

Eviron Road Quarry Landfill
Annual Environmental Management Review 2020
Stage 1 (Application No.08_0068)

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Executive Summary

In December 2012, Council sought an approval from the NSW Department of Planning, Industry and Environment (formerly known as the Department of Planning and Infrastructure (DoPI)) to develop new waste infrastructure at Eviron Road, Eviron. Approval was granted (Project Approval 08_0068) following an environmental assessment prepared by GHD Pty Ltd (GHD) in accordance with the requirements of Part 3A of the Environmental Planning and Assessment Act 1979 (EP&A Act). This approval includes:

- A landfill within the void space created by Quirks Quarry
- Development of two further quarries to be used as landfills after exhaustion of quarry resources and
- Operational infrastructure such as haul roads, an acid sulphate soil treatment area and other service buildings/storage facilities as required.

Construction works under this approval have commenced for Stage 1 of the project which includes:

- Construction of a Haul Road from the existing Stott's Creek Resource Recovery Centre to the new landfill at Quirks Quarry; and
- Construction of a new landfill in the void of the existing Quirks Quarry; and
- Construction of a new quarry at the site known as the West Valley.

The purpose of this report is to satisfy the requirements of Schedule 6, Condition 6 of Project Approval 08_0068, namely that an Annual Review be produced detailing the works carried out in the previous twelve months, being the reporting period from 1 January 2020 to 31 December 2020. The works carried out during this period are summarised as follows:

Management Plans

In the 2020 reporting period no new management plans were prepared, however, Council continued negotiations with the NSW Department of Planning, Industry and Environment (DPIE) to obtain outstanding approvals for both the Biodiversity Offset Strategy and the Landscape Management Plan.

General Activities

During the 2020 reporting period, the following general activities were carried out at the site:

- Ongoing environmental baseline monitoring of groundwater and surface water as per the Environmental Assessment recommendations.
- Monitoring, maintenance and rectification (as required) of vegetation protection measures installed at the site.
- Monitoring, maintenance and rectification (as required) of environmental controls installed at the site.
- Extension of Council's Resource Recovery Order and Exemption for the importation and placement of excavated public road material within the alignment. The order and exemption was extended for an additional two years, until the 31st May 2022. In addition, the definition for the maximum volume of material permitted to be imported to the site under the order and exemption was clarified as meaning the total 'compacted' volume based on field surveys.

Construction Activities

Construction activities undertaken during the 2020 reporting period comprised of further works associated with the construction of the haul road. Specifically, these works included:

- Importation, placement and compaction of approximately 8,720m³ of loose imported fill material, including excavated public road material under Council's Resource Recovery Order and Exemption, June 2020. Imported fill material was placed along the length of the alignment, however, was concentrated in the soft soil areas between approximately CH0 and CH280.
- Completion of cross road culverts at CH90, CH130, CH240, CH310 and CH380.
- Management and maintenance of the fob activated boom gate at the entry to the site to manage, control and monitor all material coming into the site during construction.
- Installation, monitoring and maintenance of permanent and temporary erosion and sediment controls in current active areas of disturbance.

Biodiversity Offsets

During the 2020 reporting period ongoing maintenance and weed control within the planting areas was undertaken in accordance with the maintenance program for the site. Significant growth of planted trees and effective weed control, including stem injection of Camphor laurel, is providing a positive impact on the success of the planted biodiversity offset for this development.

Complaints

During the 2020 reporting period no complaints were received relating to the project.

Statement of Compliance

Table 1: Statement of compliance

Were all conditions of the relevant approval complied with	
Schedule 2	YES / NO
Schedule 3	YES / NO
Schedule 4	YES / NO
Schedule 6	YES / NO
Appendix 1	YES / NO

Table 2: Non compliances

Approval condition	Condition Description	Compliance Status	Comment
Schedule 4, Condition 29	By 31 December 2013, unless the Director-General agrees otherwise, the Proponent shall: (a) implement the biodiversity offset strategy as described in the EA, summarised in Table 9, and described and depicted in the figure in Appendix 4; and (b) make suitable arrangements, in consultation with OEH, to provide appropriate long term conservation security for Area 1, to the satisfaction of the Director-General.	Administrative non-compliance.	<p>The Biodiversity Offset Strategy was completed and submitted to NSW DoPI in 2013.</p> <p>An approval for the plan is still yet to be given, however, negotiations around ongoing protection of the offset areas progressed further during 2020.</p> <p>It is understood that DPIE has now endorsed Councils proposal to create easements over the planted biodiversity offset areas using covenant restrictions under Section 88b of the Conveyancing Act 1919.</p> <p>It is anticipated that the Biodiversity Offset Strategy will be approved in 2021.</p>

Introduction

Project Overview

Residents within the Tweed Shire Council (the Council) Local Government Area (LGA) currently generate approximately 100,000 tonnes of waste annually which is largely recycled or reused. A component of this waste, however, cannot be reused and therefore must be safely managed in landfill.

Waste within the Tweed is currently landfilled at Council's Stott's Creek Resource Recovery Centre, however, this facility is nearing its design capacity. In planning for the shires future landfill requirements, Council sought an approval from the NSW Department of Planning, Industry and Environment (formerly known as the Department of Planning and Infrastructure (DoPI)) in December 2012 to develop new waste infrastructure at Eviron Road, Eviron (Project Approval 08_0068). Approval was granted following an environmental assessment prepared by GHD Pty Ltd (GHD) in accordance with the requirements of Part 3A of the Environmental Planning and Assessment Act 1979 (EP&A Act). This approval includes:

- A landfill within the void space created by Quirks Quarry,
- Development of two further quarries to be used as landfills after exhaustion of quarry resources, and

- Operational infrastructure such as haul roads, an acid sulphate soil treatment area and other service buildings/storage facilities as required.

Construction works under this approval have commenced for Stage 1 of the project which includes:

- Construction of a Haul Road from the existing Stott's Creek Resource Recovery Centre to the new landfill at Quirks Quarry; and
- Construction of a new landfill in the void of the existing Quirks Quarry; and
- Construction of a new quarry at the site known as the West Valley.

Works carried out at the site to date comprise only of early works for the construction of the haul road. Works are yet to commence on the landfilling or quarrying components of Stage 1 of the project. A number of management plans have also been prepared for the project along with necessary site investigations and monitoring works. Environmental controls have also been installed as part of construction works for the haul road.

The purpose of this report is to satisfy the requirements of Schedule 6, Condition 6 of Project Approval 08_0068, namely that an Annual Review be produced detailing the works carried out in the previous twelve months, being the reporting period from 1 January 2020 to 31 December 2020.

The requirements of Condition 6 are provided in Table 3 below, with specific section references for each relevant section addressed in this document.

Table 3: Annual Review requirements (Condition 6 of Schedule 6 of Project Approval 08_0068)

Annual Review Requirement	
(a)	Describe the development (including rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year
(b)	Include a comprehensive review of the monitoring results and complaints records of the project over the previous calendar year, which includes a comparison of these results against: <ul style="list-style-type: none"> • The relevant statutory requirements, limits or performance measures/criteria; • The monitoring results of previous years; and • The relevant predictions in the EA;
(c)	Identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance
(d)	Identify any trends in the monitoring data over the life of the project
(e)	Identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies
(f)	Describe what measures will be implemented over the current calendar year to improve the environmental performance of the project

Project Location

The subject site is located at Eviron Road, Eviron, within the Tweed LGA. The site is approximately 16km north east of Murwillumbah and adjoins the existing Stott's Creek Resource Recovery Centre which is located to the north west of the site.

The Council owned site has an area of 136 hectares (excluding Stott’s Creek Resource Recovery Centre) which previously comprised Lot 1 of DP 34555, Lot 26 of DP 615931, and Lot 602 DP 1001049. Following a series of property acquisitions and boundary adjustments, the subject site now comprises Lot 1 DP 1159352, Lot 2 DP 1170442, Lot 1 DP 1170442, Lot 30 DP 820048, Lot 1 DP 34555, Lot 1 DP 783802 and Lot 25 DP 615931 (refer Figure 1 below and Appendix A).

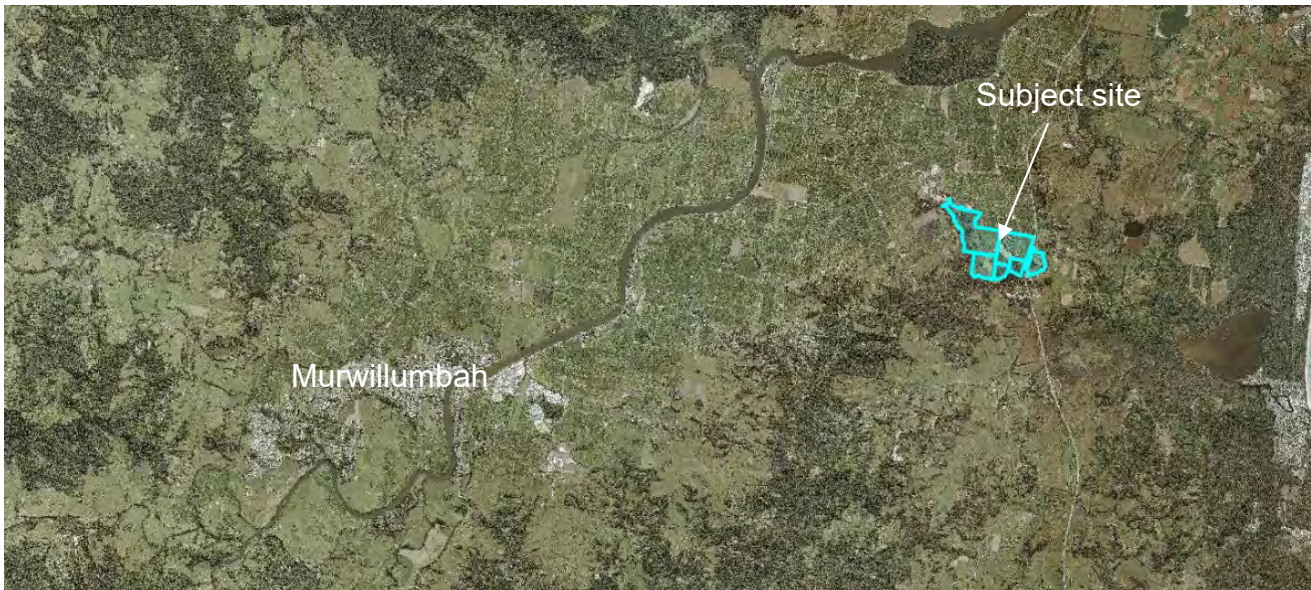


Figure 1: Aerial view showing locality of the site.

Key Personnel

Name	Position	Role	Phone No.	Email
Tracey Stinson	Director Sustainable Communities and Environment	Project Client	02 6670 2430	tstinson@tweed.nsw.gov.au
Rodney Dawson	Unit Coordinator – Resource Recovery	Project Client	02 6670 2659	rdawson@tweed.nsw.gov.au
Wes Knight	Coordinator – Resource Recovery	Project Client	02 6670 2595	wknight@tweed.nsw.gov.au
Athol Kiem	Technical Officer – Quarry Operations and Quality	Site Supervisor	02 6670 2716	atholk@tweed.nsw.gov.au
Jodie Wright	Construction Engineer	Project Manager	02 6670 2109	jwright@tweed.nsw.gov.au

Approvals

Project Approvals

Table 4: Project approvals applicable to the development

Approval Number	Approval Authority	Approval Date
MP08_0068	Minister for Planning and Infrastructure	21 November 2012

Management Plans

A number of management plans which are required under the project approval have been previously prepared and submitted to the Director General for necessary approval. A summary of these plans and their progress is presented in Table 5 below.

In the 2020 reporting period no new management plans were prepared, however, Council continued negotiations with the NSW Department of Planning, Industry and Environment to obtain outstanding approvals for both the Biodiversity Offset Strategy and the Landscape Management Plan.

Table 5: Status summary of management plans submitted under Project Approval 08_0068.

