissolved mg/L	<0.0001
PB2	25/02/2016	1150	ME1600272001	Mercury - Dissolved mg/L	<0.0001
PB2	21/03/2016	1137	ME1600392001	Mercury - Dissolved mg/L	<0.0001
PB2	06/04/2016	1151	ME1600471001	Mercury - Dissolved mg/L	<0.0001
PB2	20/05/2016	1041	ME1600692001	Mercury - Dissolved mg/L	<0.0001
PB2	17/06/2016	1106	ME1600840001	Mercury - Dissolved mg/L	<0.0001
PB2	22/07/2016	1119	ME1601029001	Mercury - Dissolved mg/L	<0.0001

PB2	24/08/2016	1149	ME1601180001	Mercury - Dissolved mg/L	<0.0001
PB2	06/09/2016	1150	ME1601240001	Mercury - Dissolved mg/L	<0.0001
PB2	27/10/2016	1121	ME1601510001	Mercury - Dissolved mg/L	<0.0001
PB2	22/11/2016	1149	ME1601646001	Mercury - Dissolved mg/L	<0.0001
PB2	21/12/2016	1106	ME1601801001	Mercury - Dissolved mg/L	<0.0001
PB2	21/12/2016	1106	ME1601801001	Mercury - Dissolved mg/L	<0.0001
PB2	25/01/2017	1041	ME1700124001	Mercury - Dissolved mg/L	<0.0001
PB2	25/01/2017	1041	ME1700124001	Mercury - Dissolved mg/L	<0.0001
PB2	21/02/2017	1132	ME1700243001	Mercury - Dissolved mg/L	<0.0001
PB2	21/02/2017	1132	ME1700243001	Mercury - Dissolved mg/L	<0.0001
PB2	22/03/2017	1359	ME1700413001	Mercury - Dissolved mg/L	<0.0001
PB2	22/03/2017	1359	ME1700413001	Mercury - Dissolved mg/L	<0.0001
PB2	26/04/2017	1108	ME1700582001	Mercury - Dissolved mg/L	<0.0001
PB2	26/04/2017	1108	ME1700582001	Mercury - Dissolved mg/L	<0.0001
PB2	19/05/2017	1208	ME1700709001	Mercury - Dissolved mg/L	<0.0001
PB2	22/06/2017	1052	ME1700866001	Mercury - Dissolved mg/L	<0.0001
PB2	24/07/2017	1136	ME1701008001	Mercury - Dissolved mg/L	<0.0001
PB2	17/08/2017	1157	ME1701130001	Mercury - Dissolved mg/L	<0.0001
PB2	18/09/2017	1216	ME1701275001	Mercury - Dissolved mg/L	<0.0001
PB2	16/10/2017	1229	ME1701413001	Mercury - Dissolved mg/L	<0.0001
PB2	21/11/2017	1240	ME1701588001	Mercury - Dissolved mg/L	<0.0001
PB2	21/12/2017	1032	ME1701771001	Mercury - Dissolved mg/L	<0.0001
PB2	11/01/2018	1222	ME1800056001	Mercury - Dissolved mg/L	<0.0001
PB2	19/02/2018	1214	ME1800240001	Mercury - Dissolved mg/L	<0.0001
PB2	21/03/2018	1142	ME1800392001	Mercury - Dissolved mg/L	<0.0001
PB2	26/04/2018	1209	ME1800548001	Mercury - Dissolved mg/L	<0.0001
PB2	22/05/2018	1150	ME1800676001	Mercury - Dissolved mg/L	<0.0001
PB2	20/06/2018	1056	ME1800816001	Mercury - Dissolved mg/L	<0.0001
PB2	20/07/2018	1115	ME1800947001	Mercury - Dissolved mg/L	<0.0001
PB2	10/08/2018	1145	ME1801055001	Mercury - Dissolved mg/L	<0.0001
PB2	17/09/2018	1133	ME1801223001	Mercury - Dissolved mg/L	<0.0001
PB2	23/10/2018	1249	ME1801391001	Mercury - Dissolved mg/L	<0.0001
PB2	22/11/2018	1038	ME1801533001	Mercury - Dissolved mg/L	<0.0001
PB2	18/12/2018	1143	ME1801653001	Mercury - Dissolved mg/L	<0.0001
PB2	14/01/2019	1253	ME1900052001	Mercury - Dissolved mg/L	<0.0001
PB2	21/02/2019	1214	ME1900241001	Mercury - Dissolved mg/L	<0.0001
PB2	18/03/2019	1205	ME1900366001	Mercury - Dissolved mg/L	<0.0001
PB2	15/04/2019	1113	ME1900507001	Mercury - Dissolved mg/L	<0.0001
PB2	21/05/2019	1151	ME1900651001	Mercury - Dissolved mg/L	<0.0001
PB2	13/06/2019	1140	ME1900760001	Mercury - Dissolved mg/L	<0.0001
PB2	15/07/2019	1005	ME1900896001	Mercury - Dissolved mg/L	<0.0001
PB2	20/08/2019	1150	ME1901071001	Mercury - Dissolved mg/L	<0.0001
PB2	16/09/2019	1347	ME1901212001	Mercury - Dissolved mg/L	<0.0001
PB2	24/10/2019	1117	ME1901416001	Mercury - Dissolved mg/L	0.0002
PB2	18/11/2019	1143	ME1901522001	Mercury - Dissolved mg/L	<0.0001
PB2	17/12/2019	1156	ME1901703001	Mercury - Dissolved mg/L	<0.0001
PB2	23/01/2020	1030	ME2000111001	Mercury - Dissolved mg/L	<0.0001

PB2	12/02/2020	1136	ME2000226001	Mercury - Dissolved mg/L	<0.0001
PB2	18/03/2020	1203	ME2000433001	Mercury - Dissolved mg/L	<0.0001
PB2	21/04/2020	1130	ME2000603001	Mercury - Dissolved mg/L	<0.0001
PB2	21/07/2015	1142	ME1510178001	Nickel - Dissolved mg/L	0.182
PB2	19/08/2015	1202	ME1510333001	Nickel - Dissolved mg/L	0.156
PB2	18/09/2015	1204	ME1510475001	Nickel - Dissolved mg/L	0.181
PB2	27/10/2015	1128	ME1510672001	Nickel - Dissolved mg/L	0.165
PB2	20/11/2015	1040	ME1510819001	Nickel - Dissolved mg/L	0.205
PB2	17/12/2015	1147	ME1510975001	Nickel - Dissolved mg/L	0.002
PB2	20/01/2016	1150	ME1600097001	Nickel - Dissolved mg/L	<0.001
PB2	25/02/2016	1150	ME1600272001	Nickel - Dissolved mg/L	<0.001
PB2	21/03/2016	1137	ME1600392001	Nickel - Dissolved mg/L	<0.001
PB2	06/04/2016	1151	ME1600471001	Nickel - Dissolved mg/L	<0.001
PB2	20/05/2016	1041	ME1600692001	Nickel - Dissolved mg/L	<0.001
PB2	17/06/2016	1106	ME1600840001	Nickel - Dissolved mg/L	<0.001
PB2	22/07/2016	1119	ME1601029001	Nickel - Dissolved mg/L	<0.001
PB2	24/08/2016	1149	ME1601180001	Nickel - Dissolved mg/L	<0.001
PB2	06/09/2016	1150	ME1601240001	Nickel - Dissolved mg/L	<0.001
PB2	27/10/2016	1121	ME1601510001	Nickel - Dissolved mg/L	0.002
PB2	22/11/2016	1149	ME1601646001	Nickel - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Nickel - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Nickel - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Nickel - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Nickel - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Nickel - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Nickel - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Nickel - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Nickel - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Nickel - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Nickel - Dissolved mg/L	<0.001
PB2	19/05/2017	1208	ME1700709001	Nickel - Dissolved mg/L	<0.001
PB2	22/06/2017	1052	ME1700866001	Nickel - Dissolved mg/L	<0.001
PB2	24/07/2017	1136	ME1701008001	Nickel - Dissolved mg/L	<0.001
PB2	17/08/2017	1157	ME1701130001	Nickel - Dissolved mg/L	<0.001
PB2	18/09/2017	1216	ME1701275001	Nickel - Dissolved mg/L	<0.001
PB2	16/10/2017	1229	ME1701413001	Nickel - Dissolved mg/L	<0.001
PB2	21/11/2017	1240	ME1701588001	Nickel - Dissolved mg/L	<0.001
PB2	21/12/2017	1032	ME1701771001	Nickel - Dissolved mg/L	0.001
PB2	11/01/2018	1222	ME1800056001	Nickel - Dissolved mg/L	0.002
PB2	19/02/2018	1214	ME1800240001	Nickel - Dissolved mg/L	0.011
PB2	21/03/2018	1142	ME1800392001	Nickel - Dissolved mg/L	0.122
PB2	26/04/2018	1209	ME1800548001	Nickel - Dissolved mg/L	0.051
PB2	22/05/2018	1150	ME1800676001	Nickel - Dissolved mg/L	0.042
PB2	20/06/2018	1056	ME1800816001	Nickel - Dissolved mg/L	0.02
PB2	20/07/2018	1115	ME1800947001	Nickel - Dissolved mg/L	0.008
PB2	10/08/2018	1145	ME1801055001	Nickel - Dissolved mg/L	0.007
PB2	17/09/2018	1133	ME1801223001	Nickel - Dissolved mg/L	0.012

PB2	23/10/2018	1249	ME1801391001	Nickel - Dissolved mg/L	0.016
PB2	22/11/2018	1038	ME1801533001	Nickel - Dissolved mg/L	0.02
PB2	18/12/2018	1143	ME1801653001	Nickel - Dissolved mg/L	0.024
PB2	14/01/2019	1253	ME1900052001	Nickel - Dissolved mg/L	0.034
PB2	21/02/2019	1214	ME1900241001	Nickel - Dissolved mg/L	0.075
PB2	18/03/2019	1205	ME1900366001	Nickel - Dissolved mg/L	0.055
PB2	15/04/2019	1113	ME1900507001	Nickel - Dissolved mg/L	0.065
PB2	21/05/2019	1151	ME1900651001	Nickel - Dissolved mg/L	0.065
PB2	13/06/2019	1140	ME1900760001	Nickel - Dissolved mg/L	0.052
PB2	15/07/2019	1005	ME1900896001	Nickel - Dissolved mg/L	0.035
PB2	20/08/2019	1150	ME1901071001	Nickel - Dissolved mg/L	0.039
PB2	16/09/2019	1347	ME1901212001	Nickel - Dissolved mg/L	0.012
PB2	24/10/2019	1117	ME1901416001	Nickel - Dissolved mg/L	0.01
PB2	18/11/2019	1143	ME1901522001	Nickel - Dissolved mg/L	0.002
PB2	17/12/2019	1156	ME1901703001	Nickel - Dissolved mg/L	0.002
PB2	23/01/2020	1030	ME2000111001	Nickel - Dissolved mg/L	0.001
PB2	12/02/2020	1136	ME2000226001	Nickel - Dissolved mg/L	0.01
PB2	18/03/2020	1203	ME2000433001	Nickel - Dissolved mg/L	0.008
PB2	21/04/2020	1130	ME2000603001	Nickel - Dissolved mg/L	0.152
PB2	21/07/2015	1142	ME1510178001	Nitrate as N mg/L	<0.05
PB2	19/08/2015	1202	ME1510333001	Nitrate as N mg/L	0.06
PB2	18/09/2015	1204	ME1510475001	Nitrate as N mg/L	<0.1
PB2	27/10/2015	1128	ME1510672001	Nitrate as N mg/L	0.03
PB2	20/11/2015	1040	ME1510819001	Nitrate as N mg/L	<0.05
PB2	17/12/2015	1147	ME1510975001	Nitrate as N mg/L	<0.01
PB2	20/01/2016	1150	ME1600097001	Nitrate as N mg/L	0.02
PB2	25/02/2016	1150	ME1600272001	Nitrate as N mg/L	<0.01
PB2	21/03/2016	1137	ME1600392001	Nitrate as N mg/L	<0.01
PB2	06/04/2016	1151	ME1600471001	Nitrate as N mg/L	<0.01
PB2	20/05/2016	1041	ME1600692001	Nitrate as N mg/L	0.02
PB2	17/06/2016	1106	ME1600840001	Nitrate as N mg/L	<0.01
PB2	22/07/2016	1119	ME1601029001	Nitrate as N mg/L	0.02
PB2	24/08/2016	1149	ME1601180001	Nitrate as N mg/L	<0.01
PB2	06/09/2016	1150	ME1601240001	Nitrate as N mg/L	<0.01
PB2	27/10/2016	1121	ME1601510001	Nitrate as N mg/L	0.02
PB2	22/11/2016	1149	ME1601646001	Nitrate as N mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Nitrate as N mg/L	0.01
PB2	21/12/2016	1106	ME1601801001	Nitrate as N mg/L	0.01
PB2	25/01/2017	1041	ME1700124001	Nitrate as N mg/L	0.02
PB2	25/01/2017	1041	ME1700124001	Nitrate as N mg/L	0.02
PB2	21/02/2017	1132	ME1700243001	Nitrate as N mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Nitrate as N mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Nitrate as N mg/L	0.01
PB2	22/03/2017	1359	ME1700413001	Nitrate as N mg/L	0.06
PB2	26/04/2017	1108	ME1700582001	Nitrate as N mg/L	0.06
PB2	26/04/2017	1108	ME1700582001	Nitrate as N mg/L	0.06
PB2	19/05/2017	1208	ME1700709001	Nitrate as N mg/L	<0.01

PB2	22/06/2017	1052	ME1700866001	Nitrate as N mg/L	0.04
PB2	24/07/2017	1136	ME1701008001	Nitrate as N mg/L	0.01
PB2	17/08/2017	1157	ME1701130001	Nitrate as N mg/L	<0.01
PB2	18/09/2017	1216	ME1701275001	Nitrate as N mg/L	<0.01
PB2	16/10/2017	1229	ME1701413001	Nitrate as N mg/L	0.04
PB2	21/11/2017	1240	ME1701588001	Nitrate as N mg/L	<0.01
PB2	21/12/2017	1032	ME1701771001	Nitrate as N mg/L	<0.01
PB2	11/01/2018	1222	ME1800056001	Nitrate as N mg/L	0.04
PB2	19/02/2018	1214	ME1800240001	Nitrate as N mg/L	0.57
PB2	21/03/2018	1142	ME1800392001	Nitrate as N mg/L	<0.1
PB2	26/04/2018	1209	ME1800548001	Nitrate as N mg/L	<0.05
PB2	22/05/2018	1150	ME1800676001	Nitrate as N mg/L	<0.01
PB2	20/06/2018	1056	ME1800816001	Nitrate as N mg/L	<0.01
PB2	20/07/2018	1115	ME1800947001	Nitrate as N mg/L	0.02
PB2	10/08/2018	1145	ME1801055001	Nitrate as N mg/L	<0.05
PB2	17/09/2018	1133	ME1801223001	Nitrate as N mg/L	<0.1
PB2	23/10/2018	1249	ME1801391001	Nitrate as N mg/L	<0.01
PB2	22/11/2018	1038	ME1801533001	Nitrate as N mg/L	0.01
PB2	18/12/2018	1143	ME1801653001	Nitrate as N mg/L	<0.01
PB2	14/01/2019	1253	ME1900052001	Nitrate as N mg/L	<0.01
PB2	21/02/2019	1214	ME1900241001	Nitrate as N mg/L	<0.1
PB2	18/03/2019	1205	ME1900366001	Nitrate as N mg/L	<0.1
PB2	15/04/2019	1113	ME1900507001	Nitrate as N mg/L	<0.1
PB2	21/05/2019	1151	ME1900651001	Nitrate as N mg/L	<0.1
PB2	13/06/2019	1140	ME1900760001	Nitrate as N mg/L	<0.1
PB2	15/07/2019	1005	ME1900896001	Nitrate as N mg/L	<0.01
PB2	20/08/2019	1150	ME1901071001	Nitrate as N mg/L	<0.05
PB2	16/09/2019	1347	ME1901212001	Nitrate as N mg/L	<0.1
PB2	24/10/2019	1117	ME1901416001	Nitrate as N mg/L	<0.05
PB2	18/11/2019	1143	ME1901522001	Nitrate as N mg/L	<0.1
PB2	17/12/2019	1156	ME1901703001	Nitrate as N mg/L	<0.1
PB2	23/01/2020	1030	ME2000111001	Nitrate as N mg/L	<0.05
PB2	12/02/2020	1136	ME2000226001	Nitrate as N mg/L	0.16
PB2	18/03/2020	1203	ME2000433001	Nitrate as N mg/L	<0.01
PB2	21/04/2020	1130	ME2000603001	Nitrate as N mg/L	<0.01
PB2	21/07/2015	1142	ME1510178001	Nitrite + Nitrate as N mg/L	<0.05
PB2	19/08/2015	1202	ME1510333001	Nitrite + Nitrate as N mg/L	0.06
PB2	18/09/2015	1204	ME1510475001	Nitrite + Nitrate as N mg/L	<0.1
PB2	27/10/2015	1128	ME1510672001	Nitrite + Nitrate as N mg/L	0.04
PB2	20/11/2015	1040	ME1510819001	Nitrite + Nitrate as N mg/L	<0.05
PB2	17/12/2015	1147	ME1510975001	Nitrite + Nitrate as N mg/L	<0.01
PB2	20/01/2016	1150	ME1600097001	Nitrite + Nitrate as N mg/L	0.02
PB2	25/02/2016	1150	ME1600272001	Nitrite + Nitrate as N mg/L	<0.01
PB2	21/03/2016	1137	ME1600392001	Nitrite + Nitrate as N mg/L	<0.01
PB2	06/04/2016	1151	ME1600471001	Nitrite + Nitrate as N mg/L	<0.01
PB2	20/05/2016	1041	ME1600692001	Nitrite + Nitrate as N mg/L	0.02
PB2	17/06/2016	1106	ME1600840001	Nitrite + Nitrate as N mg/L	<0.01

PB2	22/07/2016	1119	ME1601029001	Nitrite + Nitrate as N mg/L	0.02
PB2	24/08/2016	1149	ME1601180001	Nitrite + Nitrate as N mg/L	<0.01
PB2	06/09/2016	1150	ME1601240001	Nitrite + Nitrate as N mg/L	<0.01
PB2	27/10/2016	1121	ME1601510001	Nitrite + Nitrate as N mg/L	0.02
PB2	22/11/2016	1149	ME1601646001	Nitrite + Nitrate as N mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Nitrite + Nitrate as N mg/L	0.02
PB2	21/12/2016	1106	ME1601801001	Nitrite + Nitrate as N mg/L	0.02
PB2	25/01/2017	1041	ME1700124001	Nitrite + Nitrate as N mg/L	0.02
PB2	25/01/2017	1041	ME1700124001	Nitrite + Nitrate as N mg/L	0.02
PB2	21/02/2017	1132	ME1700243001	Nitrite + Nitrate as N mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Nitrite + Nitrate as N mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Nitrite + Nitrate as N mg/L	0.01
PB2	22/03/2017	1359	ME1700413001	Nitrite + Nitrate as N mg/L	0.01
PB2	26/04/2017	1108	ME1700582001	Nitrite + Nitrate as N mg/L	0.06
PB2	26/04/2017	1108	ME1700582001	Nitrite + Nitrate as N mg/L	0.06
PB2	19/05/2017	1208	ME1700709001	Nitrite + Nitrate as N mg/L	<0.01
PB2	22/06/2017	1052	ME1700866001	Nitrite + Nitrate as N mg/L	0.04
PB2	24/07/2017	1136	ME1701008001	Nitrite + Nitrate as N mg/L	0.01
PB2	17/08/2017	1157	ME1701130001	Nitrite + Nitrate as N mg/L	<0.01
PB2	18/09/2017	1216	ME1701275001	Nitrite + Nitrate as N mg/L	<0.01
PB2	16/10/2017	1229	ME1701413001	Nitrite + Nitrate as N mg/L	0.04
PB2	21/11/2017	1240	ME1701588001	Nitrite + Nitrate as N mg/L	<0.01
PB2	21/12/2017	1032	ME1701771001	Nitrite + Nitrate as N mg/L	<0.01
PB2	11/01/2018	1222	ME1800056001	Nitrite + Nitrate as N mg/L	0.04
PB2	19/02/2018	1214	ME1800240001	Nitrite + Nitrate as N mg/L	0.57
PB2	21/03/2018	1142	ME1800392001	Nitrite + Nitrate as N mg/L	<0.01
PB2	26/04/2018	1209	ME1800548001	Nitrite + Nitrate as N mg/L	<0.05
PB2	22/05/2018	1150	ME1800676001	Nitrite + Nitrate as N mg/L	<0.01
PB2	20/06/2018	1056	ME1800816001	Nitrite + Nitrate as N mg/L	<0.01
PB2	20/07/2018	1115	ME1800947001	Nitrite + Nitrate as N mg/L	0.02
PB2	10/08/2018	1145	ME1801055001	Nitrite + Nitrate as N mg/L	<0.05
PB2	17/09/2018	1133	ME1801223001	Nitrite + Nitrate as N mg/L	<0.1
PB2	23/10/2018	1249	ME1801391001	Nitrite + Nitrate as N mg/L	<0.01
PB2	22/11/2018	1038	ME1801533001	Nitrite + Nitrate as N mg/L	0.01
PB2	18/12/2018	1143	ME1801653001	Nitrite + Nitrate as N mg/L	<0.01
PB2	14/01/2019	1253	ME1900052001	Nitrite + Nitrate as N mg/L	<0.01
PB2	21/02/2019	1214	ME1900241001	Nitrite + Nitrate as N mg/L	<0.1
PB2	18/03/2019	1205	ME1900366001	Nitrite + Nitrate as N mg/L	<0.1
PB2	15/04/2019	1113	ME1900507001	Nitrite + Nitrate as N mg/L	<0.1
PB2	21/05/2019	1151	ME1900651001	Nitrite + Nitrate as N mg/L	<0.1
PB2	13/06/2019	1140	ME1900760001	Nitrite + Nitrate as N mg/L	<0.1
PB2	15/07/2019	1005	ME1900896001	Nitrite + Nitrate as N mg/L	<0.01
PB2	20/08/2019	1150	ME1901071001	Nitrite + Nitrate as N mg/L	<0.05
PB2	16/09/2019	1347	ME1901212001	Nitrite + Nitrate as N mg/L	<0.1
PB2	24/10/2019	1117	ME1901416001	Nitrite + Nitrate as N mg/L	<0.05
PB2	18/11/2019	1143	ME1901522001	Nitrite + Nitrate as N mg/L	<0.1
PB2	17/12/2019	1156	ME1901703001	Nitrite + Nitrate as N mg/L	<0.1

PB2	23/01/2020	1030	ME2000111001	Nitrite + Nitrate as N mg/L	<0.01
PB2	12/02/2020	1136	ME2000226001	Nitrite + Nitrate as N mg/L	0.16
PB2	18/03/2020	1203	ME2000433001	Nitrite + Nitrate as N mg/L	<0.01
PB2	21/04/2020	1130	ME2000603001	Nitrite + Nitrate as N mg/L	<0.01
PB2	21/07/2015	1142	ME1510178001	Nitrite as N mg/L	<0.05
PB2	19/08/2015	1202	ME1510333001	Nitrite as N mg/L	<0.01
PB2	18/09/2015	1204	ME1510475001	Nitrite as N mg/L	<0.1
PB2	27/10/2015	1128	ME1510672001	Nitrite as N mg/L	0.01
PB2	20/11/2015	1040	ME1510819001	Nitrite as N mg/L	<0.05
PB2	17/12/2015	1147	ME1510975001	Nitrite as N mg/L	<0.01
PB2	20/01/2016	1150	ME1600097001	Nitrite as N mg/L	<0.01
PB2	25/02/2016	1150	ME1600272001	Nitrite as N mg/L	<0.01
PB2	21/03/2016	1137	ME1600392001	Nitrite as N mg/L	<0.01
PB2	06/04/2016	1151	ME1600471001	Nitrite as N mg/L	<0.01
PB2	20/05/2016	1041	ME1600692001	Nitrite as N mg/L	<0.01
PB2	17/06/2016	1106	ME1600840001	Nitrite as N mg/L	<0.01
PB2	22/07/2016	1119	ME1601029001	Nitrite as N mg/L	<0.01
PB2	24/08/2016	1149	ME1601180001	Nitrite as N mg/L	<0.01
PB2	06/09/2016	1150	ME1601240001	Nitrite as N mg/L	<0.01
PB2	27/10/2016	1121	ME1601510001	Nitrite as N mg/L	<0.01
PB2	22/11/2016	1149	ME1601646001	Nitrite as N mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Nitrite as N mg/L	0.01
PB2	21/12/2016	1106	ME1601801001	Nitrite as N mg/L	0.01
PB2	25/01/2017	1041	ME1700124001	Nitrite as N mg/L	<0.01
PB2	25/01/2017	1041	ME1700124001	Nitrite as N mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Nitrite as N mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Nitrite as N mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Nitrite as N mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Nitrite as N mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Nitrite as N mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Nitrite as N mg/L	<0.01
PB2	19/05/2017	1208	ME1700709001	Nitrite as N mg/L	<0.01
PB2	22/06/2017	1052	ME1700866001	Nitrite as N mg/L	<0.01
PB2	24/07/2017	1136	ME1701008001	Nitrite as N mg/L	<0.01
PB2	17/08/2017	1157	ME1701130001	Nitrite as N mg/L	<0.01
PB2	18/09/2017	1216	ME1701275001	Nitrite as N mg/L	<0.01
PB2	16/10/2017	1229	ME1701413001	Nitrite as N mg/L	<0.01
PB2	21/11/2017	1240	ME1701588001	Nitrite as N mg/L	<0.01
PB2	21/12/2017	1032	ME1701771001	Nitrite as N mg/L	<0.01
PB2	11/01/2018	1222	ME1800056001	Nitrite as N mg/L	<0.01
PB2	19/02/2018	1214	ME1800240001	Nitrite as N mg/L	<0.01
PB2	21/03/2018	1142	ME1800392001	Nitrite as N mg/L	<0.1
PB2	26/04/2018	1209	ME1800548001	Nitrite as N mg/L	<0.05
PB2	22/05/2018	1150	ME1800676001	Nitrite as N mg/L	0.08
PB2	20/06/2018	1056	ME1800816001	Nitrite as N mg/L	<0.01
PB2	20/07/2018	1115	ME1800947001	Nitrite as N mg/L	<0.01
PB2	10/08/2018	1145	ME1801055001	Nitrite as N mg/L	<0.05

PB2	17/09/2018	1133	ME1801223001	Nitrite as N mg/L	<0.1
PB2	23/10/2018	1249	ME1801391001	Nitrite as N mg/L	<0.01
PB2	22/11/2018	1038	ME1801533001	Nitrite as N mg/L	<0.01
PB2	18/12/2018	1143	ME1801653001	Nitrite as N mg/L	<0.01
PB2	14/01/2019	1253	ME1900052001	Nitrite as N mg/L	<0.01
PB2	21/02/2019	1214	ME1900241001	Nitrite as N mg/L	<0.1
PB2	18/03/2019	1205	ME1900366001	Nitrite as N mg/L	<0.1
PB2	15/04/2019	1113	ME1900507001	Nitrite as N mg/L	<0.1
PB2	21/05/2019	1151	ME1900651001	Nitrite as N mg/L	<0.1
PB2	13/06/2019	1140	ME1900760001	Nitrite as N mg/L	<0.1
PB2	15/07/2019	1005	ME1900896001	Nitrite as N mg/L	<0.01
PB2	20/08/2019	1150	ME1901071001	Nitrite as N mg/L	<0.05
PB2	16/09/2019	1347	ME1901212001	Nitrite as N mg/L	<0.1
PB2	24/10/2019	1117	ME1901416001	Nitrite as N mg/L	<0.05
PB2	18/11/2019	1143	ME1901522001	Nitrite as N mg/L	<0.1
PB2	17/12/2019	1156	ME1901703001	Nitrite as N mg/L	<0.1
PB2	23/01/2020	1030	ME2000111001	Nitrite as N mg/L	<0.05
PB2	12/02/2020	1136	ME2000226001	Nitrite as N mg/L	<0.1
PB2	18/03/2020	1203	ME2000433001	Nitrite as N mg/L	<0.01
PB2	21/04/2020	1130	ME2000603001	Nitrite as N mg/L	<0.01
PB2	21/07/2015	1142	ME1510178001	pH pH Unit	5.1
PB2	19/08/2015	1202	ME1510333001	pH pH Unit	5.9
PB2	18/09/2015	1204	ME1510475001	pH pH Unit	5.7
PB2	27/10/2015	1128	ME1510672001	pH pH Unit	5.7
PB2	20/11/2015	1040	ME1510819001	pH pH Unit	5.6
PB2	17/12/2015	1147	ME1510975001	pH pH Unit	7.4
PB2	20/01/2016	1150	ME1600097001	pH pH Unit	7.5
PB2	25/02/2016	1150	ME1600272001	pH pH Unit	8.1
PB2	21/03/2016	1137	ME1600392001	pH pH Unit	8.2
PB2	06/04/2016	1151	ME1600471001	pH pH Unit	8.5
PB2	20/05/2016	1041	ME1600692001	pH pH Unit	8.7
PB2	17/06/2016	1106	ME1600840001	pH pH Unit	9
PB2	22/07/2016	1119	ME1601029001	pH pH Unit	9
PB2	24/08/2016	1149	ME1601180001	pH pH Unit	9
PB2	06/09/2016	1150	ME1601240001	pH pH Unit	8.8
PB2	27/10/2016	1121	ME1601510001	pH pH Unit	9.3
PB2	22/11/2016	1149	ME1601646001	pH pH Unit	8.8
PB2	21/12/2016	1106	ME1601801001	pH pH Unit	8.3
PB2	21/12/2016	1106	ME1601801001	pH pH Unit	8.3
PB2	25/01/2017	1041	ME1700124001	pH pH Unit	7.4
PB2	25/01/2017	1041	ME1700124001	pH pH Unit	7.4
PB2	21/02/2017	1132	ME1700243001	pH pH Unit	7.5
PB2	21/02/2017	1132	ME1700243001	pH pH Unit	7.5
PB2	22/03/2017	1359	ME1700413001	pH pH Unit	7.5
PB2	22/03/2017	1359	ME1700413001	pH pH Unit	7.5
PB2	26/04/2017	1108	ME1700582001	pH pH Unit	7.8
PB2	26/04/2017	1108	ME1700582001	pH pH Unit	7.8

PB2	19/05/2017	1208	ME1700709001	pH pH Unit	8
PB2	22/06/2017	1052	ME1700866001	pH pH Unit	8.1
PB2	24/07/2017	1136	ME1701008001	pH pH Unit	8.4
PB2	17/08/2017	1157	ME1701130001	pH pH Unit	8
PB2	18/09/2017	1216	ME1701275001	pH pH Unit	8.3
PB2	16/10/2017	1229	ME1701413001	pH pH Unit	8.3
PB2	21/11/2017	1240	ME1701588001	pH pH Unit	7.8
PB2	21/12/2017	1032	ME1701771001	pH pH Unit	6.8
PB2	11/01/2018	1222	ME1800056001	pH pH Unit	7
PB2	19/02/2018	1214	ME1800240001	pH pH Unit	6.8
PB2	21/03/2018	1142	ME1800392001	pH pH Unit	6.2
PB2	26/04/2018	1209	ME1800548001	pH pH Unit	6.3
PB2	22/05/2018	1150	ME1800676001	pH pH Unit	6.3
PB2	20/06/2018	1056	ME1800816001	pH pH Unit	6.5
PB2	20/07/2018	1115	ME1800947001	pH pH Unit	6.8
PB2	10/08/2018	1145	ME1801055001	pH pH Unit	6.8
PB2	17/09/2018	1133	ME1801223001	pH pH Unit	6.7
PB2	23/10/2018	1249	ME1801391001	pH pH Unit	6.6
PB2	22/11/2018	1038	ME1801533001	pH pH Unit	6.6
PB2	18/12/2018	1143	ME1801653001	pH pH Unit	6.5
PB2	14/01/2019	1253	ME1900052001	pH pH Unit	6.2
PB2	21/02/2019	1214	ME1900241001	pH pH Unit	6.1
PB2	18/03/2019	1205	ME1900366001	pH pH Unit	6.1
PB2	15/04/2019	1113	ME1900507001	pH pH Unit	6.1
PB2	21/05/2019	1151	ME1900651001	pH pH Unit	6.1
PB2	13/06/2019	1140	ME1900760001	pH pH Unit	6.2
PB2	15/07/2019	1005	ME1900896001	pH pH Unit	6.3
PB2	20/08/2019	1150	ME1901071001	pH pH Unit	6.3
PB2	16/09/2019	1347	ME1901212001	pH pH Unit	6.5
PB2	24/10/2019	1117	ME1901416001	pH pH Unit	6.5
PB2	18/11/2019	1143	ME1901522001	pH pH Unit	6.8
PB2	17/12/2019	1156	ME1901703001	pH pH Unit	6.8
PB2	23/01/2020	1030	ME2000111001	pH pH Unit	6.8
PB2	12/02/2020	1136	ME2000226001	pH pH Unit	6.7
PB2	18/03/2020	1203	ME2000433001	pH pH Unit	6.5
PB2	21/04/2020	1130	ME2000603001	pH pH Unit	5.9
PB2	21/07/2015	1142	ME1510178001	Potassium - Dissolved mg/L	7
PB2	19/08/2015	1202	ME1510333001	Potassium - Dissolved mg/L	7
PB2	18/09/2015	1204	ME1510475001	Potassium - Dissolved mg/L	7
PB2	27/10/2015	1128	ME1510672001	Potassium - Dissolved mg/L	7
PB2	20/11/2015	1040	ME1510819001	Potassium - Dissolved mg/L	7
PB2	17/12/2015	1147	ME1510975001	Potassium - Dissolved mg/L	10
PB2	20/01/2016	1150	ME1600097001	Potassium - Dissolved mg/L	12
PB2	25/02/2016	1150	ME1600272001	Potassium - Dissolved mg/L	12
PB2	21/03/2016	1137	ME1600392001	Potassium - Dissolved mg/L	12
PB2	06/04/2016	1151	ME1600471001	Potassium - Dissolved mg/L	12
PB2	20/05/2016	1041	ME1600692001	Potassium - Dissolved mg/L	10

PB2	17/06/2016	1106	ME1600840001	Potassium - Dissolved mg/L	11
PB2	22/07/2016	1119	ME1601029001	Potassium - Dissolved mg/L	12
PB2	24/08/2016	1149	ME1601180001	Potassium - Dissolved mg/L	12
PB2	06/09/2016	1150	ME1601240001	Potassium - Dissolved mg/L	11
PB2	27/10/2016	1121	ME1601510001	Potassium - Dissolved mg/L	12
PB2	22/11/2016	1149	ME1601646001	Potassium - Dissolved mg/L	12
PB2	21/12/2016	1106	ME1601801001	Potassium - Dissolved mg/L	12
PB2	21/12/2016	1106	ME1601801001	Potassium - Dissolved mg/L	12
PB2	25/01/2017	1041	ME1700124001	Potassium - Dissolved mg/L	8
PB2	25/01/2017	1041	ME1700124001	Potassium - Dissolved mg/L	8
PB2	21/02/2017	1132	ME1700243001	Potassium - Dissolved mg/L	7
PB2	21/02/2017	1132	ME1700243001	Potassium - Dissolved mg/L	7
PB2	22/03/2017	1359	ME1700413001	Potassium - Dissolved mg/L	7
PB2	22/03/2017	1359	ME1700413001	Potassium - Dissolved mg/L	7
PB2	26/04/2017	1108	ME1700582001	Potassium - Dissolved mg/L	6
PB2	26/04/2017	1108	ME1700582001	Potassium - Dissolved mg/L	6
PB2	19/05/2017	1208	ME1700709001	Potassium - Dissolved mg/L	7
PB2	22/06/2017	1052	ME1700866001	Potassium - Dissolved mg/L	6
PB2	24/07/2017	1136	ME1701008001	Potassium - Dissolved mg/L	7
PB2	17/08/2017	1157	ME1701130001	Potassium - Dissolved mg/L	6
PB2	18/09/2017	1216	ME1701275001	Potassium - Dissolved mg/L	7
PB2	16/10/2017	1229	ME1701413001	Potassium - Dissolved mg/L	6
PB2	21/11/2017	1240	ME1701588001	Potassium - Dissolved mg/L	7
PB2	21/12/2017	1032	ME1701771001	Potassium - Dissolved mg/L	7
PB2	11/01/2018	1222	ME1800056001	Potassium - Dissolved mg/L	7
PB2	19/02/2018	1214	ME1800240001	Potassium - Dissolved mg/L	6
PB2	21/03/2018	1142	ME1800392001	Potassium - Dissolved mg/L	6
PB2	26/04/2018	1209	ME1800548001	Potassium - Dissolved mg/L	6
PB2	22/05/2018	1150	ME1800676001	Potassium - Dissolved mg/L	6
PB2	20/06/2018	1056	ME1800816001	Potassium - Dissolved mg/L	6
PB2	20/07/2018	1115	ME1800947001	Potassium - Dissolved mg/L	7
PB2	10/08/2018	1145	ME1801055001	Potassium - Dissolved mg/L	6
PB2	17/09/2018	1133	ME1801223001	Potassium - Dissolved mg/L	6
PB2	23/10/2018	1249	ME1801391001	Potassium - Dissolved mg/L	6
PB2	22/11/2018	1038	ME1801533001	Potassium - Dissolved mg/L	6
PB2	18/12/2018	1143	ME1801653001	Potassium - Dissolved mg/L	7
PB2	14/01/2019	1253	ME1900052001	Potassium - Dissolved mg/L	6
PB2	21/02/2019	1214	ME1900241001	Potassium - Dissolved mg/L	6
PB2	18/03/2019	1205	ME1900366001	Potassium - Dissolved mg/L	6
PB2	15/04/2019	1113	ME1900507001	Potassium - Dissolved mg/L	6
PB2	21/05/2019	1151	ME1900651001	Potassium - Dissolved mg/L	7
PB2	13/06/2019	1140	ME1900760001	Potassium - Dissolved mg/L	6
PB2	15/07/2019	1005	ME1900896001	Potassium - Dissolved mg/L	6
PB2	20/08/2019	1150	ME1901071001	Potassium - Dissolved mg/L	6
PB2	16/09/2019	1347	ME1901212001	Potassium - Dissolved mg/L	6
PB2	24/10/2019	1117	ME1901416001	Potassium - Dissolved mg/L	6
PB2	18/11/2019	1143	ME1901522001	Potassium - Dissolved mg/L	6