Management Plan	Summary	Status
Environmental Management Strategy	<p>Schedule 6, Condition 3 of Project Approval 08_0068, requires that an Environmental Management Strategy be prepared and implemented for the project to the satisfaction of the Director-General.</p> <p>The Environmental Management Strategy outlines all plans required under the approval, who is responsible for preparation of each plan, who is responsible for implementing each plan and who audits each plan within recommended timeframes.</p> <p>The Environmental Management Strategy was prepared and submitted to the Director General on 27 May 2014 and was granted approval by NSW DoPE on 4 June 2014.</p>	<p>✓ Completed - 27 May 2014</p> <p>✓ Approved - 4 June 2014</p>
Heritage Management Plan	<p>A Heritage Management Plan is required as per Schedule 4, Condition 28 of Project Approval 08_0068. This plan was prepared in consultation with the Tweed Byron Local Aboriginal Land Council and included a Heritage Awareness Induction for all those involved. To date any personnel attending the site have been inducted prior to commencement of any activities.</p> <p>The Heritage Management Plan was submitted to the Director General on 8 January 2014 and approved by the NSW DoPE on 4 June 2014.</p>	<p>✓ Completed - 8 January 2014</p> <p>✓ Approved - 4 June 2014</p>
Biodiversity Offset Strategy	<p>The Biodiversity Offset Strategy is a requirement of Schedule 4, Condition 29 of Project Approval 08_0068.</p> <p>A number of key commitments within the submitted strategy have been undertaken which include:</p> <ul style="list-style-type: none"> (i) Delineation of Vegetation Protection Areas on the site with bunting and signage that restricts access from site operations (refer Figure 1). (ii) Vegetation planting in the Northern Riparian Corridor and Southern Ridgeline Corridor in accordance with the Biodiversity Offset Restoration Plan. 	<p>✓ Completed - 18 December 2013</p> <p>X Awaiting Approval – Negotiations around ongoing protection of offset areas have progressed in 2020 and it is anticipated that the BOS will be approved in 2021.</p>

Management Plan	Summary	Status
White Laceflower Translocation Plan	<p>This plan is required as per Schedule 4, Condition 30 of Project Approval 08_0068. This plan was submitted 28 August 2013 and approved by NSW DoPE 4 June 2014.</p> <p>Upon implementation of the approved WLFTP, Council has been unsuccessful in sourcing local White Lace Flower (WLF) seed despite several attempts to survey and extract seeds at the project site and from WLF individuals within the surrounding areas of the Tweed Shire. In the absence of WLF seed, Council also attempted to propagate via cuttings which proved to be unsuccessful.</p> <p>Given the attempts that have been made to source seed without success, it was recommended in the independent environmental audit (2018 Eviron Road Quarry and Landfill Project: Environmental Audit, page 10) that the approved WLFTP be amended to discuss and justify the opportunity to source seed other than local seed.</p>	<p>✓ Completed - 28 August 2013</p> <p>✓ Approved - 4 June 2014</p> <p>✓ Amendment approved – September 2019</p>
Landscape Management Plan	<p>A Landscape Management Plan (LMP) is a requirement of Schedule 4, Condition 31 of Project Approval 08_0068. This plan was submitted to NSW DoPE 4 April 2014. NSW DoPE advised that further discussions would be required with the Office of Environment and Heritage.</p> <p>Under the provision of Condition 32, Schedule 4, a conservation and rehabilitation bond is to be lodged within six (6) months of the approval of the Landscape Management Plan. Once approval has been received, necessary arrangements will be made for lodgement of this bond.</p>	<p>✓ Completed - 4 April 2014</p> <p>X Awaiting Approval - The LMP will be finalised following approval of the BOP</p>

Operations Summary

Summary of Works Undertaken in 2020

General Activities

During the 2020 reporting period, the following general activities were carried out at the site:

- Ongoing environmental baseline monitoring of groundwater and surface water as per the Environmental Assessment recommendations.
- Monitoring, maintenance and rectification (as required) of vegetation protection measures installed at the site.
- Monitoring, maintenance and rectification (as required) of environmental controls installed at the site.
- Extension of Council's Resource Recovery Order and Exemption for the importation and placement of excavated public road material within the alignment. The order and exemption was extended for an additional two years, until the 31st May 2022. In addition, the definition for the maximum volume of material permitted to be imported to the site under the order and exemption was clarified as meaning the total 'compacted' volume based on field surveys.



Figure 2 – Erosion and sediment controls adjacent exposed areas.



Figure 3: Vegetation protection signage installed at the site.

Construction Activities

Construction activities undertaken during the 2020 reporting period comprised of further works associated with the construction of the haul road. Specifically, these works included:

- Importation, placement and compaction of approximately 8,720m³ of loose imported fill material, including excavated public road material under Council's Resource Recovery Order and Exemption, June 2020. Imported fill material was placed along the length of the alignment, however, was concentrated in the soft soil areas between approximately CH0 and CH280.
- Completion of cross road culverts at CH90, CH130, CH240, CH310 and CH380.
- Management and maintenance of the fob activated boom gate at the entry to the site to manage, control and monitor all material coming into the site during construction.

- Installation, monitoring and maintenance of permanent and temporary erosion and sediment controls in current active areas of disturbance.



Figure 4 – Material placed within haul road alignment looking north at approximately CH50.



Figure 5 – Material placed within haul road alignment looking north at approximately CH150.



Figure 6 – Material placed within haul road alignment looking north at approximately CH280.



Figure 7 – Material placed within haul road alignment looking south at approximately CH600.



Figure 8 – Material placed within haul road alignment looking north at approximately CH800.

Biodiversity Offsets

A total of 13,700 tube stock were planted at the site in 2017 in accordance with the submitted Biodiversity Offset Strategy. These works were aimed at improving the quality of corridor vegetation composition and connectivity through enhancement plantings, bush regeneration and weed control in two defined corridor alignments; being the Northern Riparian Corridor (NRC) and Southern Ridgeline Corridor (SRC) (refer Figure 9). During the 2020 reporting period ongoing maintenance and weed control within the planting areas was undertaken in accordance with the maintenance program for the site (refer Appendix B for annual report). Significant growth of planted trees and effective weed control, including stem injection of Camphor laurel, is providing a positive impact on the success of the planted biodiversity offset for this development.

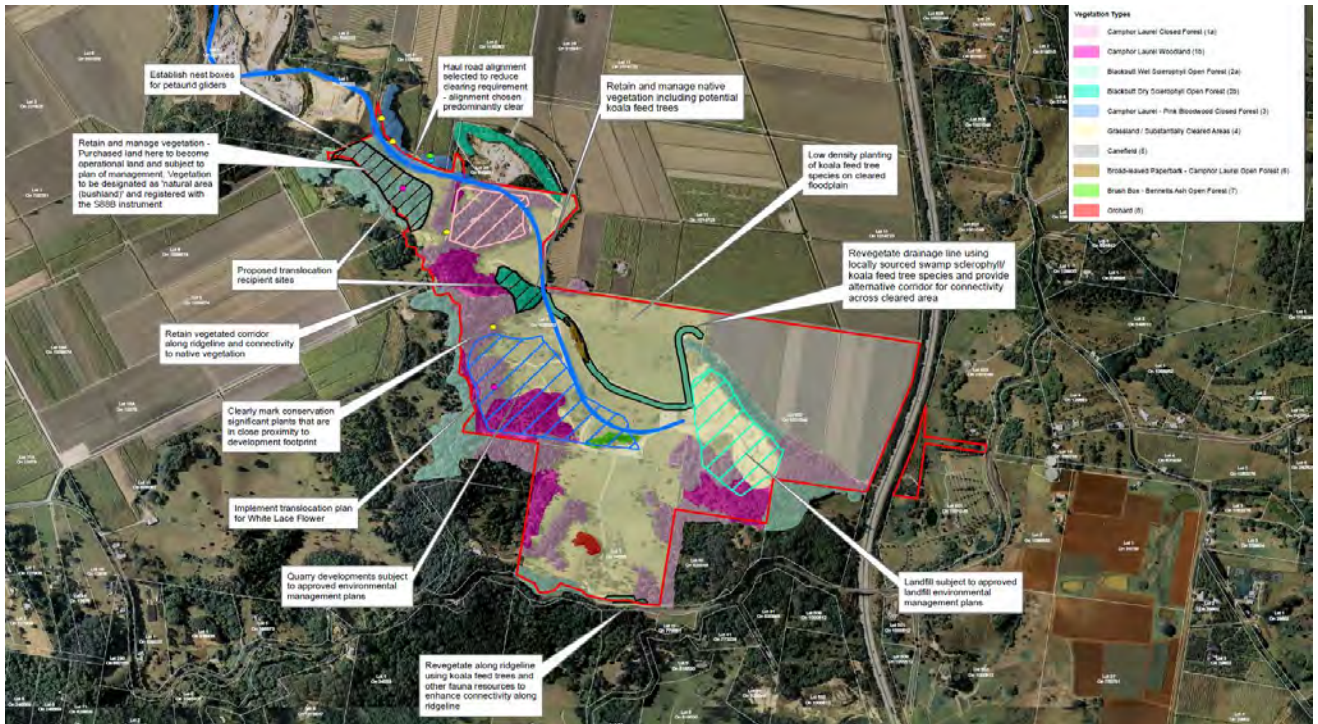


Figure 9 – Biodiversity offset plan.



Figure 10 – Vegetation growth and weed management within the SRC.



Figure 11 – Vegetation growth and Camphor laurel management within the SRC.



Figure 12 – Vegetation growth within the NRC as viewed from the haul road.

In relation to the nest boxes installed at the site, no monitoring or maintenance was undertaken during the 2020 reporting period. The third and final follow-up and maintenance inspection will take place during the 2021 reporting period as per the approved plan.

Actions Required from Previous Annual Review

No outstanding actions were identified from the previous annual return. Notwithstanding, in 2018 Council engaged Geolink Pty Lid to undertake an environmental audit of the site which identified a number of 'administrative non-compliances' and general observations. These items and the actions taken to address each item are listed in Table 7 below.

Table 7: Recommended actions from 2018 environmental audit.

Recommendation from Environmental Audit	Action Taken during 2020
<p><i>Section 3.1.1:</i> In light of TSC commencement of works as set out in the BOS which are technically unapproved, it is recommended TSC engage with DPE with the aim of obtaining approval from DPE for the BOS to ensure consistency.</p>	<p>During the 2020 reporting period, Council continued ongoing negotiations with the NSW Department of Planning, Industry and Environment in relation to obtaining approvals for both the Biodiversity Offset Strategy and the Landscape Management Plan.</p>
<p><i>Section 3.1.2:</i> The WLFTC was prepared by the TSC ecologist in the best interest of ensuring maintaining localised WLF genetics. Given the attempts that have been made to source seed without success, it is recommended that the WLFTP be amended to discuss and justify the opportunity to source seed other than local seed.</p>	<p>Action completed. The amended plan was submitted to the NSW Department of Planning, Industry and Environment and was approved in September 2019.</p>
<p><i>Section 3.1.3:</i> The works on-site have been minimal and restricted to placing settlement material on Stage 1 of Phase 1 of the Haul Road. Other works include offsetting works, weed management and revegetation. It is considered given the minor nature of the works that the failing to review the EMS quarterly is negligible. It is recommended this be reviewed annually.</p>	<p>The EMS was internally reviewed during the 2020 reporting period. Given the limited extent of works that has been undertaken at the site, the strategy is still considered relevant and does not need amending at this stage.</p>
<p><i>Section 3.1.4:</i> Ensure these documents are uploaded to the website.</p> <ul style="list-style-type: none"> - Restoration Plan (Preliminary) - Haul Road S&WMP - Nest Box Plan. 	<p>Action completed. Each of the outstanding documents was loaded onto the project website during the 2019 reporting period.</p>
<p><i>Section 3.1.5:</i> Fencing off sensitive areas is important to ensure compliance with the above requirements. Ensure that the flicker tape is in good working order and the fencing is in place.</p>	<p>Action completed. Ongoing monitoring of the condition of the flicker tape was undertaken during the 2020 reporting period.</p>
<p><i>Section 3.1.6:</i> Although technically the site establishment has commenced, major works have not. Works include placing settlement material on Stage 1 of Haul Road plus environmental works. It is recommended that before significant works</p>	<p>Works undertaken during the 2020 reporting period were only minor and were not considered to warrant the commencement of community consultation at this stage.</p>