PB2	17/12/2019	1156	ME1901703001	Potassium - Dissolved mg/L	6
PB2	23/01/2020	1030	ME2000111001	Potassium - Dissolved mg/L	7
PB2	12/02/2020	1136	ME2000226001	Potassium - Dissolved mg/L	8
PB2	18/03/2020	1203	ME2000433001	Potassium - Dissolved mg/L	6
PB2	21/04/2020	1130	ME2000603001	Potassium - Dissolved mg/L	6
PB2	21/07/2015	1142	ME1510178001	Selenium mg/L	<0.01
PB2	19/08/2015	1202	ME1510333001	Selenium mg/L	<0.01
PB2	18/09/2015	1204	ME1510475001	Selenium mg/L	<0.01
PB2	27/10/2015	1128	ME1510672001	Selenium mg/L	<0.01
PB2	20/11/2015	1040	ME1510819001	Selenium mg/L	<0.01
PB2	17/12/2015	1147	ME1510975001	Selenium mg/L	<0.01
PB2	20/01/2016	1150	ME1600097001	Selenium mg/L	<0.01
PB2	25/02/2016	1150	ME1600272001	Selenium mg/L	<0.01
PB2	21/03/2016	1137	ME1600392001	Selenium mg/L	<0.01
PB2	06/04/2016	1151	ME1600471001	Selenium mg/L	<0.01
PB2	20/05/2016	1041	ME1600692001	Selenium mg/L	<0.01
PB2	17/06/2016	1106	ME1600840001	Selenium mg/L	<0.01
PB2	22/07/2016	1119	ME1601029001	Selenium mg/L	<0.01
PB2	24/08/2016	1149	ME1601180001	Selenium mg/L	<0.01
PB2	06/09/2016	1150	ME1601240001	Selenium mg/L	<0.01
PB2	27/10/2016	1121	ME1601510001	Selenium mg/L	<0.01
PB2	22/11/2016	1149	ME1601646001	Selenium mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Selenium mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Selenium mg/L	<0.01
PB2	25/01/2017	1041	ME1700124001	Selenium mg/L	<0.01
PB2	25/01/2017	1041	ME1700124001	Selenium mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Selenium mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Selenium mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Selenium mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Selenium mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Selenium mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Selenium mg/L	<0.01
PB2	19/05/2017	1208	ME1700709001	Selenium mg/L	<0.01
PB2	22/06/2017	1052	ME1700866001	Selenium mg/L	<0.01
PB2	24/07/2017	1136	ME1701008001	Selenium mg/L	<0.01
PB2	17/08/2017	1157	ME1701130001	Selenium mg/L	<0.01
PB2	18/09/2017	1216	ME1701275001	Selenium mg/L	<0.01
PB2	16/10/2017	1229	ME1701413001	Selenium mg/L	<0.01
PB2	21/11/2017	1240	ME1701588001	Selenium mg/L	<0.01
PB2	21/12/2017	1032	ME1701771001	Selenium mg/L	<0.01
PB2	11/01/2018	1222	ME1800056001	Selenium mg/L	<0.01
PB2	19/02/2018	1214	ME1800240001	Selenium mg/L	<0.01
PB2	21/03/2018	1142	ME1800392001	Selenium mg/L	<0.01
PB2	26/04/2018	1209	ME1800548001	Selenium mg/L	<0.01
PB2	22/05/2018	1150	ME1800676001	Selenium mg/L	<0.01
PB2	20/06/2018	1056	ME1800816001	Selenium mg/L	<0.01
PB2	20/07/2018	1115	ME1800947001	Selenium mg/L	<0.01

PB2	10/08/2018	1145	ME1801055001	Selenium mg/L	<0.01
PB2	17/09/2018	1133	ME1801223001	Selenium mg/L	<0.01
PB2	23/10/2018	1249	ME1801391001	Selenium mg/L	<0.01
PB2	22/11/2018	1038	ME1801533001	Selenium mg/L	<0.01
PB2	18/12/2018	1143	ME1801653001	Selenium mg/L	<0.01
PB2	14/01/2019	1253	ME1900052001	Selenium mg/L	<0.01
PB2	21/02/2019	1214	ME1900241001	Selenium mg/L	<0.01
PB2	18/03/2019	1205	ME1900366001	Selenium mg/L	<0.01
PB2	15/04/2019	1113	ME1900507001	Selenium mg/L	<0.01
PB2	21/05/2019	1151	ME1900651001	Selenium mg/L	<0.01
PB2	13/06/2019	1140	ME1900760001	Selenium mg/L	<0.01
PB2	15/07/2019	1005	ME1900896001	Selenium mg/L	<0.01
PB2	20/08/2019	1150	ME1901071001	Selenium mg/L	<0.01
PB2	16/09/2019	1347	ME1901212001	Selenium mg/L	<0.01
PB2	24/10/2019	1117	ME1901416001	Selenium mg/L	<0.01
PB2	18/11/2019	1143	ME1901522001	Selenium mg/L	<0.01
PB2	17/12/2019	1156	ME1901703001	Selenium mg/L	<0.01
PB2	23/01/2020	1030	ME2000111001	Selenium mg/L	<0.01
PB2	12/02/2020	1136	ME2000226001	Selenium mg/L	<0.01
PB2	18/03/2020	1203	ME2000433001	Selenium mg/L	<0.01
PB2	21/04/2020	1130	ME2000603001	Selenium mg/L	<0.01
PB2	21/07/2015	1142	ME1510178001	Silver - Dissolved mg/L	<0.001
PB2	19/08/2015	1202	ME1510333001	Silver - Dissolved mg/L	<0.001
PB2	18/09/2015	1204	ME1510475001	Silver - Dissolved mg/L	<0.001
PB2	27/10/2015	1128	ME1510672001	Silver - Dissolved mg/L	<0.001
PB2	20/11/2015	1040	ME1510819001	Silver - Dissolved mg/L	<0.001
PB2	17/12/2015	1147	ME1510975001	Silver - Dissolved mg/L	<0.001
PB2	20/01/2016	1150	ME1600097001	Silver - Dissolved mg/L	<0.001
PB2	25/02/2016	1150	ME1600272001	Silver - Dissolved mg/L	<0.001
PB2	21/03/2016	1137	ME1600392001	Silver - Dissolved mg/L	<0.001
PB2	06/04/2016	1151	ME1600471001	Silver - Dissolved mg/L	<0.001
PB2	20/05/2016	1041	ME1600692001	Silver - Dissolved mg/L	<0.001
PB2	17/06/2016	1106	ME1600840001	Silver - Dissolved mg/L	<0.001
PB2	22/07/2016	1119	ME1601029001	Silver - Dissolved mg/L	<0.001
PB2	24/08/2016	1149	ME1601180001	Silver - Dissolved mg/L	<0.001
PB2	06/09/2016	1150	ME1601240001	Silver - Dissolved mg/L	<0.001
PB2	27/10/2016	1121	ME1601510001	Silver - Dissolved mg/L	<0.001
PB2	22/11/2016	1149	ME1601646001	Silver - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Silver - Dissolved mg/L	<0.001
PB2	21/12/2016	1106	ME1601801001	Silver - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Silver - Dissolved mg/L	<0.001
PB2	25/01/2017	1041	ME1700124001	Silver - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Silver - Dissolved mg/L	<0.001
PB2	21/02/2017	1132	ME1700243001	Silver - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Silver - Dissolved mg/L	<0.001
PB2	22/03/2017	1359	ME1700413001	Silver - Dissolved mg/L	<0.001
PB2	26/04/2017	1108	ME1700582001	Silver - Dissolved mg/L	<0.001

PB2	26/04/2017	1108	ME1700582001	Silver - Dissolved mg/L	<0.001
PB2	19/05/2017	1208	ME1700709001	Silver - Dissolved mg/L	<0.001
PB2	22/06/2017	1052	ME1700866001	Silver - Dissolved mg/L	<0.001
PB2	24/07/2017	1136	ME1701008001	Silver - Dissolved mg/L	<0.001
PB2	17/08/2017	1157	ME1701130001	Silver - Dissolved mg/L	<0.001
PB2	18/09/2017	1216	ME1701275001	Silver - Dissolved mg/L	<0.001
PB2	16/10/2017	1229	ME1701413001	Silver - Dissolved mg/L	<0.001
PB2	21/11/2017	1240	ME1701588001	Silver - Dissolved mg/L	<0.001
PB2	21/12/2017	1032	ME1701771001	Silver - Dissolved mg/L	<0.001
PB2	11/01/2018	1222	ME1800056001	Silver - Dissolved mg/L	<0.001
PB2	19/02/2018	1214	ME1800240001	Silver - Dissolved mg/L	<0.001
PB2	21/03/2018	1142	ME1800392001	Silver - Dissolved mg/L	<0.001
PB2	26/04/2018	1209	ME1800548001	Silver - Dissolved mg/L	<0.001
PB2	22/05/2018	1150	ME1800676001	Silver - Dissolved mg/L	<0.001
PB2	20/06/2018	1056	ME1800816001	Silver - Dissolved mg/L	<0.001
PB2	20/07/2018	1115	ME1800947001	Silver - Dissolved mg/L	<0.001
PB2	10/08/2018	1145	ME1801055001	Silver - Dissolved mg/L	<0.001
PB2	17/09/2018	1133	ME1801223001	Silver - Dissolved mg/L	<0.001
PB2	23/10/2018	1249	ME1801391001	Silver - Dissolved mg/L	<0.001
PB2	22/11/2018	1038	ME1801533001	Silver - Dissolved mg/L	<0.001
PB2	18/12/2018	1143	ME1801653001	Silver - Dissolved mg/L	<0.001
PB2	14/01/2019	1253	ME1900052001	Silver - Dissolved mg/L	<0.001
PB2	21/02/2019	1214	ME1900241001	Silver - Dissolved mg/L	<0.001
PB2	18/03/2019	1205	ME1900366001	Silver - Dissolved mg/L	<0.001
PB2	15/04/2019	1113	ME1900507001	Silver - Dissolved mg/L	<0.001
PB2	21/05/2019	1151	ME1900651001	Silver - Dissolved mg/L	<0.001
PB2	13/06/2019	1140	ME1900760001	Silver - Dissolved mg/L	<0.001
PB2	15/07/2019	1005	ME1900896001	Silver - Dissolved mg/L	<0.001
PB2	20/08/2019	1150	ME1901071001	Silver - Dissolved mg/L	<0.001
PB2	16/09/2019	1347	ME1901212001	Silver - Dissolved mg/L	<0.001
PB2	24/10/2019	1117	ME1901416001	Silver - Dissolved mg/L	<0.001
PB2	18/11/2019	1143	ME1901522001	Silver - Dissolved mg/L	<0.001
PB2	17/12/2019	1156	ME1901703001	Silver - Dissolved mg/L	<0.001
PB2	23/01/2020	1030	ME2000111001	Silver - Dissolved mg/L	<0.001
PB2	12/02/2020	1136	ME2000226001	Silver - Dissolved mg/L	<0.001
PB2	18/03/2020	1203	ME2000433001	Silver - Dissolved mg/L	<0.001
PB2	21/04/2020	1130	ME2000603001	Silver - Dissolved mg/L	<0.001
PB2	21/07/2015	1142	ME1510178001	Sodium - Dissolved mg/L	93
PB2	19/08/2015	1202	ME1510333001	Sodium - Dissolved mg/L	94
PB2	18/09/2015	1204	ME1510475001	Sodium - Dissolved mg/L	87
PB2	27/10/2015	1128	ME1510672001	Sodium - Dissolved mg/L	103
PB2	20/11/2015	1040	ME1510819001	Sodium - Dissolved mg/L	99
PB2	17/12/2015	1147	ME1510975001	Sodium - Dissolved mg/L	74
PB2	20/01/2016	1150	ME1600097001	Sodium - Dissolved mg/L	78
PB2	25/02/2016	1150	ME1600272001	Sodium - Dissolved mg/L	79
PB2	21/03/2016	1137	ME1600392001	Sodium - Dissolved mg/L	86
PB2	06/04/2016	1151	ME1600471001	Sodium - Dissolved mg/L	82

PB2	20/05/2016	1041	ME1600692001	Sodium - Dissolved mg/L	72
PB2	17/06/2016	1106	ME1600840001	Sodium - Dissolved mg/L	78
PB2	22/07/2016	1119	ME1601029001	Sodium - Dissolved mg/L	78
PB2	24/08/2016	1149	ME1601180001	Sodium - Dissolved mg/L	80
PB2	06/09/2016	1150	ME1601240001	Sodium - Dissolved mg/L	78
PB2	27/10/2016	1121	ME1601510001	Sodium - Dissolved mg/L	71
PB2	22/11/2016	1149	ME1601646001	Sodium - Dissolved mg/L	86
PB2	21/12/2016	1106	ME1601801001	Sodium - Dissolved mg/L	85
PB2	21/12/2016	1106	ME1601801001	Sodium - Dissolved mg/L	85
PB2	25/01/2017	1041	ME1700124001	Sodium - Dissolved mg/L	88
PB2	25/01/2017	1041	ME1700124001	Sodium - Dissolved mg/L	88
PB2	21/02/2017	1132	ME1700243001	Sodium - Dissolved mg/L	91
PB2	21/02/2017	1132	ME1700243001	Sodium - Dissolved mg/L	91
PB2	22/03/2017	1359	ME1700413001	Sodium - Dissolved mg/L	89
PB2	22/03/2017	1359	ME1700413001	Sodium - Dissolved mg/L	89
PB2	26/04/2017	1108	ME1700582001	Sodium - Dissolved mg/L	91
PB2	26/04/2017	1108	ME1700582001	Sodium - Dissolved mg/L	91
PB2	19/05/2017	1208	ME1700709001	Sodium - Dissolved mg/L	96
PB2	22/06/2017	1052	ME1700866001	Sodium - Dissolved mg/L	89
PB2	24/07/2017	1136	ME1701008001	Sodium - Dissolved mg/L	94
PB2	17/08/2017	1157	ME1701130001	Sodium - Dissolved mg/L	100
PB2	18/09/2017	1216	ME1701275001	Sodium - Dissolved mg/L	96
PB2	16/10/2017	1229	ME1701413001	Sodium - Dissolved mg/L	94
PB2	21/11/2017	1240	ME1701588001	Sodium - Dissolved mg/L	110
PB2	21/12/2017	1032	ME1701771001	Sodium - Dissolved mg/L	107
PB2	11/01/2018	1222	ME1800056001	Sodium - Dissolved mg/L	99
PB2	19/02/2018	1214	ME1800240001	Sodium - Dissolved mg/L	102
PB2	21/03/2018	1142	ME1800392001	Sodium - Dissolved mg/L	100
PB2	26/04/2018	1209	ME1800548001	Sodium - Dissolved mg/L	106
PB2	22/05/2018	1150	ME1800676001	Sodium - Dissolved mg/L	105
PB2	20/06/2018	1056	ME1800816001	Sodium - Dissolved mg/L	97
PB2	20/07/2018	1115	ME1800947001	Sodium - Dissolved mg/L	107
PB2	10/08/2018	1145	ME1801055001	Sodium - Dissolved mg/L	100
PB2	17/09/2018	1133	ME1801223001	Sodium - Dissolved mg/L	103
PB2	23/10/2018	1249	ME1801391001	Sodium - Dissolved mg/L	102
PB2	22/11/2018	1038	ME1801533001	Sodium - Dissolved mg/L	103
PB2	18/12/2018	1143	ME1801653001	Sodium - Dissolved mg/L	105
PB2	14/01/2019	1253	ME1900052001	Sodium - Dissolved mg/L	101
PB2	21/02/2019	1214	ME1900241001	Sodium - Dissolved mg/L	109
PB2	18/03/2019	1205	ME1900366001	Sodium - Dissolved mg/L	103
PB2	15/04/2019	1113	ME1900507001	Sodium - Dissolved mg/L	98
PB2	21/05/2019	1151	ME1900651001	Sodium - Dissolved mg/L	103
PB2	13/06/2019	1140	ME1900760001	Sodium - Dissolved mg/L	104
PB2	15/07/2019	1005	ME1900896001	Sodium - Dissolved mg/L	106
PB2	20/08/2019	1150	ME1901071001	Sodium - Dissolved mg/L	103
PB2	16/09/2019	1347	ME1901212001	Sodium - Dissolved mg/L	103
PB2	24/10/2019	1117	ME1901416001	Sodium - Dissolved mg/L	97

PB2	18/11/2019	1143	ME1901522001	Sodium - Dissolved mg/L	105
PB2	17/12/2019	1156	ME1901703001	Sodium - Dissolved mg/L	104
PB2	23/01/2020	1030	ME2000111001	Sodium - Dissolved mg/L	102
PB2	12/02/2020	1136	ME2000226001	Sodium - Dissolved mg/L	100
PB2	18/03/2020	1203	ME2000433001	Sodium - Dissolved mg/L	96
PB2	21/04/2020	1130	ME2000603001	Sodium - Dissolved mg/L	105
PB2	21/07/2015	1142	ME1510178001	Sulfate as SO4 - Turbidimetric mg/L	1920
PB2	19/08/2015	1202	ME1510333001	Sulfate as SO4 - Turbidimetric mg/L	1790
PB2	18/09/2015	1204	ME1510475001	Sulfate as SO4 - Turbidimetric mg/L	1840
PB2	27/10/2015	1128	ME1510672001	Sulfate as SO4 - Turbidimetric mg/L	1940
PB2	20/11/2015	1040	ME1510819001	Sulfate as SO4 - Turbidimetric mg/L	1890
PB2	17/12/2015	1147	ME1510975001	Sulfate as SO4 - Turbidimetric mg/L	768
PB2	20/01/2016	1150	ME1600097001	Sulfate as SO4 - Turbidimetric mg/L	673
PB2	25/02/2016	1150	ME1600272001	Sulfate as SO4 - Turbidimetric mg/L	781
PB2	21/03/2016	1137	ME1600392001	Sulfate as SO4 - Turbidimetric mg/L	707
PB2	06/04/2016	1151	ME1600471001	Sulfate as SO4 - Turbidimetric mg/L	630
PB2	20/05/2016	1041	ME1600692001	Sulfate as SO4 - Turbidimetric mg/L	667
PB2	17/06/2016	1106	ME1600840001	Sulfate as SO4 - Turbidimetric mg/L	628
PB2	22/07/2016	1119	ME1601029001	Sulfate as SO4 - Turbidimetric mg/L	627
PB2	24/08/2016	1149	ME1601180001	Sulfate as SO4 - Turbidimetric mg/L	470
PB2	06/09/2016	1150	ME1601240001	Sulfate as SO4 - Turbidimetric mg/L	685
PB2	27/10/2016	1121	ME1601510001	Sulfate as SO4 - Turbidimetric mg/L	485
PB2	22/11/2016	1149	ME1601646001	Sulfate as SO4 - Turbidimetric mg/L	635
PB2	21/12/2016	1106	ME1601801001	Sulfate as SO4 - Turbidimetric mg/L	919
PB2	21/12/2016	1106	ME1601801001	Sulfate as SO4 - Turbidimetric mg/L	919
PB2	25/01/2017	1041	ME1700124001	Sulfate as SO4 - Turbidimetric mg/L	943
PB2	25/01/2017	1041	ME1700124001	Sulfate as SO4 - Turbidimetric mg/L	943
PB2	21/02/2017	1132	ME1700243001	Sulfate as SO4 - Turbidimetric mg/L	904
PB2	21/02/2017	1132	ME1700243001	Sulfate as SO4 - Turbidimetric mg/L	904
PB2	22/03/2017	1359	ME1700413001	Sulfate as SO4 - Turbidimetric mg/L	904
PB2	22/03/2017	1359	ME1700413001	Sulfate as SO4 - Turbidimetric mg/L	904
PB2	26/04/2017	1108	ME1700582001	Sulfate as SO4 - Turbidimetric mg/L	969
PB2	26/04/2017	1108	ME1700582001	Sulfate as SO4 - Turbidimetric mg/L	969
PB2	19/05/2017	1208	ME1700709001	Sulfate as SO4 - Turbidimetric mg/L	854
PB2	22/06/2017	1052	ME1700866001	Sulfate as SO4 - Turbidimetric mg/L	835
PB2	24/07/2017	1136	ME1701008001	Sulfate as SO4 - Turbidimetric mg/L	851
PB2	17/08/2017	1157	ME1701130001	Sulfate as SO4 - Turbidimetric mg/L	1020
PB2	18/09/2017	1216	ME1701275001	Sulfate as SO4 - Turbidimetric mg/L	830
PB2	16/10/2017	1229	ME1701413001	Sulfate as SO4 - Turbidimetric mg/L	876
PB2	21/11/2017	1240	ME1701588001	Sulfate as SO4 - Turbidimetric mg/L	1040
PB2	21/12/2017	1032	ME1701771001	Sulfate as SO4 - Turbidimetric mg/L	1040
PB2	11/01/2018	1222	ME1800056001	Sulfate as SO4 - Turbidimetric mg/L	1640
PB2	19/02/2018	1214	ME1800240001	Sulfate as SO4 - Turbidimetric mg/L	1840
PB2	21/03/2018	1142	ME1800392001	Sulfate as SO4 - Turbidimetric mg/L	1890
PB2	26/04/2018	1209	ME1800548001	Sulfate as SO4 - Turbidimetric mg/L	2260
PB2	22/05/2018	1150	ME1800676001	Sulfate as SO4 - Turbidimetric mg/L	2070
PB2	20/06/2018	1056	ME1800816001	Sulfate as SO4 - Turbidimetric mg/L	1940

PB2	20/07/2018	1115	ME1800947001	Sulfate as SO4 - Turbidimetric mg/L	1970
PB2	10/08/2018	1145	ME1801055001	Sulfate as SO4 - Turbidimetric mg/L	1900
PB2	17/09/2018	1133	ME1801223001	Sulfate as SO4 - Turbidimetric mg/L	1990
PB2	23/10/2018	1249	ME1801391001	Sulfate as SO4 - Turbidimetric mg/L	1840
PB2	22/11/2018	1038	ME1801533001	Sulfate as SO4 - Turbidimetric mg/L	2220
PB2	18/12/2018	1143	ME1801653001	Sulfate as SO4 - Turbidimetric mg/L	2000
PB2	14/01/2019	1253	ME1900052001	Sulfate as SO4 - Turbidimetric mg/L	1790
PB2	21/02/2019	1214	ME1900241001	Sulfate as SO4 - Turbidimetric mg/L	2250
PB2	18/03/2019	1205	ME1900366001	Sulfate as SO4 - Turbidimetric mg/L	2190
PB2	15/04/2019	1113	ME1900507001	Sulfate as SO4 - Turbidimetric mg/L	1420
PB2	21/05/2019	1151	ME1900651001	Sulfate as SO4 - Turbidimetric mg/L	2010
PB2	13/06/2019	1140	ME1900760001	Sulfate as SO4 - Turbidimetric mg/L	1800
PB2	15/07/2019	1005	ME1900896001	Sulfate as SO4 - Turbidimetric mg/L	2310
PB2	20/08/2019	1150	ME1901071001	Sulfate as SO4 - Turbidimetric mg/L	2320
PB2	16/09/2019	1347	ME1901212001	Sulfate as SO4 - Turbidimetric mg/L	2140
PB2	24/10/2019	1117	ME1901416001	Sulfate as SO4 - Turbidimetric mg/L	2120
PB2	18/11/2019	1143	ME1901522001	Sulfate as SO4 - Turbidimetric mg/L	2290
PB2	17/12/2019	1156	ME1901703001	Sulfate as SO4 - Turbidimetric mg/L	2020
PB2	23/01/2020	1030	ME2000111001	Sulfate as SO4 - Turbidimetric mg/L	1960
PB2	12/02/2020	1136	ME2000226001	Sulfate as SO4 - Turbidimetric mg/L	1890
PB2	18/03/2020	1203	ME2000433001	Sulfate as SO4 - Turbidimetric mg/L	2040
PB2	21/04/2020	1130	ME2000603001	Sulfate as SO4 - Turbidimetric mg/L	2140
PB2	21/07/2015	1142	ME1510178001	Suspended Solids (SS) mg/L	214
PB2	19/08/2015	1202	ME1510333001	Suspended Solids (SS) mg/L	52
PB2	18/09/2015	1204	ME1510475001	Suspended Solids (SS) mg/L	130
PB2	27/10/2015	1128	ME1510672001	Suspended Solids (SS) mg/L	79
PB2	20/11/2015	1040	ME1510819001	Suspended Solids (SS) mg/L	108
PB2	17/12/2015	1147	ME1510975001	Suspended Solids (SS) mg/L	32
PB2	20/01/2016	1150	ME1600097001	Suspended Solids (SS) mg/L	22
PB2	25/02/2016	1150	ME1600272001	Suspended Solids (SS) mg/L	13
PB2	21/03/2016	1137	ME1600392001	Suspended Solids (SS) mg/L	9
PB2	06/04/2016	1151	ME1600471001	Suspended Solids (SS) mg/L	13
PB2	20/05/2016	1041	ME1600692001	Suspended Solids (SS) mg/L	7
PB2	17/06/2016	1106	ME1600840001	Suspended Solids (SS) mg/L	14
PB2	22/07/2016	1119	ME1601029001	Suspended Solids (SS) mg/L	9
PB2	24/08/2016	1149	ME1601180001	Suspended Solids (SS) mg/L	12
PB2	06/09/2016	1150	ME1601240001	Suspended Solids (SS) mg/L	9
PB2	27/10/2016	1121	ME1601510001	Suspended Solids (SS) mg/L	11
PB2	22/11/2016	1149	ME1601646001	Suspended Solids (SS) mg/L	9
PB2	21/12/2016	1106	ME1601801001	Suspended Solids (SS) mg/L	14
PB2	21/12/2016	1106	ME1601801001	Suspended Solids (SS) mg/L	14
PB2	25/01/2017	1041	ME1700124001	Suspended Solids (SS) mg/L	48
PB2	25/01/2017	1041	ME1700124001	Suspended Solids (SS) mg/L	48
PB2	21/02/2017	1132	ME1700243001	Suspended Solids (SS) mg/L	23
PB2	21/02/2017	1132	ME1700243001	Suspended Solids (SS) mg/L	23
PB2	22/03/2017	1359	ME1700413001	Suspended Solids (SS) mg/L	24
PB2	22/03/2017	1359	ME1700413001	Suspended Solids (SS) mg/L	24

PB2	26/04/2017	1108	ME1700582001	Suspended Solids (SS) mg/L	28
PB2	26/04/2017	1108	ME1700582001	Suspended Solids (SS) mg/L	28
PB2	19/05/2017	1208	ME1700709001	Suspended Solids (SS) mg/L	17
PB2	22/06/2017	1052	ME1700866001	Suspended Solids (SS) mg/L	27
PB2	24/07/2017	1136	ME1701008001	Suspended Solids (SS) mg/L	16
PB2	17/08/2017	1157	ME1701130001	Suspended Solids (SS) mg/L	18
PB2	18/09/2017	1216	ME1701275001	Suspended Solids (SS) mg/L	17
PB2	16/10/2017	1229	ME1701413001	Suspended Solids (SS) mg/L	14
PB2	21/11/2017	1240	ME1701588001	Suspended Solids (SS) mg/L	23
PB2	21/12/2017	1032	ME1701771001	Suspended Solids (SS) mg/L	41
PB2	11/01/2018	1222	ME1800056001	Suspended Solids (SS) mg/L	54
PB2	19/02/2018	1214	ME1800240001	Suspended Solids (SS) mg/L	80
PB2	21/03/2018	1142	ME1800392001	Suspended Solids (SS) mg/L	66
PB2	26/04/2018	1209	ME1800548001	Suspended Solids (SS) mg/L	55
PB2	22/05/2018	1150	ME1800676001	Suspended Solids (SS) mg/L	68
PB2	20/06/2018	1056	ME1800816001	Suspended Solids (SS) mg/L	64
PB2	20/07/2018	1115	ME1800947001	Suspended Solids (SS) mg/L	92
PB2	10/08/2018	1145	ME1801055001	Suspended Solids (SS) mg/L	92
PB2	17/09/2018	1133	ME1801223001	Suspended Solids (SS) mg/L	134
PB2	23/10/2018	1249	ME1801391001	Suspended Solids (SS) mg/L	99
PB2	22/11/2018	1038	ME1801533001	Suspended Solids (SS) mg/L	102
PB2	18/12/2018	1143	ME1801653001	Suspended Solids (SS) mg/L	82
PB2	14/01/2019	1253	ME1900052001	Suspended Solids (SS) mg/L	35
PB2	21/02/2019	1214	ME1900241001	Suspended Solids (SS) mg/L	39
PB2	18/03/2019	1205	ME1900366001	Suspended Solids (SS) mg/L	108
PB2	15/04/2019	1113	ME1900507001	Suspended Solids (SS) mg/L	50
PB2	21/05/2019	1151	ME1900651001	Suspended Solids (SS) mg/L	20
PB2	13/06/2019	1140	ME1900760001	Suspended Solids (SS) mg/L	40
PB2	15/07/2019	1005	ME1900896001	Suspended Solids (SS) mg/L	39
PB2	20/08/2019	1150	ME1901071001	Suspended Solids (SS) mg/L	49
PB2	16/09/2019	1347	ME1901212001	Suspended Solids (SS) mg/L	90
PB2	24/10/2019	1117	ME1901416001	Suspended Solids (SS) mg/L	88
PB2	18/11/2019	1143	ME1901522001	Suspended Solids (SS) mg/L	92
PB2	17/12/2019	1156	ME1901703001	Suspended Solids (SS) mg/L	90
PB2	23/01/2020	1030	ME2000111001	Suspended Solids (SS) mg/L	70
PB2	12/02/2020	1136	ME2000226001	Suspended Solids (SS) mg/L	78
PB2	18/03/2020	1203	ME2000433001	Suspended Solids (SS) mg/L	68
PB2	21/04/2020	1130	ME2000603001	Suspended Solids (SS) mg/L	18
PB2	21/07/2015	1142	ME1510178001	Total Alkalinity as CaCO3 mg/L	86
PB2	19/08/2015	1202	ME1510333001	Total Alkalinity as CaCO3 mg/L	102
PB2	18/09/2015	1204	ME1510475001	Total Alkalinity as CaCO3 mg/L	26
PB2	27/10/2015	1128	ME1510672001	Total Alkalinity as CaCO3 mg/L	88
PB2	20/11/2015	1040	ME1510819001	Total Alkalinity as CaCO3 mg/L	79
PB2	17/12/2015	1147	ME1510975001	Total Alkalinity as CaCO3 mg/L	124
PB2	20/01/2016	1150	ME1600097001	Total Alkalinity as CaCO3 mg/L	112
PB2	25/02/2016	1150	ME1600272001	Total Alkalinity as CaCO3 mg/L	106
PB2	21/03/2016	1137	ME1600392001	Total Alkalinity as CaCO3 mg/L	96

PB2	06/04/2016	1151	ME1600471001	Total Alkalinity as CaCO3 mg/L	99
PB2	20/05/2016	1041	ME1600692001	Total Alkalinity as CaCO3 mg/L	82
PB2	17/06/2016	1106	ME1600840001	Total Alkalinity as CaCO3 mg/L	127
PB2	22/07/2016	1119	ME1601029001	Total Alkalinity as CaCO3 mg/L	94
PB2	24/08/2016	1149	ME1601180001	Total Alkalinity as CaCO3 mg/L	105
PB2	06/09/2016	1150	ME1601240001	Total Alkalinity as CaCO3 mg/L	108
PB2	27/10/2016	1121	ME1601510001	Total Alkalinity as CaCO3 mg/L	125
PB2	22/11/2016	1149	ME1601646001	Total Alkalinity as CaCO3 mg/L	79
PB2	21/12/2016	1106	ME1601801001	Total Alkalinity as CaCO3 mg/L	76
PB2	21/12/2016	1106	ME1601801001	Total Alkalinity as CaCO3 mg/L	76
PB2	25/01/2017	1041	ME1700124001	Total Alkalinity as CaCO3 mg/L	71
PB2	25/01/2017	1041	ME1700124001	Total Alkalinity as CaCO3 mg/L	71
PB2	21/02/2017	1132	ME1700243001	Total Alkalinity as CaCO3 mg/L	57
PB2	21/02/2017	1132	ME1700243001	Total Alkalinity as CaCO3 mg/L	57
PB2	22/03/2017	1359	ME1700413001	Total Alkalinity as CaCO3 mg/L	50
PB2	22/03/2017	1359	ME1700413001	Total Alkalinity as CaCO3 mg/L	50
PB2	26/04/2017	1108	ME1700582001	Total Alkalinity as CaCO3 mg/L	35
PB2	26/04/2017	1108	ME1700582001	Total Alkalinity as CaCO3 mg/L	35
PB2	19/05/2017	1208	ME1700709001	Total Alkalinity as CaCO3 mg/L	34
PB2	22/06/2017	1052	ME1700866001	Total Alkalinity as CaCO3 mg/L	28
PB2	24/07/2017	1136	ME1701008001	Total Alkalinity as CaCO3 mg/L	26
PB2	17/08/2017	1157	ME1701130001	Total Alkalinity as CaCO3 mg/L	26
PB2	18/09/2017	1216	ME1701275001	Total Alkalinity as CaCO3 mg/L	28
PB2	16/10/2017	1229	ME1701413001	Total Alkalinity as CaCO3 mg/L	23
PB2	21/11/2017	1240	ME1701588001	Total Alkalinity as CaCO3 mg/L	22
PB2	21/12/2017	1032	ME1701771001	Total Alkalinity as CaCO3 mg/L	44
PB2	11/01/2018	1222	ME1800056001	Total Alkalinity as CaCO3 mg/L	100
PB2	19/02/2018	1214	ME1800240001	Total Alkalinity as CaCO3 mg/L	203
PB2	21/03/2018	1142	ME1800392001	Total Alkalinity as CaCO3 mg/L	115
PB2	26/04/2018	1209	ME1800548001	Total Alkalinity as CaCO3 mg/L	116
PB2	22/05/2018	1150	ME1800676001	Total Alkalinity as CaCO3 mg/L	142
PB2	20/06/2018	1056	ME1800816001	Total Alkalinity as CaCO3 mg/L	131
PB2	20/07/2018	1115	ME1800947001	Total Alkalinity as CaCO3 mg/L	226
PB2	10/08/2018	1145	ME1801055001	Total Alkalinity as CaCO3 mg/L	210
PB2	17/09/2018	1133	ME1801223001	Total Alkalinity as CaCO3 mg/L	144
PB2	23/10/2018	1249	ME1801391001	Total Alkalinity as CaCO3 mg/L	235
PB2	22/11/2018	1038	ME1801533001	Total Alkalinity as CaCO3 mg/L	226
PB2	18/12/2018	1143	ME1801653001	Total Alkalinity as CaCO3 mg/L	213
PB2	14/01/2019	1253	ME1900052001	Total Alkalinity as CaCO3 mg/L	124
PB2	21/02/2019	1214	ME1900241001	Total Alkalinity as CaCO3 mg/L	72
PB2	18/03/2019	1205	ME1900366001	Total Alkalinity as CaCO3 mg/L	95
PB2	15/04/2019	1113	ME1900507001	Total Alkalinity as CaCO3 mg/L	78
PB2	21/05/2019	1151	ME1900651001	Total Alkalinity as CaCO3 mg/L	66
PB2	13/06/2019	1140	ME1900760001	Total Alkalinity as CaCO3 mg/L	56
PB2	15/07/2019	1005	ME1900896001	Total Alkalinity as CaCO3 mg/L	93
PB2	20/08/2019	1150	ME1901071001	Total Alkalinity as CaCO3 mg/L	76
PB2	16/09/2019	1347	ME1901212001	Total Alkalinity as CaCO3 mg/L	40

PB2	24/10/2019	1117	ME1901416001	Total Alkalinity as CaCO3 mg/L	120
PB2	18/11/2019	1143	ME1901522001	Total Alkalinity as CaCO3 mg/L	275
PB2	17/12/2019	1156	ME1901703001	Total Alkalinity as CaCO3 mg/L	<1
PB2	23/01/2020	1030	ME2000111001	Total Alkalinity as CaCO3 mg/L	278
PB2	12/02/2020	1136	ME2000226001	Total Alkalinity as CaCO3 mg/L	257
PB2	18/03/2020	1203	ME2000433001	Total Alkalinity as CaCO3 mg/L	125
PB2	21/04/2020	1130	ME2000603001	Total Alkalinity as CaCO3 mg/L	121
PB2	21/07/2015	1142	ME1510178001	Total Anions meq/L	43.4
PB2	19/08/2015	1202	ME1510333001	Total Anions meq/L	40.9
PB2	18/09/2015	1204	ME1510475001	Total Anions meq/L	41.1
PB2	27/10/2015	1128	ME1510672001	Total Anions meq/L	44.1
PB2	20/11/2015	1040	ME1510819001	Total Anions meq/L	43
PB2	17/12/2015	1147	ME1510975001	Total Anions meq/L	20.5
PB2	20/01/2016	1150	ME1600097001	Total Anions meq/L	18.4
PB2	25/02/2016	1150	ME1600272001	Total Anions meq/L	20.4
PB2	21/03/2016	1137	ME1600392001	Total Anions meq/L	18.8
PB2	06/04/2016	1151	ME1600471001	Total Anions meq/L	17.1
PB2	20/05/2016	1041	ME1600692001	Total Anions meq/L	17.6
PB2	17/06/2016	1106	ME1600840001	Total Anions meq/L	17.6
PB2	22/07/2016	1119	ME1601029001	Total Anions meq/L	14.9
PB2	24/08/2016	1149	ME1601180001	Total Anions meq/L	14.1
PB2	06/09/2016	1150	ME1601240001	Total Anions meq/L	18.5
PB2	27/10/2016	1121	ME1601510001	Total Anions meq/L	14.2
PB2	22/11/2016	1149	ME1601646001	Total Anions meq/L	16.9
PB2	21/12/2016	1106	ME1601801001	Total Anions meq/L	22.8
PB2	25/01/2017	1041	ME1700124001	Total Anions meq/L	23
PB2	21/02/2017	1132	ME1700243001	Total Anions meq/L	21.9
PB2	22/03/2017	1359	ME1700413001	Total Anions meq/L	21.8
PB2	26/04/2017	1108	ME1700582001	Total Anions meq/L	23.3
PB2	26/04/2017	1108	ME1700582001	Total Anions meq/L	23.3
PB2	19/05/2017	1208	ME1700709001	Total Anions meq/L	20.6
PB2	22/06/2017	1052	ME1700866001	Total Anions meq/L	20.1
PB2	24/07/2017	1136	ME1701008001	Total Anions meq/L	20.2
PB2	17/08/2017	1157	ME1701130001	Total Anions meq/L	24
PB2	18/09/2017	1216	ME1701275001	Total Anions meq/L	20.1
PB2	16/10/2017	1229	ME1701413001	Total Anions meq/L	20.7
PB2	21/11/2017	1240	ME1701588001	Total Anions meq/L	24.4
PB2	21/12/2017	1032	ME1701771001	Total Anions meq/L	25.4
PB2	11/01/2018	1222	ME1800056001	Total Anions meq/L	38.2
PB2	19/02/2018	1214	ME1800240001	Total Anions meq/L	44.4
PB2	21/03/2018	1142	ME1800392001	Total Anions meq/L	43.8
PB2	26/04/2018	1209	ME1800548001	Total Anions meq/L	51.6
PB2	22/05/2018	1150	ME1800676001	Total Anions meq/L	47.8
PB2	20/06/2018	1056	ME1800816001	Total Anions meq/L	45.2
PB2	20/07/2018	1115	ME1800947001	Total Anions meq/L	47.7
PB2	10/08/2018	1145	ME1801055001	Total Anions meq/L	46.7
PB2	17/09/2018	1133	ME1801223001	Total Anions meq/L	47.7