Recommendation from Environmental Audit	Action Taken during 2020
commence on the Haul Road, community consultation occurs.	
<i>Section 3.1.7:</i> It is recommended that the nest box monitoring requirements be re-assessed based on the timing of the first monitoring round.	Action completed. The nest box monitoring program was modified as per the recommendation from the internal audit. The original monitoring program proposed to undertake follow-up monitoring in the 1 st , 2 nd and 5 th years after installation. Given the first years monitoring event was missed, the monitoring plan was modified so that monitoring occurred on the 2 nd , 3 rd and 5 th years after installation. The next monitoring event is scheduled to occur in 2021, being the 5 th year after installation.
<i>Section 3.1.8:</i> Recommend that periodic weed inspections are carried out and that the EMS is updated to reflect more accurate plant species.	Action completed. Council has engaged the services of a bush regeneration contractor to undertake regular weed management within the SRF and NRF revegetation zones.
<i>Section 3.1.9:</i> On the basis of the small amount of truck movement (<50 per annum) and the ease of access, it appears unnecessary to prepare a TMP at this stage of the construction. Recommend revisiting this requirement when more intense construction commences.	A total of 1421 vehicle movements were recorded at the site throughout the 12-month monitoring period, equating to approximately five vehicle movements per day during a working week. These volumes are still considered low at this stage of the development and do not warrant the preparation of a TMP for the moment.
<i>Section 3.1.10:</i> Given the Project Restoration Plan (PRP) is quite specific regarding the need to source local seed, propagate and include details of propagation, it is recommended that the PRP is amended (with justification) and re-issued.	During the 2020 reporting period a draft amendment to the PRP was prepared for internal review. The draft amendment will be finalised during the 2021 reporting period and submitted to DPIE for approval.
<i>Section 3.1.11 and 3.1.12:</i> Ensure erosion and sediment controls are repaired and installed and inspected from time to time.	Inspection and maintenance of erosion and sediment controls is undertaken at least quarterly and reported on by the Site Supervisor in a Quarterly Environmental Report.
<i>Section 3.1.13:</i> Although construction is minimal, it is recommended that inspection of erosion and sediment controls are undertaken, perhaps quarterly.	Inspection and maintenance of erosion and sediment controls is undertaken at least quarterly and reported on by the Site Supervisor in a Quarterly Environmental Report.

Environmental Performance

Given the limited extent of works that have been undertaken to date, it is too difficult to compare the environmental performance of the project against the predictions made within the EIS.

Notwithstanding, the environmental audit undertaken in 2018 determined that for the works completed so far, *“The level of awareness among staff of good environmental practice was generally satisfactory. Several examples of good environmental practices were observed during the site inspection. The findings obtained during this Audit shows that Eviron Road Quarry and Landfill is generally compliant with the Conditions of Approval, Statement of Commitments, and with relevant environmental legislation.”*

Water Management

Surface Water Quality

In 2008 Council implemented a baseline surface water monitoring program which occurs in the main drainage channel on the northern boundary of the site, adjacent to Quirks Quarry. This monitoring program comprises three (3) monitoring sites (SW1, SW2 and SW4) (refer Figure 15) which are sampled on a quarterly basis. A suite of parameters are tested during each monitoring event which are outlined in Table 9-7 of the Environmental Assessment. This suite of parameters is generally consistent with the requirements of the Environmental Guidelines: Solid Waste Landfills (EPA 1996).

For the suite of parameters that are monitored, there are currently no specific trigger values, however, the ANZECC/ARMCANZ freshwater guidelines continue to be used as a point of reference. Upon commencement of significant construction works, a range of operational trigger values will be developed for each site based on the collected baseline data. These trigger values will be applicable during quarrying and landfill activities and will feed into the Quarry Plan of Management and Landfill Environmental Plan. It is anticipated that once operations commence, the surface water monitoring program will be a specific requirement in the Environmental Protection Licences for the site.

The results of surface water monitoring and their graphs are provided in Appendix E and F. Surface water monitoring data continues to be considered baseline at this stage as no significant project works have been undertaken at the site. Nonetheless, a summary analysis of data trends to date for each monitoring site has been undertaken which is provided below. A more detailed analysis of data will be undertaken once substantial construction works are undertaken at the site.

SW1

SW1 is a surface water monitoring site with baseline data indicating that surface water in this location is fresh. The pH of surface water at this site varies between moderately acidic and neutral ranging between 5.6 and 6.7. Nutrient values at the site are typically low, however, a spike in BOD, total nitrogen and total phosphorus has been previously recorded in the past which extended over three monitoring periods between 09/08/2011 and 06/02/2012. This period coincides with a similar spike in suspended solids which is likely the result of significant rainfall during this period. The concentration of metals at the site are generally low, however, similar to that described above, a spike in total arsenic, total cadmium, total copper, total manganese and total nickel were all recorded the same rain event period. It is also noted that a spike in total phosphorus was recorded in the August 2019 monitoring event, however, this value had returned to background by the following monitoring event.

SW2

SW2 is a surface water monitoring site with baseline data indicating that surface water in this location is fresh. The pH of surface water at this site varies between strongly acidic and neutral ranging between 5.3 and 7.1. Nutrient values at the site are generally low with total nitrogen ranging between 0.3 and 2.7mg/L throughout the monitoring period. The concentration of metals at the site are also generally low and consistent with baseline monitoring data in the other surface water monitoring sites.

SW4

SW4 is a surface water monitoring site with baseline data indicating that surface water in this location is fresh. The pH of surface water at this site varies between moderately acidic and neutral ranging between 6.0 and 7.0. Nutrient values at the site are generally low with total nitrogen ranging between 0.2 and 2.8mg/L throughout the monitoring period. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the other surface water monitoring sites. It is noted, however, that concentrations of manganese and calcium are slightly elevated at this site.

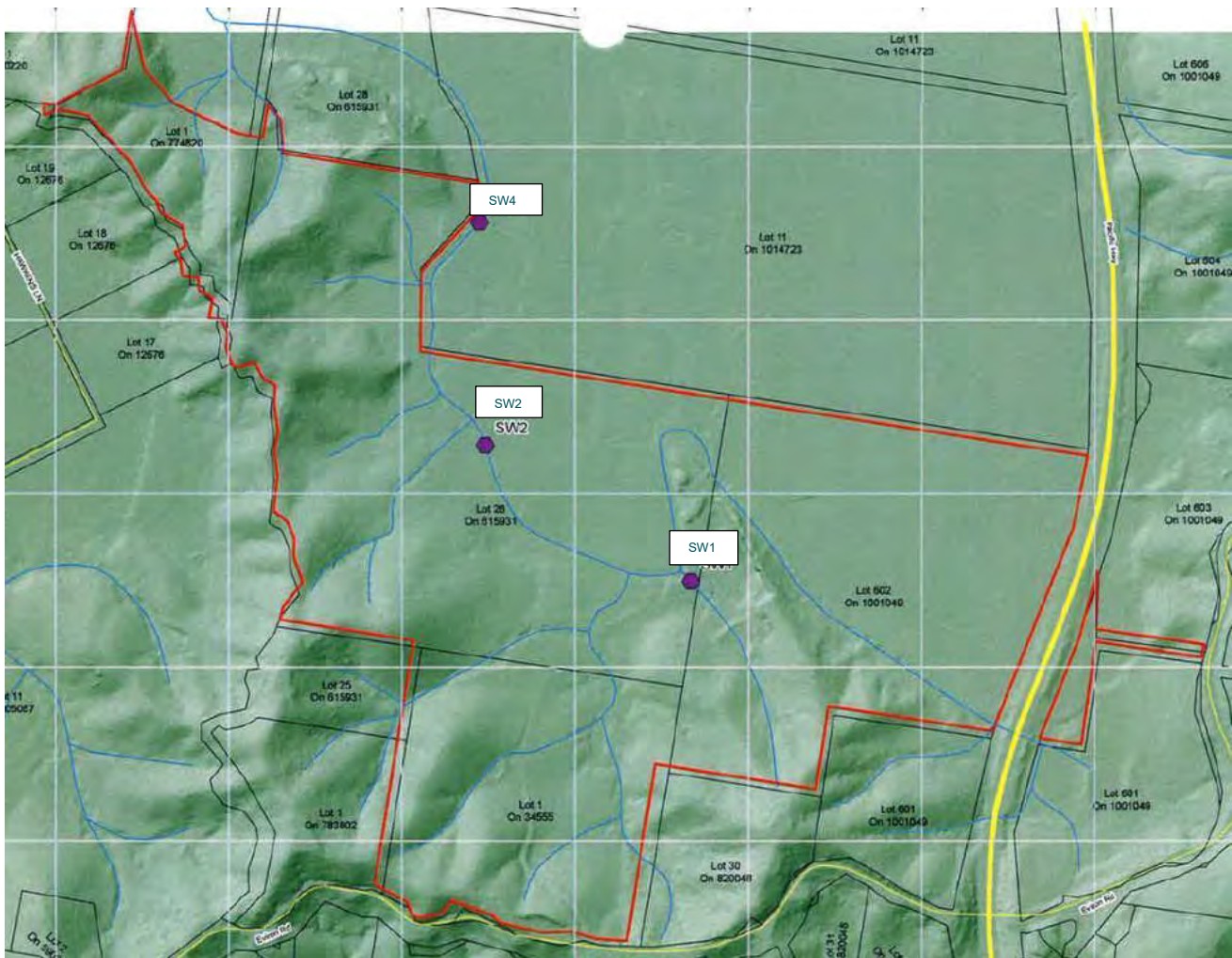


Figure 13 – Eviron surface water monitoring bores.

Groundwater Water Quality

There are currently nineteen (19) groundwater monitoring bores located on the site which are monitored on a quarterly basis, measuring both groundwater levels and groundwater quality (refer Figure 16).

Similar to the surface water monitoring program, there are currently no specific trigger values for groundwater at the site, however, the ANZECC/ARMCANZ freshwater guidelines continue to be used as a point of reference. Upon commencement of significant construction works, a range of operational trigger values will be developed for each site based on the collected baseline data. These trigger values will be applicable during quarrying and landfill activities and will feed into the Quarry Plan of Management and Landfill Environmental Plan. It is anticipated that once operations commence, the groundwater monitoring program will be a specific requirement in the Environmental Protection Licences for the site.

The results of groundwater monitoring and their graphs are provided in Appendix E and F. Groundwater monitoring data continues to be considered baseline at this stage as no significant project works have been undertaken at the site. Nonetheless, a summary analysis of data trends to date for each monitoring site has been undertaken which is provided below. A more detailed analysis of data will be undertaken once substantial construction works are undertaken at the site.



Figure 14 – Eviron Groundwater Monitoring Bore Locations.

GW1

GW1 is a bedrock monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity and alkalinity values which are recorded at the site. The pH of groundwater varies from very strongly acidic to slightly acidic ranging between 4.9 and 6.4. Nutrient values at the site are typically low with total nitrogen concentrations ranging between 0.1 and 1.8mg/L. The concentration of metals at this site are also considered to be generally low and stable. Notwithstanding, one monitoring event on the 14/11/2012 recorded a significant short-term spike in in the concentration of total chromium, total copper, total iron, total lead, total aluminium, total calcium, total manganese, total nickel and total zinc.

GW2

GW2 is an alluvial monitoring site with baseline monitoring data indicating that groundwater in this location is brackish. This is reflected in the relatively high concentration of conductivity, alkalinity, bicarbonate, total sodium, total chloride, and total calcium recorded at the site. Given the brackish nature of the groundwater, pH values at this site are generally neutral and stable, ranging between 6.7 and 7.1 throughout the monitoring period. Nutrient values at the site are generally low and stable, however, one moderate spike in concentration was recorded on the 09/02/2015 which is reflected in the results for ammonia, BOD, TKN and total nitrogen. The concentrations of metals at the site are generally characteristic of soils in this location and are consistent with the surrounding baseline monitoring data.

GW4

GW4 is an alluvial monitoring site with baseline monitoring data indicating that groundwater in this location is brackish. This is reflected in the relatively high concentration of conductivity, alkalinity, bicarbonate, total sodium, total chloride, and total calcium recorded at the site. Given the brackish nature of the groundwater, pH values at this site are generally neutral to slightly alkaline, ranging between 6.9 and 7.5 throughout the monitoring period. Nutrient values at the site are generally low and stable, however, one significant spike in concentration was recorded on the 09/02/2015 which is shown in the results for ammonia, BOD, TKN, total nitrogen and total phosphorus. An additional moderate spike in nutrient values was also recorded at this site during the 2016 and 2020 monitoring periods. The concentrations of metals at the site are generally characteristic of soils in this location and are consistent with the surrounding baseline monitoring data.