PB2	23/10/2018	1249	ME1801391001	Total Anions meq/L	45.1
PB2	22/11/2018	1038	ME1801533001	Total Anions meq/L	52.7
PB2	18/12/2018	1143	ME1801653001	Total Anions meq/L	48.1
PB2	14/01/2019	1253	ME1900052001	Total Anions meq/L	41.8
PB2	21/02/2019	1214	ME1900241001	Total Anions meq/L	50.5
PB2	18/03/2019	1205	ME1900366001	Total Anions meq/L	49.6
PB2	15/04/2019	1113	ME1900507001	Total Anions meq/L	33.3
PB2	21/05/2019	1151	ME1900651001	Total Anions meq/L	45
PB2	13/06/2019	1140	ME1900760001	Total Anions meq/L	40.6
PB2	15/07/2019	1005	ME1900896001	Total Anions meq/L	51.8
PB2	20/08/2019	1150	ME1901071001	Total Anions meq/L	52.3
PB2	16/09/2019	1347	ME1901212001	Total Anions meq/L	47.2
PB2	24/10/2019	1117	ME1901416001	Total Anions meq/L	48.6
PB2	18/11/2019	1143	ME1901522001	Total Anions meq/L	55.5
PB2	17/12/2019	1156	ME1901703001	Total Anions meq/L	44.6
PB2	23/01/2020	1030	ME2000111001	Total Anions meq/L	48.4
PB2	12/02/2020	1136	ME2000226001	Total Anions meq/L	46.4
PB2	18/03/2020	1203	ME2000433001	Total Anions meq/L	47.1
PB2	21/04/2020	1130	ME2000603001	Total Anions meq/L	48.9
PB2	21/07/2015	1142	ME1510178001	Total Cations meq/L	35.9
PB2	19/08/2015	1202	ME1510333001	Total Cations meq/L	39
PB2	18/09/2015	1204	ME1510475001	Total Cations meq/L	39
PB2	27/10/2015	1128	ME1510672001	Total Cations meq/L	38.2
PB2	20/11/2015	1040	ME1510819001	Total Cations meq/L	36.2
PB2	17/12/2015	1147	ME1510975001	Total Cations meq/L	18.4
PB2	20/01/2016	1150	ME1600097001	Total Cations meq/L	19.9
PB2	25/02/2016	1150	ME1600272001	Total Cations meq/L	18.8
PB2	21/03/2016	1137	ME1600392001	Total Cations meq/L	19.8
PB2	06/04/2016	1151	ME1600471001	Total Cations meq/L	17.7
PB2	20/05/2016	1041	ME1600692001	Total Cations meq/L	16
PB2	17/06/2016	1106	ME1600840001	Total Cations meq/L	17
PB2	22/07/2016	1119	ME1601029001	Total Cations meq/L	16.8
PB2	24/08/2016	1149	ME1601180001	Total Cations meq/L	17
PB2	06/09/2016	1150	ME1601240001	Total Cations meq/L	16.4
PB2	27/10/2016	1121	ME1601510001	Total Cations meq/L	15.7
PB2	22/11/2016	1149	ME1601646001	Total Cations meq/L	18.6
PB2	21/12/2016	1106	ME1601801001	Total Cations meq/L	19.6
PB2	25/01/2017	1041	ME1700124001	Total Cations meq/L	23.5
PB2	21/02/2017	1132	ME1700243001	Total Cations meq/L	23.8
PB2	22/03/2017	1359	ME1700413001	Total Cations meq/L	22.9
PB2	26/04/2017	1108	ME1700582001	Total Cations meq/L	21.6
PB2	26/04/2017	1108	ME1700582001	Total Cations meq/L	21.6
PB2	19/05/2017	1208	ME1700709001	Total Cations meq/L	22.5
PB2	22/06/2017	1052	ME1700866001	Total Cations meq/L	21
PB2	24/07/2017	1136	ME1701008001	Total Cations meq/L	21.7
PB2	17/08/2017	1157	ME1701130001	Total Cations meq/L	20.9
PB2	18/09/2017	1216	ME1701275001	Total Cations meq/L	22.1

PB2	16/10/2017	1229	ME1701413001	Total Cations meq/L	22
PB2	21/11/2017	1240	ME1701588001	Total Cations meq/L	24.6
PB2	21/12/2017	1032	ME1701771001	Total Cations meq/L	25.5
PB2	11/01/2018	1222	ME1800056001	Total Cations meq/L	32
PB2	19/02/2018	1214	ME1800240001	Total Cations meq/L	39
PB2	21/03/2018	1142	ME1800392001	Total Cations meq/L	37.9
PB2	26/04/2018	1209	ME1800548001	Total Cations meq/L	51.6
PB2	22/05/2018	1150	ME1800676001	Total Cations meq/L	39.4
PB2	20/06/2018	1056	ME1800816001	Total Cations meq/L	36.7
PB2	20/07/2018	1115	ME1800947001	Total Cations meq/L	38.8
PB2	10/08/2018	1145	ME1801055001	Total Cations meq/L	50.2
PB2	17/09/2018	1133	ME1801223001	Total Cations meq/L	36.3
PB2	23/10/2018	1249	ME1801391001	Total Cations meq/L	37.1
PB2	22/11/2018	1038	ME1801533001	Total Cations meq/L	38.6
PB2	18/12/2018	1143	ME1801653001	Total Cations meq/L	39.5
PB2	14/01/2019	1253	ME1900052001	Total Cations meq/L	40.6
PB2	21/02/2019	1214	ME1900241001	Total Cations meq/L	41.6
PB2	18/03/2019	1205	ME1900366001	Total Cations meq/L	40.6
PB2	15/04/2019	1113	ME1900507001	Total Cations meq/L	37.7
PB2	21/05/2019	1151	ME1900651001	Total Cations meq/L	40.7
PB2	13/06/2019	1140	ME1900760001	Total Cations meq/L	40
PB2	15/07/2019	1005	ME1900896001	Total Cations meq/L	41.1
PB2	20/08/2019	1150	ME1901071001	Total Cations meq/L	39
PB2	16/09/2019	1347	ME1901212001	Total Cations meq/L	39.6
PB2	24/10/2019	1117	ME1901416001	Total Cations meq/L	50.3
PB2	18/11/2019	1143	ME1901522001	Total Cations meq/L	51.6
PB2	17/12/2019	1156	ME1901703001	Total Cations meq/L	37.6
PB2	23/01/2020	1030	ME2000111001	Total Cations meq/L	52.3
PB2	12/02/2020	1136	ME2000226001	Total Cations meq/L	49.7
PB2	18/03/2020	1203	ME2000433001	Total Cations meq/L	51.3
PB2	21/04/2020	1130	ME2000603001	Total Cations meq/L	40.6
PB2	21/07/2015	1142	ME1510178001	Total Kjeldahl Nitrogen as N mg/L	0.3
PB2	19/08/2015	1202	ME1510333001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	18/09/2015	1204	ME1510475001	Total Kjeldahl Nitrogen as N mg/L	0.3
PB2	27/10/2015	1128	ME1510672001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	20/11/2015	1040	ME1510819001	Total Kjeldahl Nitrogen as N mg/L	0.3
PB2	17/12/2015	1147	ME1510975001	Total Kjeldahl Nitrogen as N mg/L	0.7
PB2	20/01/2016	1150	ME1600097001	Total Kjeldahl Nitrogen as N mg/L	0.5
PB2	25/02/2016	1150	ME1600272001	Total Kjeldahl Nitrogen as N mg/L	0.6
PB2	21/03/2016	1137	ME1600392001	Total Kjeldahl Nitrogen as N mg/L	0.4
PB2	06/04/2016	1151	ME1600471001	Total Kjeldahl Nitrogen as N mg/L	0.7
PB2	20/05/2016	1041	ME1600692001	Total Kjeldahl Nitrogen as N mg/L	0.7
PB2	17/06/2016	1106	ME1600840001	Total Kjeldahl Nitrogen as N mg/L	0.8
PB2	22/07/2016	1119	ME1601029001	Total Kjeldahl Nitrogen as N mg/L	0.6
PB2	24/08/2016	1149	ME1601180001	Total Kjeldahl Nitrogen as N mg/L	0.7
PB2	06/09/2016	1150	ME1601240001	Total Kjeldahl Nitrogen as N mg/L	0.8
PB2	27/10/2016	1121	ME1601510001	Total Kjeldahl Nitrogen as N mg/L	0.6

PB2	22/11/2016	1149	ME1601646001	Total Kjeldahl Nitrogen as N mg/L	0.7
PB2	21/12/2016	1106	ME1601801001	Total Kjeldahl Nitrogen as N mg/L	0.5
PB2	21/12/2016	1106	ME1601801001	Total Kjeldahl Nitrogen as N mg/L	0.5
PB2	25/01/2017	1041	ME1700124001	Total Kjeldahl Nitrogen as N mg/L	0.4
PB2	25/01/2017	1041	ME1700124001	Total Kjeldahl Nitrogen as N mg/L	0.4
PB2	21/02/2017	1132	ME1700243001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	21/02/2017	1132	ME1700243001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	22/03/2017	1359	ME1700413001	Total Kjeldahl Nitrogen as N mg/L	0.1
PB2	22/03/2017	1359	ME1700413001	Total Kjeldahl Nitrogen as N mg/L	0.1
PB2	26/04/2017	1108	ME1700582001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	26/04/2017	1108	ME1700582001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	19/05/2017	1208	ME1700709001	Total Kjeldahl Nitrogen as N mg/L	0.4
PB2	22/06/2017	1052	ME1700866001	Total Kjeldahl Nitrogen as N mg/L	<0.1
PB2	24/07/2017	1136	ME1701008001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	17/08/2017	1157	ME1701130001	Total Kjeldahl Nitrogen as N mg/L	0.1
PB2	18/09/2017	1216	ME1701275001	Total Kjeldahl Nitrogen as N mg/L	0.1
PB2	16/10/2017	1229	ME1701413001	Total Kjeldahl Nitrogen as N mg/L	0.3
PB2	21/11/2017	1240	ME1701588001	Total Kjeldahl Nitrogen as N mg/L	0.1
PB2	21/12/2017	1032	ME1701771001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	11/01/2018	1222	ME1800056001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	19/02/2018	1214	ME1800240001	Total Kjeldahl Nitrogen as N mg/L	0.6
PB2	21/03/2018	1142	ME1800392001	Total Kjeldahl Nitrogen as N mg/L	0.1
PB2	26/04/2018	1209	ME1800548001	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB2	22/05/2018	1150	ME1800676001	Total Kjeldahl Nitrogen as N mg/L	<0.1
PB2	20/06/2018	1056	ME1800816001	Total Kjeldahl Nitrogen as N mg/L	<1
PB2	20/07/2018	1115	ME1800947001	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB2	10/08/2018	1145	ME1801055001	Total Kjeldahl Nitrogen as N mg/L	0.6
PB2	17/09/2018	1133	ME1801223001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	23/10/2018	1249	ME1801391001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	22/11/2018	1038	ME1801533001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	18/12/2018	1143	ME1801653001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	14/01/2019	1253	ME1900052001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	21/02/2019	1214	ME1900241001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	18/03/2019	1205	ME1900366001	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB2	15/04/2019	1113	ME1900507001	Total Kjeldahl Nitrogen as N mg/L	0.3
PB2	21/05/2019	1151	ME1900651001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	13/06/2019	1140	ME1900760001	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB2	15/07/2019	1005	ME1900896001	Total Kjeldahl Nitrogen as N mg/L	0.3
PB2	20/08/2019	1150	ME1901071001	Total Kjeldahl Nitrogen as N mg/L	0.2
PB2	16/09/2019	1347	ME1901212001	Total Kjeldahl Nitrogen as N mg/L	0.6
PB2	24/10/2019	1117	ME1901416001	Total Kjeldahl Nitrogen as N mg/L	0.6
PB2	18/11/2019	1143	ME1901522001	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB2	17/12/2019	1156	ME1901703001	Total Kjeldahl Nitrogen as N mg/L	0.4
PB2	23/01/2020	1030	ME2000111001	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB2	12/02/2020	1136	ME2000226001	Total Kjeldahl Nitrogen as N mg/L	<1
PB2	18/03/2020	1203	ME2000433001	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB2	21/04/2020	1130	ME2000603001	Total Kjeldahl Nitrogen as N mg/L	<0.5

PB2	21/07/2015	1142	ME1510178001	Total Nitrogen as N mg/L	0.3
PB2	19/08/2015	1202	ME1510333001	Total Nitrogen as N mg/L	0.3
PB2	18/09/2015	1204	ME1510475001	Total Nitrogen as N mg/L	0.3
PB2	27/10/2015	1128	ME1510672001	Total Nitrogen as N mg/L	0.2
PB2	20/11/2015	1040	ME1510819001	Total Nitrogen as N mg/L	0.3
PB2	17/12/2015	1147	ME1510975001	Total Nitrogen as N mg/L	0.7
PB2	20/01/2016	1150	ME1600097001	Total Nitrogen as N mg/L	0.5
PB2	25/02/2016	1150	ME1600272001	Total Nitrogen as N mg/L	0.6
PB2	21/03/2016	1137	ME1600392001	Total Nitrogen as N mg/L	0.4
PB2	06/04/2016	1151	ME1600471001	Total Nitrogen as N mg/L	0.7
PB2	20/05/2016	1041	ME1600692001	Total Nitrogen as N mg/L	0.7
PB2	17/06/2016	1106	ME1600840001	Total Nitrogen as N mg/L	0.8
PB2	22/07/2016	1119	ME1601029001	Total Nitrogen as N mg/L	0.6
PB2	24/08/2016	1149	ME1601180001	Total Nitrogen as N mg/L	0.7
PB2	06/09/2016	1150	ME1601240001	Total Nitrogen as N mg/L	0.8
PB2	27/10/2016	1121	ME1601510001	Total Nitrogen as N mg/L	0.6
PB2	22/11/2016	1149	ME1601646001	Total Nitrogen as N mg/L	0.7
PB2	21/12/2016	1106	ME1601801001	Total Nitrogen as N mg/L	0.5
PB2	21/12/2016	1106	ME1601801001	Total Nitrogen as N mg/L	0.5
PB2	25/01/2017	1041	ME1700124001	Total Nitrogen as N mg/L	0.4
PB2	25/01/2017	1041	ME1700124001	Total Nitrogen as N mg/L	0.4
PB2	21/02/2017	1132	ME1700243001	Total Nitrogen as N mg/L	0.2
PB2	21/02/2017	1132	ME1700243001	Total Nitrogen as N mg/L	0.2
PB2	22/03/2017	1359	ME1700413001	Total Nitrogen as N mg/L	0.1
PB2	22/03/2017	1359	ME1700413001	Total Nitrogen as N mg/L	0.1
PB2	26/04/2017	1108	ME1700582001	Total Nitrogen as N mg/L	0.3
PB2	26/04/2017	1108	ME1700582001	Total Nitrogen as N mg/L	0.3
PB2	19/05/2017	1208	ME1700709001	Total Nitrogen as N mg/L	0.4
PB2	22/06/2017	1052	ME1700866001	Total Nitrogen as N mg/L	<0.1
PB2	24/07/2017	1136	ME1701008001	Total Nitrogen as N mg/L	0.2
PB2	17/08/2017	1157	ME1701130001	Total Nitrogen as N mg/L	0.1
PB2	18/09/2017	1216	ME1701275001	Total Nitrogen as N mg/L	0.1
PB2	16/10/2017	1229	ME1701413001	Total Nitrogen as N mg/L	0.3
PB2	21/11/2017	1240	ME1701588001	Total Nitrogen as N mg/L	0.1
PB2	21/12/2017	1032	ME1701771001	Total Nitrogen as N mg/L	0.2
PB2	11/01/2018	1222	ME1800056001	Total Nitrogen as N mg/L	0.2
PB2	19/02/2018	1214	ME1800240001	Total Nitrogen as N mg/L	1.2
PB2	21/03/2018	1142	ME1800392001	Total Nitrogen as N mg/L	0.1
PB2	26/04/2018	1209	ME1800548001	Total Nitrogen as N mg/L	<0.5
PB2	22/05/2018	1150	ME1800676001	Total Nitrogen as N mg/L	<0.1
PB2	20/06/2018	1056	ME1800816001	Total Nitrogen as N mg/L	<1
PB2	20/07/2018	1115	ME1800947001	Total Nitrogen as N mg/L	<0.5
PB2	10/08/2018	1145	ME1801055001	Total Nitrogen as N mg/L	0.6
PB2	17/09/2018	1133	ME1801223001	Total Nitrogen as N mg/L	0.2
PB2	23/10/2018	1249	ME1801391001	Total Nitrogen as N mg/L	0.2
PB2	22/11/2018	1038	ME1801533001	Total Nitrogen as N mg/L	0.2
PB2	18/12/2018	1143	ME1801653001	Total Nitrogen as N mg/L	0.2

PB2	14/01/2019	1253	ME1900052001	Total Nitrogen as N mg/L	0.2
PB2	21/02/2019	1214	ME1900241001	Total Nitrogen as N mg/L	0.2
PB2	18/03/2019	1205	ME1900366001	Total Nitrogen as N mg/L	<0.5
PB2	15/04/2019	1113	ME1900507001	Total Nitrogen as N mg/L	0.3
PB2	21/05/2019	1151	ME1900651001	Total Nitrogen as N mg/L	0.2
PB2	13/06/2019	1140	ME1900760001	Total Nitrogen as N mg/L	<0.5
PB2	15/07/2019	1005	ME1900896001	Total Nitrogen as N mg/L	0.3
PB2	20/08/2019	1150	ME1901071001	Total Nitrogen as N mg/L	0.2
PB2	16/09/2019	1347	ME1901212001	Total Nitrogen as N mg/L	0.6
PB2	24/10/2019	1117	ME1901416001	Total Nitrogen as N mg/L	0.6
PB2	18/11/2019	1143	ME1901522001	Total Nitrogen as N mg/L	<0.5
PB2	17/12/2019	1156	ME1901703001	Total Nitrogen as N mg/L	0.4
PB2	23/01/2020	1030	ME2000111001	Total Nitrogen as N mg/L	<0.5
PB2	12/02/2020	1136	ME2000226001	Total Nitrogen as N mg/L	<1
PB2	18/03/2020	1203	ME2000433001	Total Nitrogen as N mg/L	<0.5
PB2	21/04/2020	1130	ME2000603001	Total Nitrogen as N mg/L	<0.5
PB2	21/07/2015	1142	ME1510178001	Total Phosphorus as P mg/L	0.08
PB2	19/08/2015	1202	ME1510333001	Total Phosphorus as P mg/L	0.01
PB2	18/09/2015	1204	ME1510475001	Total Phosphorus as P mg/L	0.04
PB2	27/10/2015	1128	ME1510672001	Total Phosphorus as P mg/L	0.04
PB2	20/11/2015	1040	ME1510819001	Total Phosphorus as P mg/L	<0.01
PB2	17/12/2015	1147	ME1510975001	Total Phosphorus as P mg/L	<0.01
PB2	20/01/2016	1150	ME1600097001	Total Phosphorus as P mg/L	<0.01
PB2	25/02/2016	1150	ME1600272001	Total Phosphorus as P mg/L	<0.01
PB2	21/03/2016	1137	ME1600392001	Total Phosphorus as P mg/L	0.02
PB2	06/04/2016	1151	ME1600471001	Total Phosphorus as P mg/L	<0.01
PB2	20/05/2016	1041	ME1600692001	Total Phosphorus as P mg/L	<0.01
PB2	17/06/2016	1106	ME1600840001	Total Phosphorus as P mg/L	<0.01
PB2	22/07/2016	1119	ME1601029001	Total Phosphorus as P mg/L	<0.01
PB2	24/08/2016	1149	ME1601180001	Total Phosphorus as P mg/L	<0.01
PB2	06/09/2016	1150	ME1601240001	Total Phosphorus as P mg/L	<0.01
PB2	27/10/2016	1121	ME1601510001	Total Phosphorus as P mg/L	<0.01
PB2	22/11/2016	1149	ME1601646001	Total Phosphorus as P mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Total Phosphorus as P mg/L	<0.01
PB2	21/12/2016	1106	ME1601801001	Total Phosphorus as P mg/L	<0.01
PB2	25/01/2017	1041	ME1700124001	Total Phosphorus as P mg/L	<0.01
PB2	25/01/2017	1041	ME1700124001	Total Phosphorus as P mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Total Phosphorus as P mg/L	<0.01
PB2	21/02/2017	1132	ME1700243001	Total Phosphorus as P mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Total Phosphorus as P mg/L	<0.01
PB2	22/03/2017	1359	ME1700413001	Total Phosphorus as P mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Total Phosphorus as P mg/L	<0.01
PB2	26/04/2017	1108	ME1700582001	Total Phosphorus as P mg/L	<0.01
PB2	19/05/2017	1208	ME1700709001	Total Phosphorus as P mg/L	0.02
PB2	22/06/2017	1052	ME1700866001	Total Phosphorus as P mg/L	<0.01
PB2	24/07/2017	1136	ME1701008001	Total Phosphorus as P mg/L	<0.01
PB2	17/08/2017	1157	ME1701130001	Total Phosphorus as P mg/L	<0.01

PB2	18/09/2017	1216	ME1701275001	Total Phosphorus as P mg/L	<0.01
PB2	16/10/2017	1229	ME1701413001	Total Phosphorus as P mg/L	<0.01
PB2	21/11/2017	1240	ME1701588001	Total Phosphorus as P mg/L	<0.01
PB2	21/12/2017	1032	ME1701771001	Total Phosphorus as P mg/L	<0.01
PB2	11/01/2018	1222	ME1800056001	Total Phosphorus as P mg/L	0.01
PB2	19/02/2018	1214	ME1800240001	Total Phosphorus as P mg/L	<0.01
PB2	21/03/2018	1142	ME1800392001	Total Phosphorus as P mg/L	<0.01
PB2	26/04/2018	1209	ME1800548001	Total Phosphorus as P mg/L	<0.01
PB2	22/05/2018	1150	ME1800676001	Total Phosphorus as P mg/L	0.01
PB2	20/06/2018	1056	ME1800816001	Total Phosphorus as P mg/L	<0.01
PB2	20/07/2018	1115	ME1800947001	Total Phosphorus as P mg/L	<0.01
PB2	10/08/2018	1145	ME1801055001	Total Phosphorus as P mg/L	0.07
PB2	17/09/2018	1133	ME1801223001	Total Phosphorus as P mg/L	<0.01
PB2	23/10/2018	1249	ME1801391001	Total Phosphorus as P mg/L	<0.01
PB2	22/11/2018	1038	ME1801533001	Total Phosphorus as P mg/L	<0.01
PB2	18/12/2018	1143	ME1801653001	Total Phosphorus as P mg/L	0.02
PB2	14/01/2019	1253	ME1900052001	Total Phosphorus as P mg/L	<0.01
PB2	21/02/2019	1214	ME1900241001	Total Phosphorus as P mg/L	0.01
PB2	18/03/2019	1205	ME1900366001	Total Phosphorus as P mg/L	<0.01
PB2	15/04/2019	1113	ME1900507001	Total Phosphorus as P mg/L	<0.01
PB2	21/05/2019	1151	ME1900651001	Total Phosphorus as P mg/L	<0.01
PB2	13/06/2019	1140	ME1900760001	Total Phosphorus as P mg/L	<0.01
PB2	15/07/2019	1005	ME1900896001	Total Phosphorus as P mg/L	<0.01
PB2	20/08/2019	1150	ME1901071001	Total Phosphorus as P mg/L	<0.01
PB2	16/09/2019	1347	ME1901212001	Total Phosphorus as P mg/L	0.01
PB2	24/10/2019	1117	ME1901416001	Total Phosphorus as P mg/L	<0.01
PB2	18/11/2019	1143	ME1901522001	Total Phosphorus as P mg/L	<0.01
PB2	17/12/2019	1156	ME1901703001	Total Phosphorus as P mg/L	<0.01
PB2	23/01/2020	1030	ME2000111001	Total Phosphorus as P mg/L	<0.01
PB2	12/02/2020	1136	ME2000226001	Total Phosphorus as P mg/L	<0.01
PB2	18/03/2020	1203	ME2000433001	Total Phosphorus as P mg/L	<0.01
PB2	21/04/2020	1130	ME2000603001	Total Phosphorus as P mg/L	<0.01
PB2	21/07/2015	1142	ME1510178001	Turbidity NTU	216
PB2	19/08/2015	1202	ME1510333001	Turbidity NTU	56.2
PB2	18/09/2015	1204	ME1510475001	Turbidity NTU	145
PB2	27/10/2015	1128	ME1510672001	Turbidity NTU	80.8
PB2	20/11/2015	1040	ME1510819001	Turbidity NTU	105
PB2	17/12/2015	1147	ME1510975001	Turbidity NTU	91
PB2	20/01/2016	1150	ME1600097001	Turbidity NTU	26.1
PB2	25/02/2016	1150	ME1600272001	Turbidity NTU	14.6
PB2	21/03/2016	1137	ME1600392001	Turbidity NTU	10.7
PB2	06/04/2016	1151	ME1600471001	Turbidity NTU	20.2
PB2	20/05/2016	1041	ME1600692001	Turbidity NTU	11
PB2	17/06/2016	1106	ME1600840001	Turbidity NTU	14.9
PB2	22/07/2016	1119	ME1601029001	Turbidity NTU	20.7
PB2	24/08/2016	1149	ME1601180001	Turbidity NTU	21.8
PB2	06/09/2016	1150	ME1601240001	Turbidity NTU	15.4

PB2	27/10/2016	1121	ME1601510001	Turbidity NTU	14.1
PB2	22/11/2016	1149	ME1601646001	Turbidity NTU	21.2
PB2	21/12/2016	1106	ME1601801001	Turbidity NTU	46.1
PB2	21/12/2016	1106	ME1601801001	Turbidity NTU	46.1
PB2	25/01/2017	1041	ME1700124001	Turbidity NTU	125
PB2	25/01/2017	1041	ME1700124001	Turbidity NTU	125
PB2	21/02/2017	1132	ME1700243001	Turbidity NTU	86.2
PB2	21/02/2017	1132	ME1700243001	Turbidity NTU	86.2
PB2	22/03/2017	1359	ME1700413001	Turbidity NTU	107
PB2	22/03/2017	1359	ME1700413001	Turbidity NTU	107
PB2	26/04/2017	1108	ME1700582001	Turbidity NTU	115
PB2	26/04/2017	1108	ME1700582001	Turbidity NTU	115
PB2	19/05/2017	1208	ME1700709001	Turbidity NTU	80.4
PB2	22/06/2017	1052	ME1700866001	Turbidity NTU	93.4
PB2	24/07/2017	1136	ME1701008001	Turbidity NTU	61
PB2	17/08/2017	1157	ME1701130001	Turbidity NTU	56.2
PB2	18/09/2017	1216	ME1701275001	Turbidity NTU	52.2
PB2	16/10/2017	1229	ME1701413001	Turbidity NTU	5.4
PB2	21/11/2017	1240	ME1701588001	Turbidity NTU	5.3
PB2	21/12/2017	1032	ME1701771001	Turbidity NTU	246
PB2	11/01/2018	1222	ME1800056001	Turbidity NTU	650
PB2	19/02/2018	1214	ME1800240001	Turbidity NTU	514
PB2	21/03/2018	1142	ME1800392001	Turbidity NTU	223
PB2	26/04/2018	1209	ME1800548001	Turbidity NTU	124
PB2	22/05/2018	1150	ME1800676001	Turbidity NTU	289
PB2	20/06/2018	1056	ME1800816001	Turbidity NTU	418
PB2	20/07/2018	1115	ME1800947001	Turbidity NTU	527
PB2	10/08/2018	1145	ME1801055001	Turbidity NTU	1260
PB2	17/09/2018	1133	ME1801223001	Turbidity NTU	518
PB2	23/10/2018	1249	ME1801391001	Turbidity NTU	494
PB2	22/11/2018	1038	ME1801533001	Turbidity NTU	685
PB2	18/12/2018	1143	ME1801653001	Turbidity NTU	466
PB2	14/01/2019	1253	ME1900052001	Turbidity NTU	309
PB2	21/02/2019	1214	ME1900241001	Turbidity NTU	371
PB2	18/03/2019	1205	ME1900366001	Turbidity NTU	175
PB2	15/04/2019	1113	ME1900507001	Turbidity NTU	116
PB2	21/05/2019	1151	ME1900651001	Turbidity NTU	141
PB2	13/06/2019	1140	ME1900760001	Turbidity NTU	414
PB2	15/07/2019	1005	ME1900896001	Turbidity NTU	135
PB2	20/08/2019	1150	ME1901071001	Turbidity NTU	186
PB2	16/09/2019	1347	ME1901212001	Turbidity NTU	242
PB2	24/10/2019	1117	ME1901416001	Turbidity NTU	649
PB2	18/11/2019	1143	ME1901522001	Turbidity NTU	373
PB2	17/12/2019	1156	ME1901703001	Turbidity NTU	659
PB2	23/01/2020	1030	ME2000111001	Turbidity NTU	1100
PB2	12/02/2020	1136	ME2000226001	Turbidity NTU	839
PB2	18/03/2020	1203	ME2000433001	Turbidity NTU	380

PB2	21/04/2020	1130	ME2000603001	Turbidity NTU	69.3
PB2	21/07/2015	1142	ME1510178001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	19/08/2015	1202	ME1510333001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	18/09/2015	1204	ME1510475001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	27/10/2015	1128	ME1510672001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	20/11/2015	1040	ME1510819001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	17/12/2015	1147	ME1510975001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	20/01/2016	1150	ME1600097001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	25/02/2016	1150	ME1600272001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/03/2016	1137	ME1600392001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	06/04/2016	1151	ME1600471001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	20/05/2016	1041	ME1600692001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	17/06/2016	1106	ME1600840001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	22/07/2016	1119	ME1601029001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	24/08/2016	1149	ME1601180001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	06/09/2016	1150	ME1601240001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	27/10/2016	1121	ME1601510001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	22/11/2016	1149	ME1601646001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/12/2016	1106	ME1601801001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/12/2016	1106	ME1601801001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	25/01/2017	1041	ME1700124001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	25/01/2017	1041	ME1700124001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/02/2017	1132	ME1700243001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/02/2017	1132	ME1700243001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	22/03/2017	1359	ME1700413001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	22/03/2017	1359	ME1700413001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	26/04/2017	1108	ME1700582001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	26/04/2017	1108	ME1700582001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	19/05/2017	1208	ME1700709001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	22/06/2017	1052	ME1700866001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	24/07/2017	1136	ME1701008001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	17/08/2017	1157	ME1701130001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	18/09/2017	1216	ME1701275001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	16/10/2017	1229	ME1701413001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/11/2017	1240	ME1701588001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/12/2017	1032	ME1701771001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	11/01/2018	1222	ME1800056001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	19/02/2018	1214	ME1800240001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/03/2018	1142	ME1800392001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	26/04/2018	1209	ME1800548001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	22/05/2018	1150	ME1800676001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	20/06/2018	1056	ME1800816001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	20/07/2018	1115	ME1800947001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	10/08/2018	1145	ME1801055001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	17/09/2018	1133	ME1801223001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	23/10/2018	1249	ME1801391001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	22/11/2018	1038	ME1801533001	Weak Acid Dissociable Cyanide mg/L	<0.004

PB2	18/12/2018	1143	ME1801653001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	14/01/2019	1253	ME1900052001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/02/2019	1214	ME1900241001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	18/03/2019	1205	ME1900366001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	15/04/2019	1113	ME1900507001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/05/2019	1151	ME1900651001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	13/06/2019	1140	ME1900760001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	15/07/2019	1005	ME1900896001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	20/08/2019	1150	ME1901071001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	16/09/2019	1347	ME1901212001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	24/10/2019	1117	ME1901416001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	18/11/2019	1143	ME1901522001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	17/12/2019	1156	ME1901703001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	23/01/2020	1030	ME2000111001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	12/02/2020	1136	ME2000226001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	18/03/2020	1203	ME2000433001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/04/2020	1130	ME2000603001	Weak Acid Dissociable Cyanide mg/L	<0.004
PB2	21/07/2015	1142	ME1510178001	Zinc - Dissolved mg/L	0.153
PB2	19/08/2015	1202	ME1510333001	Zinc - Dissolved mg/L	0.178
PB2	18/09/2015	1204	ME1510475001	Zinc - Dissolved mg/L	0.144
PB2	27/10/2015	1128	ME1510672001	Zinc - Dissolved mg/L	0.151
PB2	20/11/2015	1040	ME1510819001	Zinc - Dissolved mg/L	0.157
PB2	17/12/2015	1147	ME1510975001	Zinc - Dissolved mg/L	<0.005
PB2	20/01/2016	1150	ME1600097001	Zinc - Dissolved mg/L	<0.005
PB2	25/02/2016	1150	ME1600272001	Zinc - Dissolved mg/L	<0.005
PB2	21/03/2016	1137	ME1600392001	Zinc - Dissolved mg/L	<0.005
PB2	06/04/2016	1151	ME1600471001	Zinc - Dissolved mg/L	0.008
PB2	20/05/2016	1041	ME1600692001	Zinc - Dissolved mg/L	<0.005
PB2	17/06/2016	1106	ME1600840001	Zinc - Dissolved mg/L	<0.005
PB2	22/07/2016	1119	ME1601029001	Zinc - Dissolved mg/L	<0.005
PB2	24/08/2016	1149	ME1601180001	Zinc - Dissolved mg/L	<0.005
PB2	06/09/2016	1150	ME1601240001	Zinc - Dissolved mg/L	<0.005
PB2	27/10/2016	1121	ME1601510001	Zinc - Dissolved mg/L	<0.005
PB2	22/11/2016	1149	ME1601646001	Zinc - Dissolved mg/L	<0.005
PB2	21/12/2016	1106	ME1601801001	Zinc - Dissolved mg/L	<0.005
PB2	21/12/2016	1106	ME1601801001	Zinc - Dissolved mg/L	<0.005
PB2	25/01/2017	1041	ME1700124001	Zinc - Dissolved mg/L	<0.005
PB2	25/01/2017	1041	ME1700124001	Zinc - Dissolved mg/L	<0.005
PB2	21/02/2017	1132	ME1700243001	Zinc - Dissolved mg/L	<0.005
PB2	21/02/2017	1132	ME1700243001	Zinc - Dissolved mg/L	<0.005
PB2	22/03/2017	1359	ME1700413001	Zinc - Dissolved mg/L	<0.005
PB2	22/03/2017	1359	ME1700413001	Zinc - Dissolved mg/L	<0.005
PB2	26/04/2017	1108	ME1700582001	Zinc - Dissolved mg/L	<0.005
PB2	26/04/2017	1108	ME1700582001	Zinc - Dissolved mg/L	<0.005
PB2	19/05/2017	1208	ME1700709001	Zinc - Dissolved mg/L	<0.005
PB2	22/06/2017	1052	ME1700866001	Zinc - Dissolved mg/L	<0.005
PB2	24/07/2017	1136	ME1701008001	Zinc - Dissolved mg/L	<0.005

PB2	17/08/2017	1157	ME1701130001	Zinc - Dissolved mg/L	<0.005
PB2	18/09/2017	1216	ME1701275001	Zinc - Dissolved mg/L	<0.005
PB2	16/10/2017	1229	ME1701413001	Zinc - Dissolved mg/L	<0.005
PB2	21/11/2017	1240	ME1701588001	Zinc - Dissolved mg/L	<0.005
PB2	21/12/2017	1032	ME1701771001	Zinc - Dissolved mg/L	<0.005
PB2	11/01/2018	1222	ME1800056001	Zinc - Dissolved mg/L	0.01
PB2	19/02/2018	1214	ME1800240001	Zinc - Dissolved mg/L	0.005
PB2	21/03/2018	1142	ME1800392001	Zinc - Dissolved mg/L	0.061
PB2	26/04/2018	1209	ME1800548001	Zinc - Dissolved mg/L	0.011
PB2	22/05/2018	1150	ME1800676001	Zinc - Dissolved mg/L	0.017
PB2	20/06/2018	1056	ME1800816001	Zinc - Dissolved mg/L	0.012
PB2	20/07/2018	1115	ME1800947001	Zinc - Dissolved mg/L	0.018
PB2	10/08/2018	1145	ME1801055001	Zinc - Dissolved mg/L	0.01
PB2	17/09/2018	1133	ME1801223001	Zinc - Dissolved mg/L	0.006
PB2	23/10/2018	1249	ME1801391001	Zinc - Dissolved mg/L	0.011
PB2	22/11/2018	1038	ME1801533001	Zinc - Dissolved mg/L	0.01
PB2	18/12/2018	1143	ME1801653001	Zinc - Dissolved mg/L	0.016
PB2	14/01/2019	1253	ME1900052001	Zinc - Dissolved mg/L	0.012
PB2	21/02/2019	1214	ME1900241001	Zinc - Dissolved mg/L	0.032
PB2	18/03/2019	1205	ME1900366001	Zinc - Dissolved mg/L	0.017
PB2	15/04/2019	1113	ME1900507001	Zinc - Dissolved mg/L	0.011
PB2	21/05/2019	1151	ME1900651001	Zinc - Dissolved mg/L	0.019
PB2	13/06/2019	1140	ME1900760001	Zinc - Dissolved mg/L	0.012
PB2	15/07/2019	1005	ME1900896001	Zinc - Dissolved mg/L	0.009
PB2	20/08/2019	1150	ME1901071001	Zinc - Dissolved mg/L	0.012
PB2	16/09/2019	1347	ME1901212001	Zinc - Dissolved mg/L	0.009
PB2	24/10/2019	1117	ME1901416001	Zinc - Dissolved mg/L	0.018
PB2	18/11/2019	1143	ME1901522001	Zinc - Dissolved mg/L	0.011
PB2	17/12/2019	1156	ME1901703001	Zinc - Dissolved mg/L	0.008
PB2	23/01/2020	1030	ME2000111001	Zinc - Dissolved mg/L	<0.005
PB2	12/02/2020	1136	ME2000226001	Zinc - Dissolved mg/L	0.01
PB2	18/03/2020	1203	ME2000433001	Zinc - Dissolved mg/L	0.011
PB2	21/04/2020	1130	ME2000603001	Zinc - Dissolved mg/L	0.379
PB3	17/12/2015	1220	ME1510975002	Aluminium - Dissolved mg/L	0.78
PB3	20/01/2016	1219	ME1600097002	Aluminium - Dissolved mg/L	0.87
PB3	25/02/2016	1214	ME1600272002	Aluminium - Dissolved mg/L	0.86
PB3	21/03/2016	1158	ME1600392002	Aluminium - Dissolved mg/L	0.84
PB3	06/04/2016	1218	ME1600471002	Aluminium - Dissolved mg/L	0.9
PB3	20/05/2016	1103	ME1600692002	Aluminium - Dissolved mg/L	0.59
PB3	17/06/2016	1127	ME1600840002	Aluminium - Dissolved mg/L	0.36
PB3	22/07/2016	1135	ME1601029002	Aluminium - Dissolved mg/L	0.23
PB3	24/08/2016	1207	ME1601180002	Aluminium - Dissolved mg/L	0.19
PB3	06/09/2016	1208	ME1601240002	Aluminium - Dissolved mg/L	0.17
PB3	27/10/2016	1140	ME1601510002	Aluminium - Dissolved mg/L	0.05
PB3	22/11/2016	1213	ME1601646002	Aluminium - Dissolved mg/L	<0.01
PB3	21/12/2016	1142	ME1601801002	Aluminium - Dissolved mg/L	0.07
PB3	21/12/2016	1142	ME1601801002	Aluminium - Dissolved mg/L	0.07

PB3	25/01/2017	1101	ME1700124002	Aluminium - Dissolved mg/L	0.04
PB3	25/01/2017	1101	ME1700124002	Aluminium - Dissolved mg/L	0.04
PB3	21/02/2017	1157	ME1700243002	Aluminium - Dissolved mg/L	0.08
PB3	21/02/2017	1157	ME1700243002	Aluminium - Dissolved mg/L	0.08
PB3	22/03/2017	1415	ME1700413002	Aluminium - Dissolved mg/L	0.06
PB3	22/03/2017	1415	ME1700413002	Aluminium - Dissolved mg/L	0.06
PB3	26/04/2017	1128	ME1700582002	Aluminium - Dissolved mg/L	0.03
PB3	26/04/2017	1128	ME1700582002	Aluminium - Dissolved mg/L	0.03
PB3	19/05/2017	1231	ME1700709002	Aluminium - Dissolved mg/L	0.04
PB3	22/06/2017	1113	ME1700866002	Aluminium - Dissolved mg/L	0.05
PB3	24/07/2017	1158	ME1701008002	Aluminium - Dissolved mg/L	0.1
PB3	17/08/2017	1222	ME1701130002	Aluminium - Dissolved mg/L	0.2
PB3	18/09/2017	1240	ME1701275002	Aluminium - Dissolved mg/L	0.19
PB3	16/10/2017	1253	ME1701413002	Aluminium - Dissolved mg/L	0.16
PB3	21/11/2017	1308	ME1701588002	Aluminium - Dissolved mg/L	0.11
PB3	21/12/2017	1050	ME1701771002	Aluminium - Dissolved mg/L	0.14
PB3	11/01/2018	1248	ME1800056002	Aluminium - Dissolved mg/L	0.07
PB3	19/02/2018	1237	ME1800240002	Aluminium - Dissolved mg/L	0.06
PB3	21/03/2018	1201	ME1800392002	Aluminium - Dissolved mg/L	0.03
PB3	26/04/2018	1232	ME1800548002	Aluminium - Dissolved mg/L	0.07
PB3	22/05/2018	1216	ME1800676002	Aluminium - Dissolved mg/L	0.03
PB3	20/06/2018	1117	ME1800816002	Aluminium - Dissolved mg/L	0.04
PB3	20/07/2018	1135	ME1800947002	Aluminium - Dissolved mg/L	0.04
PB3	10/08/2018	1208	ME1801055002	Aluminium - Dissolved mg/L	0.05
PB3	17/09/2018	1152	ME1801223002	Aluminium - Dissolved mg/L	0.04
PB3	23/10/2018	1310	ME1801391002	Aluminium - Dissolved mg/L	0.02
PB3	22/11/2018	1059	ME1801533002	Aluminium - Dissolved mg/L	0.01
PB3	18/12/2018	1202	ME1801653002	Aluminium - Dissolved mg/L	<0.01
PB3	14/01/2019	1324	ME1900052002	Aluminium - Dissolved mg/L	<0.01
PB3	21/02/2019	1239	ME1900241002	Aluminium - Dissolved mg/L	<0.01
PB3	18/03/2019	1226	ME1900366002	Aluminium - Dissolved mg/L	<0.01
PB3	15/04/2019	1134	ME1900507002	Aluminium - Dissolved mg/L	<0.01
PB3	21/05/2019	1218	ME1900651002	Aluminium - Dissolved mg/L	<0.01
PB3	13/06/2019	1203	ME1900760002	Aluminium - Dissolved mg/L	0.01
PB3	15/07/2019	1023	ME1900896002	Aluminium - Dissolved mg/L	<0.01
PB3	20/08/2019	1210	ME1901071002	Aluminium - Dissolved mg/L	<0.01
PB3	16/09/2019	1408	ME1901212002	Aluminium - Dissolved mg/L	<0.01
PB3	24/10/2019	1137	ME1901416002	Aluminium - Dissolved mg/L	<0.01
PB3	18/11/2019	1207	ME1901522002	Aluminium - Dissolved mg/L	<0.01
PB3	17/12/2019	1241	ME1901703002	Aluminium - Dissolved mg/L	<0.01
PB3	23/01/2020	1050	ME2000111002	Aluminium - Dissolved mg/L	0.02
PB3	12/02/2020	1200	ME2000226002	Aluminium - Dissolved mg/L	<0.01
PB3	18/03/2020	1224	ME2000433002	Aluminium - Dissolved mg/L	<0.01
PB3	21/04/2020	1209	ME2000603002	Aluminium - Dissolved mg/L	<0.01
PB3	17/12/2015	1220	ME1510975002	Ammonia as N mg/L	0.47
PB3	20/01/2016	1219	ME1600097002	Ammonia as N mg/L	0.74
PB3	25/02/2016	1214	ME1600272002	Ammonia as N mg/L	0.55

PB3	21/03/2016	1158	ME1600392002	Ammonia as N mg/L	0.49
PB3	06/04/2016	1218	ME1600471002	Ammonia as N mg/L	0.47
PB3	20/05/2016	1103	ME1600692002	Ammonia as N mg/L	0.47
PB3	17/06/2016	1127	ME1600840002	Ammonia as N mg/L	0.19
PB3	22/07/2016	1135	ME1601029002	Ammonia as N mg/L	0.3
PB3	24/08/2016	1207	ME1601180002	Ammonia as N mg/L	0.15
PB3	06/09/2016	1208	ME1601240002	Ammonia as N mg/L	0.27
PB3	27/10/2016	1140	ME1601510002	Ammonia as N mg/L	0.63
PB3	22/11/2016	1213	ME1601646002	Ammonia as N mg/L	0.66
PB3	21/12/2016	1142	ME1601801002	Ammonia as N mg/L	0.5
PB3	21/12/2016	1142	ME1601801002	Ammonia as N mg/L	0.5
PB3	25/01/2017	1101	ME1700124002	Ammonia as N mg/L	0.48
PB3	25/01/2017	1101	ME1700124002	Ammonia as N mg/L	0.48
PB3	21/02/2017	1157	ME1700243002	Ammonia as N mg/L	0.49
PB3	21/02/2017	1157	ME1700243002	Ammonia as N mg/L	0.49
PB3	22/03/2017	1415	ME1700413002	Ammonia as N mg/L	0.64
PB3	22/03/2017	1415	ME1700413002	Ammonia as N mg/L	0.04
PB3	26/04/2017	1128	ME1700582002	Ammonia as N mg/L	0.54
PB3	26/04/2017	1128	ME1700582002	Ammonia as N mg/L	0.54
PB3	19/05/2017	1231	ME1700709002	Ammonia as N mg/L	0.49
PB3	22/06/2017	1113	ME1700866002	Ammonia as N mg/L	0.48
PB3	24/07/2017	1158	ME1701008002	Ammonia as N mg/L	0.43
PB3	17/08/2017	1222	ME1701130002	Ammonia as N mg/L	0.34
PB3	18/09/2017	1240	ME1701275002	Ammonia as N mg/L	0.32
PB3	16/10/2017	1253	ME1701413002	Ammonia as N mg/L	0.32
PB3	21/11/2017	1308	ME1701588002	Ammonia as N mg/L	0.34
PB3	21/12/2017	1050	ME1701771002	Ammonia as N mg/L	0.24
PB3	11/01/2018	1248	ME1800056002	Ammonia as N mg/L	0.37
PB3	19/02/2018	1237	ME1800240002	Ammonia as N mg/L	0.37
PB3	21/03/2018	1201	ME1800392002	Ammonia as N mg/L	0.4
PB3	26/04/2018	1232	ME1800548002	Ammonia as N mg/L	0.5
PB3	22/05/2018	1216	ME1800676002	Ammonia as N mg/L	0.58
PB3	20/06/2018	1117	ME1800816002	Ammonia as N mg/L	0.62
PB3	20/07/2018	1135	ME1800947002	Ammonia as N mg/L	0.32
PB3	10/08/2018	1208	ME1801055002	Ammonia as N mg/L	0.57
PB3	17/09/2018	1152	ME1801223002	Ammonia as N mg/L	0.31
PB3	23/10/2018	1310	ME1801391002	Ammonia as N mg/L	0.41
PB3	22/11/2018	1059	ME1801533002	Ammonia as N mg/L	0.46
PB3	18/12/2018	1202	ME1801653002	Ammonia as N mg/L	<0.1
PB3	14/01/2019	1324	ME1900052002	Ammonia as N mg/L	0.26
PB3	21/02/2019	1239	ME1900241002	Ammonia as N mg/L	0.14
PB3	18/03/2019	1226	ME1900366002	Ammonia as N mg/L	0.41
PB3	15/04/2019	1134	ME1900507002	Ammonia as N mg/L	0.37
PB3	21/05/2019	1218	ME1900651002	Ammonia as N mg/L	0.37
PB3	13/06/2019	1203	ME1900760002	Ammonia as N mg/L	0.29
PB3	15/07/2019	1023	ME1900896002	Ammonia as N mg/L	0.34
PB3	20/08/2019	1210	ME1901071002	Ammonia as N mg/L	0.45

PB3	16/09/2019	1408	ME1901212002	Ammonia as N mg/L	0.27
PB3	24/10/2019	1137	ME1901416002	Ammonia as N mg/L	0.36
PB3	18/11/2019	1207	ME1901522002	Ammonia as N mg/L	0.28
PB3	17/12/2019	1241	ME1901703002	Ammonia as N mg/L	0.3
PB3	23/01/2020	1050	ME2000111002	Ammonia as N mg/L	0.37
PB3	12/02/2020	1200	ME2000226002	Ammonia as N mg/L	0.4
PB3	18/03/2020	1224	ME2000433002	Ammonia as N mg/L	0.35
PB3	21/04/2020	1209	ME2000603002	Ammonia as N mg/L	0.36
PB3	17/12/2015	1220	ME1510975002	Arsenic - Dissolved mg/L	<0.001
PB3	20/01/2016	1219	ME1600097002	Arsenic - Dissolved mg/L	<0.001
PB3	25/02/2016	1214	ME1600272002	Arsenic - Dissolved mg/L	<0.001
PB3	21/03/2016	1158	ME1600392002	Arsenic - Dissolved mg/L	<0.001
PB3	06/04/2016	1218	ME1600471002	Arsenic - Dissolved mg/L	<0.001
PB3	20/05/2016	1103	ME1600692002	Arsenic - Dissolved mg/L	0.004
PB3	17/06/2016	1127	ME1600840002	Arsenic - Dissolved mg/L	0.004
PB3	22/07/2016	1135	ME1601029002	Arsenic - Dissolved mg/L	0.005
PB3	24/08/2016	1207	ME1601180002	Arsenic - Dissolved mg/L	0.004
PB3	06/09/2016	1208	ME1601240002	Arsenic - Dissolved mg/L	0.003
PB3	27/10/2016	1140	ME1601510002	Arsenic - Dissolved mg/L	0.002
PB3	22/11/2016	1213	ME1601646002	Arsenic - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Arsenic - Dissolved mg/L	0.002
PB3	21/12/2016	1142	ME1601801002	Arsenic - Dissolved mg/L	0.002
PB3	25/01/2017	1101	ME1700124002	Arsenic - Dissolved mg/L	0.002
PB3	25/01/2017	1101	ME1700124002	Arsenic - Dissolved mg/L	0.002
PB3	21/02/2017	1157	ME1700243002	Arsenic - Dissolved mg/L	0.002
PB3	21/02/2017	1157	ME1700243002	Arsenic - Dissolved mg/L	0.002
PB3	22/03/2017	1415	ME1700413002	Arsenic - Dissolved mg/L	0.001
PB3	22/03/2017	1415	ME1700413002	Arsenic - Dissolved mg/L	0.001
PB3	26/04/2017	1128	ME1700582002	Arsenic - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Arsenic - Dissolved mg/L	<0.001
PB3	19/05/2017	1231	ME1700709002	Arsenic - Dissolved mg/L	<0.001
PB3	22/06/2017	1113	ME1700866002	Arsenic - Dissolved mg/L	<0.001
PB3	24/07/2017	1158	ME1701008002	Arsenic - Dissolved mg/L	<0.001
PB3	17/08/2017	1222	ME1701130002	Arsenic - Dissolved mg/L	0.003
PB3	18/09/2017	1240	ME1701275002	Arsenic - Dissolved mg/L	0.004
PB3	16/10/2017	1253	ME1701413002	Arsenic - Dissolved mg/L	0.004
PB3	21/11/2017	1308	ME1701588002	Arsenic - Dissolved mg/L	0.004
PB3	21/12/2017	1050	ME1701771002	Arsenic - Dissolved mg/L	0.005
PB3	11/01/2018	1248	ME1800056002	Arsenic - Dissolved mg/L	0.003
PB3	19/02/2018	1237	ME1800240002	Arsenic - Dissolved mg/L	0.004
PB3	21/03/2018	1201	ME1800392002	Arsenic - Dissolved mg/L	0.002
PB3	26/04/2018	1232	ME1800548002	Arsenic - Dissolved mg/L	0.001
PB3	22/05/2018	1216	ME1800676002	Arsenic - Dissolved mg/L	<0.001
PB3	20/06/2018	1117	ME1800816002	Arsenic - Dissolved mg/L	0.001
PB3	20/07/2018	1135	ME1800947002	Arsenic - Dissolved mg/L	0.002
PB3	10/08/2018	1208	ME1801055002	Arsenic - Dissolved mg/L	0.003
PB3	17/09/2018	1152	ME1801223002	Arsenic - Dissolved mg/L	0.002

PB3	23/10/2018	1310	ME1801391002	Arsenic - Dissolved mg/L	0.002
PB3	22/11/2018	1059	ME1801533002	Arsenic - Dissolved mg/L	<0.001
PB3	18/12/2018	1202	ME1801653002	Arsenic - Dissolved mg/L	<0.001
PB3	14/01/2019	1324	ME1900052002	Arsenic - Dissolved mg/L	<0.001
PB3	21/02/2019	1239	ME1900241002	Arsenic - Dissolved mg/L	<0.001
PB3	18/03/2019	1226	ME1900366002	Arsenic - Dissolved mg/L	<0.001
PB3	15/04/2019	1134	ME1900507002	Arsenic - Dissolved mg/L	<0.001
PB3	21/05/2019	1218	ME1900651002	Arsenic - Dissolved mg/L	<0.001
PB3	13/06/2019	1203	ME1900760002	Arsenic - Dissolved mg/L	<0.001
PB3	15/07/2019	1023	ME1900896002	Arsenic - Dissolved mg/L	<0.001
PB3	20/08/2019	1210	ME1901071002	Arsenic - Dissolved mg/L	<0.001
PB3	16/09/2019	1408	ME1901212002	Arsenic - Dissolved mg/L	<0.001
PB3	24/10/2019	1137	ME1901416002	Arsenic - Dissolved mg/L	<0.001
PB3	18/11/2019	1207	ME1901522002	Arsenic - Dissolved mg/L	<0.001
PB3	17/12/2019	1241	ME1901703002	Arsenic - Dissolved mg/L	<0.001
PB3	23/01/2020	1050	ME2000111002	Arsenic - Dissolved mg/L	<0.001
PB3	12/02/2020	1200	ME2000226002	Arsenic - Dissolved mg/L	<0.001
PB3	18/03/2020	1224	ME2000433002	Arsenic - Dissolved mg/L	<0.001
PB3	21/04/2020	1209	ME2000603002	Arsenic - Dissolved mg/L	<0.001
PB3	17/12/2015	1220	ME1510975002	Bicarbonate Alkalinity as CaCO3 mg/L 48	
PB3	20/01/2016	1219	ME1600097002	Bicarbonate Alkalinity as CaCO3 mg/L 44	
PB3	25/02/2016	1214	ME1600272002	Bicarbonate Alkalinity as CaCO3 mg/L 39	
PB3	21/03/2016	1158	ME1600392002	Bicarbonate Alkalinity as CaCO3 mg/L 37	
PB3	06/04/2016	1218	ME1600471002	Bicarbonate Alkalinity as CaCO3 mg/L 13	
PB3	20/05/2016	1103	ME1600692002	Bicarbonate Alkalinity as CaCO3 mg/L 79	
PB3	17/06/2016	1127	ME1600840002	Bicarbonate Alkalinity as CaCO3 mg/L 151	
PB3	22/07/2016	1135	ME1601029002	Bicarbonate Alkalinity as CaCO3 mg/L 88	
PB3	24/08/2016	1207	ME1601180002	Bicarbonate Alkalinity as CaCO3 mg/L 168	
PB3	06/09/2016	1208	ME1601240002	Bicarbonate Alkalinity as CaCO3 mg/L 129	
PB3	27/10/2016	1140	ME1601510002	Bicarbonate Alkalinity as CaCO3 mg/L 84	
PB3	22/11/2016	1213	ME1601646002	Bicarbonate Alkalinity as CaCO3 mg/L 112	
PB3	21/12/2016	1142	ME1601801002	Bicarbonate Alkalinity as CaCO3 mg/L 87	
PB3	21/12/2016	1142	ME1601801002	Bicarbonate Alkalinity as CaCO3 mg/L 87	
PB3	25/01/2017	1101	ME1700124002	Bicarbonate Alkalinity as CaCO3 mg/L 71	
PB3	25/01/2017	1101	ME1700124002	Bicarbonate Alkalinity as CaCO3 mg/L 71	
PB3	21/02/2017	1157	ME1700243002	Bicarbonate Alkalinity as CaCO3 mg/L 110	
PB3	21/02/2017	1157	ME1700243002	Bicarbonate Alkalinity as CaCO3 mg/L 110	
PB3	22/03/2017	1415	ME1700413002	Bicarbonate Alkalinity as CaCO3 mg/L 81	
PB3	22/03/2017	1415	ME1700413002	Bicarbonate Alkalinity as CaCO3 mg/L 81	
PB3	26/04/2017	1128	ME1700582002	Bicarbonate Alkalinity as CaCO3 mg/L 70	
PB3	26/04/2017	1128	ME1700582002	Bicarbonate Alkalinity as CaCO3 mg/L 70	
PB3	19/05/2017	1231	ME1700709002	Bicarbonate Alkalinity as CaCO3 mg/L 84	
PB3	22/06/2017	1113	ME1700866002	Bicarbonate Alkalinity as CaCO3 mg/L 69	
PB3	24/07/2017	1158	ME1701008002	Bicarbonate Alkalinity as CaCO3 mg/L 66	
PB3	17/08/2017	1222	ME1701130002	Bicarbonate Alkalinity as CaCO3 mg/L 136	
PB3	18/09/2017	1240	ME1701275002	Bicarbonate Alkalinity as CaCO3 mg/L 175	
PB3	16/10/2017	1253	ME1701413002	Bicarbonate Alkalinity as CaCO3 mg/L 160	

PB3	21/11/2017	1308	ME1701588002	Bicarbonate Alkalinity as CaCO3 mg/L	136
PB3	21/12/2017	1050	ME1701771002	Bicarbonate Alkalinity as CaCO3 mg/L	171
PB3	11/01/2018	1248	ME1800056002	Bicarbonate Alkalinity as CaCO3 mg/L	187
PB3	19/02/2018	1237	ME1800240002	Bicarbonate Alkalinity as CaCO3 mg/L	190
PB3	21/03/2018	1201	ME1800392002	Bicarbonate Alkalinity as CaCO3 mg/L	163
PB3	26/04/2018	1232	ME1800548002	Bicarbonate Alkalinity as CaCO3 mg/L	156
PB3	22/05/2018	1216	ME1800676002	Bicarbonate Alkalinity as CaCO3 mg/L	165
PB3	20/06/2018	1117	ME1800816002	Bicarbonate Alkalinity as CaCO3 mg/L	148
PB3	20/07/2018	1135	ME1800947002	Bicarbonate Alkalinity as CaCO3 mg/L	166
PB3	10/08/2018	1208	ME1801055002	Bicarbonate Alkalinity as CaCO3 mg/L	196
PB3	17/09/2018	1152	ME1801223002	Bicarbonate Alkalinity as CaCO3 mg/L	156
PB3	23/10/2018	1310	ME1801391002	Bicarbonate Alkalinity as CaCO3 mg/L	182
PB3	22/11/2018	1059	ME1801533002	Bicarbonate Alkalinity as CaCO3 mg/L	197
PB3	18/12/2018	1202	ME1801653002	Bicarbonate Alkalinity as CaCO3 mg/L	162
PB3	14/01/2019	1324	ME1900052002	Bicarbonate Alkalinity as CaCO3 mg/L	163
PB3	21/02/2019	1239	ME1900241002	Bicarbonate Alkalinity as CaCO3 mg/L	157
PB3	18/03/2019	1226	ME1900366002	Bicarbonate Alkalinity as CaCO3 mg/L	159
PB3	15/04/2019	1134	ME1900507002	Bicarbonate Alkalinity as CaCO3 mg/L	130
PB3	21/05/2019	1218	ME1900651002	Bicarbonate Alkalinity as CaCO3 mg/L	149
PB3	13/06/2019	1203	ME1900760002	Bicarbonate Alkalinity as CaCO3 mg/L	154
PB3	15/07/2019	1023	ME1900896002	Bicarbonate Alkalinity as CaCO3 mg/L	140
PB3	20/08/2019	1210	ME1901071002	Bicarbonate Alkalinity as CaCO3 mg/L	141
PB3	16/09/2019	1408	ME1901212002	Bicarbonate Alkalinity as CaCO3 mg/L	132
PB3	24/10/2019	1137	ME1901416002	Bicarbonate Alkalinity as CaCO3 mg/L	143
PB3	18/11/2019	1207	ME1901522002	Bicarbonate Alkalinity as CaCO3 mg/L	166
PB3	17/12/2019	1241	ME1901703002	Bicarbonate Alkalinity as CaCO3 mg/L	<1
PB3	23/01/2020	1050	ME2000111002	Bicarbonate Alkalinity as CaCO3 mg/L	160
PB3	12/02/2020	1200	ME2000226002	Bicarbonate Alkalinity as CaCO3 mg/L	157
PB3	18/03/2020	1224	ME2000433002	Bicarbonate Alkalinity as CaCO3 mg/L	170
PB3	21/04/2020	1209	ME2000603002	Bicarbonate Alkalinity as CaCO3 mg/L	173
PB3	17/12/2015	1220	ME1510975002	Boron - Dissolved mg/L	<0.05
PB3	20/01/2016	1219	ME1600097002	Boron - Dissolved mg/L	<0.05
PB3	25/02/2016	1214	ME1600272002	Boron - Dissolved mg/L	<0.05
PB3	21/03/2016	1158	ME1600392002	Boron - Dissolved mg/L	<0.05
PB3	06/04/2016	1218	ME1600471002	Boron - Dissolved mg/L	<0.05
PB3	20/05/2016	1103	ME1600692002	Boron - Dissolved mg/L	<0.05
PB3	17/06/2016	1127	ME1600840002	Boron - Dissolved mg/L	<0.05
PB3	22/07/2016	1135	ME1601029002	Boron - Dissolved mg/L	<0.05
PB3	24/08/2016	1207	ME1601180002	Boron - Dissolved mg/L	<0.05
PB3	06/09/2016	1208	ME1601240002	Boron - Dissolved mg/L	<0.05
PB3	27/10/2016	1140	ME1601510002	Boron - Dissolved mg/L	<0.05
PB3	22/11/2016	1213	ME1601646002	Boron - Dissolved mg/L	<0.05
PB3	21/12/2016	1142	ME1601801002	Boron - Dissolved mg/L	<0.05
PB3	21/12/2016	1142	ME1601801002	Boron - Dissolved mg/L	<0.05
PB3	25/01/2017	1101	ME1700124002	Boron - Dissolved mg/L	<0.05
PB3	25/01/2017	1101	ME1700124002	Boron - Dissolved mg/L	<0.05
PB3	21/02/2017	1157	ME1700243002	Boron - Dissolved mg/L	<0.05

PB3	21/02/2017	1157	ME1700243002	Boron - Dissolved mg/L	<0.05
PB3	22/03/2017	1415	ME1700413002	Boron - Dissolved mg/L	<0.05
PB3	22/03/2017	1415	ME1700413002	Boron - Dissolved mg/L	<0.05
PB3	26/04/2017	1128	ME1700582002	Boron - Dissolved mg/L	<0.05
PB3	26/04/2017	1128	ME1700582002	Boron - Dissolved mg/L	<0.05
PB3	19/05/2017	1231	ME1700709002	Boron - Dissolved mg/L	<0.05
PB3	22/06/2017	1113	ME1700866002	Boron - Dissolved mg/L	<0.05
PB3	24/07/2017	1158	ME1701008002	Boron - Dissolved mg/L	0.1
PB3	17/08/2017	1222	ME1701130002	Boron - Dissolved mg/L	<0.05
PB3	18/09/2017	1240	ME1701275002	Boron - Dissolved mg/L	<0.05
PB3	16/10/2017	1253	ME1701413002	Boron - Dissolved mg/L	<0.05
PB3	21/11/2017	1308	ME1701588002	Boron - Dissolved mg/L	<0.05
PB3	21/12/2017	1050	ME1701771002	Boron - Dissolved mg/L	0.1
PB3	11/01/2018	1248	ME1800056002	Boron - Dissolved mg/L	<0.05
PB3	19/02/2018	1237	ME1800240002	Boron - Dissolved mg/L	<0.05
PB3	21/03/2018	1201	ME1800392002	Boron - Dissolved mg/L	<0.05
PB3	26/04/2018	1232	ME1800548002	Boron - Dissolved mg/L	0.07
PB3	22/05/2018	1216	ME1800676002	Boron - Dissolved mg/L	<0.05
PB3	20/06/2018	1117	ME1800816002	Boron - Dissolved mg/L	<0.05
PB3	20/07/2018	1135	ME1800947002	Boron - Dissolved mg/L	<0.05
PB3	10/08/2018	1208	ME1801055002	Boron - Dissolved mg/L	0.06
PB3	17/09/2018	1152	ME1801223002	Boron - Dissolved mg/L	<0.05
PB3	23/10/2018	1310	ME1801391002	Boron - Dissolved mg/L	<0.05
PB3	22/11/2018	1059	ME1801533002	Boron - Dissolved mg/L	<0.05
PB3	18/12/2018	1202	ME1801653002	Boron - Dissolved mg/L	<0.05
PB3	14/01/2019	1324	ME1900052002	Boron - Dissolved mg/L	<0.05
PB3	21/02/2019	1239	ME1900241002	Boron - Dissolved mg/L	<0.05
PB3	18/03/2019	1226	ME1900366002	Boron - Dissolved mg/L	<0.05
PB3	15/04/2019	1134	ME1900507002	Boron - Dissolved mg/L	<0.05
PB3	21/05/2019	1218	ME1900651002	Boron - Dissolved mg/L	<0.05
PB3	13/06/2019	1203	ME1900760002	Boron - Dissolved mg/L	0.17
PB3	15/07/2019	1023	ME1900896002	Boron - Dissolved mg/L	<0.05
PB3	20/08/2019	1210	ME1901071002	Boron - Dissolved mg/L	<0.05
PB3	16/09/2019	1408	ME1901212002	Boron - Dissolved mg/L	<0.05
PB3	24/10/2019	1137	ME1901416002	Boron - Dissolved mg/L	<0.05
PB3	18/11/2019	1207	ME1901522002	Boron - Dissolved mg/L	<0.05
PB3	17/12/2019	1241	ME1901703002	Boron - Dissolved mg/L	<0.05
PB3	23/01/2020	1050	ME2000111002	Boron - Dissolved mg/L	<0.05
PB3	12/02/2020	1200	ME2000226002	Boron - Dissolved mg/L	0.05
PB3	18/03/2020	1224	ME2000433002	Boron - Dissolved mg/L	<0.05
PB3	21/04/2020	1209	ME2000603002	Boron - Dissolved mg/L	<0.05
PB3	17/12/2015	1220	ME1510975002	Cadmium - Dissolved mg/L	<0.0001
PB3	20/01/2016	1219	ME1600097002	Cadmium - Dissolved mg/L	0.0002
PB3	25/02/2016	1214	ME1600272002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/03/2016	1158	ME1600392002	Cadmium - Dissolved mg/L	<0.0001
PB3	06/04/2016	1218	ME1600471002	Cadmium - Dissolved mg/L	<0.0001
PB3	20/05/2016	1103	ME1600692002	Cadmium - Dissolved mg/L	<0.0001

PB3	17/06/2016	1127	ME1600840002	Cadmium - Dissolved mg/L	<0.0001
PB3	22/07/2016	1135	ME1601029002	Cadmium - Dissolved mg/L	<0.0001
PB3	24/08/2016	1207	ME1601180002	Cadmium - Dissolved mg/L	<0.0001
PB3	06/09/2016	1208	ME1601240002	Cadmium - Dissolved mg/L	<0.0001
PB3	27/10/2016	1140	ME1601510002	Cadmium - Dissolved mg/L	<0.0001
PB3	22/11/2016	1213	ME1601646002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/12/2016	1142	ME1601801002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/12/2016	1142	ME1601801002	Cadmium - Dissolved mg/L	<0.0001
PB3	25/01/2017	1101	ME1700124002	Cadmium - Dissolved mg/L	<0.0001
PB3	25/01/2017	1101	ME1700124002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/02/2017	1157	ME1700243002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/02/2017	1157	ME1700243002	Cadmium - Dissolved mg/L	<0.0001
PB3	22/03/2017	1415	ME1700413002	Cadmium - Dissolved mg/L	<0.0001
PB3	22/03/2017	1415	ME1700413002	Cadmium - Dissolved mg/L	<0.0001
PB3	26/04/2017	1128	ME1700582002	Cadmium - Dissolved mg/L	<0.0001
PB3	26/04/2017	1128	ME1700582002	Cadmium - Dissolved mg/L	<0.0001
PB3	19/05/2017	1231	ME1700709002	Cadmium - Dissolved mg/L	<0.0001
PB3	22/06/2017	1113	ME1700866002	Cadmium - Dissolved mg/L	<0.0001
PB3	24/07/2017	1158	ME1701008002	Cadmium - Dissolved mg/L	<0.0001
PB3	17/08/2017	1222	ME1701130002	Cadmium - Dissolved mg/L	<0.0001
PB3	18/09/2017	1240	ME1701275002	Cadmium - Dissolved mg/L	<0.0001
PB3	16/10/2017	1253	ME1701413002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/11/2017	1308	ME1701588002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/12/2017	1050	ME1701771002	Cadmium - Dissolved mg/L	<0.0001
PB3	11/01/2018	1248	ME1800056002	Cadmium - Dissolved mg/L	<0.0001
PB3	19/02/2018	1237	ME1800240002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/03/2018	1201	ME1800392002	Cadmium - Dissolved mg/L	<0.0001
PB3	26/04/2018	1232	ME1800548002	Cadmium - Dissolved mg/L	<0.0001
PB3	22/05/2018	1216	ME1800676002	Cadmium - Dissolved mg/L	<0.0001
PB3	20/06/2018	1117	ME1800816002	Cadmium - Dissolved mg/L	<0.0001
PB3	20/07/2018	1135	ME1800947002	Cadmium - Dissolved mg/L	<0.0001
PB3	10/08/2018	1208	ME1801055002	Cadmium - Dissolved mg/L	<0.0001
PB3	17/09/2018	1152	ME1801223002	Cadmium - Dissolved mg/L	<0.0001
PB3	23/10/2018	1310	ME1801391002	Cadmium - Dissolved mg/L	<0.0001
PB3	22/11/2018	1059	ME1801533002	Cadmium - Dissolved mg/L	<0.0001
PB3	18/12/2018	1202	ME1801653002	Cadmium - Dissolved mg/L	<0.0001
PB3	14/01/2019	1324	ME1900052002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/02/2019	1239	ME1900241002	Cadmium - Dissolved mg/L	<0.0001
PB3	18/03/2019	1226	ME1900366002	Cadmium - Dissolved mg/L	<0.0001
PB3	15/04/2019	1134	ME1900507002	Cadmium - Dissolved mg/L	<0.0001
PB3	21/05/2019	1218	ME1900651002	Cadmium - Dissolved mg/L	<0.0001
PB3	13/06/2019	1203	ME1900760002	Cadmium - Dissolved mg/L	<0.0001
PB3	15/07/2019	1023	ME1900896002	Cadmium - Dissolved mg/L	<0.0001
PB3	20/08/2019	1210	ME1901071002	Cadmium - Dissolved mg/L	<0.0001
PB3	16/09/2019	1408	ME1901212002	Cadmium - Dissolved mg/L	<0.0001
PB3	24/10/2019	1137	ME1901416002	Cadmium - Dissolved mg/L	<0.0001
PB3	18/11/2019	1207	ME1901522002	Cadmium - Dissolved mg/L	<0.0001

PB3	17/12/2019	1241	ME1901703002	Cadmium - Dissolved mg/L	<0.0001
PB3	23/01/2020	1050	ME2000111002	Cadmium - Dissolved mg/L	<0.0001
PB3	12/02/2020	1200	ME2000226002	Cadmium - Dissolved mg/L	<0.0001
PB3	18/03/2020	1224	ME2000433002	Cadmium - Dissolved mg/L	0.0001
PB3	21/04/2020	1209	ME2000603002	Cadmium - Dissolved mg/L	<0.0001
PB3	17/12/2015	1220	ME1510975002	Calcium - Dissolved mg/L	280
PB3	20/01/2016	1219	ME1600097002	Calcium - Dissolved mg/L	325
PB3	25/02/2016	1214	ME1600272002	Calcium - Dissolved mg/L	324
PB3	21/03/2016	1158	ME1600392002	Calcium - Dissolved mg/L	290
PB3	06/04/2016	1218	ME1600471002	Calcium - Dissolved mg/L	303
PB3	20/05/2016	1103	ME1600692002	Calcium - Dissolved mg/L	320
PB3	17/06/2016	1127	ME1600840002	Calcium - Dissolved mg/L	341
PB3	22/07/2016	1135	ME1601029002	Calcium - Dissolved mg/L	365
PB3	24/08/2016	1207	ME1601180002	Calcium - Dissolved mg/L	370
PB3	06/09/2016	1208	ME1601240002	Calcium - Dissolved mg/L	366
PB3	27/10/2016	1140	ME1601510002	Calcium - Dissolved mg/L	312
PB3	22/11/2016	1213	ME1601646002	Calcium - Dissolved mg/L	362
PB3	21/12/2016	1142	ME1601801002	Calcium - Dissolved mg/L	341
PB3	21/12/2016	1142	ME1601801002	Calcium - Dissolved mg/L	341
PB3	25/01/2017	1101	ME1700124002	Calcium - Dissolved mg/L	349
PB3	25/01/2017	1101	ME1700124002	Calcium - Dissolved mg/L	349
PB3	21/02/2017	1157	ME1700243002	Calcium - Dissolved mg/L	362
PB3	21/02/2017	1157	ME1700243002	Calcium - Dissolved mg/L	362
PB3	22/03/2017	1415	ME1700413002	Calcium - Dissolved mg/L	354
PB3	22/03/2017	1415	ME1700413002	Calcium - Dissolved mg/L	354
PB3	26/04/2017	1128	ME1700582002	Calcium - Dissolved mg/L	328
PB3	26/04/2017	1128	ME1700582002	Calcium - Dissolved mg/L	328
PB3	19/05/2017	1231	ME1700709002	Calcium - Dissolved mg/L	339
PB3	22/06/2017	1113	ME1700866002	Calcium - Dissolved mg/L	358
PB3	24/07/2017	1158	ME1701008002	Calcium - Dissolved mg/L	342
PB3	17/08/2017	1222	ME1701130002	Calcium - Dissolved mg/L	307
PB3	18/09/2017	1240	ME1701275002	Calcium - Dissolved mg/L	345
PB3	16/10/2017	1253	ME1701413002	Calcium - Dissolved mg/L	348
PB3	21/11/2017	1308	ME1701588002	Calcium - Dissolved mg/L	337
PB3	21/12/2017	1050	ME1701771002	Calcium - Dissolved mg/L	355
PB3	11/01/2018	1248	ME1800056002	Calcium - Dissolved mg/L	342
PB3	19/02/2018	1237	ME1800240002	Calcium - Dissolved mg/L	365
PB3	21/03/2018	1201	ME1800392002	Calcium - Dissolved mg/L	340
PB3	26/04/2018	1232	ME1800548002	Calcium - Dissolved mg/L	378
PB3	22/05/2018	1216	ME1800676002	Calcium - Dissolved mg/L	332
PB3	20/06/2018	1117	ME1800816002	Calcium - Dissolved mg/L	363
PB3	20/07/2018	1135	ME1800947002	Calcium - Dissolved mg/L	371
PB3	10/08/2018	1208	ME1801055002	Calcium - Dissolved mg/L	368
PB3	17/09/2018	1152	ME1801223002	Calcium - Dissolved mg/L	394
PB3	23/10/2018	1310	ME1801391002	Calcium - Dissolved mg/L	361
PB3	22/11/2018	1059	ME1801533002	Calcium - Dissolved mg/L	357
PB3	18/12/2018	1202	ME1801653002	Calcium - Dissolved mg/L	375