GW5

GW5 is a bedrock monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity, alkalinity and bicarbonate values which are recorded at the site. The pH of groundwater is strongly to extremely acidic ranging between 3.8 and 5.4. Nutrient values at the site are typically low with Total Nitrogen concentrations ranging between 0.3 and 4.1mg/L. With the exception of manganese which is considered to be high in this location, the concentration of metals at the site are generally characteristic of soils in this location and are consistent with the surrounding baseline monitoring data.

GW6

GW6 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity, alkalinity and bicarbonate values which are recorded at the site. The pH of groundwater varies between strongly acidic to slightly acidic ranging between 5.1 and 6.3. Nutrient values at the site are generally low and stable, however, one moderate spike in concentration was recorded on the 09/02/2015 which is reflected in the results for ammonia, BOD, TOC, TKN and total nitrogen. Similarly, a spike in Nitrate, Oxidised Nitrogen and Total Nitrogen was recorded during the 2020 reporting period. With the exception of nickel and zinc which appear to occur in high concentrations at the site relative to background levels, the concentrations of metals at the site are generally characteristic of soils in this location and are consistent with the surrounding baseline monitoring data.

GW7

GW7 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity, alkalinity and bicarbonate values which are recorded at the site. The pH of groundwater varies from extremely acidic to strongly acidic ranging between 4.2 and 5.5. Nutrient values at the site are generally low and stable, however, one moderate spike in concentration was recorded on the 13/02/2013 which is reflected in the results for BOD, nitrate, oxidised nitrogen, TOC, TKN and total nitrogen. Similarly, high levels of Nitrate, Oxidised Nitrogen, Total Nitrogen and Total Phosphorus were recorded during the 2020 reporting period. The concentrations of metals at the site are generally characteristic of soils in this location and are consistent with the surrounding baseline monitoring data.

GW8

GW8 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity, alkalinity and bicarbonate values which are recorded at the site. The pH of groundwater varies between strongly acidic and neutral ranging between 5.3 and 6.6. Nutrient values at the site are generally low and stable, with total nitrogen ranging between 0.6 and 3.1mg/L throughout the monitoring period. The concentrations of metals at the site are generally characteristic of soils in this location and are consistent with the surrounding baseline monitoring data. Notwithstanding, a significant spike in the concentration of nickel was recorded on the 13/11/2012 at this location which was high relative to background levels. In addition a significant spike in sulphate was recorded during the 2020 monitoring period which also coincided with a slight drop in pH.

GW9

GW9 is an alluvial monitoring site with baseline data indicating that groundwater at this site ranges between fresh and brackish. This is reflected in the elevated conductivity, sodium and chloride levels, however, it is noted that the alkalinity and bicarbonate values are generally low. The pH of groundwater varies between very strongly acidic and slightly acidic ranging between 4.8 and 6.2. Nutrient values at the site are generally low and stable, with total nitrogen ranging between 0.2 and 1.1mg/L throughout the monitoring period. The concentration of metals at the site are generally consistent with baseline monitoring data in the surrounding area, however, it is noted that total lead concentrations were slightly elevated at this site.

GW10

GW10 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity levels recorded during the monitoring period. The pH of groundwater varies between very strongly acidic and slightly acidic ranging between 4.8 and 6.3. Nutrient values at the site are generally low although slightly elevated against other surrounding baseline monitoring sites with total nitrogen ranging between 0.2 and 5.4mg/L throughout the monitoring period. It is noted that a spike in nutrients was observed at the site during the 2020 monitoring events as evidenced by a rise in ammonia, bicarbonate, total nitrogen and TKN. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area, however, a spike was recorded at the site which occurred on the 12/11/2013 and saw temporary elevated levels of chromium, aluminium, arsenic, copper, iron, lead, nickel and zinc. In addition, it is also noted that a significant spike in conductivity occurred on the 11/08/2015 which also coincided with spikes in chloride, sulfate, calcium, magnesium, manganese, nickel and sodium, and a drop in pH.

GW11

GW11 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity and alkalinity levels recorded during the monitoring period. The pH of groundwater varies between extremely acidic and moderately acidic ranging between 4.1 and 5.7. Nutrient values at the site are generally low although slightly elevated against other surrounding baseline monitoring sites with total nitrogen ranging between 0.4 and 3.2mg/L throughout the monitoring period. It is noted that a spike in nutrients was observed at the site during the 2020 monitoring period as observed in elevated levels of nitrate, oxidised nitrogen and total nitrogen. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area, however, a low level spike was recorded at the site on the 14/05/2014 which saw a short-term spike in the level of total aluminium, total chromium, total copper, total iron, total lead, total manganese, total nickel and zinc.

GW14

GW14 is a bedrock monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity and alkalinity levels recorded during the monitoring period. The pH of groundwater at this site is the lowest of all monitoring sites varying between extremely acidic and very strongly acidic ranging between 3.7 and 4.9. Nutrient values at the site are generally low with total nitrogen ranging between 0.5 and 3.5mg/L throughout the monitoring period. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area, however, slightly elevated levels of total aluminium, total chromium, total lead, total iron and total copper were recorded at the site during a low level spike that occurred on the 14/11/2012.

GW15

GW15 is a bedrock monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity and alkalinity levels recorded during the monitoring period. The pH of groundwater at this site varies between moderately acidic and neutral ranging between 5.6 and 6.9. Nutrient values at the site are generally low although two slightly elevated spikes were recorded on the 14/05/2014 and 11/11/2015. Total nitrogen concentrations at the site ranged between 0.2 and 6.4mg/L throughout the monitoring period. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area.

GW16

GW16 is a bedrock monitoring site with baseline data indicating that groundwater at this site is fresh. This is reflected in the low conductivity and alkalinity levels recorded during the monitoring period. The pH of groundwater at this site varies between very strongly acidic and neutral ranging between 4.6 and 6.8. Nutrient values at the site are generally low although slightly elevated against other surrounding baseline monitoring sites with total nitrogen ranging between 0.2 and 5.5mg/L throughout the monitoring period. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area. It is noted that the concentration of calcium is generally very low, although a very high spike in concentration was recorded on the 08/11/2011.

GW17

GW17 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. The pH of groundwater at this site varies between strongly acidic and slightly acidic ranging between 5.3 and 6.2. Nutrient values at the site are generally low with total nitrogen ranging between 1.1 and 2.4mg/L throughout the monitoring period. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area, however, it is noted that total arsenic, total chromium and calcium concentrations are slightly elevated.

GW19

GW19 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. The pH of groundwater at this site varies between moderately acidic and slightly alkaline ranging between 5.9 and 7.5. Nutrient values at the site are generally very low with total nitrogen ranging between 0.4 and 0.7mg/L throughout the monitoring period. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area.

GW20

GW20 is a bedrock monitoring site with baseline data indicating that groundwater at this site is fresh, although close to approaching brackish. This is reflected in the slightly elevated conductivity, alkalinity and bicarbonate levels recorded at the site. The pH of groundwater at this site varies between neutral and slightly alkaline ranging between 6.8 and 7.6. Nutrient values at the site are generally very low with total nitrogen ranging between 0.07 and 0.9mg/L throughout the monitoring period. The concentration of metals at the site are generally low and consistent with baseline monitoring data in the surrounding area. It is noted that the concentration of calcium and fluoride are slightly high in this location relative to surrounding monitoring sites.

GW21

GW21 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh which is reflected in the low conductivity levels recorded at the site. The pH of groundwater at this site varies between strongly acidic and neutral ranging between 5.3 and 6.6. Nutrient values at the site are very low with total nitrogen ranging between 0.05 and 0.3mg/L throughout the monitoring period. The concentration of metals at the site are also generally low and consistent with baseline monitoring data in the surrounding area.

GW22

GW22 is a bedrock monitoring site with baseline data indicating that groundwater at this site is slightly brackish as reflected in the elevated conductivity, alkalinity and bicarbonate levels recorded at the site. The pH of groundwater at this site is neutral, ranging between 6.5 and 7.0. Nutrient values at the site are generally very low with total nitrogen ranging between 0.2 and 1.05mg/L throughout the monitoring period. The concentration of metals at the site are also generally low and consistent with baseline monitoring data in the surrounding area. It is noted that elevated concentrations of anions and cations are present at site including calcium, fluoride, sodium and sulfate.

GW23

GW23 is an alluvial monitoring site with baseline data indicating that groundwater at this site is fresh. The pH of groundwater at this site varies between moderately acidic and neutral ranging between 6.0 and 6.8. Nutrient values at the site are very low with total nitrogen ranging between 0.05 and 0.8mg/L throughout the monitoring period. The concentration of metals at the site are also generally low and consistent with baseline monitoring data in the surrounding area. It is noted that the concentration of some anions and cations at the site are slightly elevated above other baseline sites, including calcium, chloride, fluoride and sodium.

Rehabilitation

Condition 35 of Schedule 3 states that *the Proponent shall rehabilitate the site to the satisfaction of the Director General. This rehabilitation must be generally consistent with the proposed rehabilitation strategy in the EA and depicted in Appendix 5, and comply with the following objectives (Refer Table 8):*

Table 8: Rehabilitation objectives for the subject site.

Feature	Objective
Site (as a whole)	Safe, stable and non-polluting
Quirks Quarry Landfill	Suitable for grazing
Benched Quarry Walls	Landscaped with native endemic flora species
Quarry Pit Floors	Suitable for grazing
Other land affected by the project	Restore ecosystem function, including maintaining or self-sustaining eco-systems comprising of native endemic species.
Surface Infrastructure	To be decommissioned and removed, unless the Director General agrees otherwise.

In relation to rehabilitation works, given the early stage of development to date, satisfying the rehabilitation objectives listed in the EA is currently not feasible. Notwithstanding, Council has commenced works under the Biodiversity Offset Strategy which in time will satisfy the rehabilitation requirement applying to 'Other land affected by the project', being to restore ecosystem function.

Community

During the 2020 reporting period no community engagement activities or initiatives were undertaken in relation to the proposal. Similarly, there were no community contributions to the project and there have been no complaints raised in relation to the works undertaken.

Independent Audit

Condition 10 of Schedule 6 of the project approval requires that within a year to the date of the approval, and every three years thereafter, unless the Director General directs otherwise, the proponent shall commission and pay the full cost of an Independent Environmental Audit for the project.

Given the delays in commencing the project and limited works that were undertaken initially, Council negotiated with the Department of Planning, Industry and Environment to postpone the commencement of the environmental audit until 2018 following a substantial commencement of works.

During August 2018 Council engaged GeoLINK Pty Ltd to carry out an environmental audit of the site. The environmental audit was completed on the 29th October 2018 and was provided to the NSW DoPE on the 2nd November 2018. As a summary, the outcome of the audit found that:

The commitment of Eviron Road Quarry and Landfill and its staff to the quarry's environmental management was apparent, and site operations, work practices and documentary records were found to be generally in compliance with the Conditions of Approval, Statement of Commitments and relevant legislation, and consistent with good Environmental practices.

In total there were eight Administrative Non-compliances and five Observations made that may improve environmental management on this site.

The level of awareness among staff of good environmental practice was generally satisfactory. Several examples of good environmental practices were observed during the site inspection. The findings obtained during this Audit shows that Eviron Road Quarry and Landfill is generally compliant with the Conditions of Approval, Statement of Commitments, and with relevant environmental legislation.

In accordance with the condition of approval, the next environmental audit will be undertaken during 2021.

Incidents and non-compliances during the reporting period

There were no environmental incidents or non-compliances recorded during the reporting period.

Activities to be completed in the next reporting period

Construction Activities

Construction works planned for 2021 would focus on the further importation of fill material and ongoing pre-loading within the soft soil areas of the alignment. Continual monitoring of settlement plates within the pre-load areas would be carried out to calculate the settlement rates relative to the design levels.

Specific timelines are yet to be finalised and are dependent on necessary compaction of pre-load areas as described above.