PB3	14/01/2019	1324	ME1900052002	Calcium - Dissolved mg/L	368
PB3	21/02/2019	1239	ME1900241002	Calcium - Dissolved mg/L	360
PB3	18/03/2019	1226	ME1900366002	Calcium - Dissolved mg/L	364
PB3	15/04/2019	1134	ME1900507002	Calcium - Dissolved mg/L	386
PB3	21/05/2019	1218	ME1900651002	Calcium - Dissolved mg/L	366
PB3	13/06/2019	1203	ME1900760002	Calcium - Dissolved mg/L	364
PB3	15/07/2019	1023	ME1900896002	Calcium - Dissolved mg/L	356
PB3	20/08/2019	1210	ME1901071002	Calcium - Dissolved mg/L	325
PB3	16/09/2019	1408	ME1901212002	Calcium - Dissolved mg/L	360
PB3	24/10/2019	1137	ME1901416002	Calcium - Dissolved mg/L	366
PB3	18/11/2019	1207	ME1901522002	Calcium - Dissolved mg/L	382
PB3	17/12/2019	1241	ME1901703002	Calcium - Dissolved mg/L	368
PB3	23/01/2020	1050	ME2000111002	Calcium - Dissolved mg/L	382
PB3	12/02/2020	1200	ME2000226002	Calcium - Dissolved mg/L	372
PB3	18/03/2020	1224	ME2000433002	Calcium - Dissolved mg/L	361
PB3	21/04/2020	1209	ME2000603002	Calcium - Dissolved mg/L	375
PB3	17/12/2015	1220	ME1510975002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	20/01/2016	1219	ME1600097002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	25/02/2016	1214	ME1600272002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/03/2016	1158	ME1600392002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	06/04/2016	1218	ME1600471002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	20/05/2016	1103	ME1600692002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	17/06/2016	1127	ME1600840002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	22/07/2016	1135	ME1601029002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	24/08/2016	1207	ME1601180002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	06/09/2016	1208	ME1601240002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	27/10/2016	1140	ME1601510002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	22/11/2016	1213	ME1601646002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/12/2016	1142	ME1601801002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/12/2016	1142	ME1601801002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	25/01/2017	1101	ME1700124002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	25/01/2017	1101	ME1700124002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/02/2017	1157	ME1700243002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/02/2017	1157	ME1700243002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	22/03/2017	1415	ME1700413002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	22/03/2017	1415	ME1700413002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	26/04/2017	1128	ME1700582002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	26/04/2017	1128	ME1700582002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	19/05/2017	1231	ME1700709002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	22/06/2017	1113	ME1700866002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	24/07/2017	1158	ME1701008002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	17/08/2017	1222	ME1701130002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	18/09/2017	1240	ME1701275002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	16/10/2017	1253	ME1701413002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/11/2017	1308	ME1701588002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/12/2017	1050	ME1701771002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	11/01/2018	1248	ME1800056002	Carbonate Alkalinity as CaCO3 mg/L	<1

PB3	19/02/2018	1237	ME1800240002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/03/2018	1201	ME1800392002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	26/04/2018	1232	ME1800548002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	22/05/2018	1216	ME1800676002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	20/06/2018	1117	ME1800816002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	20/07/2018	1135	ME1800947002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	10/08/2018	1208	ME1801055002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	17/09/2018	1152	ME1801223002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	23/10/2018	1310	ME1801391002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	22/11/2018	1059	ME1801533002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	18/12/2018	1202	ME1801653002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	14/01/2019	1324	ME1900052002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/02/2019	1239	ME1900241002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	18/03/2019	1226	ME1900366002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	15/04/2019	1134	ME1900507002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/05/2019	1218	ME1900651002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	13/06/2019	1203	ME1900760002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	15/07/2019	1023	ME1900896002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	20/08/2019	1210	ME1901071002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	16/09/2019	1408	ME1901212002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	24/10/2019	1137	ME1901416002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	18/11/2019	1207	ME1901522002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	17/12/2019	1241	ME1901703002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	23/01/2020	1050	ME2000111002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	12/02/2020	1200	ME2000226002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	18/03/2020	1224	ME2000433002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	21/04/2020	1209	ME2000603002	Carbonate Alkalinity as CaCO3 mg/L	<1
PB3	17/12/2015	1220	ME1510975002	Chloride mg/L	130
PB3	20/01/2016	1219	ME1600097002	Chloride mg/L	123
PB3	25/02/2016	1214	ME1600272002	Chloride mg/L	128
PB3	21/03/2016	1158	ME1600392002	Chloride mg/L	126
PB3	06/04/2016	1218	ME1600471002	Chloride mg/L	129
PB3	20/05/2016	1103	ME1600692002	Chloride mg/L	121
PB3	17/06/2016	1127	ME1600840002	Chloride mg/L	125
PB3	22/07/2016	1135	ME1601029002	Chloride mg/L	<1
PB3	24/08/2016	1207	ME1601180002	Chloride mg/L	132
PB3	06/09/2016	1208	ME1601240002	Chloride mg/L	134
PB3	27/10/2016	1140	ME1601510002	Chloride mg/L	136
PB3	22/11/2016	1213	ME1601646002	Chloride mg/L	131
PB3	21/12/2016	1142	ME1601801002	Chloride mg/L	151
PB3	21/12/2016	1142	ME1601801002	Chloride mg/L	151
PB3	25/01/2017	1101	ME1700124002	Chloride mg/L	130
PB3	25/01/2017	1101	ME1700124002	Chloride mg/L	130
PB3	21/02/2017	1157	ME1700243002	Chloride mg/L	131
PB3	21/02/2017	1157	ME1700243002	Chloride mg/L	131
PB3	22/03/2017	1415	ME1700413002	Chloride mg/L	144
PB3	22/03/2017	1415	ME1700413002	Chloride mg/L	144

PB3	26/04/2017	1128	ME1700582002	Chloride mg/L	143
PB3	26/04/2017	1128	ME1700582002	Chloride mg/L	143
PB3	19/05/2017	1231	ME1700709002	Chloride mg/L	141
PB3	22/06/2017	1113	ME1700866002	Chloride mg/L	135
PB3	24/07/2017	1158	ME1701008002	Chloride mg/L	124
PB3	17/08/2017	1222	ME1701130002	Chloride mg/L	112
PB3	18/09/2017	1240	ME1701275002	Chloride mg/L	128
PB3	16/10/2017	1253	ME1701413002	Chloride mg/L	118
PB3	21/11/2017	1308	ME1701588002	Chloride mg/L	130
PB3	21/12/2017	1050	ME1701771002	Chloride mg/L	147
PB3	11/01/2018	1248	ME1800056002	Chloride mg/L	140
PB3	19/02/2018	1237	ME1800240002	Chloride mg/L	142
PB3	21/03/2018	1201	ME1800392002	Chloride mg/L	146
PB3	26/04/2018	1232	ME1800548002	Chloride mg/L	140
PB3	22/05/2018	1216	ME1800676002	Chloride mg/L	142
PB3	20/06/2018	1117	ME1800816002	Chloride mg/L	147
PB3	20/07/2018	1135	ME1800947002	Chloride mg/L	129
PB3	10/08/2018	1208	ME1801055002	Chloride mg/L	149
PB3	17/09/2018	1152	ME1801223002	Chloride mg/L	159
PB3	23/10/2018	1310	ME1801391002	Chloride mg/L	142
PB3	22/11/2018	1059	ME1801533002	Chloride mg/L	137
PB3	18/12/2018	1202	ME1801653002	Chloride mg/L	134
PB3	14/01/2019	1324	ME1900052002	Chloride mg/L	131
PB3	21/02/2019	1239	ME1900241002	Chloride mg/L	148
PB3	18/03/2019	1226	ME1900366002	Chloride mg/L	151
PB3	15/04/2019	1134	ME1900507002	Chloride mg/L	134
PB3	21/05/2019	1218	ME1900651002	Chloride mg/L	138
PB3	13/06/2019	1203	ME1900760002	Chloride mg/L	131
PB3	15/07/2019	1023	ME1900896002	Chloride mg/L	136
PB3	20/08/2019	1210	ME1901071002	Chloride mg/L	135
PB3	16/09/2019	1408	ME1901212002	Chloride mg/L	137
PB3	24/10/2019	1137	ME1901416002	Chloride mg/L	139
PB3	18/11/2019	1207	ME1901522002	Chloride mg/L	129
PB3	17/12/2019	1241	ME1901703002	Chloride mg/L	139
PB3	23/01/2020	1050	ME2000111002	Chloride mg/L	141
PB3	12/02/2020	1200	ME2000226002	Chloride mg/L	149
PB3	18/03/2020	1224	ME2000433002	Chloride mg/L	159
PB3	21/04/2020	1209	ME2000603002	Chloride mg/L	147
PB3	17/12/2015	1220	ME1510975002	Chromium - Dissolved mg/L	<0.001
PB3	20/01/2016	1219	ME1600097002	Chromium - Dissolved mg/L	<0.001
PB3	25/02/2016	1214	ME1600272002	Chromium - Dissolved mg/L	<0.001
PB3	21/03/2016	1158	ME1600392002	Chromium - Dissolved mg/L	<0.001
PB3	06/04/2016	1218	ME1600471002	Chromium - Dissolved mg/L	<0.001
PB3	20/05/2016	1103	ME1600692002	Chromium - Dissolved mg/L	<0.001
PB3	17/06/2016	1127	ME1600840002	Chromium - Dissolved mg/L	<0.001
PB3	22/07/2016	1135	ME1601029002	Chromium - Dissolved mg/L	<0.001
PB3	24/08/2016	1207	ME1601180002	Chromium - Dissolved mg/L	<0.001

PB3	06/09/2016	1208	ME1601240002	Chromium - Dissolved mg/L	<0.001
PB3	27/10/2016	1140	ME1601510002	Chromium - Dissolved mg/L	<0.001
PB3	22/11/2016	1213	ME1601646002	Chromium - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Chromium - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Chromium - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Chromium - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Chromium - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Chromium - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Chromium - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Chromium - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Chromium - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Chromium - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Chromium - Dissolved mg/L	<0.001
PB3	19/05/2017	1231	ME1700709002	Chromium - Dissolved mg/L	<0.001
PB3	22/06/2017	1113	ME1700866002	Chromium - Dissolved mg/L	<0.001
PB3	24/07/2017	1158	ME1701008002	Chromium - Dissolved mg/L	<0.001
PB3	17/08/2017	1222	ME1701130002	Chromium - Dissolved mg/L	<0.001
PB3	18/09/2017	1240	ME1701275002	Chromium - Dissolved mg/L	<0.001
PB3	16/10/2017	1253	ME1701413002	Chromium - Dissolved mg/L	<0.001
PB3	21/11/2017	1308	ME1701588002	Chromium - Dissolved mg/L	<0.001
PB3	21/12/2017	1050	ME1701771002	Chromium - Dissolved mg/L	<0.001
PB3	11/01/2018	1248	ME1800056002	Chromium - Dissolved mg/L	<0.001
PB3	19/02/2018	1237	ME1800240002	Chromium - Dissolved mg/L	<0.001
PB3	21/03/2018	1201	ME1800392002	Chromium - Dissolved mg/L	<0.001
PB3	26/04/2018	1232	ME1800548002	Chromium - Dissolved mg/L	<0.001
PB3	22/05/2018	1216	ME1800676002	Chromium - Dissolved mg/L	<0.001
PB3	20/06/2018	1117	ME1800816002	Chromium - Dissolved mg/L	<0.001
PB3	20/07/2018	1135	ME1800947002	Chromium - Dissolved mg/L	<0.001
PB3	10/08/2018	1208	ME1801055002	Chromium - Dissolved mg/L	<0.001
PB3	17/09/2018	1152	ME1801223002	Chromium - Dissolved mg/L	<0.001
PB3	23/10/2018	1310	ME1801391002	Chromium - Dissolved mg/L	<0.001
PB3	22/11/2018	1059	ME1801533002	Chromium - Dissolved mg/L	<0.001
PB3	18/12/2018	1202	ME1801653002	Chromium - Dissolved mg/L	<0.001
PB3	14/01/2019	1324	ME1900052002	Chromium - Dissolved mg/L	<0.001
PB3	21/02/2019	1239	ME1900241002	Chromium - Dissolved mg/L	<0.001
PB3	18/03/2019	1226	ME1900366002	Chromium - Dissolved mg/L	<0.001
PB3	15/04/2019	1134	ME1900507002	Chromium - Dissolved mg/L	<0.001
PB3	21/05/2019	1218	ME1900651002	Chromium - Dissolved mg/L	<0.001
PB3	13/06/2019	1203	ME1900760002	Chromium - Dissolved mg/L	<0.001
PB3	15/07/2019	1023	ME1900896002	Chromium - Dissolved mg/L	<0.001
PB3	20/08/2019	1210	ME1901071002	Chromium - Dissolved mg/L	<0.001
PB3	16/09/2019	1408	ME1901212002	Chromium - Dissolved mg/L	<0.001
PB3	24/10/2019	1137	ME1901416002	Chromium - Dissolved mg/L	<0.001
PB3	18/11/2019	1207	ME1901522002	Chromium - Dissolved mg/L	<0.001
PB3	17/12/2019	1241	ME1901703002	Chromium - Dissolved mg/L	<0.001
PB3	23/01/2020	1050	ME2000111002	Chromium - Dissolved mg/L	<0.001
PB3	12/02/2020	1200	ME2000226002	Chromium - Dissolved mg/L	<0.001

PB3	18/03/2020	1224	ME2000433002	Chromium - Dissolved mg/L	<0.001
PB3	21/04/2020	1209	ME2000603002	Chromium - Dissolved mg/L	<0.001
PB3	17/12/2015	1220	ME1510975002	Conductivity @ 25oC µS/cm	3850
PB3	20/01/2016	1219	ME1600097002	Conductivity @ 25oC µS/cm	3920
PB3	25/02/2016	1214	ME1600272002	Conductivity @ 25oC µS/cm	3930
PB3	21/03/2016	1158	ME1600392002	Conductivity @ 25oC µS/cm	3930
PB3	06/04/2016	1218	ME1600471002	Conductivity @ 25oC µS/cm	3940
PB3	20/05/2016	1103	ME1600692002	Conductivity @ 25oC µS/cm	3910
PB3	17/06/2016	1127	ME1600840002	Conductivity @ 25oC µS/cm	3750
PB3	22/07/2016	1135	ME1601029002	Conductivity @ 25oC µS/cm	3740
PB3	24/08/2016	1207	ME1601180002	Conductivity @ 25oC µS/cm	3770
PB3	06/09/2016	1208	ME1601240002	Conductivity @ 25oC µS/cm	3780
PB3	27/10/2016	1140	ME1601510002	Conductivity @ 25oC µS/cm	3750
PB3	22/11/2016	1213	ME1601646002	Conductivity @ 25oC µS/cm	3720
PB3	21/12/2016	1142	ME1601801002	Conductivity @ 25oC µS/cm	3790
PB3	21/12/2016	1142	ME1601801002	Conductivity @ 25oC µS/cm	3790
PB3	25/01/2017	1101	ME1700124002	Conductivity @ 25oC µS/cm	3760
PB3	25/01/2017	1101	ME1700124002	Conductivity @ 25oC µS/cm	3760
PB3	21/02/2017	1157	ME1700243002	Conductivity @ 25oC µS/cm	3710
PB3	21/02/2017	1157	ME1700243002	Conductivity @ 25oC µS/cm	3710
PB3	22/03/2017	1415	ME1700413002	Conductivity @ 25oC µS/cm	3800
PB3	22/03/2017	1415	ME1700413002	Conductivity @ 25oC µS/cm	3800
PB3	26/04/2017	1128	ME1700582002	Conductivity @ 25oC µS/cm	3720
PB3	26/04/2017	1128	ME1700582002	Conductivity @ 25oC µS/cm	3720
PB3	19/05/2017	1231	ME1700709002	Conductivity @ 25oC µS/cm	3740
PB3	22/06/2017	1113	ME1700866002	Conductivity @ 25oC µS/cm	3670
PB3	24/07/2017	1158	ME1701008002	Conductivity @ 25oC µS/cm	3700
PB3	17/08/2017	1222	ME1701130002	Conductivity @ 25oC µS/cm	3760
PB3	18/09/2017	1240	ME1701275002	Conductivity @ 25oC µS/cm	3760
PB3	16/10/2017	1253	ME1701413002	Conductivity @ 25oC µS/cm	3730
PB3	21/11/2017	1308	ME1701588002	Conductivity @ 25oC µS/cm	3590
PB3	21/12/2017	1050	ME1701771002	Conductivity @ 25oC µS/cm	3420
PB3	11/01/2018	1248	ME1800056002	Conductivity @ 25oC µS/cm	3460
PB3	19/02/2018	1237	ME1800240002	Conductivity @ 25oC µS/cm	3420
PB3	21/03/2018	1201	ME1800392002	Conductivity @ 25oC µS/cm	3360
PB3	26/04/2018	1232	ME1800548002	Conductivity @ 25oC µS/cm	3460
PB3	22/05/2018	1216	ME1800676002	Conductivity @ 25oC µS/cm	3470
PB3	20/06/2018	1117	ME1800816002	Conductivity @ 25oC µS/cm	3460
PB3	20/07/2018	1135	ME1800947002	Conductivity @ 25oC µS/cm	3470
PB3	10/08/2018	1208	ME1801055002	Conductivity @ 25oC µS/cm	3400
PB3	17/09/2018	1152	ME1801223002	Conductivity @ 25oC µS/cm	3530
PB3	23/10/2018	1310	ME1801391002	Conductivity @ 25oC µS/cm	3440
PB3	22/11/2018	1059	ME1801533002	Conductivity @ 25oC µS/cm	3360
PB3	18/12/2018	1202	ME1801653002	Conductivity @ 25oC µS/cm	3410
PB3	14/01/2019	1324	ME1900052002	Conductivity @ 25oC µS/cm	3420
PB3	21/02/2019	1239	ME1900241002	Conductivity @ 25oC µS/cm	3400
PB3	18/03/2019	1226	ME1900366002	Conductivity @ 25oC µS/cm	3460

PB3	15/04/2019	1134	ME1900507002	Conductivity @ 25oC µS/cm	3420
PB3	21/05/2019	1218	ME1900651002	Conductivity @ 25oC µS/cm	3410
PB3	13/06/2019	1203	ME1900760002	Conductivity @ 25oC µS/cm	3400
PB3	15/07/2019	1023	ME1900896002	Conductivity @ 25oC µS/cm	3430
PB3	20/08/2019	1210	ME1901071002	Conductivity @ 25oC µS/cm	3430
PB3	16/09/2019	1408	ME1901212002	Conductivity @ 25oC µS/cm	3440
PB3	24/10/2019	1137	ME1901416002	Conductivity @ 25oC µS/cm	1410
PB3	18/11/2019	1207	ME1901522002	Conductivity @ 25oC µS/cm	3400
PB3	17/12/2019	1241	ME1901703002	Conductivity @ 25oC µS/cm	3410
PB3	23/01/2020	1050	ME2000111002	Conductivity @ 25oC µS/cm	3480
PB3	12/02/2020	1200	ME2000226002	Conductivity @ 25oC µS/cm	3470
PB3	18/03/2020	1224	ME2000433002	Conductivity @ 25oC µS/cm	3410
PB3	21/04/2020	1209	ME2000603002	Conductivity @ 25oC µS/cm	3430
PB3	17/12/2015	1220	ME1510975002	Copper - Dissolved mg/L	0.001
PB3	20/01/2016	1219	ME1600097002	Copper - Dissolved mg/L	0.001
PB3	25/02/2016	1214	ME1600272002	Copper - Dissolved mg/L	<0.001
PB3	21/03/2016	1158	ME1600392002	Copper - Dissolved mg/L	<0.001
PB3	06/04/2016	1218	ME1600471002	Copper - Dissolved mg/L	<0.001
PB3	20/05/2016	1103	ME1600692002	Copper - Dissolved mg/L	<0.001
PB3	17/06/2016	1127	ME1600840002	Copper - Dissolved mg/L	<0.001
PB3	22/07/2016	1135	ME1601029002	Copper - Dissolved mg/L	<0.001
PB3	24/08/2016	1207	ME1601180002	Copper - Dissolved mg/L	<0.001
PB3	06/09/2016	1208	ME1601240002	Copper - Dissolved mg/L	<0.001
PB3	27/10/2016	1140	ME1601510002	Copper - Dissolved mg/L	<0.001
PB3	22/11/2016	1213	ME1601646002	Copper - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Copper - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Copper - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Copper - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Copper - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Copper - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Copper - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Copper - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Copper - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Copper - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Copper - Dissolved mg/L	<0.001
PB3	19/05/2017	1231	ME1700709002	Copper - Dissolved mg/L	<0.001
PB3	22/06/2017	1113	ME1700866002	Copper - Dissolved mg/L	<0.001
PB3	24/07/2017	1158	ME1701008002	Copper - Dissolved mg/L	<0.001
PB3	17/08/2017	1222	ME1701130002	Copper - Dissolved mg/L	<0.001
PB3	18/09/2017	1240	ME1701275002	Copper - Dissolved mg/L	<0.001
PB3	16/10/2017	1253	ME1701413002	Copper - Dissolved mg/L	<0.001
PB3	21/11/2017	1308	ME1701588002	Copper - Dissolved mg/L	<0.001
PB3	21/12/2017	1050	ME1701771002	Copper - Dissolved mg/L	<0.001
PB3	11/01/2018	1248	ME1800056002	Copper - Dissolved mg/L	<0.001
PB3	19/02/2018	1237	ME1800240002	Copper - Dissolved mg/L	<0.001
PB3	21/03/2018	1201	ME1800392002	Copper - Dissolved mg/L	<0.001
PB3	26/04/2018	1232	ME1800548002	Copper - Dissolved mg/L	<0.001

PB3	22/05/2018	1216	ME1800676002	Copper - Dissolved mg/L	<0.001
PB3	20/06/2018	1117	ME1800816002	Copper - Dissolved mg/L	<0.001
PB3	20/07/2018	1135	ME1800947002	Copper - Dissolved mg/L	<0.001
PB3	10/08/2018	1208	ME1801055002	Copper - Dissolved mg/L	<0.001
PB3	17/09/2018	1152	ME1801223002	Copper - Dissolved mg/L	0.002
PB3	23/10/2018	1310	ME1801391002	Copper - Dissolved mg/L	<0.001
PB3	22/11/2018	1059	ME1801533002	Copper - Dissolved mg/L	<0.001
PB3	18/12/2018	1202	ME1801653002	Copper - Dissolved mg/L	<0.001
PB3	14/01/2019	1324	ME1900052002	Copper - Dissolved mg/L	0.001
PB3	21/02/2019	1239	ME1900241002	Copper - Dissolved mg/L	<0.001
PB3	18/03/2019	1226	ME1900366002	Copper - Dissolved mg/L	<0.001
PB3	15/04/2019	1134	ME1900507002	Copper - Dissolved mg/L	<0.001
PB3	21/05/2019	1218	ME1900651002	Copper - Dissolved mg/L	<0.001
PB3	13/06/2019	1203	ME1900760002	Copper - Dissolved mg/L	<0.001
PB3	15/07/2019	1023	ME1900896002	Copper - Dissolved mg/L	<0.001
PB3	20/08/2019	1210	ME1901071002	Copper - Dissolved mg/L	<0.001
PB3	16/09/2019	1408	ME1901212002	Copper - Dissolved mg/L	<0.001
PB3	24/10/2019	1137	ME1901416002	Copper - Dissolved mg/L	<0.001
PB3	18/11/2019	1207	ME1901522002	Copper - Dissolved mg/L	<0.001
PB3	17/12/2019	1241	ME1901703002	Copper - Dissolved mg/L	<0.001
PB3	23/01/2020	1050	ME2000111002	Copper - Dissolved mg/L	<0.001
PB3	12/02/2020	1200	ME2000226002	Copper - Dissolved mg/L	<0.001
PB3	18/03/2020	1224	ME2000433002	Copper - Dissolved mg/L	<0.001
PB3	21/04/2020	1209	ME2000603002	Copper - Dissolved mg/L	<0.001
PB3	17/12/2015	1220	ME1510975002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	20/01/2016	1219	ME1600097002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	25/02/2016	1214	ME1600272002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/03/2016	1158	ME1600392002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	06/04/2016	1218	ME1600471002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	20/05/2016	1103	ME1600692002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	17/06/2016	1127	ME1600840002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	22/07/2016	1135	ME1601029002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	24/08/2016	1207	ME1601180002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	06/09/2016	1208	ME1601240002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	27/10/2016	1140	ME1601510002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	22/11/2016	1213	ME1601646002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/12/2016	1142	ME1601801002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/12/2016	1142	ME1601801002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	25/01/2017	1101	ME1700124002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	25/01/2017	1101	ME1700124002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/02/2017	1157	ME1700243002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/02/2017	1157	ME1700243002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	22/03/2017	1415	ME1700413002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	22/03/2017	1415	ME1700413002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	26/04/2017	1128	ME1700582002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	26/04/2017	1128	ME1700582002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	19/05/2017	1231	ME1700709002	Hydroxide Alkalinity as CaCO3 mg/L	<1

PB3	22/06/2017	1113	ME1700866002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	24/07/2017	1158	ME1701008002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	17/08/2017	1222	ME1701130002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	18/09/2017	1240	ME1701275002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	16/10/2017	1253	ME1701413002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/11/2017	1308	ME1701588002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/12/2017	1050	ME1701771002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	11/01/2018	1248	ME1800056002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	19/02/2018	1237	ME1800240002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/03/2018	1201	ME1800392002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	26/04/2018	1232	ME1800548002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	22/05/2018	1216	ME1800676002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	20/06/2018	1117	ME1800816002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	20/07/2018	1135	ME1800947002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	10/08/2018	1208	ME1801055002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	17/09/2018	1152	ME1801223002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	23/10/2018	1310	ME1801391002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	22/11/2018	1059	ME1801533002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	18/12/2018	1202	ME1801653002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	14/01/2019	1324	ME1900052002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/02/2019	1239	ME1900241002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	18/03/2019	1226	ME1900366002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	15/04/2019	1134	ME1900507002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/05/2019	1218	ME1900651002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	13/06/2019	1203	ME1900760002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	15/07/2019	1023	ME1900896002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	20/08/2019	1210	ME1901071002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	16/09/2019	1408	ME1901212002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	24/10/2019	1137	ME1901416002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	18/11/2019	1207	ME1901522002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	17/12/2019	1241	ME1901703002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	23/01/2020	1050	ME2000111002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	12/02/2020	1200	ME2000226002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	18/03/2020	1224	ME2000433002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	21/04/2020	1209	ME2000603002	Hydroxide Alkalinity as CaCO3 mg/L	<1
PB3	17/12/2015	1220	ME1510975002	Ionic Balance %	7.17
PB3	20/01/2016	1219	ME1600097002	Ionic Balance %	5.15
PB3	25/02/2016	1214	ME1600272002	Ionic Balance %	9.83
PB3	21/03/2016	1158	ME1600392002	Ionic Balance %	3.83
PB3	06/04/2016	1218	ME1600471002	Ionic Balance %	2.71
PB3	20/05/2016	1103	ME1600692002	Ionic Balance %	6.45
PB3	17/06/2016	1127	ME1600840002	Ionic Balance %	8.2
PB3	22/07/2016	1135	ME1601029002	Ionic Balance %	1.39
PB3	24/08/2016	1207	ME1601180002	Ionic Balance %	5.46
PB3	06/09/2016	1208	ME1601240002	Ionic Balance %	7.13
PB3	27/10/2016	1140	ME1601510002	Ionic Balance %	5.8
PB3	22/11/2016	1213	ME1601646002	Ionic Balance %	1.58

PB3	21/12/2016	1142	ME1601801002	Ionic Balance %	8.51
PB3	25/01/2017	1101	ME1700124002	Ionic Balance %	0.95
PB3	21/02/2017	1157	ME1700243002	Ionic Balance %	0.82
PB3	22/03/2017	1415	ME1700413002	Ionic Balance %	0.16
PB3	26/04/2017	1128	ME1700582002	Ionic Balance %	5.69
PB3	26/04/2017	1128	ME1700582002	Ionic Balance %	5.69
PB3	19/05/2017	1231	ME1700709002	Ionic Balance %	1.92
PB3	22/06/2017	1113	ME1700866002	Ionic Balance %	4.02
PB3	24/07/2017	1158	ME1701008002	Ionic Balance %	3.92
PB3	17/08/2017	1222	ME1701130002	Ionic Balance %	0.3
PB3	18/09/2017	1240	ME1701275002	Ionic Balance %	1.26
PB3	16/10/2017	1253	ME1701413002	Ionic Balance %	1.24
PB3	21/11/2017	1308	ME1701588002	Ionic Balance %	3.4
PB3	21/12/2017	1050	ME1701771002	Ionic Balance %	6.8
PB3	11/01/2018	1248	ME1800056002	Ionic Balance %	5.34
PB3	19/02/2018	1237	ME1800240002	Ionic Balance %	4
PB3	21/03/2018	1201	ME1800392002	Ionic Balance %	6.34
PB3	26/04/2018	1232	ME1800548002	Ionic Balance %	6.18
PB3	22/05/2018	1216	ME1800676002	Ionic Balance %	10.4
PB3	20/06/2018	1117	ME1800816002	Ionic Balance %	4.08
PB3	20/07/2018	1135	ME1800947002	Ionic Balance %	0.99
PB3	10/08/2018	1208	ME1801055002	Ionic Balance %	3.21
PB3	17/09/2018	1152	ME1801223002	Ionic Balance %	3.9
PB3	23/10/2018	1310	ME1801391002	Ionic Balance %	5.33
PB3	22/11/2018	1059	ME1801533002	Ionic Balance %	8.74
PB3	18/12/2018	1202	ME1801653002	Ionic Balance %	2.4
PB3	14/01/2019	1324	ME1900052002	Ionic Balance %	2.09
PB3	21/02/2019	1239	ME1900241002	Ionic Balance %	7.19
PB3	18/03/2019	1226	ME1900366002	Ionic Balance %	5.81
PB3	15/04/2019	1134	ME1900507002	Ionic Balance %	6.56
PB3	21/05/2019	1218	ME1900651002	Ionic Balance %	1.17
PB3	13/06/2019	1203	ME1900760002	Ionic Balance %	3.43
PB3	15/07/2019	1023	ME1900896002	Ionic Balance %	3.06
PB3	20/08/2019	1210	ME1901071002	Ionic Balance %	3.95
PB3	16/09/2019	1408	ME1901212002	Ionic Balance %	7.48
PB3	24/10/2019	1137	ME1901416002	Ionic Balance %	5.74
PB3	18/11/2019	1207	ME1901522002	Ionic Balance %	6.9
PB3	17/12/2019	1241	ME1901703002	Ionic Balance %	2.34
PB3	23/01/2020	1050	ME2000111002	Ionic Balance %	5.11
PB3	12/02/2020	1200	ME2000226002	Ionic Balance %	5.52
PB3	18/03/2020	1224	ME2000433002	Ionic Balance %	4.8
PB3	21/04/2020	1209	ME2000603002	Ionic Balance %	5.2
PB3	17/12/2015	1220	ME1510975002	Lead - Dissolved mg/L	<0.001
PB3	20/01/2016	1219	ME1600097002	Lead - Dissolved mg/L	<0.001
PB3	25/02/2016	1214	ME1600272002	Lead - Dissolved mg/L	<0.001
PB3	21/03/2016	1158	ME1600392002	Lead - Dissolved mg/L	<0.001
PB3	06/04/2016	1218	ME1600471002	Lead - Dissolved mg/L	<0.001

PB3	20/05/2016	1103	ME1600692002	Lead - Dissolved mg/L	<0.001
PB3	17/06/2016	1127	ME1600840002	Lead - Dissolved mg/L	<0.001
PB3	22/07/2016	1135	ME1601029002	Lead - Dissolved mg/L	<0.001
PB3	24/08/2016	1207	ME1601180002	Lead - Dissolved mg/L	<0.001
PB3	06/09/2016	1208	ME1601240002	Lead - Dissolved mg/L	<0.001
PB3	27/10/2016	1140	ME1601510002	Lead - Dissolved mg/L	<0.001
PB3	22/11/2016	1213	ME1601646002	Lead - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Lead - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Lead - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Lead - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Lead - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Lead - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Lead - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Lead - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Lead - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Lead - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Lead - Dissolved mg/L	<0.001
PB3	19/05/2017	1231	ME1700709002	Lead - Dissolved mg/L	<0.001
PB3	22/06/2017	1113	ME1700866002	Lead - Dissolved mg/L	<0.001
PB3	24/07/2017	1158	ME1701008002	Lead - Dissolved mg/L	<0.001
PB3	17/08/2017	1222	ME1701130002	Lead - Dissolved mg/L	<0.001
PB3	18/09/2017	1240	ME1701275002	Lead - Dissolved mg/L	<0.001
PB3	16/10/2017	1253	ME1701413002	Lead - Dissolved mg/L	<0.001
PB3	21/11/2017	1308	ME1701588002	Lead - Dissolved mg/L	<0.001
PB3	21/12/2017	1050	ME1701771002	Lead - Dissolved mg/L	<0.001
PB3	11/01/2018	1248	ME1800056002	Lead - Dissolved mg/L	<0.001
PB3	19/02/2018	1237	ME1800240002	Lead - Dissolved mg/L	<0.001
PB3	21/03/2018	1201	ME1800392002	Lead - Dissolved mg/L	<0.001
PB3	26/04/2018	1232	ME1800548002	Lead - Dissolved mg/L	<0.001
PB3	22/05/2018	1216	ME1800676002	Lead - Dissolved mg/L	<0.001
PB3	20/06/2018	1117	ME1800816002	Lead - Dissolved mg/L	<0.001
PB3	20/07/2018	1135	ME1800947002	Lead - Dissolved mg/L	<0.001
PB3	10/08/2018	1208	ME1801055002	Lead - Dissolved mg/L	<0.001
PB3	17/09/2018	1152	ME1801223002	Lead - Dissolved mg/L	<0.001
PB3	23/10/2018	1310	ME1801391002	Lead - Dissolved mg/L	<0.001
PB3	22/11/2018	1059	ME1801533002	Lead - Dissolved mg/L	<0.001
PB3	18/12/2018	1202	ME1801653002	Lead - Dissolved mg/L	<0.001
PB3	14/01/2019	1324	ME1900052002	Lead - Dissolved mg/L	<0.001
PB3	21/02/2019	1239	ME1900241002	Lead - Dissolved mg/L	<0.001
PB3	18/03/2019	1226	ME1900366002	Lead - Dissolved mg/L	<0.001
PB3	15/04/2019	1134	ME1900507002	Lead - Dissolved mg/L	<0.001
PB3	21/05/2019	1218	ME1900651002	Lead - Dissolved mg/L	<0.001
PB3	13/06/2019	1203	ME1900760002	Lead - Dissolved mg/L	<0.001
PB3	15/07/2019	1023	ME1900896002	Lead - Dissolved mg/L	<0.001
PB3	20/08/2019	1210	ME1901071002	Lead - Dissolved mg/L	<0.001
PB3	16/09/2019	1408	ME1901212002	Lead - Dissolved mg/L	<0.001
PB3	24/10/2019	1137	ME1901416002	Lead - Dissolved mg/L	<0.001

PB3	18/11/2019	1207	ME1901522002	Lead - Dissolved mg/L	<0.001
PB3	17/12/2019	1241	ME1901703002	Lead - Dissolved mg/L	<0.001
PB3	23/01/2020	1050	ME2000111002	Lead - Dissolved mg/L	<0.001
PB3	12/02/2020	1200	ME2000226002	Lead - Dissolved mg/L	<0.001
PB3	18/03/2020	1224	ME2000433002	Lead - Dissolved mg/L	<0.001
PB3	21/04/2020	1209	ME2000603002	Lead - Dissolved mg/L	<0.001
PB3	17/12/2015	1220	ME1510975002	Magnesium - Dissolved mg/L	334
PB3	20/01/2016	1219	ME1600097002	Magnesium - Dissolved mg/L	351
PB3	25/02/2016	1214	ME1600272002	Magnesium - Dissolved mg/L	378
PB3	21/03/2016	1158	ME1600392002	Magnesium - Dissolved mg/L	367
PB3	06/04/2016	1218	ME1600471002	Magnesium - Dissolved mg/L	365
PB3	20/05/2016	1103	ME1600692002	Magnesium - Dissolved mg/L	304
PB3	17/06/2016	1127	ME1600840002	Magnesium - Dissolved mg/L	315
PB3	22/07/2016	1135	ME1601029002	Magnesium - Dissolved mg/L	296
PB3	24/08/2016	1207	ME1601180002	Magnesium - Dissolved mg/L	311
PB3	06/09/2016	1208	ME1601240002	Magnesium - Dissolved mg/L	294
PB3	27/10/2016	1140	ME1601510002	Magnesium - Dissolved mg/L	296
PB3	22/11/2016	1213	ME1601646002	Magnesium - Dissolved mg/L	305
PB3	21/12/2016	1142	ME1601801002	Magnesium - Dissolved mg/L	286
PB3	21/12/2016	1142	ME1601801002	Magnesium - Dissolved mg/L	286
PB3	25/01/2017	1101	ME1700124002	Magnesium - Dissolved mg/L	336
PB3	25/01/2017	1101	ME1700124002	Magnesium - Dissolved mg/L	336
PB3	21/02/2017	1157	ME1700243002	Magnesium - Dissolved mg/L	310
PB3	21/02/2017	1157	ME1700243002	Magnesium - Dissolved mg/L	310
PB3	22/03/2017	1415	ME1700413002	Magnesium - Dissolved mg/L	319
PB3	22/03/2017	1415	ME1700413002	Magnesium - Dissolved mg/L	319
PB3	26/04/2017	1128	ME1700582002	Magnesium - Dissolved mg/L	294
PB3	26/04/2017	1128	ME1700582002	Magnesium - Dissolved mg/L	294
PB3	19/05/2017	1231	ME1700709002	Magnesium - Dissolved mg/L	315
PB3	22/06/2017	1113	ME1700866002	Magnesium - Dissolved mg/L	298
PB3	24/07/2017	1158	ME1701008002	Magnesium - Dissolved mg/L	308
PB3	17/08/2017	1222	ME1701130002	Magnesium - Dissolved mg/L	299
PB3	18/09/2017	1240	ME1701275002	Magnesium - Dissolved mg/L	295
PB3	16/10/2017	1253	ME1701413002	Magnesium - Dissolved mg/L	309
PB3	21/11/2017	1308	ME1701588002	Magnesium - Dissolved mg/L	316
PB3	21/12/2017	1050	ME1701771002	Magnesium - Dissolved mg/L	287
PB3	11/01/2018	1248	ME1800056002	Magnesium - Dissolved mg/L	271
PB3	19/02/2018	1237	ME1800240002	Magnesium - Dissolved mg/L	291
PB3	21/03/2018	1201	ME1800392002	Magnesium - Dissolved mg/L	268
PB3	26/04/2018	1232	ME1800548002	Magnesium - Dissolved mg/L	275
PB3	22/05/2018	1216	ME1800676002	Magnesium - Dissolved mg/L	261
PB3	20/06/2018	1117	ME1800816002	Magnesium - Dissolved mg/L	278
PB3	20/07/2018	1135	ME1800947002	Magnesium - Dissolved mg/L	299
PB3	10/08/2018	1208	ME1801055002	Magnesium - Dissolved mg/L	282
PB3	17/09/2018	1152	ME1801223002	Magnesium - Dissolved mg/L	271
PB3	23/10/2018	1310	ME1801391002	Magnesium - Dissolved mg/L	271
PB3	22/11/2018	1059	ME1801533002	Magnesium - Dissolved mg/L	272