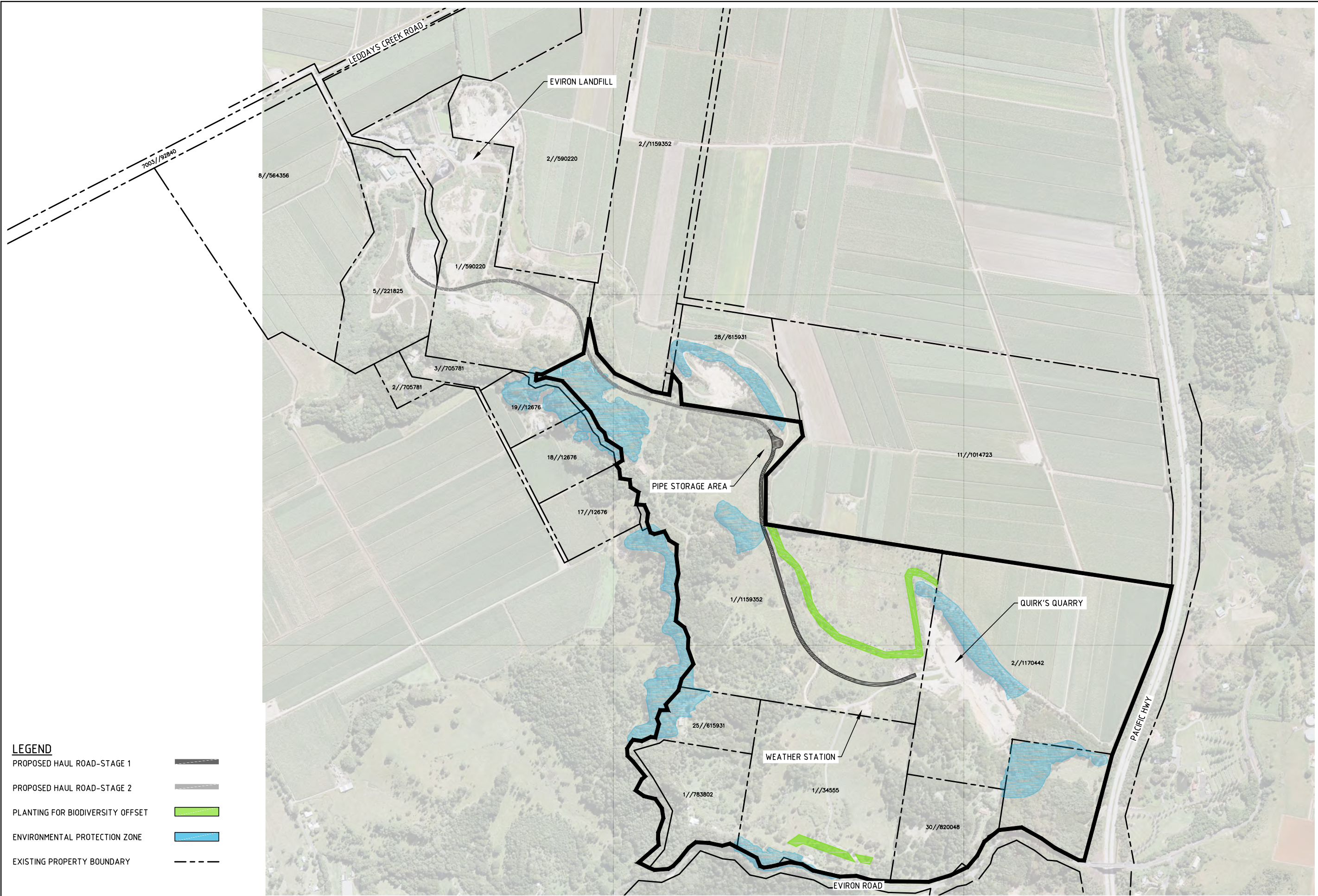
Environmental Management

Environmental monitoring and recording will continue at the site in accordance with the approved Environmental Management Plans submitted to date.






Continual reviews of the timelines for activities will be carried out to ensure they align with the Environmental Management Strategy.

Ongoing maintenance of the biodiversity offset plantings is proposed throughout 2021 which will include follow-up weed control of the NRC and SRC plantings, stem injection of remaining Camphor Laurels in SRC, planting of propagated Swamp Hibiscus, replacement of dead plants and ongoing monitoring.

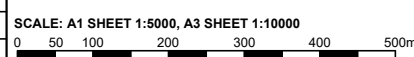
Appendix A – Site Plan



LEGEND

PROPOSED HAUL ROAD-STAGE 1	
PROPOSED HAUL ROAD-STAGE 2	
PLANTING FOR BIODIVERSITY OFFSET	
ENVIRONMENTAL PROTECTION ZONE	
EXISTING PROPERTY BOUNDARY	

PRELIMINARY
NOT FOR CONSTRUCTION



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DESIGNED	A.D.	22.03.17	COORDS ADOPTED	PM 124179
CHECKED	W.K.	22.03.17	EASTING	548869.775
HORIZONTAL DATUM	MGA	NORTHING	6869228.643	
VERTICAL DATUM	AHD	R.L.	1.252	

PROJECT: **EVIRON ROAD, EVIRON QUIRK'S QUARRY TO STOTTS LANDFILL HAUL ROAD**

PLAN TITLE: **SITE PLAN**

PROJECT NUMBER:	INF7
DRAWING NUMBER	INF7-SK-10
ISSUE	A

ACAD FILE No: G:_AAA DESIGN PROJECTS\INF7-STOTTS TO QUIRK'S HAUL ROAD\Drawings\ Misc Dwg\INF7-Overall Site Details.dwg

Appendix B – 2020 Restoration and Biodiversity Offset Annual Progress Report.



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Report Year 2

February 2021

Tweed Shire Council Eviron Quarry Revegetation Maintenance

Bushland Restoration Services (BRS) was contracted in January 2019 to undertake follow up weed control and restoration in two planted areas and adjoining vegetation at Eviron Quarry for a period of 24 months. The 24 month period is now completed.

Work Program

A site inspection with Council officers and BRS manager and team leader was conducted on 15th January 2021. A total of 57.5 person days have been worked during Year 1. A total of 43.5 days have been worked in Year 2. There are 22 days remaining to continue follow up to complete the contract.

The plantings were impacted by dense weeds and Camphor Laurel trees were established adjacent to the planting.

The following Table 1 is a schedule of days worked at the site over the 24 month period/.

Table 1 Days worked February 2019-2020

Month	February 2019	April	May	July	September	October	November 2019	January 2020
Days Worked	19	7	3	3	4	5.5	6	10
Month	February 2020	March	April	June	August	September	November 2020	January 2021
Days Worked	3	7.5	3	4	4	8	4	10

The work that commenced in February 2019 and continued through 2019 concentrated on reducing the density of weeds that had established on the site and grown over many of the plantings. Camphor laurel was also controlled by drill and inject during the year. Year 2 work has continued on a regular basis to control mainly groundcover weeds such as introduced grasses and annuals and emerging woody weeds such as tobacco bush, giant devil's fig and camphor laurel. Additional camphor laurel have been drill and injected.

Due to the previous density of groundcover and woody weeds in the two planting areas regular follow up weed control was required.

The site required less days for follow up during the drier autumn and winter from May to November.

Rain in December resulted in a flush of annual groundcover weeds such as cotton bush, thistles, blackberry nightshade and exotic grasses which has required control.

Follow up continued through to and including January 2021.

The plantings improved in condition with the removal of impacting weeds which has resulted in an increase of height and density. Exotic grasses were controlled within and on edges of patches of the native kangaroo grass.

Natural regeneration has increased during year 2 and included the native swamp rice grass replacing introduced grasses.

Weeds such as groundsel, giant devil's fig and tall exotic grasses are present in adjacent areas.

Gaps remain within the plantings and infill planting could be undertaken.

The whole of the site including the plantings and regeneration area has improved significantly in condition though weeds continue to persist. Weed control is required to continue in February and March 2021 due to the excellent growing conditions for weeds.

Tracks leading to and within the site required regular slashing by Tweed Shire Council.

Recommendations

- Continue regular follow up throughout the two plantings and adjacent areas worked in Years 1 and 2. Estimate 40 person days required in Year 3. There are 22 days remaining on current contract;
- Control priority "Containment" weeds groundsel and giant devil's fig and other invasive weeds in adjoining area;
- Consider infill plantings in gaps; and
- Regular slashing of tracks by Tweed Shire Council to reduce seed source and ease of access to and within the site.

Photopoints February 2020 and February 2021



SRC T2 pp2 2020



SRC T2 pp2 2021



SRC T1 PP 2 2020



NRC T1 PP2 2021



SRC T1 PP1 2020

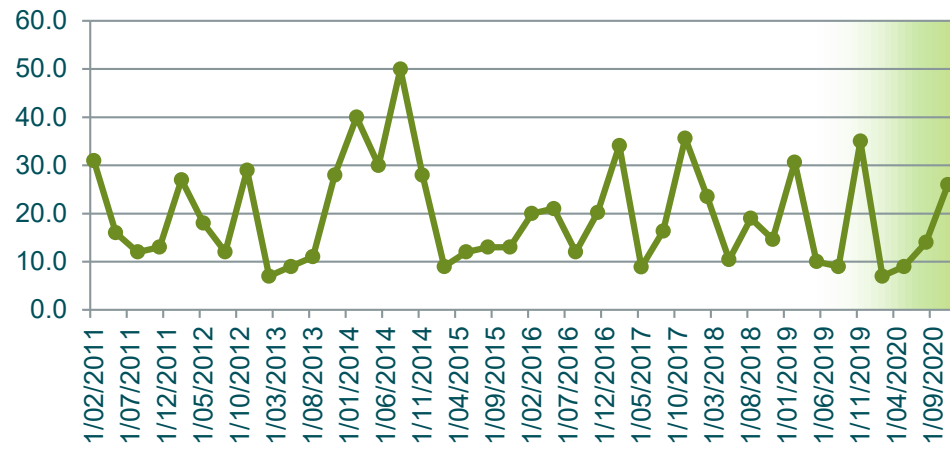


NRCT1PP12021

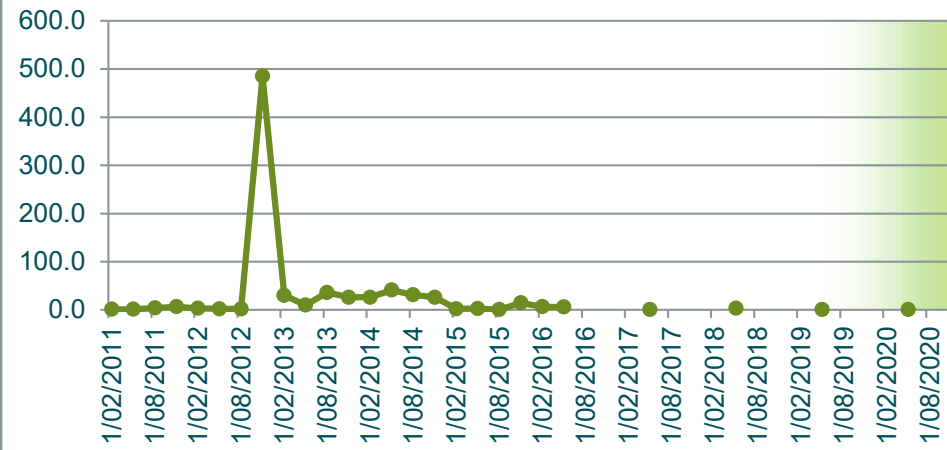
Appendix C – Water Quality Monitoring Data

GW1	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phenol Alkalinity mg/L as CaCO3	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m
1/02/2011	31.0	1.1	0.1	0.0	19.0	1.0	0.0	4.8	34.0	0.0	0.0	0.0	184	0.0	1.6	0.1	1.0	0.0	2.5	0.2	0.0	0.1	0.1	0.1	0.3	6.2		0.1	5.0	381	16.0	4.1	21.6	0.3	2.1	39	0.1	
11/05/2011	16.0	1.1	0.1	0.0	10.0	1.6	0.0	2.7	35.0	0.0	0.0	0.0	181	0.0	3.1	0.1	0.8	0.0	2.6	0.1	0.0	0.1	0.1	0.1	0.2	4.9		0.1	5.0	271	15.0	5.2	20.1	0.2	1.3	48	0.0	
10/08/2011	12.0	3.9	0.1	0.0	7.0	1.8	0.0	2.7	34.0	0.0	0.0	0.0	179	0.0	2.9	0.0	2.5	0.0	3.4	0.2	0.0	0.1	0.1	0.1	0.2	5.3		0.1	5.0	307	21.0	5.4	20.0	0.1	1.5	45	0.0	
9/11/2011	13.0	6.6	0.0	0.0	8.0	6.3	0.0	3.6	36.0	0.0	0.0	0.0	154	0.0	2.5	0.1	5.0	0.0	4.2	0.2	0.0	0.1	0.0	0.1	0.2	5.4		0.1	5.0	310	13.0	8.1	20.2	0.1	0.7	50	0.0	
7/02/2012	27.0	3.0	0.0	0.0	16.0	2.4	0.0	6.1	39.0	0.0	0.0	0.0	211	0.0	1.4	0.1	2.6	0.0	4.2	0.2	0.0	0.1	0.0	0.1	0.2	5.7		0.6	5.0	197	30.0	9.0	20.5	0.1	0.3	58	0.0	
9/05/2012	18.0	2.1	0.0	0.0	11.0	2.1	0.0	3.8	34.0	0.0	0.0	0.0	171	0.0	4.5	0.0	1.5	0.0	3.3	0.1	0.0	0.2	0.0	0.2	0.3	5.6		0.1	5.0	273	19.0	6.1	20.5	0.1	4.5	42	0.1	
7/08/2012	12.0	1.7	0.0	0.0	7.0	1.5	0.0	2.8	31.0	0.0	0.0	0.0	160	0.0	1.0	0.0	1.0	0.0	3.2	0.1	0.0	0.0	0.0	0.1	5.2		0.1	5.0	239	14.0	5.4	18.9	0.1	0.7	28	0.0		
14/11/2012	29.0	485	0.0	0.2	18.0	1.8	0.0	5.5	56.0	0.2	0.2	0.0	266	1.2	1.4	0.1	581	0.9	4.9	9.4	0.3	0.1	0.0	0.1	0.5	5.2		0.8	5.0	138	25.0	7.6	20.5	0.5	0.8	101	1.9	
14/02/2013	7.0	30.0	0.1	0.0	4.0	1.0	0.0	2.1	27.0	0.0	0.0	0.0	130	0.0	3.1	0.0	31.0	0.0	2.2	0.5	0.0	0.2	0.0	0.2	0.6	5.3		0.2	5.0	207	16.0	5.2	20.8	0.5	1.3	37	0.1	
15/05/2013	9.0	9.7	0.0	0.0	5.0	1.5	0.0	2.5	32.0	0.0	0.0	0.0	136	0.0	4.2	0.0	7.1	0.0	2.2	0.1	0.0	0.1	0.0	0.1	0.4	5.4		0.2	5.0	156	17.0	4.8	20.6	0.3	1.3	63	0.2	
7/08/2013	11.0	36.0	0.1	0.0	7.0	1.0	0.0	3.5	40.0	0.0	0.0	0.0	150	0.0	2.1	0.1	28.0	0.0	2.5	0.5	0.0	0.1	0.0	0.1	0.6	5.5		0.5	5.0	60	21.0	4.5	19.8	0.5	1.0	77	0.2	
13/11/2013	28.0	26.0	0.1	0.0	17.0	1.0	0.0	8.7	59.0	0.0	0.0	0.0	289	0.0	1.6	0.1	23.0	0.0	6.3	0.8	0.0	0.1	0.0	0.1	0.6	5.7		0.2	5.0	148	37.0	10.0	20.5	0.5	0.6	71	0.1	
12/02/2014	40.0	26.0	0.1	0.0	24.0	1.0	0.0	9.8	70.0	0.0	0.0	0.0	328	0.0	1.2	0.1	26.0	0.0	6.5	1.0	0.0	0.1	0.0	0.1	0.7	5.9		0.2	5.0	77	43.0	13.0	21.0	0.6	0.7	187	0.3	
14/05/2014	30.0	41.0	0.7	0.0	18.0	8.1	0.0	5.6	54.0	0.0	0.0	0.0	282	0.1	1.9	0.1	50.0	0.1	4.5	1.1	0.0	0.2	0.0	0.2	1.8	5.7		0.4	5.0	19	34.0	11.0	20.1	1.7	1.6	68	0.2	
13/08/2014	50.0	31.0	0.1	0.0	30.0	1.0	0.0	13.0	77.0	0.0	0.0	0.0	375	0.0	1.3	0.1	20.0	0.0	7.8	0.6	0.0	0.1	0.0	0.1	0.6	6.3		0.3	5.0	149	53.0	13.0	20.4	0.5	0.5	159	0.1	
11/11/2014	28.0	26.0	0.0	0.0	17.0	2.1	0.0	6.7	60.0	0.0	0.0	0.0	262	0.0	3.1	0.0	18.0	0.0	5.5	0.4	0.0	0.1	0.0	0.1	0.8	6.1		0.2	5.0	78	37.0	10.0	21.3	0.8	1.0	67	0.1	
10/02/2015	9.0	2.2	0.0	0.0	6.0	1.0	0.0	2.1	28.0	0.0	0.0	0.0	122	0.0	2.6	0.0	0.8	0.0	1.8	0.0	0.0	0.2	0.0	0.2	0.5	6.4		0.1	5.0	88	16.0	6.4	21.4	0.3	2.5	36	0.0	
12/05/2015	12.0	2.4	0.0	0.0	7.0	2.7	0.0	2.4	27.0	0.0	0.0	0.0	130	0.0	5.7	0.0	1.2	0.0	2.4	0.1	0.0	0.2	0.0	0.2	0.4	5.6		0.1	5.0	165	18.0	4.9	21.4	0.2	1.6	30	0.0	
12/08/2015	13.0	0.5	0.0	0.0	13.0	2.1	0.0	3.6	32.0	0.0	0.0	0.0	149	0.0	2.3	0.0	0.3	0.0	3.1	0.1	0.0	0.0	0.0	0.0	0.2	5.6		0.0	5.0	116	19.0	4.5	18.0	0.1	0.8	67	0.0	
11/11/2015	13.0	14.3	0.0	0.0	13.0	1.5	0.0	4.2	40.0	0.0	0.0	0.0	177	0.0	3.2	0.0	10.6	0.0	4.0	0.2	0.0	0.2	0.0	0.2	0.8	5.4		0.2	5.0	123	23.0	5.0	20.5	0.6	0.8	74	0.1	
9/02/2016	20.0	6.6	0.0	0.0	20.0	1.0	0.0	5.1	53.0	0.0	0.0	0.0	238	0.0	1.0	0.0	3.8	0.0	4.9	0.1	0.0	0.1	0.0	0.1	0.5	5.5		0.3	5.0	192	29.5	7.3	21.1	0.4	0.6	97	0.0	
10/05/2016	21.0	5.7	0.0	0.0	21.0	1.0	0.0	3.5	40.0	0.0	0.0	0.0	180	0.0	1.5	0.0	3.0	0.0	3.4	0.1	0.0	0.1	0.0	0.1	0.3	5.4		0.2	5.0	184	22.5	5.8	21.5	0.2	1.5	71	0.1	
10/08/2016	12.0		0.0		12.0	1.0		3.1	36.0				166		5.3	0.1			3.5			0.0	0.0	0.0	0.2	5.2		0.0	5.0	292	21.2	6.1	19.8	0.1	1.1	81		
8/11/2016	20.2		0.0		20.0	1.8		5.9	46.0				202		2.5	0.0			4.7			0.0	0.0	0.0	0.1	5.5		0.1	5.0	356	25.4	7.2	22.4	0.1	2.6	89		
8/02/2017	34.1		0.0		34.0	1.5		8.3	58.0				288		1.6	0.1			5.9			0.0	0.0	0.0	0.4	5.6		0.1	5.0	357	33.7	9.6	22.2	0.4	1.6	113		
9/05/2017	8.9	0.9	0.1	0.0	9.0	1.2	0.0	1.8	23.0	0.0	0.0	0.0	110	0.0	3.0	0.1	0.7	0.0	1.8	0.0	0.0	0.2	0.0	0.2	0.5	5.4		0.1	5.0	406	15.1	6.1	21.0	0.3	1.8	41	0.1	
9/08/2017	16.4		0.0		16.0	1.0		2.5	35.0				135		5.8	0.0			2.6			0.1	0.0	0.1	0.2	5.4		0.0	5.0	407	17.4	4.8	20.3	0.1	1.8	29		3.0
8/11/2017	35.6		0.8		36.0	5.1		7.6	58.0				289		1.0	0.1			5.7			0.0	0.0	0.0	1.3	5.7		0.3	5.0	105	34.6	8.1	20.0	1.3	2.7	64		4.8
14/02/2018	23.5		0.0		24.0	2.4		5.3	43.0				216		3.1	0.0			4.2			0.0	0.0	0.0	0.5	5.6		0.1	5.0	190	28.0	6.9	20.9	0.4	1.8	66		6.0
9/05/2018	10.4	3.2	0.0	0.0	10.0	2.1	0.0	2.3	28.5	0.0	0.0	0.0	138	0.0	1.8	0.0	1.4	0.0	2.5	0.0	0.0	0.4	0.0	0.4	0.8	5.3		0.2	0.6	267	18.2	6.0	21.2	0.3	1.4	60	0.0	2.3
15/08/2018	19.0		0.0		19.0	1.8		4.6	40.0				194		5.0	0.0			4.2			0.3	0.0	0.3	0.5	5.6		0.1	0.5	375	27.0	7.1	20.4	0.2	3.8	54		5.9
14/11/2018	14.6		0.0		15.0	2.4		3.7	30.0				153		3.6	0.0			3.0			0.1	0.0	0.1	0.3	5.7		0.1	0.5	203	21.2	6.5	21.5	0.2	1.9	47		4.6
13/02/2019	30.6		0.4		31.0	3.6		6.9	47.5				237		1.3	0.1			4.6			0.1	0.0	0.1	1.2	5.9	0.0	0.2	0.9	130	31.4	8.7	23.0	1.1	2.7	55		6.5
15/05/2019	10.0	0.4	0.3	0.0	10.0	1.5	0.0	2.9	34.0	0.0	0.0	0.0	145	0.0	3.3	0.0	0.8	0.0	2.7	0.1	0.0	0.3	0.0	0.3	0.8	5.6	0.0	0.2	0.7	62	21.0	4.1	21.1	0.5	1.9	31	0.1	4.8
14/08/2019	9.0		0.0		9.0	1.0		3.4	36.0				162		5.6	0.0			3.7			0.2	0.0	0.2	0.3	5.5	0.0	0.1	0.5	340	21.0	6.3	20.0	0.2	0.7	37		4.1
13/11/2019	35.0		0.0		35.0	3.0		8.9	60.0				300		2.2	0.1			6.2			0.2	0.0	0.2	0.8	5.9	0.0	0.4	1.1	170	37.0	11.0	21.4	0.7	1.3	52		6.8
26/02/2020	7.0		0.0		7.0	1.0		1.6	25.0				107		4.2	0.1			1.8			0.2	0.0	0.2	0.5	5.4	0.0	0.1	0.5	210	14.0	5.0	21.7	0.3	2.2	26.0		1.0
13/05/2020	9.0	0.7	0.0	0.0	9.0	1.0	0.0	2.3	28.0	0.0	0.0	0.0	114	0.0	3.8	0.1	0.4	0.0	1.9	0.0	0.0	0.3	0.0	0.3	0.4	5.6	0.0	0.1	0.5	173	15.0	5.5	21.3	0.1	1.8	22.0	0.0	3.4
12/08/2020	14.0		0.0		14.0	1.0		3.2	34.0				159		4.3	0.0			3.7			0.0																