PB3	18/12/2018	1202	ME1801653002	Magnesium - Dissolved mg/L	270
PB3	14/01/2019	1324	ME1900052002	Magnesium - Dissolved mg/L	276
PB3	21/02/2019	1239	ME1900241002	Magnesium - Dissolved mg/L	277
PB3	18/03/2019	1226	ME1900366002	Magnesium - Dissolved mg/L	271
PB3	15/04/2019	1134	ME1900507002	Magnesium - Dissolved mg/L	291
PB3	21/05/2019	1218	ME1900651002	Magnesium - Dissolved mg/L	269
PB3	13/06/2019	1203	ME1900760002	Magnesium - Dissolved mg/L	274
PB3	15/07/2019	1023	ME1900896002	Magnesium - Dissolved mg/L	276
PB3	20/08/2019	1210	ME1901071002	Magnesium - Dissolved mg/L	294
PB3	16/09/2019	1408	ME1901212002	Magnesium - Dissolved mg/L	280
PB3	24/10/2019	1137	ME1901416002	Magnesium - Dissolved mg/L	261
PB3	18/11/2019	1207	ME1901522002	Magnesium - Dissolved mg/L	297
PB3	17/12/2019	1241	ME1901703002	Magnesium - Dissolved mg/L	282
PB3	23/01/2020	1050	ME2000111002	Magnesium - Dissolved mg/L	280
PB3	12/02/2020	1200	ME2000226002	Magnesium - Dissolved mg/L	274
PB3	18/03/2020	1224	ME2000433002	Magnesium - Dissolved mg/L	272
PB3	21/04/2020	1209	ME2000603002	Magnesium - Dissolved mg/L	280
PB3	17/12/2015	1220	ME1510975002	Manganese - Dissolved mg/L	23.3
PB3	20/01/2016	1219	ME1600097002	Manganese - Dissolved mg/L	23
PB3	25/02/2016	1214	ME1600272002	Manganese - Dissolved mg/L	23.2
PB3	21/03/2016	1158	ME1600392002	Manganese - Dissolved mg/L	20.8
PB3	06/04/2016	1218	ME1600471002	Manganese - Dissolved mg/L	24.9
PB3	20/05/2016	1103	ME1600692002	Manganese - Dissolved mg/L	18.8
PB3	17/06/2016	1127	ME1600840002	Manganese - Dissolved mg/L	15.2
PB3	22/07/2016	1135	ME1601029002	Manganese - Dissolved mg/L	16.5
PB3	24/08/2016	1207	ME1601180002	Manganese - Dissolved mg/L	14.9
PB3	06/09/2016	1208	ME1601240002	Manganese - Dissolved mg/L	13.5
PB3	27/10/2016	1140	ME1601510002	Manganese - Dissolved mg/L	15.2
PB3	22/11/2016	1213	ME1601646002	Manganese - Dissolved mg/L	13.3
PB3	21/12/2016	1142	ME1601801002	Manganese - Dissolved mg/L	11.8
PB3	21/12/2016	1142	ME1601801002	Manganese - Dissolved mg/L	11.8
PB3	25/01/2017	1101	ME1700124002	Manganese - Dissolved mg/L	14.4
PB3	25/01/2017	1101	ME1700124002	Manganese - Dissolved mg/L	14.4
PB3	21/02/2017	1157	ME1700243002	Manganese - Dissolved mg/L	14.2
PB3	21/02/2017	1157	ME1700243002	Manganese - Dissolved mg/L	14.2
PB3	22/03/2017	1415	ME1700413002	Manganese - Dissolved mg/L	13.3
PB3	22/03/2017	1415	ME1700413002	Manganese - Dissolved mg/L	13.3
PB3	26/04/2017	1128	ME1700582002	Manganese - Dissolved mg/L	14.6
PB3	26/04/2017	1128	ME1700582002	Manganese - Dissolved mg/L	14.6
PB3	19/05/2017	1231	ME1700709002	Manganese - Dissolved mg/L	13.5
PB3	22/06/2017	1113	ME1700866002	Manganese - Dissolved mg/L	13.5
PB3	24/07/2017	1158	ME1701008002	Manganese - Dissolved mg/L	14
PB3	17/08/2017	1222	ME1701130002	Manganese - Dissolved mg/L	12.5
PB3	18/09/2017	1240	ME1701275002	Manganese - Dissolved mg/L	11.7
PB3	16/10/2017	1253	ME1701413002	Manganese - Dissolved mg/L	11.6
PB3	21/11/2017	1308	ME1701588002	Manganese - Dissolved mg/L	11.7
PB3	21/12/2017	1050	ME1701771002	Manganese - Dissolved mg/L	9.45

PB3	11/01/2018	1248	ME1800056002	Manganese - Dissolved mg/L	8.8
PB3	19/02/2018	1237	ME1800240002	Manganese - Dissolved mg/L	9.58
PB3	21/03/2018	1201	ME1800392002	Manganese - Dissolved mg/L	10.4
PB3	26/04/2018	1232	ME1800548002	Manganese - Dissolved mg/L	9.46
PB3	22/05/2018	1216	ME1800676002	Manganese - Dissolved mg/L	9.9
PB3	20/06/2018	1117	ME1800816002	Manganese - Dissolved mg/L	9.61
PB3	20/07/2018	1135	ME1800947002	Manganese - Dissolved mg/L	9.6
PB3	10/08/2018	1208	ME1801055002	Manganese - Dissolved mg/L	9.55
PB3	17/09/2018	1152	ME1801223002	Manganese - Dissolved mg/L	9.34
PB3	23/10/2018	1310	ME1801391002	Manganese - Dissolved mg/L	8.49
PB3	22/11/2018	1059	ME1801533002	Manganese - Dissolved mg/L	8.49
PB3	18/12/2018	1202	ME1801653002	Manganese - Dissolved mg/L	7.7
PB3	14/01/2019	1324	ME1900052002	Manganese - Dissolved mg/L	7.26
PB3	21/02/2019	1239	ME1900241002	Manganese - Dissolved mg/L	7.63
PB3	18/03/2019	1226	ME1900366002	Manganese - Dissolved mg/L	7.51
PB3	15/04/2019	1134	ME1900507002	Manganese - Dissolved mg/L	7.7
PB3	21/05/2019	1218	ME1900651002	Manganese - Dissolved mg/L	7.08
PB3	13/06/2019	1203	ME1900760002	Manganese - Dissolved mg/L	7.84
PB3	15/07/2019	1023	ME1900896002	Manganese - Dissolved mg/L	8.45
PB3	20/08/2019	1210	ME1901071002	Manganese - Dissolved mg/L	9.42
PB3	16/09/2019	1408	ME1901212002	Manganese - Dissolved mg/L	7.84
PB3	24/10/2019	1137	ME1901416002	Manganese - Dissolved mg/L	7.93
PB3	18/11/2019	1207	ME1901522002	Manganese - Dissolved mg/L	7.5
PB3	17/12/2019	1241	ME1901703002	Manganese - Dissolved mg/L	7.48
PB3	23/01/2020	1050	ME2000111002	Manganese - Dissolved mg/L	7.98
PB3	12/02/2020	1200	ME2000226002	Manganese - Dissolved mg/L	7.88
PB3	18/03/2020	1224	ME2000433002	Manganese - Dissolved mg/L	7.49
PB3	21/04/2020	1209	ME2000603002	Manganese - Dissolved mg/L	5.92
PB3	17/12/2015	1220	ME1510975002	Mercury - Dissolved mg/L	<0.0001
PB3	20/01/2016	1219	ME1600097002	Mercury - Dissolved mg/L	<0.0001
PB3	25/02/2016	1214	ME1600272002	Mercury - Dissolved mg/L	<0.0001
PB3	21/03/2016	1158	ME1600392002	Mercury - Dissolved mg/L	<0.0001
PB3	06/04/2016	1218	ME1600471002	Mercury - Dissolved mg/L	<0.0001
PB3	20/05/2016	1103	ME1600692002	Mercury - Dissolved mg/L	<0.0001
PB3	17/06/2016	1127	ME1600840002	Mercury - Dissolved mg/L	<0.0001
PB3	22/07/2016	1135	ME1601029002	Mercury - Dissolved mg/L	<0.0001
PB3	24/08/2016	1207	ME1601180002	Mercury - Dissolved mg/L	<0.0001
PB3	06/09/2016	1208	ME1601240002	Mercury - Dissolved mg/L	<0.0001
PB3	27/10/2016	1140	ME1601510002	Mercury - Dissolved mg/L	<0.0001
PB3	22/11/2016	1213	ME1601646002	Mercury - Dissolved mg/L	<0.0001
PB3	21/12/2016	1142	ME1601801002	Mercury - Dissolved mg/L	<0.0001
PB3	21/12/2016	1142	ME1601801002	Mercury - Dissolved mg/L	<0.0001
PB3	25/01/2017	1101	ME1700124002	Mercury - Dissolved mg/L	<0.0001
PB3	25/01/2017	1101	ME1700124002	Mercury - Dissolved mg/L	<0.0001
PB3	21/02/2017	1157	ME1700243002	Mercury - Dissolved mg/L	<0.0001
PB3	21/02/2017	1157	ME1700243002	Mercury - Dissolved mg/L	<0.0001
PB3	22/03/2017	1415	ME1700413002	Mercury - Dissolved mg/L	<0.0001

PB3	22/03/2017	1415	ME1700413002	Mercury - Dissolved mg/L	<0.0001
PB3	26/04/2017	1128	ME1700582002	Mercury - Dissolved mg/L	<0.0001
PB3	26/04/2017	1128	ME1700582002	Mercury - Dissolved mg/L	<0.0001
PB3	19/05/2017	1231	ME1700709002	Mercury - Dissolved mg/L	<0.0001
PB3	22/06/2017	1113	ME1700866002	Mercury - Dissolved mg/L	<0.0001
PB3	24/07/2017	1158	ME1701008002	Mercury - Dissolved mg/L	<0.0001
PB3	17/08/2017	1222	ME1701130002	Mercury - Dissolved mg/L	<0.0001
PB3	18/09/2017	1240	ME1701275002	Mercury - Dissolved mg/L	<0.0001
PB3	16/10/2017	1253	ME1701413002	Mercury - Dissolved mg/L	<0.0001
PB3	21/11/2017	1308	ME1701588002	Mercury - Dissolved mg/L	<0.0001
PB3	21/12/2017	1050	ME1701771002	Mercury - Dissolved mg/L	<0.0001
PB3	11/01/2018	1248	ME1800056002	Mercury - Dissolved mg/L	<0.0001
PB3	19/02/2018	1237	ME1800240002	Mercury - Dissolved mg/L	<0.0001
PB3	21/03/2018	1201	ME1800392002	Mercury - Dissolved mg/L	<0.0001
PB3	26/04/2018	1232	ME1800548002	Mercury - Dissolved mg/L	<0.0001
PB3	22/05/2018	1216	ME1800676002	Mercury - Dissolved mg/L	<0.0001
PB3	20/06/2018	1117	ME1800816002	Mercury - Dissolved mg/L	<0.0001
PB3	20/07/2018	1135	ME1800947002	Mercury - Dissolved mg/L	<0.0001
PB3	10/08/2018	1208	ME1801055002	Mercury - Dissolved mg/L	<0.0001
PB3	17/09/2018	1152	ME1801223002	Mercury - Dissolved mg/L	<0.0001
PB3	23/10/2018	1310	ME1801391002	Mercury - Dissolved mg/L	<0.0001
PB3	22/11/2018	1059	ME1801533002	Mercury - Dissolved mg/L	<0.0001
PB3	18/12/2018	1202	ME1801653002	Mercury - Dissolved mg/L	<0.0001
PB3	14/01/2019	1324	ME1900052002	Mercury - Dissolved mg/L	<0.0001
PB3	21/02/2019	1239	ME1900241002	Mercury - Dissolved mg/L	<0.0001
PB3	18/03/2019	1226	ME1900366002	Mercury - Dissolved mg/L	<0.0001
PB3	15/04/2019	1134	ME1900507002	Mercury - Dissolved mg/L	<0.0001
PB3	21/05/2019	1218	ME1900651002	Mercury - Dissolved mg/L	<0.0001
PB3	13/06/2019	1203	ME1900760002	Mercury - Dissolved mg/L	<0.0001
PB3	15/07/2019	1023	ME1900896002	Mercury - Dissolved mg/L	<0.0001
PB3	20/08/2019	1210	ME1901071002	Mercury - Dissolved mg/L	<0.0001
PB3	16/09/2019	1408	ME1901212002	Mercury - Dissolved mg/L	<0.0001
PB3	24/10/2019	1137	ME1901416002	Mercury - Dissolved mg/L	<0.0001
PB3	18/11/2019	1207	ME1901522002	Mercury - Dissolved mg/L	<0.0001
PB3	17/12/2019	1241	ME1901703002	Mercury - Dissolved mg/L	<0.0001
PB3	23/01/2020	1050	ME2000111002	Mercury - Dissolved mg/L	<0.0001
PB3	12/02/2020	1200	ME2000226002	Mercury - Dissolved mg/L	<0.0001
PB3	18/03/2020	1224	ME2000433002	Mercury - Dissolved mg/L	<0.0001
PB3	21/04/2020	1209	ME2000603002	Mercury - Dissolved mg/L	<0.0001
PB3	17/12/2015	1220	ME1510975002	Nickel - Dissolved mg/L	0.388
PB3	20/01/2016	1219	ME1600097002	Nickel - Dissolved mg/L	0.398
PB3	25/02/2016	1214	ME1600272002	Nickel - Dissolved mg/L	0.423
PB3	21/03/2016	1158	ME1600392002	Nickel - Dissolved mg/L	0.371
PB3	06/04/2016	1218	ME1600471002	Nickel - Dissolved mg/L	0.433
PB3	20/05/2016	1103	ME1600692002	Nickel - Dissolved mg/L	0.318
PB3	17/06/2016	1127	ME1600840002	Nickel - Dissolved mg/L	0.241
PB3	22/07/2016	1135	ME1601029002	Nickel - Dissolved mg/L	0.234

PB3	24/08/2016	1207	ME1601180002	Nickel - Dissolved mg/L	0.234
PB3	06/09/2016	1208	ME1601240002	Nickel - Dissolved mg/L	0.225
PB3	27/10/2016	1140	ME1601510002	Nickel - Dissolved mg/L	0.23
PB3	22/11/2016	1213	ME1601646002	Nickel - Dissolved mg/L	0.23
PB3	21/12/2016	1142	ME1601801002	Nickel - Dissolved mg/L	0.229
PB3	21/12/2016	1142	ME1601801002	Nickel - Dissolved mg/L	0.229
PB3	25/01/2017	1101	ME1700124002	Nickel - Dissolved mg/L	0.243
PB3	25/01/2017	1101	ME1700124002	Nickel - Dissolved mg/L	0.243
PB3	21/02/2017	1157	ME1700243002	Nickel - Dissolved mg/L	0.24
PB3	21/02/2017	1157	ME1700243002	Nickel - Dissolved mg/L	0.24
PB3	22/03/2017	1415	ME1700413002	Nickel - Dissolved mg/L	0.227
PB3	22/03/2017	1415	ME1700413002	Nickel - Dissolved mg/L	0.227
PB3	26/04/2017	1128	ME1700582002	Nickel - Dissolved mg/L	0.213
PB3	26/04/2017	1128	ME1700582002	Nickel - Dissolved mg/L	0.213
PB3	19/05/2017	1231	ME1700709002	Nickel - Dissolved mg/L	0.217
PB3	22/06/2017	1113	ME1700866002	Nickel - Dissolved mg/L	0.227
PB3	24/07/2017	1158	ME1701008002	Nickel - Dissolved mg/L	0.232
PB3	17/08/2017	1222	ME1701130002	Nickel - Dissolved mg/L	0.223
PB3	18/09/2017	1240	ME1701275002	Nickel - Dissolved mg/L	0.194
PB3	16/10/2017	1253	ME1701413002	Nickel - Dissolved mg/L	0.179
PB3	21/11/2017	1308	ME1701588002	Nickel - Dissolved mg/L	0.172
PB3	21/12/2017	1050	ME1701771002	Nickel - Dissolved mg/L	0.134
PB3	11/01/2018	1248	ME1800056002	Nickel - Dissolved mg/L	0.115
PB3	19/02/2018	1237	ME1800240002	Nickel - Dissolved mg/L	0.126
PB3	21/03/2018	1201	ME1800392002	Nickel - Dissolved mg/L	0.111
PB3	26/04/2018	1232	ME1800548002	Nickel - Dissolved mg/L	0.123
PB3	22/05/2018	1216	ME1800676002	Nickel - Dissolved mg/L	0.108
PB3	20/06/2018	1117	ME1800816002	Nickel - Dissolved mg/L	0.107
PB3	20/07/2018	1135	ME1800947002	Nickel - Dissolved mg/L	0.116
PB3	10/08/2018	1208	ME1801055002	Nickel - Dissolved mg/L	0.102
PB3	17/09/2018	1152	ME1801223002	Nickel - Dissolved mg/L	0.089
PB3	23/10/2018	1310	ME1801391002	Nickel - Dissolved mg/L	0.091
PB3	22/11/2018	1059	ME1801533002	Nickel - Dissolved mg/L	0.086
PB3	18/12/2018	1202	ME1801653002	Nickel - Dissolved mg/L	0.086
PB3	14/01/2019	1324	ME1900052002	Nickel - Dissolved mg/L	0.078
PB3	21/02/2019	1239	ME1900241002	Nickel - Dissolved mg/L	0.079
PB3	18/03/2019	1226	ME1900366002	Nickel - Dissolved mg/L	0.077
PB3	15/04/2019	1134	ME1900507002	Nickel - Dissolved mg/L	0.079
PB3	21/05/2019	1218	ME1900651002	Nickel - Dissolved mg/L	0.082
PB3	13/06/2019	1203	ME1900760002	Nickel - Dissolved mg/L	0.071
PB3	15/07/2019	1023	ME1900896002	Nickel - Dissolved mg/L	0.075
PB3	20/08/2019	1210	ME1901071002	Nickel - Dissolved mg/L	0.074
PB3	16/09/2019	1408	ME1901212002	Nickel - Dissolved mg/L	0.074
PB3	24/10/2019	1137	ME1901416002	Nickel - Dissolved mg/L	0.074
PB3	18/11/2019	1207	ME1901522002	Nickel - Dissolved mg/L	0.075
PB3	17/12/2019	1241	ME1901703002	Nickel - Dissolved mg/L	0.072
PB3	23/01/2020	1050	ME2000111002	Nickel - Dissolved mg/L	0.072

PB3	12/02/2020	1200	ME2000226002	Nickel - Dissolved mg/L	0.076
PB3	18/03/2020	1224	ME2000433002	Nickel - Dissolved mg/L	0.066
PB3	21/04/2020	1209	ME2000603002	Nickel - Dissolved mg/L	0.075
PB3	17/12/2015	1220	ME1510975002	Nitrate as N mg/L	<0.05
PB3	20/01/2016	1219	ME1600097002	Nitrate as N mg/L	<0.05
PB3	25/02/2016	1214	ME1600272002	Nitrate as N mg/L	<0.05
PB3	21/03/2016	1158	ME1600392002	Nitrate as N mg/L	0.04
PB3	06/04/2016	1218	ME1600471002	Nitrate as N mg/L	<0.05
PB3	20/05/2016	1103	ME1600692002	Nitrate as N mg/L	<0.01
PB3	17/06/2016	1127	ME1600840002	Nitrate as N mg/L	<0.01
PB3	22/07/2016	1135	ME1601029002	Nitrate as N mg/L	0.01
PB3	24/08/2016	1207	ME1601180002	Nitrate as N mg/L	<0.05
PB3	06/09/2016	1208	ME1601240002	Nitrate as N mg/L	<0.05
PB3	27/10/2016	1140	ME1601510002	Nitrate as N mg/L	0.01
PB3	22/11/2016	1213	ME1601646002	Nitrate as N mg/L	0.02
PB3	21/12/2016	1142	ME1601801002	Nitrate as N mg/L	0.03
PB3	21/12/2016	1142	ME1601801002	Nitrate as N mg/L	0.03
PB3	25/01/2017	1101	ME1700124002	Nitrate as N mg/L	0.03
PB3	25/01/2017	1101	ME1700124002	Nitrate as N mg/L	0.03
PB3	21/02/2017	1157	ME1700243002	Nitrate as N mg/L	<0.01
PB3	21/02/2017	1157	ME1700243002	Nitrate as N mg/L	<0.01
PB3	22/03/2017	1415	ME1700413002	Nitrate as N mg/L	0.04
PB3	22/03/2017	1415	ME1700413002	Nitrate as N mg/L	0.64
PB3	26/04/2017	1128	ME1700582002	Nitrate as N mg/L	0.07
PB3	26/04/2017	1128	ME1700582002	Nitrate as N mg/L	0.07
PB3	19/05/2017	1231	ME1700709002	Nitrate as N mg/L	<0.01
PB3	22/06/2017	1113	ME1700866002	Nitrate as N mg/L	0.04
PB3	24/07/2017	1158	ME1701008002	Nitrate as N mg/L	0.02
PB3	17/08/2017	1222	ME1701130002	Nitrate as N mg/L	<0.05
PB3	18/09/2017	1240	ME1701275002	Nitrate as N mg/L	<0.01
PB3	16/10/2017	1253	ME1701413002	Nitrate as N mg/L	<0.05
PB3	21/11/2017	1308	ME1701588002	Nitrate as N mg/L	<0.01
PB3	21/12/2017	1050	ME1701771002	Nitrate as N mg/L	<0.01
PB3	11/01/2018	1248	ME1800056002	Nitrate as N mg/L	0.02
PB3	19/02/2018	1237	ME1800240002	Nitrate as N mg/L	<0.01
PB3	21/03/2018	1201	ME1800392002	Nitrate as N mg/L	0.01
PB3	26/04/2018	1232	ME1800548002	Nitrate as N mg/L	<0.05
PB3	22/05/2018	1216	ME1800676002	Nitrate as N mg/L	<0.01
PB3	20/06/2018	1117	ME1800816002	Nitrate as N mg/L	0.01
PB3	20/07/2018	1135	ME1800947002	Nitrate as N mg/L	0.03
PB3	10/08/2018	1208	ME1801055002	Nitrate as N mg/L	<0.05
PB3	17/09/2018	1152	ME1801223002	Nitrate as N mg/L	<0.05
PB3	23/10/2018	1310	ME1801391002	Nitrate as N mg/L	0.02
PB3	22/11/2018	1059	ME1801533002	Nitrate as N mg/L	0.04
PB3	18/12/2018	1202	ME1801653002	Nitrate as N mg/L	0.02
PB3	14/01/2019	1324	ME1900052002	Nitrate as N mg/L	0.03
PB3	21/02/2019	1239	ME1900241002	Nitrate as N mg/L	0.03

PB3	18/03/2019	1226	ME1900366002	Nitrate as N mg/L	0.04
PB3	15/04/2019	1134	ME1900507002	Nitrate as N mg/L	0.04
PB3	21/05/2019	1218	ME1900651002	Nitrate as N mg/L	0.11
PB3	13/06/2019	1203	ME1900760002	Nitrate as N mg/L	<0.1
PB3	15/07/2019	1023	ME1900896002	Nitrate as N mg/L	0.1
PB3	20/08/2019	1210	ME1901071002	Nitrate as N mg/L	0.07
PB3	16/09/2019	1408	ME1901212002	Nitrate as N mg/L	0.07
PB3	24/10/2019	1137	ME1901416002	Nitrate as N mg/L	0.05
PB3	18/11/2019	1207	ME1901522002	Nitrate as N mg/L	0.05
PB3	17/12/2019	1241	ME1901703002	Nitrate as N mg/L	<0.1
PB3	23/01/2020	1050	ME2000111002	Nitrate as N mg/L	0.02
PB3	12/02/2020	1200	ME2000226002	Nitrate as N mg/L	0.06
PB3	18/03/2020	1224	ME2000433002	Nitrate as N mg/L	0.09
PB3	21/04/2020	1209	ME2000603002	Nitrate as N mg/L	0.09
PB3	17/12/2015	1220	ME1510975002	Nitrite + Nitrate as N mg/L	<0.05
PB3	20/01/2016	1219	ME1600097002	Nitrite + Nitrate as N mg/L	<0.05
PB3	25/02/2016	1214	ME1600272002	Nitrite + Nitrate as N mg/L	<0.05
PB3	21/03/2016	1158	ME1600392002	Nitrite + Nitrate as N mg/L	0.04
PB3	06/04/2016	1218	ME1600471002	Nitrite + Nitrate as N mg/L	<0.05
PB3	20/05/2016	1103	ME1600692002	Nitrite + Nitrate as N mg/L	<0.01
PB3	17/06/2016	1127	ME1600840002	Nitrite + Nitrate as N mg/L	<0.01
PB3	22/07/2016	1135	ME1601029002	Nitrite + Nitrate as N mg/L	0.01
PB3	24/08/2016	1207	ME1601180002	Nitrite + Nitrate as N mg/L	<0.05
PB3	06/09/2016	1208	ME1601240002	Nitrite + Nitrate as N mg/L	<0.05
PB3	27/10/2016	1140	ME1601510002	Nitrite + Nitrate as N mg/L	0.04
PB3	22/11/2016	1213	ME1601646002	Nitrite + Nitrate as N mg/L	0.02
PB3	21/12/2016	1142	ME1601801002	Nitrite + Nitrate as N mg/L	0.03
PB3	21/12/2016	1142	ME1601801002	Nitrite + Nitrate as N mg/L	0.03
PB3	25/01/2017	1101	ME1700124002	Nitrite + Nitrate as N mg/L	0.03
PB3	25/01/2017	1101	ME1700124002	Nitrite + Nitrate as N mg/L	0.03
PB3	21/02/2017	1157	ME1700243002	Nitrite + Nitrate as N mg/L	<0.01
PB3	21/02/2017	1157	ME1700243002	Nitrite + Nitrate as N mg/L	<0.01
PB3	22/03/2017	1415	ME1700413002	Nitrite + Nitrate as N mg/L	0.04
PB3	22/03/2017	1415	ME1700413002	Nitrite + Nitrate as N mg/L	0.04
PB3	26/04/2017	1128	ME1700582002	Nitrite + Nitrate as N mg/L	0.07
PB3	26/04/2017	1128	ME1700582002	Nitrite + Nitrate as N mg/L	0.07
PB3	19/05/2017	1231	ME1700709002	Nitrite + Nitrate as N mg/L	<0.01
PB3	22/06/2017	1113	ME1700866002	Nitrite + Nitrate as N mg/L	0.04
PB3	24/07/2017	1158	ME1701008002	Nitrite + Nitrate as N mg/L	0.02
PB3	17/08/2017	1222	ME1701130002	Nitrite + Nitrate as N mg/L	<0.05
PB3	18/09/2017	1240	ME1701275002	Nitrite + Nitrate as N mg/L	<0.01
PB3	16/10/2017	1253	ME1701413002	Nitrite + Nitrate as N mg/L	<0.05
PB3	21/11/2017	1308	ME1701588002	Nitrite + Nitrate as N mg/L	<0.01
PB3	21/12/2017	1050	ME1701771002	Nitrite + Nitrate as N mg/L	<0.01
PB3	11/01/2018	1248	ME1800056002	Nitrite + Nitrate as N mg/L	0.02
PB3	19/02/2018	1237	ME1800240002	Nitrite + Nitrate as N mg/L	<0.01
PB3	21/03/2018	1201	ME1800392002	Nitrite + Nitrate as N mg/L	0.02

PB3	26/04/2018	1232	ME1800548002	Nitrite + Nitrate as N mg/L	<0.05
PB3	22/05/2018	1216	ME1800676002	Nitrite + Nitrate as N mg/L	<0.01
PB3	20/06/2018	1117	ME1800816002	Nitrite + Nitrate as N mg/L	0.01
PB3	20/07/2018	1135	ME1800947002	Nitrite + Nitrate as N mg/L	0.03
PB3	10/08/2018	1208	ME1801055002	Nitrite + Nitrate as N mg/L	<0.05
PB3	17/09/2018	1152	ME1801223002	Nitrite + Nitrate as N mg/L	<0.05
PB3	23/10/2018	1310	ME1801391002	Nitrite + Nitrate as N mg/L	0.02
PB3	22/11/2018	1059	ME1801533002	Nitrite + Nitrate as N mg/L	0.04
PB3	18/12/2018	1202	ME1801653002	Nitrite + Nitrate as N mg/L	0.02
PB3	14/01/2019	1324	ME1900052002	Nitrite + Nitrate as N mg/L	0.03
PB3	21/02/2019	1239	ME1900241002	Nitrite + Nitrate as N mg/L	0.03
PB3	18/03/2019	1226	ME1900366002	Nitrite + Nitrate as N mg/L	0.04
PB3	15/04/2019	1134	ME1900507002	Nitrite + Nitrate as N mg/L	0.04
PB3	21/05/2019	1218	ME1900651002	Nitrite + Nitrate as N mg/L	0.11
PB3	13/06/2019	1203	ME1900760002	Nitrite + Nitrate as N mg/L	<0.1
PB3	15/07/2019	1023	ME1900896002	Nitrite + Nitrate as N mg/L	0.1
PB3	20/08/2019	1210	ME1901071002	Nitrite + Nitrate as N mg/L	0.07
PB3	16/09/2019	1408	ME1901212002	Nitrite + Nitrate as N mg/L	0.07
PB3	24/10/2019	1137	ME1901416002	Nitrite + Nitrate as N mg/L	0.05
PB3	18/11/2019	1207	ME1901522002	Nitrite + Nitrate as N mg/L	0.05
PB3	17/12/2019	1241	ME1901703002	Nitrite + Nitrate as N mg/L	<0.1
PB3	23/01/2020	1050	ME2000111002	Nitrite + Nitrate as N mg/L	0.02
PB3	12/02/2020	1200	ME2000226002	Nitrite + Nitrate as N mg/L	0.06
PB3	18/03/2020	1224	ME2000433002	Nitrite + Nitrate as N mg/L	0.09
PB3	21/04/2020	1209	ME2000603002	Nitrite + Nitrate as N mg/L	0.09
PB3	17/12/2015	1220	ME1510975002	Nitrite as N mg/L	<0.05
PB3	20/01/2016	1219	ME1600097002	Nitrite as N mg/L	<0.05
PB3	25/02/2016	1214	ME1600272002	Nitrite as N mg/L	<0.05
PB3	21/03/2016	1158	ME1600392002	Nitrite as N mg/L	<0.01
PB3	06/04/2016	1218	ME1600471002	Nitrite as N mg/L	<0.05
PB3	20/05/2016	1103	ME1600692002	Nitrite as N mg/L	0.01
PB3	17/06/2016	1127	ME1600840002	Nitrite as N mg/L	<0.01
PB3	22/07/2016	1135	ME1601029002	Nitrite as N mg/L	<0.01
PB3	24/08/2016	1207	ME1601180002	Nitrite as N mg/L	<0.05
PB3	06/09/2016	1208	ME1601240002	Nitrite as N mg/L	<0.05
PB3	27/10/2016	1140	ME1601510002	Nitrite as N mg/L	0.03
PB3	22/11/2016	1213	ME1601646002	Nitrite as N mg/L	<0.01
PB3	21/12/2016	1142	ME1601801002	Nitrite as N mg/L	<0.01
PB3	21/12/2016	1142	ME1601801002	Nitrite as N mg/L	<0.01
PB3	25/01/2017	1101	ME1700124002	Nitrite as N mg/L	<0.01
PB3	25/01/2017	1101	ME1700124002	Nitrite as N mg/L	<0.01
PB3	21/02/2017	1157	ME1700243002	Nitrite as N mg/L	0.01
PB3	21/02/2017	1157	ME1700243002	Nitrite as N mg/L	0.01
PB3	22/03/2017	1415	ME1700413002	Nitrite as N mg/L	<0.01
PB3	22/03/2017	1415	ME1700413002	Nitrite as N mg/L	<0.01
PB3	26/04/2017	1128	ME1700582002	Nitrite as N mg/L	<0.05
PB3	26/04/2017	1128	ME1700582002	Nitrite as N mg/L	<0.05

PB3	19/05/2017	1231	ME1700709002	Nitrite as N mg/L	<0.01
PB3	22/06/2017	1113	ME1700866002	Nitrite as N mg/L	<0.01
PB3	24/07/2017	1158	ME1701008002	Nitrite as N mg/L	<0.01
PB3	17/08/2017	1222	ME1701133002	Nitrite as N mg/L	<0.05
PB3	18/09/2017	1240	ME1701275002	Nitrite as N mg/L	0.01
PB3	16/10/2017	1253	ME1701413002	Nitrite as N mg/L	<0.05
PB3	21/11/2017	1308	ME1701588002	Nitrite as N mg/L	<0.01
PB3	21/12/2017	1050	ME1701771002	Nitrite as N mg/L	0.01
PB3	11/01/2018	1248	ME1800056002	Nitrite as N mg/L	<0.01
PB3	19/02/2018	1237	ME1800240002	Nitrite as N mg/L	<0.01
PB3	21/03/2018	1201	ME1800392002	Nitrite as N mg/L	0.01
PB3	26/04/2018	1232	ME1800548002	Nitrite as N mg/L	<0.05
PB3	22/05/2018	1216	ME1800676002	Nitrite as N mg/L	<0.01
PB3	20/06/2018	1117	ME1800816002	Nitrite as N mg/L	<0.01
PB3	20/07/2018	1135	ME1800947002	Nitrite as N mg/L	<0.01
PB3	10/08/2018	1208	ME1801055002	Nitrite as N mg/L	<0.05
PB3	17/09/2018	1152	ME1801223002	Nitrite as N mg/L	<0.05
PB3	23/10/2018	1310	ME1801391002	Nitrite as N mg/L	<0.01
PB3	22/11/2018	1059	ME1801533002	Nitrite as N mg/L	<0.01
PB3	18/12/2018	1202	ME1801653002	Nitrite as N mg/L	<0.01
PB3	14/01/2019	1324	ME1900052002	Nitrite as N mg/L	<0.01
PB3	21/02/2019	1239	ME1900241002	Nitrite as N mg/L	<0.01
PB3	18/03/2019	1226	ME1900366002	Nitrite as N mg/L	<0.01
PB3	15/04/2019	1134	ME1900507002	Nitrite as N mg/L	<0.01
PB3	21/05/2019	1218	ME1900651002	Nitrite as N mg/L	<0.01
PB3	13/06/2019	1203	ME1900760002	Nitrite as N mg/L	<0.1
PB3	15/07/2019	1023	ME1900896002	Nitrite as N mg/L	<0.01
PB3	20/08/2019	1210	ME1901071002	Nitrite as N mg/L	<0.05
PB3	16/09/2019	1408	ME1901212002	Nitrite as N mg/L	<0.01
PB3	24/10/2019	1137	ME1901416002	Nitrite as N mg/L	<0.01
PB3	18/11/2019	1207	ME1901522002	Nitrite as N mg/L	<0.05
PB3	17/12/2019	1241	ME1901703002	Nitrite as N mg/L	<0.1
PB3	23/01/2020	1050	ME2000111002	Nitrite as N mg/L	<0.01
PB3	12/02/2020	1200	ME2000226002	Nitrite as N mg/L	<0.01
PB3	18/03/2020	1224	ME2000433002	Nitrite as N mg/L	<0.01
PB3	21/04/2020	1209	ME2000603002	Nitrite as N mg/L	<0.01
PB3	17/12/2015	1220	ME1510975002	pH pH Unit	5.5
PB3	20/01/2016	1219	ME1600097002	pH pH Unit	5.5
PB3	25/02/2016	1214	ME1600272002	pH pH Unit	5.4
PB3	21/03/2016	1158	ME1600392002	pH pH Unit	5.3
PB3	06/04/2016	1218	ME1600471002	pH pH Unit	5.2
PB3	20/05/2016	1103	ME1600692002	pH pH Unit	5.6
PB3	17/06/2016	1127	ME1600840002	pH pH Unit	6
PB3	22/07/2016	1135	ME1601029002	pH pH Unit	5.9
PB3	24/08/2016	1207	ME1601180002	pH pH Unit	6
PB3	06/09/2016	1208	ME1601240002	pH pH Unit	5.9
PB3	27/10/2016	1140	ME1601510002	pH pH Unit	6

PB3	22/11/2016	1213	ME1601646002	pH pH Unit	6
PB3	21/12/2016	1142	ME1601801002	pH pH Unit	6
PB3	21/12/2016	1142	ME1601801002	pH pH Unit	6
PB3	25/01/2017	1101	ME1700124002	pH pH Unit	6
PB3	25/01/2017	1101	ME1700124002	pH pH Unit	6
PB3	21/02/2017	1157	ME1700243002	pH pH Unit	6
PB3	21/02/2017	1157	ME1700243002	pH pH Unit	6
PB3	22/03/2017	1415	ME1700413002	pH pH Unit	5.9
PB3	22/03/2017	1415	ME1700413002	pH pH Unit	5.9
PB3	26/04/2017	1128	ME1700582002	pH pH Unit	5.9
PB3	26/04/2017	1128	ME1700582002	pH pH Unit	5.9
PB3	19/05/2017	1231	ME1700709002	pH pH Unit	5.9
PB3	22/06/2017	1113	ME1700866002	pH pH Unit	5.9
PB3	24/07/2017	1158	ME1701008002	pH pH Unit	5.9
PB3	17/08/2017	1222	ME1701130002	pH pH Unit	5.9
PB3	18/09/2017	1240	ME1701275002	pH pH Unit	5.9
PB3	16/10/2017	1253	ME1701413002	pH pH Unit	5.9
PB3	21/11/2017	1308	ME1701588002	pH pH Unit	6.1
PB3	21/12/2017	1050	ME1701771002	pH pH Unit	6.1
PB3	11/01/2018	1248	ME1800056002	pH pH Unit	6.1
PB3	19/02/2018	1237	ME1800240002	pH pH Unit	6.1
PB3	21/03/2018	1201	ME1800392002	pH pH Unit	6.2
PB3	26/04/2018	1232	ME1800548002	pH pH Unit	6.2
PB3	22/05/2018	1216	ME1800676002	pH pH Unit	6.2
PB3	20/06/2018	1117	ME1800816002	pH pH Unit	6.2
PB3	20/07/2018	1135	ME1800947002	pH pH Unit	6.3
PB3	10/08/2018	1208	ME1801055002	pH pH Unit	6.2
PB3	17/09/2018	1152	ME1801223002	pH pH Unit	6.3
PB3	23/10/2018	1310	ME1801391002	pH pH Unit	6.2
PB3	22/11/2018	1059	ME1801533002	pH pH Unit	6.2
PB3	18/12/2018	1202	ME1801653002	pH pH Unit	6.2
PB3	14/01/2019	1324	ME1900052002	pH pH Unit	6.2
PB3	21/02/2019	1239	ME1900241002	pH pH Unit	6.2
PB3	18/03/2019	1226	ME1900366002	pH pH Unit	6.2
PB3	15/04/2019	1134	ME1900507002	pH pH Unit	6.3
PB3	21/05/2019	1218	ME1900651002	pH pH Unit	6.3
PB3	13/06/2019	1203	ME1900760002	pH pH Unit	6.3
PB3	15/07/2019	1023	ME1900896002	pH pH Unit	6.3
PB3	20/08/2019	1210	ME1901071002	pH pH Unit	6.3
PB3	16/09/2019	1408	ME1901212002	pH pH Unit	6.3
PB3	24/10/2019	1137	ME1901416002	pH pH Unit	6.3
PB3	18/11/2019	1207	ME1901522002	pH pH Unit	6.3
PB3	17/12/2019	1241	ME1901703002	pH pH Unit	6.2
PB3	23/01/2020	1050	ME2000111002	pH pH Unit	6.1
PB3	12/02/2020	1200	ME2000226002	pH pH Unit	6.3
PB3	18/03/2020	1224	ME2000433002	pH pH Unit	6.3
PB3	21/04/2020	1209	ME2000603002	pH pH Unit	6.2