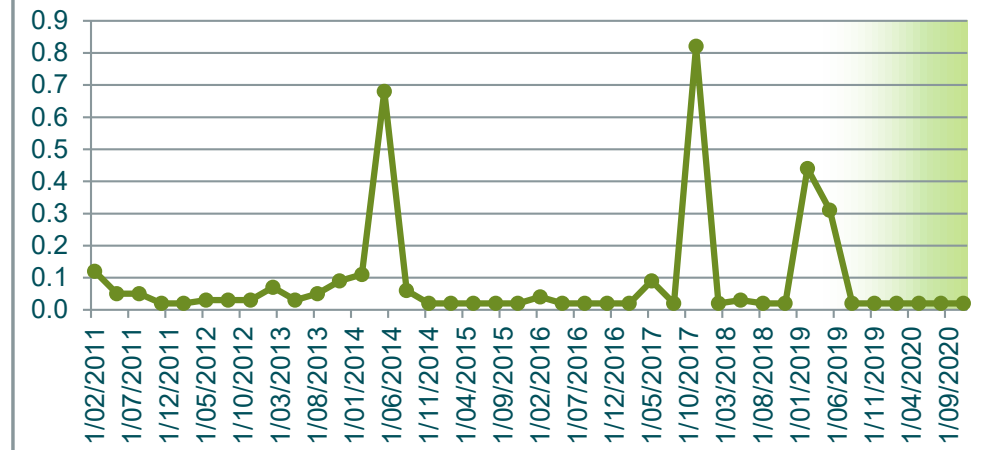
Alkalinity
mg/L as CaCO3



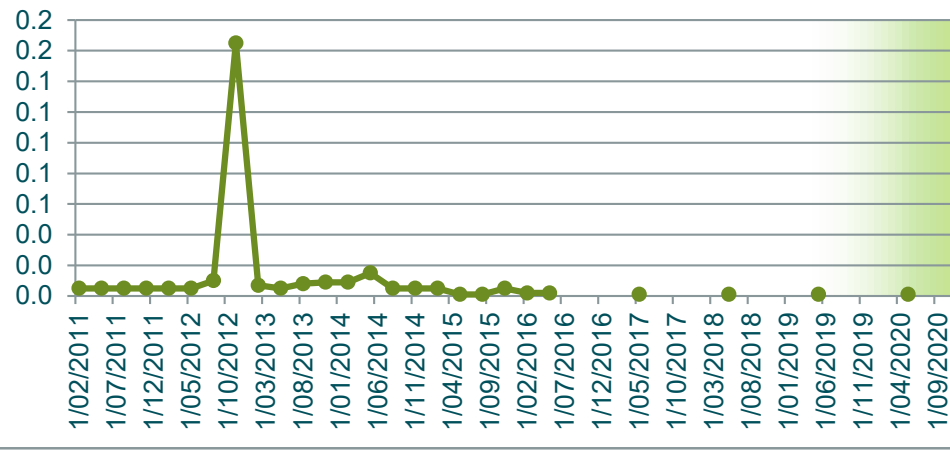
Aluminium (Total)
mg/L



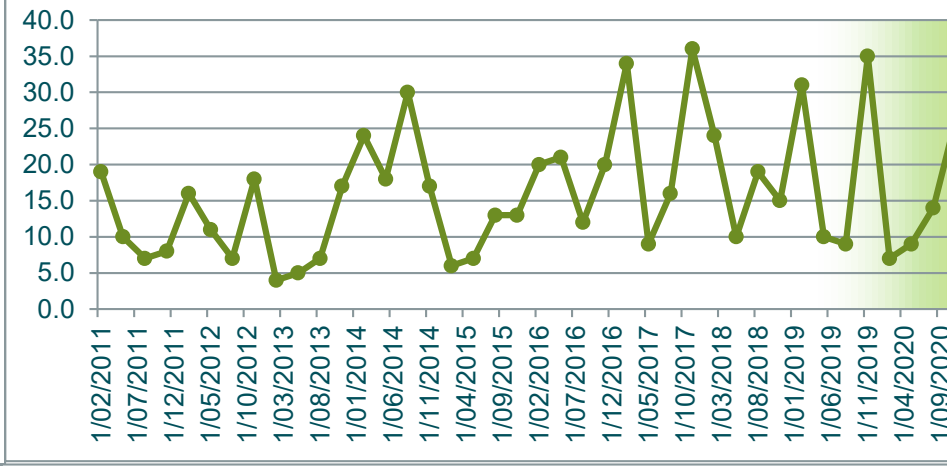
Ammonia
mg/L



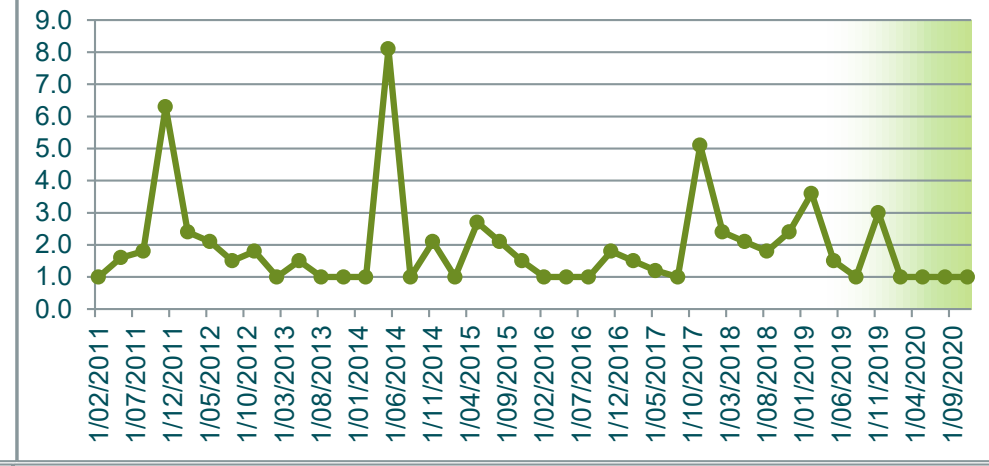
Arsenic (Total)
mg/L



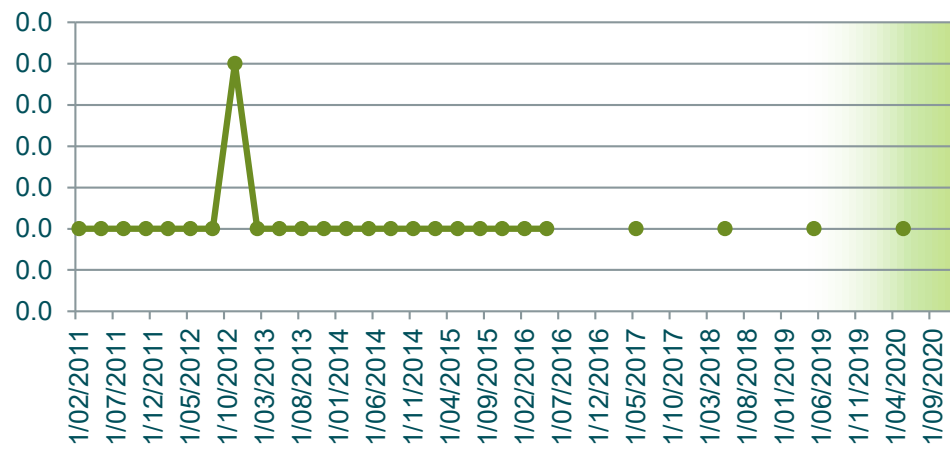
Bicarbonate HCO3
mg/L



BOD5
mg/L



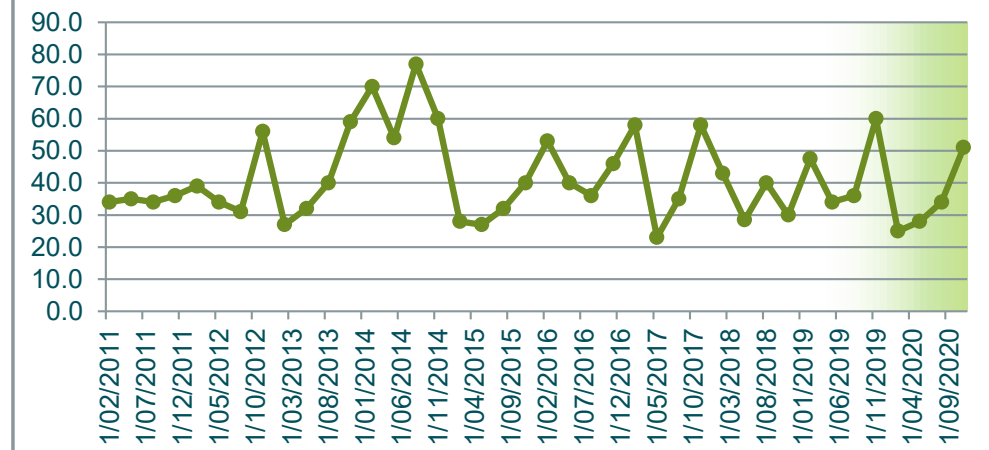
Cadmium (Total)
mg/L



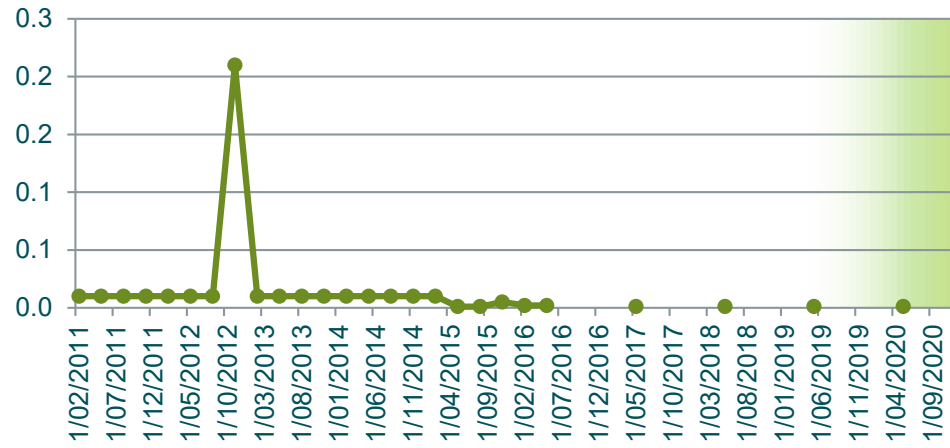
Calcium (Total)
mg/L



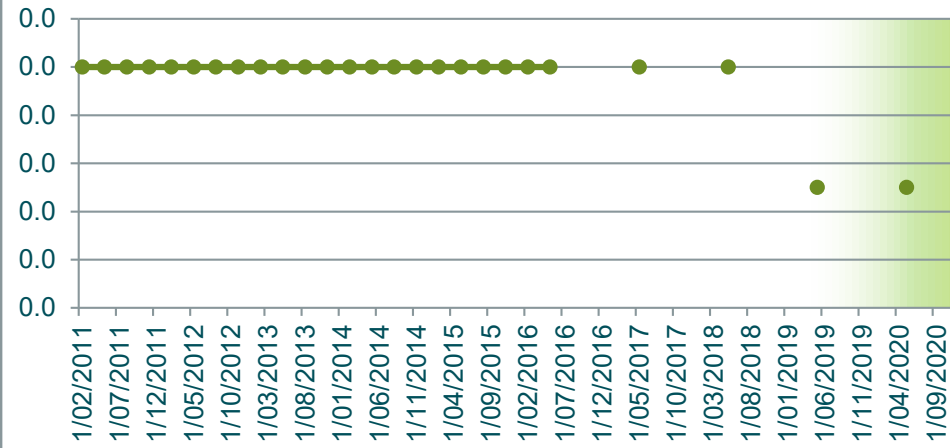
Chloride
mg/L



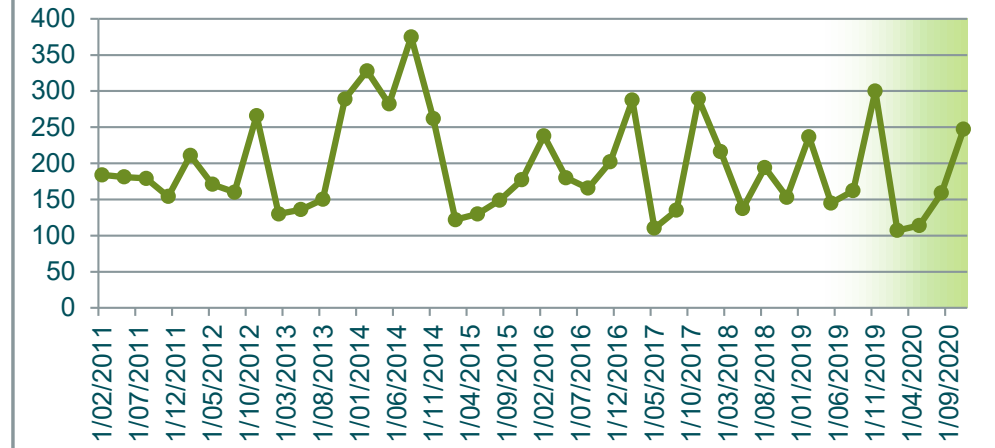
**Chromium (Total)
mg/L**