PB3	17/12/2015	1220	ME1510975002	Potassium - Dissolved mg/L	8
PB3	20/01/2016	1219	ME1600097002	Potassium - Dissolved mg/L	10
PB3	25/02/2016	1214	ME1600272002	Potassium - Dissolved mg/L	10
PB3	21/03/2016	1158	ME1600392002	Potassium - Dissolved mg/L	10
PB3	06/04/2016	1218	ME1600471002	Potassium - Dissolved mg/L	9
PB3	20/05/2016	1103	ME1600692002	Potassium - Dissolved mg/L	10
PB3	17/06/2016	1127	ME1600840002	Potassium - Dissolved mg/L	10
PB3	22/07/2016	1135	ME1601029002	Potassium - Dissolved mg/L	12
PB3	24/08/2016	1207	ME1601180002	Potassium - Dissolved mg/L	12
PB3	06/09/2016	1208	ME1601240002	Potassium - Dissolved mg/L	11
PB3	27/10/2016	1140	ME1601510002	Potassium - Dissolved mg/L	12
PB3	22/11/2016	1213	ME1601646002	Potassium - Dissolved mg/L	13
PB3	21/12/2016	1142	ME1601801002	Potassium - Dissolved mg/L	14
PB3	21/12/2016	1142	ME1601801002	Potassium - Dissolved mg/L	14
PB3	25/01/2017	1101	ME1700124002	Potassium - Dissolved mg/L	12
PB3	25/01/2017	1101	ME1700124002	Potassium - Dissolved mg/L	12
PB3	21/02/2017	1157	ME1700243002	Potassium - Dissolved mg/L	12
PB3	21/02/2017	1157	ME1700243002	Potassium - Dissolved mg/L	12
PB3	22/03/2017	1415	ME1700413002	Potassium - Dissolved mg/L	12
PB3	22/03/2017	1415	ME1700413002	Potassium - Dissolved mg/L	12
PB3	26/04/2017	1128	ME1700582002	Potassium - Dissolved mg/L	12
PB3	26/04/2017	1128	ME1700582002	Potassium - Dissolved mg/L	12
PB3	19/05/2017	1231	ME1700709002	Potassium - Dissolved mg/L	12
PB3	22/06/2017	1113	ME1700866002	Potassium - Dissolved mg/L	12
PB3	24/07/2017	1158	ME1701008002	Potassium - Dissolved mg/L	12
PB3	17/08/2017	1222	ME1701130002	Potassium - Dissolved mg/L	12
PB3	18/09/2017	1240	ME1701275002	Potassium - Dissolved mg/L	12
PB3	16/10/2017	1253	ME1701413002	Potassium - Dissolved mg/L	12
PB3	21/11/2017	1308	ME1701588002	Potassium - Dissolved mg/L	12
PB3	21/12/2017	1050	ME1701771002	Potassium - Dissolved mg/L	13
PB3	11/01/2018	1248	ME1800056002	Potassium - Dissolved mg/L	12
PB3	19/02/2018	1237	ME1800240002	Potassium - Dissolved mg/L	12
PB3	21/03/2018	1201	ME1800392002	Potassium - Dissolved mg/L	11
PB3	26/04/2018	1232	ME1800548002	Potassium - Dissolved mg/L	12
PB3	22/05/2018	1216	ME1800676002	Potassium - Dissolved mg/L	11
PB3	20/06/2018	1117	ME1800816002	Potassium - Dissolved mg/L	12
PB3	20/07/2018	1135	ME1800947002	Potassium - Dissolved mg/L	13
PB3	10/08/2018	1208	ME1801055002	Potassium - Dissolved mg/L	13
PB3	17/09/2018	1152	ME1801223002	Potassium - Dissolved mg/L	12
PB3	23/10/2018	1310	ME1801391002	Potassium - Dissolved mg/L	12
PB3	22/11/2018	1059	ME1801533002	Potassium - Dissolved mg/L	12
PB3	18/12/2018	1202	ME1801653002	Potassium - Dissolved mg/L	14
PB3	14/01/2019	1324	ME1900052002	Potassium - Dissolved mg/L	13
PB3	21/02/2019	1239	ME1900241002	Potassium - Dissolved mg/L	13
PB3	18/03/2019	1226	ME1900366002	Potassium - Dissolved mg/L	13
PB3	15/04/2019	1134	ME1900507002	Potassium - Dissolved mg/L	14
PB3	21/05/2019	1218	ME1900651002	Potassium - Dissolved mg/L	15

PB3	13/06/2019	1203	ME1900760002	Potassium - Dissolved mg/L	14
PB3	15/07/2019	1023	ME1900896002	Potassium - Dissolved mg/L	13
PB3	20/08/2019	1210	ME1901071002	Potassium - Dissolved mg/L	12
PB3	16/09/2019	1408	ME1901212002	Potassium - Dissolved mg/L	13
PB3	24/10/2019	1137	ME1901416002	Potassium - Dissolved mg/L	13
PB3	18/11/2019	1207	ME1901522002	Potassium - Dissolved mg/L	14
PB3	17/12/2019	1241	ME1901703002	Potassium - Dissolved mg/L	14
PB3	23/01/2020	1050	ME2000111002	Potassium - Dissolved mg/L	14
PB3	12/02/2020	1200	ME2000226002	Potassium - Dissolved mg/L	13
PB3	18/03/2020	1224	ME2000433002	Potassium - Dissolved mg/L	13
PB3	21/04/2020	1209	ME2000603002	Potassium - Dissolved mg/L	14
PB3	17/12/2015	1220	ME1510975002	Selenium mg/L	<0.01
PB3	20/01/2016	1219	ME1600097002	Selenium mg/L	<0.01
PB3	25/02/2016	1214	ME1600272002	Selenium mg/L	<0.01
PB3	21/03/2016	1158	ME1600392002	Selenium mg/L	<0.01
PB3	06/04/2016	1218	ME1600471002	Selenium mg/L	<0.01
PB3	20/05/2016	1103	ME1600692002	Selenium mg/L	<0.01
PB3	17/06/2016	1127	ME1600840002	Selenium mg/L	<0.01
PB3	22/07/2016	1135	ME1601029002	Selenium mg/L	<0.01
PB3	24/08/2016	1207	ME1601180002	Selenium mg/L	<0.01
PB3	06/09/2016	1208	ME1601240002	Selenium mg/L	<0.01
PB3	27/10/2016	1140	ME1601510002	Selenium mg/L	<0.01
PB3	22/11/2016	1213	ME1601646002	Selenium mg/L	<0.01
PB3	21/12/2016	1142	ME1601801002	Selenium mg/L	<0.01
PB3	21/12/2016	1142	ME1601801002	Selenium mg/L	<0.01
PB3	25/01/2017	1101	ME1700124002	Selenium mg/L	<0.01
PB3	25/01/2017	1101	ME1700124002	Selenium mg/L	<0.01
PB3	21/02/2017	1157	ME1700243002	Selenium mg/L	<0.01
PB3	21/02/2017	1157	ME1700243002	Selenium mg/L	<0.01
PB3	22/03/2017	1415	ME1700413002	Selenium mg/L	<0.01
PB3	22/03/2017	1415	ME1700413002	Selenium mg/L	<0.01
PB3	26/04/2017	1128	ME1700582002	Selenium mg/L	<0.01
PB3	26/04/2017	1128	ME1700582002	Selenium mg/L	<0.01
PB3	19/05/2017	1231	ME1700709002	Selenium mg/L	<0.01
PB3	22/06/2017	1113	ME1700866002	Selenium mg/L	<0.01
PB3	24/07/2017	1158	ME1701008002	Selenium mg/L	<0.01
PB3	17/08/2017	1222	ME1701130002	Selenium mg/L	<0.01
PB3	18/09/2017	1240	ME1701275002	Selenium mg/L	<0.01
PB3	16/10/2017	1253	ME1701413002	Selenium mg/L	<0.01
PB3	21/11/2017	1308	ME1701588002	Selenium mg/L	<0.01
PB3	21/12/2017	1050	ME1701771002	Selenium mg/L	<0.01
PB3	11/01/2018	1248	ME1800056002	Selenium mg/L	<0.01
PB3	19/02/2018	1237	ME1800240002	Selenium mg/L	<0.01
PB3	21/03/2018	1201	ME1800392002	Selenium mg/L	<0.01
PB3	26/04/2018	1232	ME1800548002	Selenium mg/L	<0.01
PB3	22/05/2018	1216	ME1800676002	Selenium mg/L	<0.01
PB3	20/06/2018	1117	ME1800816002	Selenium mg/L	<0.01

PB3	20/07/2018	1135	ME1800947002	Selenium mg/L	<0.01
PB3	10/08/2018	1208	ME1801055002	Selenium mg/L	<0.01
PB3	17/09/2018	1152	ME1801223002	Selenium mg/L	<0.01
PB3	23/10/2018	1310	ME1801391002	Selenium mg/L	<0.01
PB3	22/11/2018	1059	ME1801533002	Selenium mg/L	<0.01
PB3	18/12/2018	1202	ME1801653002	Selenium mg/L	<0.01
PB3	14/01/2019	1324	ME1900052002	Selenium mg/L	<0.01
PB3	21/02/2019	1239	ME1900241002	Selenium mg/L	<0.01
PB3	18/03/2019	1226	ME1900366002	Selenium mg/L	<0.01
PB3	15/04/2019	1134	ME1900507002	Selenium mg/L	<0.01
PB3	21/05/2019	1218	ME1900651002	Selenium mg/L	<0.01
PB3	13/06/2019	1203	ME1900760002	Selenium mg/L	<0.01
PB3	15/07/2019	1023	ME1900896002	Selenium mg/L	<0.01
PB3	20/08/2019	1210	ME1901071002	Selenium mg/L	<0.01
PB3	16/09/2019	1408	ME1901212002	Selenium mg/L	<0.01
PB3	24/10/2019	1137	ME1901416002	Selenium mg/L	<0.01
PB3	18/11/2019	1207	ME1901522002	Selenium mg/L	<0.01
PB3	17/12/2019	1241	ME1901703002	Selenium mg/L	<0.01
PB3	23/01/2020	1050	ME2000111002	Selenium mg/L	<0.01
PB3	12/02/2020	1200	ME2000226002	Selenium mg/L	<0.01
PB3	18/03/2020	1224	ME2000433002	Selenium mg/L	<0.01
PB3	21/04/2020	1209	ME2000603002	Selenium mg/L	<0.01
PB3	17/12/2015	1220	ME1510975002	Silver - Dissolved mg/L	<0.001
PB3	20/01/2016	1219	ME1600097002	Silver - Dissolved mg/L	<0.001
PB3	25/02/2016	1214	ME1600272002	Silver - Dissolved mg/L	<0.001
PB3	21/03/2016	1158	ME1600392002	Silver - Dissolved mg/L	<0.001
PB3	06/04/2016	1218	ME1600471002	Silver - Dissolved mg/L	<0.001
PB3	20/05/2016	1103	ME1600692002	Silver - Dissolved mg/L	<0.001
PB3	17/06/2016	1127	ME1600840002	Silver - Dissolved mg/L	<0.001
PB3	22/07/2016	1135	ME1601029002	Silver - Dissolved mg/L	<0.001
PB3	24/08/2016	1207	ME1601180002	Silver - Dissolved mg/L	<0.001
PB3	06/09/2016	1208	ME1601240002	Silver - Dissolved mg/L	<0.001
PB3	27/10/2016	1140	ME1601510002	Silver - Dissolved mg/L	<0.001
PB3	22/11/2016	1213	ME1601646002	Silver - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Silver - Dissolved mg/L	<0.001
PB3	21/12/2016	1142	ME1601801002	Silver - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Silver - Dissolved mg/L	<0.001
PB3	25/01/2017	1101	ME1700124002	Silver - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Silver - Dissolved mg/L	<0.001
PB3	21/02/2017	1157	ME1700243002	Silver - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Silver - Dissolved mg/L	<0.001
PB3	22/03/2017	1415	ME1700413002	Silver - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Silver - Dissolved mg/L	<0.001
PB3	26/04/2017	1128	ME1700582002	Silver - Dissolved mg/L	<0.001
PB3	19/05/2017	1231	ME1700709002	Silver - Dissolved mg/L	<0.001
PB3	22/06/2017	1113	ME1700866002	Silver - Dissolved mg/L	<0.001
PB3	24/07/2017	1158	ME1701008002	Silver - Dissolved mg/L	<0.001

PB3	17/08/2017	1222	ME1701130002	Silver - Dissolved mg/L	<0.001
PB3	18/09/2017	1240	ME1701275002	Silver - Dissolved mg/L	<0.001
PB3	16/10/2017	1253	ME1701413002	Silver - Dissolved mg/L	<0.001
PB3	21/11/2017	1308	ME1701588002	Silver - Dissolved mg/L	<0.001
PB3	21/12/2017	1050	ME1701771002	Silver - Dissolved mg/L	<0.001
PB3	11/01/2018	1248	ME1800056002	Silver - Dissolved mg/L	<0.001
PB3	19/02/2018	1237	ME1800240002	Silver - Dissolved mg/L	<0.001
PB3	21/03/2018	1201	ME1800392002	Silver - Dissolved mg/L	<0.001
PB3	26/04/2018	1232	ME1800548002	Silver - Dissolved mg/L	<0.001
PB3	22/05/2018	1216	ME1800676002	Silver - Dissolved mg/L	<0.001
PB3	20/06/2018	1117	ME1800816002	Silver - Dissolved mg/L	<0.001
PB3	20/07/2018	1135	ME1800947002	Silver - Dissolved mg/L	<0.001
PB3	10/08/2018	1208	ME1801055002	Silver - Dissolved mg/L	<0.001
PB3	17/09/2018	1152	ME1801223002	Silver - Dissolved mg/L	<0.001
PB3	23/10/2018	1310	ME1801391002	Silver - Dissolved mg/L	<0.001
PB3	22/11/2018	1059	ME1801533002	Silver - Dissolved mg/L	<0.001
PB3	18/12/2018	1202	ME1801653002	Silver - Dissolved mg/L	<0.001
PB3	14/01/2019	1324	ME1900052002	Silver - Dissolved mg/L	<0.001
PB3	21/02/2019	1239	ME1900241002	Silver - Dissolved mg/L	<0.001
PB3	18/03/2019	1226	ME1900366002	Silver - Dissolved mg/L	<0.001
PB3	15/04/2019	1134	ME1900507002	Silver - Dissolved mg/L	<0.001
PB3	21/05/2019	1218	ME1900651002	Silver - Dissolved mg/L	<0.001
PB3	13/06/2019	1203	ME1900760002	Silver - Dissolved mg/L	<0.001
PB3	15/07/2019	1023	ME1900896002	Silver - Dissolved mg/L	<0.001
PB3	20/08/2019	1210	ME1901071002	Silver - Dissolved mg/L	<0.001
PB3	16/09/2019	1408	ME1901212002	Silver - Dissolved mg/L	<0.001
PB3	24/10/2019	1137	ME1901416002	Silver - Dissolved mg/L	<0.001
PB3	18/11/2019	1207	ME1901522002	Silver - Dissolved mg/L	<0.001
PB3	17/12/2019	1241	ME1901703002	Silver - Dissolved mg/L	<0.001
PB3	23/01/2020	1050	ME2000111002	Silver - Dissolved mg/L	<0.001
PB3	12/02/2020	1200	ME2000226002	Silver - Dissolved mg/L	<0.001
PB3	18/03/2020	1224	ME2000433002	Silver - Dissolved mg/L	<0.001
PB3	21/04/2020	1209	ME2000603002	Silver - Dissolved mg/L	<0.001
PB3	17/12/2015	1220	ME1510975002	Sodium - Dissolved mg/L	102
PB3	20/01/2016	1219	ME1600097002	Sodium - Dissolved mg/L	105
PB3	25/02/2016	1214	ME1600272002	Sodium - Dissolved mg/L	110
PB3	21/03/2016	1158	ME1600392002	Sodium - Dissolved mg/L	118
PB3	06/04/2016	1218	ME1600471002	Sodium - Dissolved mg/L	116
PB3	20/05/2016	1103	ME1600692002	Sodium - Dissolved mg/L	99
PB3	17/06/2016	1127	ME1600840002	Sodium - Dissolved mg/L	105
PB3	22/07/2016	1135	ME1601029002	Sodium - Dissolved mg/L	99
PB3	24/08/2016	1207	ME1601180002	Sodium - Dissolved mg/L	104
PB3	06/09/2016	1208	ME1601240002	Sodium - Dissolved mg/L	100
PB3	27/10/2016	1140	ME1601510002	Sodium - Dissolved mg/L	87
PB3	22/11/2016	1213	ME1601646002	Sodium - Dissolved mg/L	106
PB3	21/12/2016	1142	ME1601801002	Sodium - Dissolved mg/L	105
PB3	21/12/2016	1142	ME1601801002	Sodium - Dissolved mg/L	105

PB3	25/01/2017	1101	ME1700124002	Sodium - Dissolved mg/L	115
PB3	25/01/2017	1101	ME1700124002	Sodium - Dissolved mg/L	115
PB3	21/02/2017	1157	ME1700243002	Sodium - Dissolved mg/L	102
PB3	21/02/2017	1157	ME1700243002	Sodium - Dissolved mg/L	102
PB3	22/03/2017	1415	ME1700413002	Sodium - Dissolved mg/L	101
PB3	22/03/2017	1415	ME1700413002	Sodium - Dissolved mg/L	101
PB3	26/04/2017	1128	ME1700582002	Sodium - Dissolved mg/L	97
PB3	26/04/2017	1128	ME1700582002	Sodium - Dissolved mg/L	97
PB3	19/05/2017	1231	ME1700709002	Sodium - Dissolved mg/L	105
PB3	22/06/2017	1113	ME1700866002	Sodium - Dissolved mg/L	100
PB3	24/07/2017	1158	ME1701008002	Sodium - Dissolved mg/L	107
PB3	17/08/2017	1222	ME1701130002	Sodium - Dissolved mg/L	97
PB3	18/09/2017	1240	ME1701275002	Sodium - Dissolved mg/L	100
PB3	16/10/2017	1253	ME1701413002	Sodium - Dissolved mg/L	105
PB3	21/11/2017	1308	ME1701588002	Sodium - Dissolved mg/L	116
PB3	21/12/2017	1050	ME1701771002	Sodium - Dissolved mg/L	96
PB3	11/01/2018	1248	ME1800056002	Sodium - Dissolved mg/L	94
PB3	19/02/2018	1237	ME1800240002	Sodium - Dissolved mg/L	95
PB3	21/03/2018	1201	ME1800392002	Sodium - Dissolved mg/L	93
PB3	26/04/2018	1232	ME1800548002	Sodium - Dissolved mg/L	96
PB3	22/05/2018	1216	ME1800676002	Sodium - Dissolved mg/L	90
PB3	20/06/2018	1117	ME1800816002	Sodium - Dissolved mg/L	92
PB3	20/07/2018	1135	ME1800947002	Sodium - Dissolved mg/L	101
PB3	10/08/2018	1208	ME1801055002	Sodium - Dissolved mg/L	96
PB3	17/09/2018	1152	ME1801223002	Sodium - Dissolved mg/L	93
PB3	23/10/2018	1310	ME1801391002	Sodium - Dissolved mg/L	93
PB3	22/11/2018	1059	ME1801533002	Sodium - Dissolved mg/L	91
PB3	18/12/2018	1202	ME1801653002	Sodium - Dissolved mg/L	94
PB3	14/01/2019	1324	ME1900052002	Sodium - Dissolved mg/L	88
PB3	21/02/2019	1239	ME1900241002	Sodium - Dissolved mg/L	96
PB3	18/03/2019	1226	ME1900366002	Sodium - Dissolved mg/L	92
PB3	15/04/2019	1134	ME1900507002	Sodium - Dissolved mg/L	99
PB3	21/05/2019	1218	ME1900651002	Sodium - Dissolved mg/L	91
PB3	13/06/2019	1203	ME1900760002	Sodium - Dissolved mg/L	94
PB3	15/07/2019	1023	ME1900896002	Sodium - Dissolved mg/L	92
PB3	20/08/2019	1210	ME1901071002	Sodium - Dissolved mg/L	98
PB3	16/09/2019	1408	ME1901212002	Sodium - Dissolved mg/L	93
PB3	24/10/2019	1137	ME1901416002	Sodium - Dissolved mg/L	88
PB3	18/11/2019	1207	ME1901522002	Sodium - Dissolved mg/L	98
PB3	17/12/2019	1241	ME1901703002	Sodium - Dissolved mg/L	95
PB3	23/01/2020	1050	ME2000111002	Sodium - Dissolved mg/L	93
PB3	12/02/2020	1200	ME2000226002	Sodium - Dissolved mg/L	94
PB3	18/03/2020	1224	ME2000433002	Sodium - Dissolved mg/L	89
PB3	21/04/2020	1209	ME2000603002	Sodium - Dissolved mg/L	95
PB3	17/12/2015	1220	ME1510975002	Sulfate as SO4 - Turbidimetric mg/L	2750
PB3	20/01/2016	1219	ME1600097002	Sulfate as SO4 - Turbidimetric mg/L	2450
PB3	25/02/2016	1214	ME1600272002	Sulfate as SO4 - Turbidimetric mg/L	2900

PB3	21/03/2016	1158	ME1600392002	Sulfate as SO4 - Turbidimetric mg/L	2390
PB3	06/04/2016	1218	ME1600471002	Sulfate as SO4 - Turbidimetric mg/L	2370
PB3	20/05/2016	1103	ME1600692002	Sulfate as SO4 - Turbidimetric mg/L	2250
PB3	17/06/2016	1127	ME1600840002	Sulfate as SO4 - Turbidimetric mg/L	2390
PB3	22/07/2016	1135	ME1601029002	Sulfate as SO4 - Turbidimetric mg/L	2120
PB3	24/08/2016	1207	ME1601180002	Sulfate as SO4 - Turbidimetric mg/L	2280
PB3	06/09/2016	1208	ME1601240002	Sulfate as SO4 - Turbidimetric mg/L	2640
PB3	27/10/2016	1140	ME1601510002	Sulfate as SO4 - Turbidimetric mg/L	2110
PB3	22/11/2016	1213	ME1601646002	Sulfate as SO4 - Turbidimetric mg/L	2100
PB3	21/12/2016	1142	ME1601801002	Sulfate as SO4 - Turbidimetric mg/L	2570
PB3	21/12/2016	1142	ME1601801002	Sulfate as SO4 - Turbidimetric mg/L	2570
PB3	25/01/2017	1101	ME1700124002	Sulfate as SO4 - Turbidimetric mg/L	2130
PB3	25/01/2017	1101	ME1700124002	Sulfate as SO4 - Turbidimetric mg/L	2130
PB3	21/02/2017	1157	ME1700243002	Sulfate as SO4 - Turbidimetric mg/L	2000
PB3	21/02/2017	1157	ME1700243002	Sulfate as SO4 - Turbidimetric mg/L	2000
PB3	22/03/2017	1415	ME1700413002	Sulfate as SO4 - Turbidimetric mg/L	2070
PB3	22/03/2017	1415	ME1700413002	Sulfate as SO4 - Turbidimetric mg/L	2070
PB3	26/04/2017	1128	ME1700582002	Sulfate as SO4 - Turbidimetric mg/L	2420
PB3	26/04/2017	1128	ME1700582002	Sulfate as SO4 - Turbidimetric mg/L	2420
PB3	19/05/2017	1231	ME1700709002	Sulfate as SO4 - Turbidimetric mg/L	2110
PB3	22/06/2017	1113	ME1700866002	Sulfate as SO4 - Turbidimetric mg/L	2200
PB3	24/07/2017	1158	ME1701008002	Sulfate as SO4 - Turbidimetric mg/L	2230
PB3	17/08/2017	1222	ME1701130002	Sulfate as SO4 - Turbidimetric mg/L	1840
PB3	18/09/2017	1240	ME1701275002	Sulfate as SO4 - Turbidimetric mg/L	1820
PB3	16/10/2017	1253	ME1701413002	Sulfate as SO4 - Turbidimetric mg/L	1920
PB3	21/11/2017	1308	ME1701588002	Sulfate as SO4 - Turbidimetric mg/L	2170
PB3	21/12/2017	1050	ME1701771002	Sulfate as SO4 - Turbidimetric mg/L	2160
PB3	11/01/2018	1248	ME1800056002	Sulfate as SO4 - Turbidimetric mg/L	1970
PB3	19/02/2018	1237	ME1800240002	Sulfate as SO4 - Turbidimetric mg/L	2050
PB3	21/03/2018	1201	ME1800392002	Sulfate as SO4 - Turbidimetric mg/L	2010
PB3	26/04/2018	1232	ME1800548002	Sulfate as SO4 - Turbidimetric mg/L	2160
PB3	22/05/2018	1216	ME1800676002	Sulfate as SO4 - Turbidimetric mg/L	2150
PB3	20/06/2018	1117	ME1800816002	Sulfate as SO4 - Turbidimetric mg/L	2020
PB3	20/07/2018	1135	ME1800947002	Sulfate as SO4 - Turbidimetric mg/L	2010
PB3	10/08/2018	1208	ME1801055002	Sulfate as SO4 - Turbidimetric mg/L	1970
PB3	17/09/2018	1152	ME1801223002	Sulfate as SO4 - Turbidimetric mg/L	2040
PB3	23/10/2018	1310	ME1801391002	Sulfate as SO4 - Turbidimetric mg/L	2020
PB3	22/11/2018	1059	ME1801533002	Sulfate as SO4 - Turbidimetric mg/L	2170
PB3	18/12/2018	1202	ME1801653002	Sulfate as SO4 - Turbidimetric mg/L	1950
PB3	14/01/2019	1324	ME1900052002	Sulfate as SO4 - Turbidimetric mg/L	1750
PB3	21/02/2019	1239	ME1900241002	Sulfate as SO4 - Turbidimetric mg/L	2160
PB3	18/03/2019	1226	ME1900366002	Sulfate as SO4 - Turbidimetric mg/L	2060
PB3	15/04/2019	1134	ME1900507002	Sulfate as SO4 - Turbidimetric mg/L	1710
PB3	21/05/2019	1218	ME1900651002	Sulfate as SO4 - Turbidimetric mg/L	1870
PB3	13/06/2019	1203	ME1900760002	Sulfate as SO4 - Turbidimetric mg/L	1700
PB3	15/07/2019	1023	ME1900896002	Sulfate as SO4 - Turbidimetric mg/L	1970
PB3	20/08/2019	1210	ME1901071002	Sulfate as SO4 - Turbidimetric mg/L	2020

PB3	16/09/2019	1408	ME1901212002	Sulfate as SO4 - Turbidimetric mg/L	2220
PB3	24/10/2019	1137	ME1901416002	Sulfate as SO4 - Turbidimetric mg/L	2040
PB3	18/11/2019	1207	ME1901522002	Sulfate as SO4 - Turbidimetric mg/L	2320
PB3	17/12/2019	1241	ME1901703002	Sulfate as SO4 - Turbidimetric mg/L	2130
PB3	23/01/2020	1050	ME2000111002	Sulfate as SO4 - Turbidimetric mg/L	2130
PB3	12/02/2020	1200	ME2000226002	Sulfate as SO4 - Turbidimetric mg/L	2090
PB3	18/03/2020	1224	ME2000433002	Sulfate as SO4 - Turbidimetric mg/L	1980
PB3	21/04/2020	1209	ME2000603002	Sulfate as SO4 - Turbidimetric mg/L	2100
PB3	17/12/2015	1220	ME1510975002	Suspended Solids (SS) mg/L	17
PB3	20/01/2016	1219	ME1600097002	Suspended Solids (SS) mg/L	28
PB3	25/02/2016	1214	ME1600272002	Suspended Solids (SS) mg/L	18
PB3	21/03/2016	1158	ME1600392002	Suspended Solids (SS) mg/L	10
PB3	06/04/2016	1218	ME1600471002	Suspended Solids (SS) mg/L	27
PB3	20/05/2016	1103	ME1600692002	Suspended Solids (SS) mg/L	16
PB3	17/06/2016	1127	ME1600840002	Suspended Solids (SS) mg/L	18
PB3	22/07/2016	1135	ME1601029002	Suspended Solids (SS) mg/L	14
PB3	24/08/2016	1207	ME1601180002	Suspended Solids (SS) mg/L	20
PB3	06/09/2016	1208	ME1601240002	Suspended Solids (SS) mg/L	16
PB3	27/10/2016	1140	ME1601510002	Suspended Solids (SS) mg/L	17
PB3	22/11/2016	1213	ME1601646002	Suspended Solids (SS) mg/L	23
PB3	21/12/2016	1142	ME1601801002	Suspended Solids (SS) mg/L	13
PB3	21/12/2016	1142	ME1601801002	Suspended Solids (SS) mg/L	13
PB3	25/01/2017	1101	ME1700124002	Suspended Solids (SS) mg/L	51
PB3	25/01/2017	1101	ME1700124002	Suspended Solids (SS) mg/L	51
PB3	21/02/2017	1157	ME1700243002	Suspended Solids (SS) mg/L	8
PB3	21/02/2017	1157	ME1700243002	Suspended Solids (SS) mg/L	8
PB3	22/03/2017	1415	ME1700413002	Suspended Solids (SS) mg/L	29
PB3	22/03/2017	1415	ME1700413002	Suspended Solids (SS) mg/L	29
PB3	26/04/2017	1128	ME1700582002	Suspended Solids (SS) mg/L	28
PB3	26/04/2017	1128	ME1700582002	Suspended Solids (SS) mg/L	28
PB3	19/05/2017	1231	ME1700709002	Suspended Solids (SS) mg/L	30
PB3	22/06/2017	1113	ME1700866002	Suspended Solids (SS) mg/L	22
PB3	24/07/2017	1158	ME1701008002	Suspended Solids (SS) mg/L	23
PB3	17/08/2017	1222	ME1701130002	Suspended Solids (SS) mg/L	12
PB3	18/09/2017	1240	ME1701275002	Suspended Solids (SS) mg/L	9
PB3	16/10/2017	1253	ME1701413002	Suspended Solids (SS) mg/L	5
PB3	21/11/2017	1308	ME1701588002	Suspended Solids (SS) mg/L	8
PB3	21/12/2017	1050	ME1701771002	Suspended Solids (SS) mg/L	26
PB3	11/01/2018	1248	ME1800056002	Suspended Solids (SS) mg/L	4
PB3	19/02/2018	1237	ME1800240002	Suspended Solids (SS) mg/L	10
PB3	21/03/2018	1201	ME1800392002	Suspended Solids (SS) mg/L	12
PB3	26/04/2018	1232	ME1800548002	Suspended Solids (SS) mg/L	8
PB3	22/05/2018	1216	ME1800676002	Suspended Solids (SS) mg/L	12
PB3	20/06/2018	1117	ME1800816002	Suspended Solids (SS) mg/L	6
PB3	20/07/2018	1135	ME1800947002	Suspended Solids (SS) mg/L	8
PB3	10/08/2018	1208	ME1801055002	Suspended Solids (SS) mg/L	9
PB3	17/09/2018	1152	ME1801223002	Suspended Solids (SS) mg/L	6

PB3	23/10/2018	1310	ME1801391002	Suspended Solids (SS) mg/L	12
PB3	22/11/2018	1059	ME1801533002	Suspended Solids (SS) mg/L	12
PB3	18/12/2018	1202	ME1801653002	Suspended Solids (SS) mg/L	8
PB3	14/01/2019	1324	ME1900052002	Suspended Solids (SS) mg/L	5
PB3	21/02/2019	1239	ME1900241002	Suspended Solids (SS) mg/L	9
PB3	18/03/2019	1226	ME1900366002	Suspended Solids (SS) mg/L	8
PB3	15/04/2019	1134	ME1900507002	Suspended Solids (SS) mg/L	18
PB3	21/05/2019	1218	ME1900651002	Suspended Solids (SS) mg/L	10
PB3	13/06/2019	1203	ME1900760002	Suspended Solids (SS) mg/L	4
PB3	15/07/2019	1023	ME1900896002	Suspended Solids (SS) mg/L	11
PB3	20/08/2019	1210	ME1901071002	Suspended Solids (SS) mg/L	7
PB3	16/09/2019	1408	ME1901212002	Suspended Solids (SS) mg/L	7
PB3	24/10/2019	1137	ME1901416002	Suspended Solids (SS) mg/L	14
PB3	18/11/2019	1207	ME1901522002	Suspended Solids (SS) mg/L	8
PB3	17/12/2019	1241	ME1901703002	Suspended Solids (SS) mg/L	6
PB3	23/01/2020	1050	ME2000111002	Suspended Solids (SS) mg/L	16
PB3	12/02/2020	1200	ME2000226002	Suspended Solids (SS) mg/L	13
PB3	18/03/2020	1224	ME2000433002	Suspended Solids (SS) mg/L	10
PB3	21/04/2020	1209	ME2000603002	Suspended Solids (SS) mg/L	9
PB3	17/12/2015	1220	ME1510975002	Total Alkalinity as CaCO3 mg/L	48
PB3	20/01/2016	1219	ME1600097002	Total Alkalinity as CaCO3 mg/L	44
PB3	25/02/2016	1214	ME1600272002	Total Alkalinity as CaCO3 mg/L	39
PB3	21/03/2016	1158	ME1600392002	Total Alkalinity as CaCO3 mg/L	37
PB3	06/04/2016	1218	ME1600471002	Total Alkalinity as CaCO3 mg/L	13
PB3	20/05/2016	1103	ME1600692002	Total Alkalinity as CaCO3 mg/L	79
PB3	17/06/2016	1127	ME1600840002	Total Alkalinity as CaCO3 mg/L	151
PB3	22/07/2016	1135	ME1601029002	Total Alkalinity as CaCO3 mg/L	88
PB3	24/08/2016	1207	ME1601180002	Total Alkalinity as CaCO3 mg/L	168
PB3	06/09/2016	1208	ME1601240002	Total Alkalinity as CaCO3 mg/L	129
PB3	27/10/2016	1140	ME1601510002	Total Alkalinity as CaCO3 mg/L	84
PB3	22/11/2016	1213	ME1601646002	Total Alkalinity as CaCO3 mg/L	112
PB3	21/12/2016	1142	ME1601801002	Total Alkalinity as CaCO3 mg/L	87
PB3	21/12/2016	1142	ME1601801002	Total Alkalinity as CaCO3 mg/L	87
PB3	25/01/2017	1101	ME1700124002	Total Alkalinity as CaCO3 mg/L	71
PB3	25/01/2017	1101	ME1700124002	Total Alkalinity as CaCO3 mg/L	71
PB3	21/02/2017	1157	ME1700243002	Total Alkalinity as CaCO3 mg/L	110
PB3	21/02/2017	1157	ME1700243002	Total Alkalinity as CaCO3 mg/L	110
PB3	22/03/2017	1415	ME1700413002	Total Alkalinity as CaCO3 mg/L	81
PB3	22/03/2017	1415	ME1700413002	Total Alkalinity as CaCO3 mg/L	81
PB3	26/04/2017	1128	ME1700582002	Total Alkalinity as CaCO3 mg/L	70
PB3	26/04/2017	1128	ME1700582002	Total Alkalinity as CaCO3 mg/L	70
PB3	19/05/2017	1231	ME1700709002	Total Alkalinity as CaCO3 mg/L	84
PB3	22/06/2017	1113	ME1700866002	Total Alkalinity as CaCO3 mg/L	69
PB3	24/07/2017	1158	ME1701008002	Total Alkalinity as CaCO3 mg/L	66
PB3	17/08/2017	1222	ME1701130002	Total Alkalinity as CaCO3 mg/L	136
PB3	18/09/2017	1240	ME1701275002	Total Alkalinity as CaCO3 mg/L	175
PB3	16/10/2017	1253	ME1701413002	Total Alkalinity as CaCO3 mg/L	160

PB3	21/11/2017	1308	ME1701588002	Total Alkalinity as CaCO3 mg/L	136
PB3	21/12/2017	1050	ME1701771002	Total Alkalinity as CaCO3 mg/L	171
PB3	11/01/2018	1248	ME1800056002	Total Alkalinity as CaCO3 mg/L	187
PB3	19/02/2018	1237	ME1800240002	Total Alkalinity as CaCO3 mg/L	190
PB3	21/03/2018	1201	ME1800392002	Total Alkalinity as CaCO3 mg/L	163
PB3	26/04/2018	1232	ME1800548002	Total Alkalinity as CaCO3 mg/L	156
PB3	22/05/2018	1216	ME1800676002	Total Alkalinity as CaCO3 mg/L	165
PB3	20/06/2018	1117	ME1800816002	Total Alkalinity as CaCO3 mg/L	148
PB3	20/07/2018	1135	ME1800947002	Total Alkalinity as CaCO3 mg/L	166
PB3	10/08/2018	1208	ME1801055002	Total Alkalinity as CaCO3 mg/L	196
PB3	17/09/2018	1152	ME1801223002	Total Alkalinity as CaCO3 mg/L	156
PB3	23/10/2018	1310	ME1801391002	Total Alkalinity as CaCO3 mg/L	182
PB3	22/11/2018	1059	ME1801533002	Total Alkalinity as CaCO3 mg/L	197
PB3	18/12/2018	1202	ME1801653002	Total Alkalinity as CaCO3 mg/L	162
PB3	14/01/2019	1324	ME1900052002	Total Alkalinity as CaCO3 mg/L	163
PB3	21/02/2019	1239	ME1900241002	Total Alkalinity as CaCO3 mg/L	157
PB3	18/03/2019	1226	ME1900366002	Total Alkalinity as CaCO3 mg/L	159
PB3	15/04/2019	1134	ME1900507002	Total Alkalinity as CaCO3 mg/L	130
PB3	21/05/2019	1218	ME1900651002	Total Alkalinity as CaCO3 mg/L	149
PB3	13/06/2019	1203	ME1900760002	Total Alkalinity as CaCO3 mg/L	154
PB3	15/07/2019	1023	ME1900896002	Total Alkalinity as CaCO3 mg/L	140
PB3	20/08/2019	1210	ME1901071002	Total Alkalinity as CaCO3 mg/L	141
PB3	16/09/2019	1408	ME1901212002	Total Alkalinity as CaCO3 mg/L	132
PB3	24/10/2019	1137	ME1901416002	Total Alkalinity as CaCO3 mg/L	143
PB3	18/11/2019	1207	ME1901522002	Total Alkalinity as CaCO3 mg/L	166
PB3	17/12/2019	1241	ME1901703002	Total Alkalinity as CaCO3 mg/L	<1
PB3	23/01/2020	1050	ME2000111002	Total Alkalinity as CaCO3 mg/L	160
PB3	12/02/2020	1200	ME2000226002	Total Alkalinity as CaCO3 mg/L	157
PB3	18/03/2020	1224	ME2000433002	Total Alkalinity as CaCO3 mg/L	170
PB3	21/04/2020	1209	ME2000603002	Total Alkalinity as CaCO3 mg/L	173
PB3	17/12/2015	1220	ME1510975002	Total Anions meq/L	61.9
PB3	20/01/2016	1219	ME1600097002	Total Anions meq/L	55.4
PB3	25/02/2016	1214	ME1600272002	Total Anions meq/L	64.8
PB3	21/03/2016	1158	ME1600392002	Total Anions meq/L	54
PB3	06/04/2016	1218	ME1600471002	Total Anions meq/L	53.2
PB3	20/05/2016	1103	ME1600692002	Total Anions meq/L	51.8
PB3	17/06/2016	1127	ME1600840002	Total Anions meq/L	56.3
PB3	22/07/2016	1135	ME1601029002	Total Anions meq/L	45.9
PB3	24/08/2016	1207	ME1601180002	Total Anions meq/L	54.6
PB3	06/09/2016	1208	ME1601240002	Total Anions meq/L	61.3
PB3	27/10/2016	1140	ME1601510002	Total Anions meq/L	49.4
PB3	22/11/2016	1213	ME1601646002	Total Anions meq/L	49.6
PB3	21/12/2016	1142	ME1601801002	Total Anions meq/L	59.5
PB3	25/01/2017	1101	ME1700124002	Total Anions meq/L	49.4
PB3	21/02/2017	1157	ME1700243002	Total Anions meq/L	47.5
PB3	22/03/2017	1415	ME1700413002	Total Anions meq/L	48.8
PB3	26/04/2017	1128	ME1700582002	Total Anions meq/L	55.8

PB3	26/04/2017	1128	ME1700582002	Total Anions meq/L	55.8
PB3	19/05/2017	1231	ME1700709002	Total Anions meq/L	49.6
PB3	22/06/2017	1113	ME1700866002	Total Anions meq/L	51
PB3	24/07/2017	1158	ME1701008002	Total Anions meq/L	51.2
PB3	17/08/2017	1222	ME1701130002	Total Anions meq/L	44.2
PB3	18/09/2017	1240	ME1701275002	Total Anions meq/L	45
PB3	16/10/2017	1253	ME1701413002	Total Anions meq/L	46.5
PB3	21/11/2017	1308	ME1701588002	Total Anions meq/L	51.6
PB3	21/12/2017	1050	ME1701771002	Total Anions meq/L	52.5
PB3	11/01/2018	1248	ME1800056002	Total Anions meq/L	48.7
PB3	19/02/2018	1237	ME1800240002	Total Anions meq/L	50.5
PB3	21/03/2018	1201	ME1800392002	Total Anions meq/L	49.2
PB3	26/04/2018	1232	ME1800548002	Total Anions meq/L	52
PB3	22/05/2018	1216	ME1800676002	Total Anions meq/L	52.1
PB3	20/06/2018	1117	ME1800816002	Total Anions meq/L	49.2
PB3	20/07/2018	1135	ME1800947002	Total Anions meq/L	48.8
PB3	10/08/2018	1208	ME1801055002	Total Anions meq/L	49.1
PB3	17/09/2018	1152	ME1801223002	Total Anions meq/L	50.1
PB3	23/10/2018	1310	ME1801391002	Total Anions meq/L	49.7
PB3	22/11/2018	1059	ME1801533002	Total Anions meq/L	53
PB3	18/12/2018	1202	ME1801653002	Total Anions meq/L	47.6
PB3	14/01/2019	1324	ME1900052002	Total Anions meq/L	43.4
PB3	21/02/2019	1239	ME1900241002	Total Anions meq/L	52.3
PB3	18/03/2019	1226	ME1900366002	Total Anions meq/L	50.3
PB3	15/04/2019	1134	ME1900507002	Total Anions meq/L	42
PB3	21/05/2019	1218	ME1900651002	Total Anions meq/L	45.8
PB3	13/06/2019	1203	ME1900760002	Total Anions meq/L	42.2
PB3	15/07/2019	1023	ME1900896002	Total Anions meq/L	47.6
PB3	20/08/2019	1210	ME1901071002	Total Anions meq/L	48.7
PB3	16/09/2019	1408	ME1901212002	Total Anions meq/L	52.7
PB3	24/10/2019	1137	ME1901416002	Total Anions meq/L	49.2
PB3	18/11/2019	1207	ME1901522002	Total Anions meq/L	55.2
PB3	17/12/2019	1241	ME1901703002	Total Anions meq/L	48.3
PB3	23/01/2020	1050	ME2000111002	Total Anions meq/L	51.5
PB3	12/02/2020	1200	ME2000226002	Total Anions meq/L	50.8
PB3	18/03/2020	1224	ME2000433002	Total Anions meq/L	49.1
PB3	21/04/2020	1209	ME2000603002	Total Anions meq/L	51.3
PB3	17/12/2015	1220	ME1510975002	Total Cations meq/L	53.6
PB3	20/01/2016	1219	ME1600097002	Total Cations meq/L	49.9
PB3	25/02/2016	1214	ME1600272002	Total Cations meq/L	53.2
PB3	21/03/2016	1158	ME1600392002	Total Cations meq/L	50.1
PB3	06/04/2016	1218	ME1600471002	Total Cations meq/L	50.4
PB3	20/05/2016	1103	ME1600692002	Total Cations meq/L	45.6
PB3	17/06/2016	1127	ME1600840002	Total Cations meq/L	47.8
PB3	22/07/2016	1135	ME1601029002	Total Cations meq/L	47.2
PB3	24/08/2016	1207	ME1601180002	Total Cations meq/L	48.9
PB3	06/09/2016	1208	ME1601240002	Total Cations meq/L	53.2

PB3	27/10/2016	1140	ME1601510002	Total Cations meq/L	44
PB3	22/11/2016	1213	ME1601646002	Total Cations meq/L	48.1
PB3	21/12/2016	1142	ME1601801002	Total Cations meq/L	49.9
PB3	25/01/2017	1101	ME1700124002	Total Cations meq/L	50.4
PB3	21/02/2017	1157	ME1700243002	Total Cations meq/L	48.3
PB3	22/03/2017	1415	ME1700413002	Total Cations meq/L	48.6
PB3	26/04/2017	1128	ME1700582002	Total Cations meq/L	49.8
PB3	26/04/2017	1128	ME1700582002	Total Cations meq/L	49.8
PB3	19/05/2017	1231	ME1700709002	Total Cations meq/L	47.7
PB3	22/06/2017	1113	ME1700866002	Total Cations meq/L	47
PB3	24/07/2017	1158	ME1701008002	Total Cations meq/L	47.4
PB3	17/08/2017	1222	ME1701130002	Total Cations meq/L	44.4
PB3	18/09/2017	1240	ME1701275002	Total Cations meq/L	46.2
PB3	16/10/2017	1253	ME1701413002	Total Cations meq/L	47.7
PB3	21/11/2017	1308	ME1701588002	Total Cations meq/L	48.2
PB3	21/12/2017	1050	ME1701771002	Total Cations meq/L	45.8
PB3	11/01/2018	1248	ME1800056002	Total Cations meq/L	43.8
PB3	19/02/2018	1237	ME1800240002	Total Cations meq/L	46.6
PB3	21/03/2018	1201	ME1800392002	Total Cations meq/L	43.4
PB3	26/04/2018	1232	ME1800548002	Total Cations meq/L	46
PB3	22/05/2018	1216	ME1800676002	Total Cations meq/L	42.2
PB3	20/06/2018	1117	ME1800816002	Total Cations meq/L	45.3
PB3	20/07/2018	1135	ME1800947002	Total Cations meq/L	47.8
PB3	10/08/2018	1208	ME1801055002	Total Cations meq/L	46.1
PB3	17/09/2018	1152	ME1801223002	Total Cations meq/L	46.3
PB3	23/10/2018	1310	ME1801391002	Total Cations meq/L	44.7
PB3	22/11/2018	1059	ME1801533002	Total Cations meq/L	44.5
PB3	18/12/2018	1202	ME1801653002	Total Cations meq/L	45.4
PB3	14/01/2019	1324	ME1900052002	Total Cations meq/L	45.2
PB3	21/02/2019	1239	ME1900241002	Total Cations meq/L	45.3
PB3	18/03/2019	1226	ME1900366002	Total Cations meq/L	44.8
PB3	15/04/2019	1134	ME1900507002	Total Cations meq/L	47.9
PB3	21/05/2019	1218	ME1900651002	Total Cations meq/L	44.7
PB3	13/06/2019	1203	ME1900760002	Total Cations meq/L	45.2
PB3	15/07/2019	1023	ME1900896002	Total Cations meq/L	44.8
PB3	20/08/2019	1210	ME1901071002	Total Cations meq/L	45
PB3	16/09/2019	1408	ME1901212002	Total Cations meq/L	45.4
PB3	24/10/2019	1137	ME1901416002	Total Cations meq/L	43.9
PB3	18/11/2019	1207	ME1901522002	Total Cations meq/L	48.1
PB3	17/12/2019	1241	ME1901703002	Total Cations meq/L	46.1
PB3	23/01/2020	1050	ME2000111002	Total Cations meq/L	46.5
PB3	12/02/2020	1200	ME2000226002	Total Cations meq/L	45.5
PB3	18/03/2020	1224	ME2000433002	Total Cations meq/L	44.6
PB3	21/04/2020	1209	ME2000603002	Total Cations meq/L	46.2
PB3	17/12/2015	1220	ME1510975002	Total Kjeldahl Nitrogen as N mg/L	2.5
PB3	20/01/2016	1219	ME1600097002	Total Kjeldahl Nitrogen as N mg/L	2.3
PB3	25/02/2016	1214	ME1600272002	Total Kjeldahl Nitrogen as N mg/L	1.5

PB3	21/03/2016	1158	ME1600392002	Total Kjeldahl Nitrogen as N mg/L	2
PB3	06/04/2016	1218	ME1600471002	Total Kjeldahl Nitrogen as N mg/L	2.3
PB3	20/05/2016	1103	ME1600692002	Total Kjeldahl Nitrogen as N mg/L	0.8
PB3	17/06/2016	1127	ME1600840002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	22/07/2016	1135	ME1601029002	Total Kjeldahl Nitrogen as N mg/L	<0.5
PB3	24/08/2016	1207	ME1601180002	Total Kjeldahl Nitrogen as N mg/L	0.2
PB3	06/09/2016	1208	ME1601240002	Total Kjeldahl Nitrogen as N mg/L	0.7
PB3	27/10/2016	1140	ME1601510002	Total Kjeldahl Nitrogen as N mg/L	0.8
PB3	22/11/2016	1213	ME1601646002	Total Kjeldahl Nitrogen as N mg/L	0.8
PB3	21/12/2016	1142	ME1601801002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	21/12/2016	1142	ME1601801002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	25/01/2017	1101	ME1700124002	Total Kjeldahl Nitrogen as N mg/L	0.7
PB3	25/01/2017	1101	ME1700124002	Total Kjeldahl Nitrogen as N mg/L	0.7
PB3	21/02/2017	1157	ME1700243002	Total Kjeldahl Nitrogen as N mg/L	0.5
PB3	21/02/2017	1157	ME1700243002	Total Kjeldahl Nitrogen as N mg/L	0.5
PB3	22/03/2017	1415	ME1700413002	Total Kjeldahl Nitrogen as N mg/L	0.7
PB3	22/03/2017	1415	ME1700413002	Total Kjeldahl Nitrogen as N mg/L	0.7
PB3	26/04/2017	1128	ME1700582002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	26/04/2017	1128	ME1700582002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	19/05/2017	1231	ME1700709002	Total Kjeldahl Nitrogen as N mg/L	0.9
PB3	22/06/2017	1113	ME1700866002	Total Kjeldahl Nitrogen as N mg/L	0.5
PB3	24/07/2017	1158	ME1701008002	Total Kjeldahl Nitrogen as N mg/L	3.1
PB3	17/08/2017	1222	ME1701130002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	18/09/2017	1240	ME1701275002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	16/10/2017	1253	ME1701413002	Total Kjeldahl Nitrogen as N mg/L	0.4
PB3	21/11/2017	1308	ME1701588002	Total Kjeldahl Nitrogen as N mg/L	0.4
PB3	21/12/2017	1050	ME1701771002	Total Kjeldahl Nitrogen as N mg/L	0.2
PB3	11/01/2018	1248	ME1800056002	Total Kjeldahl Nitrogen as N mg/L	0.4
PB3	19/02/2018	1237	ME1800240002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	21/03/2018	1201	ME1800392002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	26/04/2018	1232	ME1800548002	Total Kjeldahl Nitrogen as N mg/L	0.7
PB3	22/05/2018	1216	ME1800676002	Total Kjeldahl Nitrogen as N mg/L	0.2
PB3	20/06/2018	1117	ME1800816002	Total Kjeldahl Nitrogen as N mg/L	<1
PB3	20/07/2018	1135	ME1800947002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	10/08/2018	1208	ME1801055002	Total Kjeldahl Nitrogen as N mg/L	1.1
PB3	17/09/2018	1152	ME1801223002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	23/10/2018	1310	ME1801391002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	22/11/2018	1059	ME1801533002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	18/12/2018	1202	ME1801653002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	14/01/2019	1324	ME1900052002	Total Kjeldahl Nitrogen as N mg/L	0.4
PB3	21/02/2019	1239	ME1900241002	Total Kjeldahl Nitrogen as N mg/L	0.4
PB3	18/03/2019	1226	ME1900366002	Total Kjeldahl Nitrogen as N mg/L	0.5
PB3	15/04/2019	1134	ME1900507002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	21/05/2019	1218	ME1900651002	Total Kjeldahl Nitrogen as N mg/L	0.5
PB3	13/06/2019	1203	ME1900760002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	15/07/2019	1023	ME1900896002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	20/08/2019	1210	ME1901071002	Total Kjeldahl Nitrogen as N mg/L	0.3

PB3	16/09/2019	1408	ME1901212002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	24/10/2019	1137	ME1901416002	Total Kjeldahl Nitrogen as N mg/L	0.4
PB3	18/11/2019	1207	ME1901522002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	17/12/2019	1241	ME1901703002	Total Kjeldahl Nitrogen as N mg/L	0.3
PB3	23/01/2020	1050	ME2000111002	Total Kjeldahl Nitrogen as N mg/L	0.8
PB3	12/02/2020	1200	ME2000226002	Total Kjeldahl Nitrogen as N mg/L	0.5
PB3	18/03/2020	1224	ME2000433002	Total Kjeldahl Nitrogen as N mg/L	0.8
PB3	21/04/2020	1209	ME2000603002	Total Kjeldahl Nitrogen as N mg/L	0.6
PB3	17/12/2015	1220	ME1510975002	Total Nitrogen as N mg/L	2.5
PB3	20/01/2016	1219	ME1600097002	Total Nitrogen as N mg/L	2.3
PB3	25/02/2016	1214	ME1600272002	Total Nitrogen as N mg/L	1.5
PB3	21/03/2016	1158	ME1600392002	Total Nitrogen as N mg/L	2
PB3	06/04/2016	1218	ME1600471002	Total Nitrogen as N mg/L	2.3
PB3	20/05/2016	1103	ME1600692002	Total Nitrogen as N mg/L	0.8
PB3	17/06/2016	1127	ME1600840002	Total Nitrogen as N mg/L	0.3
PB3	22/07/2016	1135	ME1601029002	Total Nitrogen as N mg/L	<0.5
PB3	24/08/2016	1207	ME1601180002	Total Nitrogen as N mg/L	0.2
PB3	06/09/2016	1208	ME1601240002	Total Nitrogen as N mg/L	0.7
PB3	27/10/2016	1140	ME1601510002	Total Nitrogen as N mg/L	0.8
PB3	22/11/2016	1213	ME1601646002	Total Nitrogen as N mg/L	0.8
PB3	21/12/2016	1142	ME1601801002	Total Nitrogen as N mg/L	0.6
PB3	21/12/2016	1142	ME1601801002	Total Nitrogen as N mg/L	0.6
PB3	25/01/2017	1101	ME1700124002	Total Nitrogen as N mg/L	0.7
PB3	25/01/2017	1101	ME1700124002	Total Nitrogen as N mg/L	0.7
PB3	21/02/2017	1157	ME1700243002	Total Nitrogen as N mg/L	0.5
PB3	21/02/2017	1157	ME1700243002	Total Nitrogen as N mg/L	0.5
PB3	22/03/2017	1415	ME1700413002	Total Nitrogen as N mg/L	0.7
PB3	22/03/2017	1415	ME1700413002	Total Nitrogen as N mg/L	0.7
PB3	26/04/2017	1128	ME1700582002	Total Nitrogen as N mg/L	0.7
PB3	26/04/2017	1128	ME1700582002	Total Nitrogen as N mg/L	0.7
PB3	19/05/2017	1231	ME1700709002	Total Nitrogen as N mg/L	0.9
PB3	22/06/2017	1113	ME1700866002	Total Nitrogen as N mg/L	0.5
PB3	24/07/2017	1158	ME1701008002	Total Nitrogen as N mg/L	3.1
PB3	17/08/2017	1222	ME1701130002	Total Nitrogen as N mg/L	0.3
PB3	18/09/2017	1240	ME1701275002	Total Nitrogen as N mg/L	0.3
PB3	16/10/2017	1253	ME1701413002	Total Nitrogen as N mg/L	0.4
PB3	21/11/2017	1308	ME1701588002	Total Nitrogen as N mg/L	0.4
PB3	21/12/2017	1050	ME1701771002	Total Nitrogen as N mg/L	0.2
PB3	11/01/2018	1248	ME1800056002	Total Nitrogen as N mg/L	0.4
PB3	19/02/2018	1237	ME1800240002	Total Nitrogen as N mg/L	0.6
PB3	21/03/2018	1201	ME1800392002	Total Nitrogen as N mg/L	0.6
PB3	26/04/2018	1232	ME1800548002	Total Nitrogen as N mg/L	0.7
PB3	22/05/2018	1216	ME1800676002	Total Nitrogen as N mg/L	0.2
PB3	20/06/2018	1117	ME1800816002	Total Nitrogen as N mg/L	<1
PB3	20/07/2018	1135	ME1800947002	Total Nitrogen as N mg/L	0.3
PB3	10/08/2018	1208	ME1801055002	Total Nitrogen as N mg/L	1.1
PB3	17/09/2018	1152	ME1801223002	Total Nitrogen as N mg/L	0.3

PB3	23/10/2018	1310	ME1801391002	Total Nitrogen as N mg/L	0.3
PB3	22/11/2018	1059	ME1801533002	Total Nitrogen as N mg/L	0.3
PB3	18/12/2018	1202	ME1801653002	Total Nitrogen as N mg/L	0.3
PB3	14/01/2019	1324	ME1900052002	Total Nitrogen as N mg/L	0.4
PB3	21/02/2019	1239	ME1900241002	Total Nitrogen as N mg/L	0.4
PB3	18/03/2019	1226	ME1900366002	Total Nitrogen as N mg/L	0.5
PB3	15/04/2019	1134	ME1900507002	Total Nitrogen as N mg/L	0.6
PB3	21/05/2019	1218	ME1900651002	Total Nitrogen as N mg/L	0.6
PB3	13/06/2019	1203	ME1900760002	Total Nitrogen as N mg/L	0.3
PB3	15/07/2019	1023	ME1900896002	Total Nitrogen as N mg/L	0.7
PB3	20/08/2019	1210	ME1901071002	Total Nitrogen as N mg/L	0.4
PB3	16/09/2019	1408	ME1901212002	Total Nitrogen as N mg/L	0.4
PB3	24/10/2019	1137	ME1901416002	Total Nitrogen as N mg/L	0.4
PB3	18/11/2019	1207	ME1901522002	Total Nitrogen as N mg/L	0.4
PB3	17/12/2019	1241	ME1901703002	Total Nitrogen as N mg/L	0.3
PB3	23/01/2020	1050	ME2000111002	Total Nitrogen as N mg/L	0.8
PB3	12/02/2020	1200	ME2000226002	Total Nitrogen as N mg/L	0.6
PB3	18/03/2020	1224	ME2000433002	Total Nitrogen as N mg/L	0.9
PB3	21/04/2020	1209	ME2000603002	Total Nitrogen as N mg/L	0.7
PB3	17/12/2015	1220	ME1510975002	Total Phosphorus as P mg/L	0.02
PB3	20/01/2016	1219	ME1600097002	Total Phosphorus as P mg/L	0.02
PB3	25/02/2016	1214	ME1600272002	Total Phosphorus as P mg/L	0.08
PB3	21/03/2016	1158	ME1600392002	Total Phosphorus as P mg/L	0.02
PB3	06/04/2016	1218	ME1600471002	Total Phosphorus as P mg/L	0.01
PB3	20/05/2016	1103	ME1600692002	Total Phosphorus as P mg/L	<0.01
PB3	17/06/2016	1127	ME1600840002	Total Phosphorus as P mg/L	<0.01
PB3	22/07/2016	1135	ME1601029002	Total Phosphorus as P mg/L	<0.01
PB3	24/08/2016	1207	ME1601180002	Total Phosphorus as P mg/L	<0.01
PB3	06/09/2016	1208	ME1601240002	Total Phosphorus as P mg/L	<0.01
PB3	27/10/2016	1140	ME1601510002	Total Phosphorus as P mg/L	0.02
PB3	22/11/2016	1213	ME1601646002	Total Phosphorus as P mg/L	<0.01
PB3	21/12/2016	1142	ME1601801002	Total Phosphorus as P mg/L	<0.01
PB3	21/12/2016	1142	ME1601801002	Total Phosphorus as P mg/L	<0.01
PB3	25/01/2017	1101	ME1700124002	Total Phosphorus as P mg/L	<0.01
PB3	25/01/2017	1101	ME1700124002	Total Phosphorus as P mg/L	<0.01
PB3	21/02/2017	1157	ME1700243002	Total Phosphorus as P mg/L	<0.01
PB3	21/02/2017	1157	ME1700243002	Total Phosphorus as P mg/L	<0.01
PB3	22/03/2017	1415	ME1700413002	Total Phosphorus as P mg/L	<0.01
PB3	22/03/2017	1415	ME1700413002	Total Phosphorus as P mg/L	<0.01
PB3	26/04/2017	1128	ME1700582002	Total Phosphorus as P mg/L	<0.01
PB3	26/04/2017	1128	ME1700582002	Total Phosphorus as P mg/L	<0.01
PB3	19/05/2017	1231	ME1700709002	Total Phosphorus as P mg/L	0.04
PB3	22/06/2017	1113	ME1700866002	Total Phosphorus as P mg/L	<0.01
PB3	24/07/2017	1158	ME1701008002	Total Phosphorus as P mg/L	<0.01
PB3	17/08/2017	1222	ME1701130002	Total Phosphorus as P mg/L	<0.01
PB3	18/09/2017	1240	ME1701275002	Total Phosphorus as P mg/L	<0.01
PB3	16/10/2017	1253	ME1701413002	Total Phosphorus as P mg/L	0.01

PB3	21/11/2017	1308	ME1701588002	Total Phosphorus as P mg/L	<0.01
PB3	21/12/2017	1050	ME1701771002	Total Phosphorus as P mg/L	<0.01
PB3	11/01/2018	1248	ME1800056002	Total Phosphorus as P mg/L	<0.01
PB3	19/02/2018	1237	ME1800240002	Total Phosphorus as P mg/L	<0.01
PB3	21/03/2018	1201	ME1800392002	Total Phosphorus as P mg/L	<0.01
PB3	26/04/2018	1232	ME1800548002	Total Phosphorus as P mg/L	<0.01
PB3	22/05/2018	1216	ME1800676002	Total Phosphorus as P mg/L	<0.01
PB3	20/06/2018	1117	ME1800816002	Total Phosphorus as P mg/L	<0.01
PB3	20/07/2018	1135	ME1800947002	Total Phosphorus as P mg/L	<0.01
PB3	10/08/2018	1208	ME1801055002	Total Phosphorus as P mg/L	<0.01
PB3	17/09/2018	1152	ME1801223002	Total Phosphorus as P mg/L	<0.01
PB3	23/10/2018	1310	ME1801391002	Total Phosphorus as P mg/L	<0.01
PB3	22/11/2018	1059	ME1801533002	Total Phosphorus as P mg/L	<0.01
PB3	18/12/2018	1202	ME1801653002	Total Phosphorus as P mg/L	<0.01
PB3	14/01/2019	1324	ME1900052002	Total Phosphorus as P mg/L	<0.01
PB3	21/02/2019	1239	ME1900241002	Total Phosphorus as P mg/L	<0.01
PB3	18/03/2019	1226	ME1900366002	Total Phosphorus as P mg/L	<0.01
PB3	15/04/2019	1134	ME1900507002	Total Phosphorus as P mg/L	<0.01
PB3	21/05/2019	1218	ME1900651002	Total Phosphorus as P mg/L	0.01
PB3	13/06/2019	1203	ME1900760002	Total Phosphorus as P mg/L	<0.01
PB3	15/07/2019	1023	ME1900896002	Total Phosphorus as P mg/L	<0.01
PB3	20/08/2019	1210	ME1901071002	Total Phosphorus as P mg/L	<0.01
PB3	16/09/2019	1408	ME1901212002	Total Phosphorus as P mg/L	<0.01
PB3	24/10/2019	1137	ME1901416002	Total Phosphorus as P mg/L	<0.01
PB3	18/11/2019	1207	ME1901522002	Total Phosphorus as P mg/L	<0.01
PB3	17/12/2019	1241	ME1901703002	Total Phosphorus as P mg/L	<0.01
PB3	23/01/2020	1050	ME2000111002	Total Phosphorus as P mg/L	<0.01
PB3	12/02/2020	1200	ME2000226002	Total Phosphorus as P mg/L	0.02
PB3	18/03/2020	1224	ME2000433002	Total Phosphorus as P mg/L	<0.01
PB3	21/04/2020	1209	ME2000603002	Total Phosphorus as P mg/L	<0.01
PB3	17/12/2015	1220	ME1510975002	Turbidity NTU	49.5
PB3	20/01/2016	1219	ME1600097002	Turbidity NTU	27.1
PB3	25/02/2016	1214	ME1600272002	Turbidity NTU	27.3
PB3	21/03/2016	1158	ME1600392002	Turbidity NTU	26.9
PB3	06/04/2016	1218	ME1600471002	Turbidity NTU	54.8
PB3	20/05/2016	1103	ME1600692002	Turbidity NTU	31.7
PB3	17/06/2016	1127	ME1600840002	Turbidity NTU	47.5
PB3	22/07/2016	1135	ME1601029002	Turbidity NTU	34.7
PB3	24/08/2016	1207	ME1601180002	Turbidity NTU	25
PB3	06/09/2016	1208	ME1601240002	Turbidity NTU	35
PB3	27/10/2016	1140	ME1601510002	Turbidity NTU	33.3
PB3	22/11/2016	1213	ME1601646002	Turbidity NTU	96.1
PB3	21/12/2016	1142	ME1601801002	Turbidity NTU	93.1
PB3	21/12/2016	1142	ME1601801002	Turbidity NTU	93.1
PB3	25/01/2017	1101	ME1700124002	Turbidity NTU	162
PB3	25/01/2017	1101	ME1700124002	Turbidity NTU	162
PB3	21/02/2017	1157	ME1700243002	Turbidity NTU	161

PB3	21/02/2017	1157	ME1700243002	Turbidity NTU	161
PB3	22/03/2017	1415	ME1700413002	Turbidity NTU	117
PB3	22/03/2017	1415	ME1700413002	Turbidity NTU	117
PB3	26/04/2017	1128	ME1700582002	Turbidity NTU	100
PB3	26/04/2017	1128	ME1700582002	Turbidity NTU	100
PB3	19/05/2017	1231	ME1700709002	Turbidity NTU	148
PB3	22/06/2017	1113	ME1700866002	Turbidity NTU	97.4
PB3	24/07/2017	1158	ME1701008002	Turbidity NTU	93.2
PB3	17/08/2017	1222	ME1701130002	Turbidity NTU	33.6
PB3	18/09/2017	1240	ME1701275002	Turbidity NTU	33.7
PB3	16/10/2017	1253	ME1701413002	Turbidity NTU	24.3
PB3	21/11/2017	1308	ME1701588002	Turbidity NTU	39.5
PB3	21/12/2017	1050	ME1701771002	Turbidity NTU	109
PB3	11/01/2018	1248	ME1800056002	Turbidity NTU	62.7
PB3	19/02/2018	1237	ME1800240002	Turbidity NTU	87.1
PB3	21/03/2018	1201	ME1800392002	Turbidity NTU	53.1
PB3	26/04/2018	1232	ME1800548002	Turbidity NTU	22.3
PB3	22/05/2018	1216	ME1800676002	Turbidity NTU	54.8
PB3	20/06/2018	1117	ME1800816002	Turbidity NTU	55.4
PB3	20/07/2018	1135	ME1800947002	Turbidity NTU	44.9
PB3	10/08/2018	1208	ME1801055002	Turbidity NTU	73.6
PB3	17/09/2018	1152	ME1801223002	Turbidity NTU	60.6
PB3	23/10/2018	1310	ME1801391002	Turbidity NTU	62.9
PB3	22/11/2018	1059	ME1801533002	Turbidity NTU	97
PB3	18/12/2018	1202	ME1801653002	Turbidity NTU	61.1
PB3	14/01/2019	1324	ME1900052002	Turbidity NTU	81.1
PB3	21/02/2019	1239	ME1900241002	Turbidity NTU	151
PB3	18/03/2019	1226	ME1900366002	Turbidity NTU	62.6
PB3	15/04/2019	1134	ME1900507002	Turbidity NTU	61.5
PB3	21/05/2019	1218	ME1900651002	Turbidity NTU	73
PB3	13/06/2019	1203	ME1900760002	Turbidity NTU	136
PB3	15/07/2019	1023	ME1900896002	Turbidity NTU	56
PB3	20/08/2019	1210	ME1901071002	Turbidity NTU	63.1
PB3	16/09/2019	1408	ME1901212002	Turbidity NTU	42.2
PB3	24/10/2019	1137	ME1901416002	Turbidity NTU	129
PB3	18/11/2019	1207	ME1901522002	Turbidity NTU	92.9
PB3	17/12/2019	1241	ME1901703002	Turbidity NTU	96.6
PB3	23/01/2020	1050	ME2000111002	Turbidity NTU	138
PB3	12/02/2020	1200	ME2000226002	Turbidity NTU	118
PB3	18/03/2020	1224	ME2000433002	Turbidity NTU	58.3
PB3	21/04/2020	1209	ME2000603002	Turbidity NTU	80.3
PB3	17/12/2015	1220	ME1510975002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	20/01/2016	1219	ME1600097002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	25/02/2016	1214	ME1600272002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/03/2016	1158	ME1600392002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	06/04/2016	1218	ME1600471002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	20/05/2016	1103	ME1600692002	Weak Acid Dissociable Cyanide mg/L	<0.004

PB3	17/06/2016	1127	ME1600840002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	22/07/2016	1135	ME1601029002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	24/08/2016	1207	ME1601180002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	06/09/2016	1208	ME1601240002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	27/10/2016	1140	ME1601510002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	22/11/2016	1213	ME1601646002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/12/2016	1142	ME1601801002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/12/2016	1142	ME1601801002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	25/01/2017	1101	ME1700124002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	25/01/2017	1101	ME1700124002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/02/2017	1157	ME1700243002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/02/2017	1157	ME1700243002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	22/03/2017	1415	ME1700413002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	22/03/2017	1415	ME1700413002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	26/04/2017	1128	ME1700582002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	26/04/2017	1128	ME1700582002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	19/05/2017	1231	ME1700709002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	22/06/2017	1113	ME1700866002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	24/07/2017	1158	ME1701008002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	17/08/2017	1222	ME1701130002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	18/09/2017	1240	ME1701275002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	16/10/2017	1253	ME1701413002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/11/2017	1308	ME1701588002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/12/2017	1050	ME1701771002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	11/01/2018	1248	ME1800056002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	19/02/2018	1237	ME1800240002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/03/2018	1201	ME1800392002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	26/04/2018	1232	ME1800548002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	22/05/2018	1216	ME1800676002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	20/06/2018	1117	ME1800816002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	20/07/2018	1135	ME1800947002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	10/08/2018	1208	ME1801055002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	17/09/2018	1152	ME1801223002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	23/10/2018	1310	ME1801391002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	22/11/2018	1059	ME1801533002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	18/12/2018	1202	ME1801653002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	14/01/2019	1324	ME1900052002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/02/2019	1239	ME1900241002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	18/03/2019	1226	ME1900366002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	15/04/2019	1134	ME1900507002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/05/2019	1218	ME1900651002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	13/06/2019	1203	ME1900760002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	15/07/2019	1023	ME1900896002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	20/08/2019	1210	ME1901071002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	16/09/2019	1408	ME1901212002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	24/10/2019	1137	ME1901416002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	18/11/2019	1207	ME1901522002	Weak Acid Dissociable Cyanide mg/L	<0.004

PB3	17/12/2019	1241	ME1901703002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	23/01/2020	1050	ME2000111002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	12/02/2020	1200	ME2000226002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	18/03/2020	1224	ME2000433002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	21/04/2020	1209	ME2000603002	Weak Acid Dissociable Cyanide mg/L	<0.004
PB3	17/12/2015	1220	ME1510975002	Zinc - Dissolved mg/L	0.866
PB3	20/01/2016	1219	ME1600097002	Zinc - Dissolved mg/L	1.08
PB3	25/02/2016	1214	ME1600272002	Zinc - Dissolved mg/L	0.944
PB3	21/03/2016	1158	ME1600392002	Zinc - Dissolved mg/L	1.03
PB3	06/04/2016	1218	ME1600471002	Zinc - Dissolved mg/L	1.44
PB3	20/05/2016	1103	ME1600692002	Zinc - Dissolved mg/L	1.27
PB3	17/06/2016	1127	ME1600840002	Zinc - Dissolved mg/L	0.89
PB3	22/07/2016	1135	ME1601029002	Zinc - Dissolved mg/L	0.845
PB3	24/08/2016	1207	ME1601180002	Zinc - Dissolved mg/L	0.776
PB3	06/09/2016	1208	ME1601240002	Zinc - Dissolved mg/L	0.747
PB3	27/10/2016	1140	ME1601510002	Zinc - Dissolved mg/L	0.716
PB3	22/11/2016	1213	ME1601646002	Zinc - Dissolved mg/L	0.585
PB3	21/12/2016	1142	ME1601801002	Zinc - Dissolved mg/L	0.661
PB3	21/12/2016	1142	ME1601801002	Zinc - Dissolved mg/L	0.661
PB3	25/01/2017	1101	ME1700124002	Zinc - Dissolved mg/L	0.71
PB3	25/01/2017	1101	ME1700124002	Zinc - Dissolved mg/L	0.71
PB3	21/02/2017	1157	ME1700243002	Zinc - Dissolved mg/L	0.743
PB3	21/02/2017	1157	ME1700243002	Zinc - Dissolved mg/L	0.743
PB3	22/03/2017	1415	ME1700413002	Zinc - Dissolved mg/L	0.813
PB3	22/03/2017	1415	ME1700413002	Zinc - Dissolved mg/L	0.813
PB3	26/04/2017	1128	ME1700582002	Zinc - Dissolved mg/L	0.922
PB3	26/04/2017	1128	ME1700582002	Zinc - Dissolved mg/L	0.922
PB3	19/05/2017	1231	ME1700709002	Zinc - Dissolved mg/L	0.854
PB3	22/06/2017	1113	ME1700866002	Zinc - Dissolved mg/L	0.971
PB3	24/07/2017	1158	ME1701008002	Zinc - Dissolved mg/L	1.01
PB3	17/08/2017	1222	ME1701130002	Zinc - Dissolved mg/L	0.769
PB3	18/09/2017	1240	ME1701275002	Zinc - Dissolved mg/L	0.715
PB3	16/10/2017	1253	ME1701413002	Zinc - Dissolved mg/L	0.616
PB3	21/11/2017	1308	ME1701588002	Zinc - Dissolved mg/L	0.598
PB3	21/12/2017	1050	ME1701771002	Zinc - Dissolved mg/L	0.502
PB3	11/01/2018	1248	ME1800056002	Zinc - Dissolved mg/L	0.407
PB3	19/02/2018	1237	ME1800240002	Zinc - Dissolved mg/L	0.453
PB3	21/03/2018	1201	ME1800392002	Zinc - Dissolved mg/L	0.382
PB3	26/04/2018	1232	ME1800548002	Zinc - Dissolved mg/L	0.444
PB3	22/05/2018	1216	ME1800676002	Zinc - Dissolved mg/L	0.417
PB3	20/06/2018	1117	ME1800816002	Zinc - Dissolved mg/L	0.413
PB3	20/07/2018	1135	ME1800947002	Zinc - Dissolved mg/L	0.447
PB3	10/08/2018	1208	ME1801055002	Zinc - Dissolved mg/L	0.397
PB3	17/09/2018	1152	ME1801223002	Zinc - Dissolved mg/L	0.358
PB3	23/10/2018	1310	ME1801391002	Zinc - Dissolved mg/L	0.394
PB3	22/11/2018	1059	ME1801533002	Zinc - Dissolved mg/L	0.35
PB3	18/12/2018	1202	ME1801653002	Zinc - Dissolved mg/L	0.341

PB3	14/01/2019	1324	ME1900052002	Zinc - Dissolved mg/L	0.321
PB3	21/02/2019	1239	ME1900241002	Zinc - Dissolved mg/L	0.349
PB3	18/03/2019	1226	ME1900366002	Zinc - Dissolved mg/L	0.318
PB3	15/04/2019	1134	ME1900507002	Zinc - Dissolved mg/L	0.256
PB3	21/05/2019	1218	ME1900651002	Zinc - Dissolved mg/L	0.28
PB3	13/06/2019	1203	ME1900760002	Zinc - Dissolved mg/L	0.272
PB3	15/07/2019	1023	ME1900896002	Zinc - Dissolved mg/L	0.25
PB3	20/08/2019	1210	ME1901071002	Zinc - Dissolved mg/L	0.258
PB3	16/09/2019	1408	ME1901212002	Zinc - Dissolved mg/L	0.261
PB3	24/10/2019	1137	ME1901416002	Zinc - Dissolved mg/L	0.263
PB3	18/11/2019	1207	ME1901522002	Zinc - Dissolved mg/L	0.266
PB3	17/12/2019	1241	ME1901703002	Zinc - Dissolved mg/L	0.251
PB3	23/01/2020	1050	ME2000111002	Zinc - Dissolved mg/L	0.245
PB3	12/02/2020	1200	ME2000226002	Zinc - Dissolved mg/L	0.332
PB3	18/03/2020	1224	ME2000433002	Zinc - Dissolved mg/L	0.377
PB3	21/04/2020	1209	ME2000603002	Zinc - Dissolved mg/L	0.435