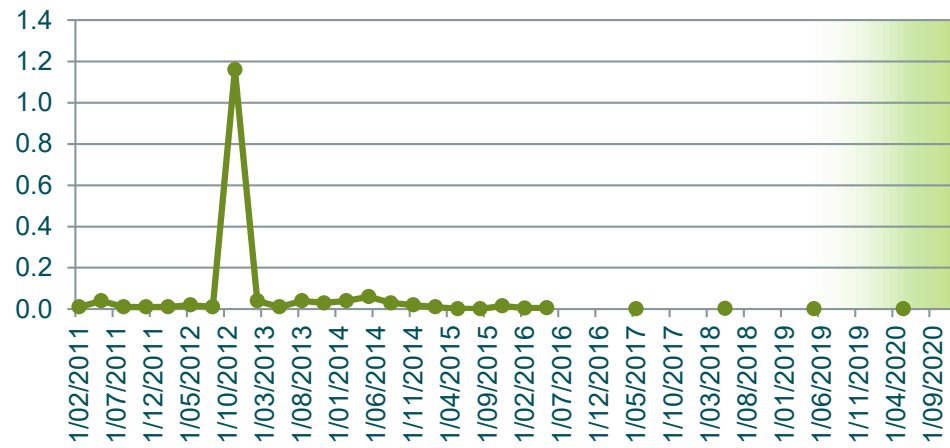
**Chromium 6
mg/L**



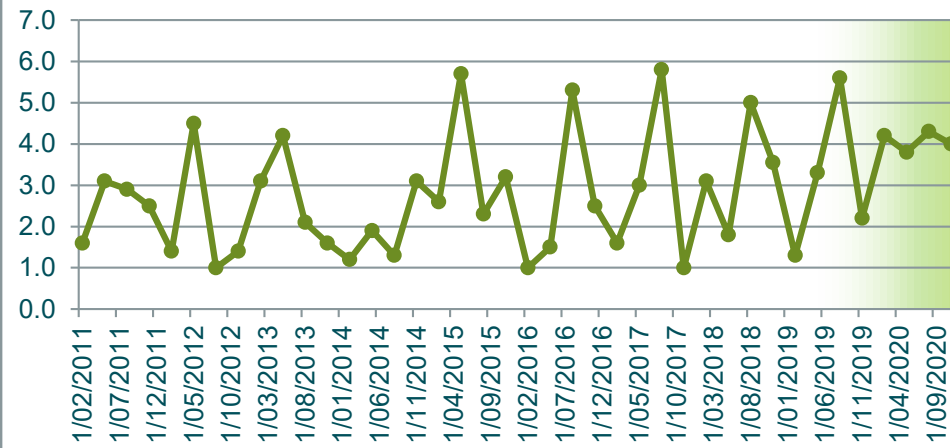
**Conductivity
µScm-1**



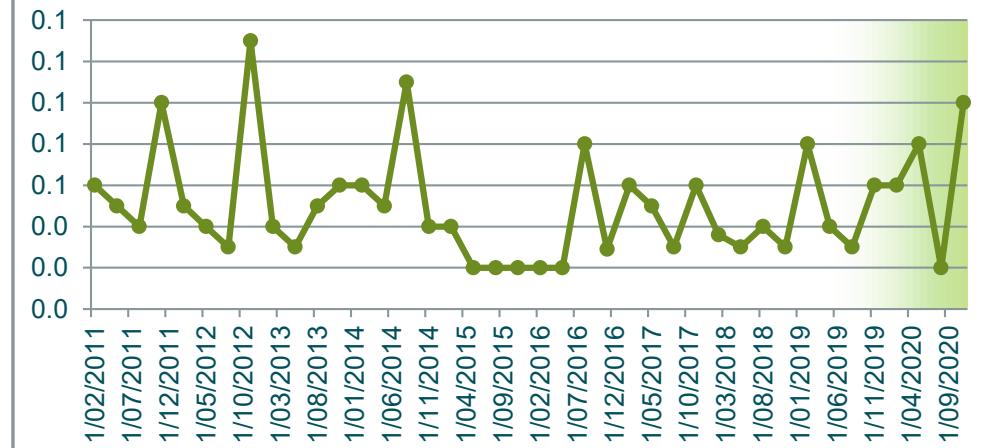
**Copper (Total)
mg/L**



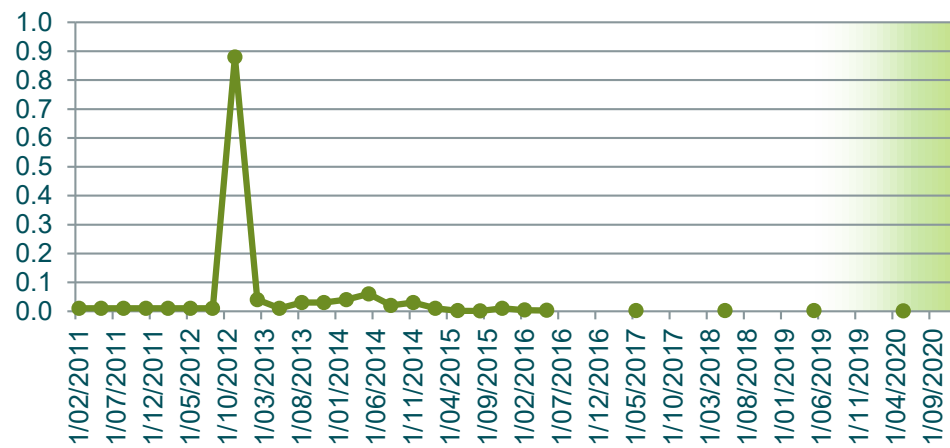
**DO (Membrane Electrode)
mg/L**



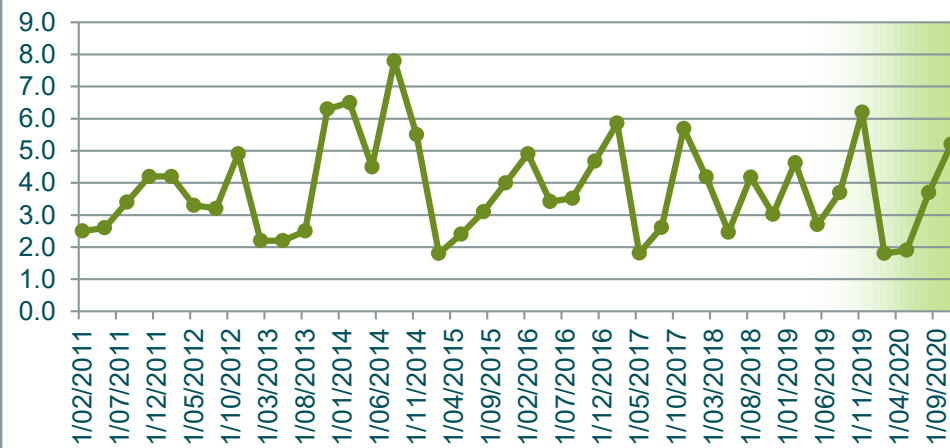
**Flouride
mg/L**



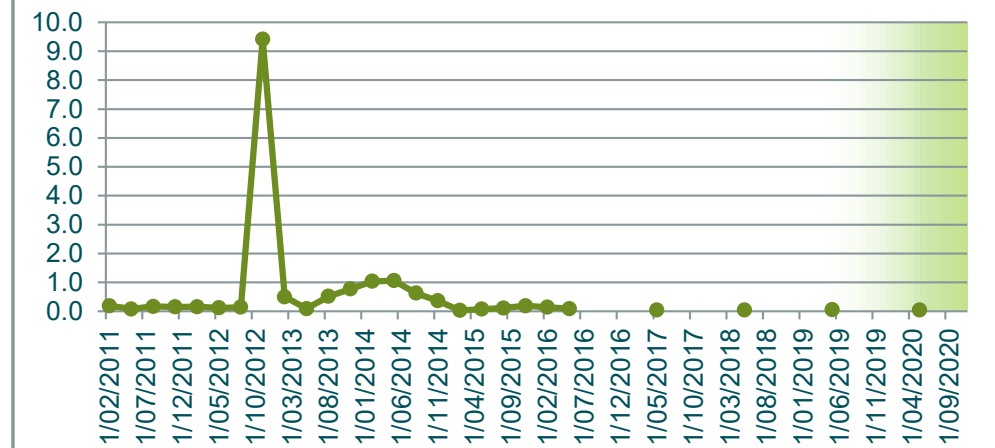
**Lead (Total)
mg/L**



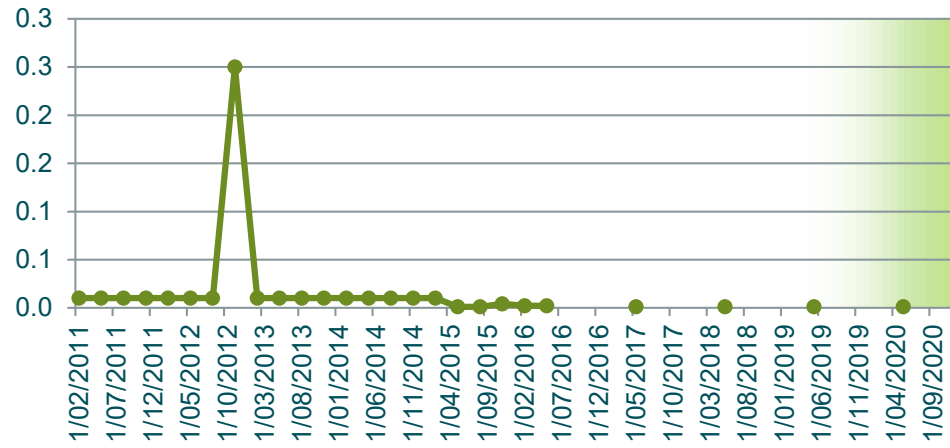
**Magnesium (Total)
mg/L**



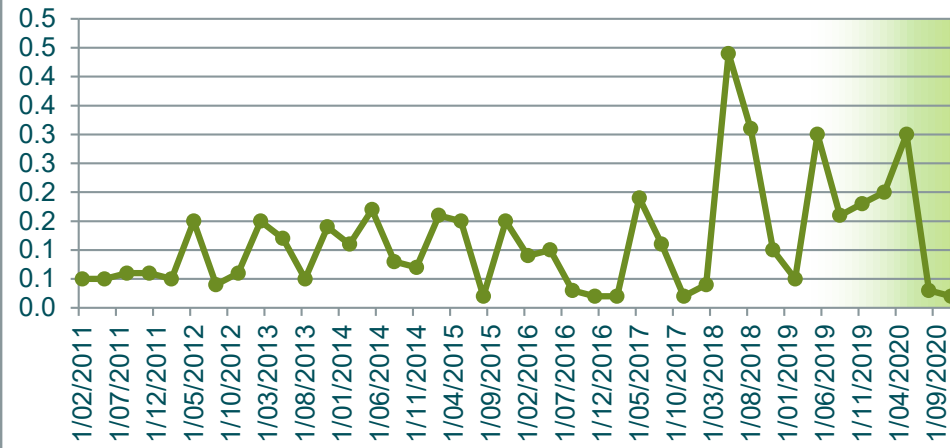
**Manganese Total
mg/L**



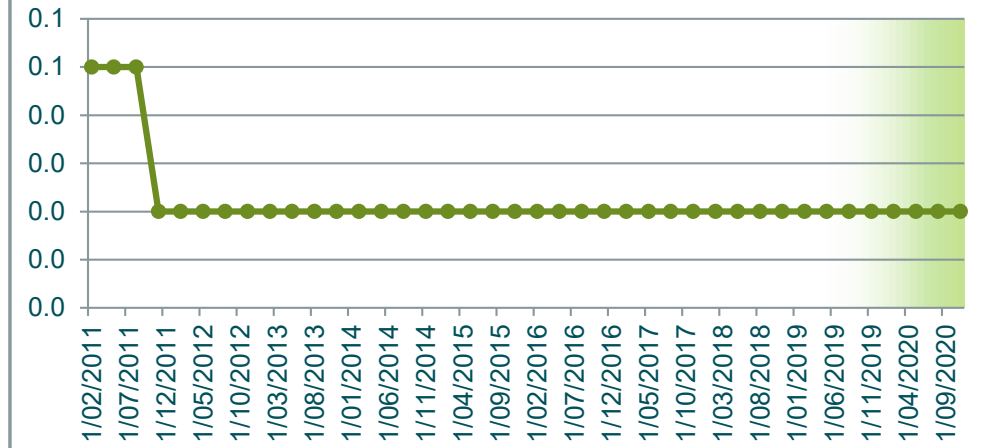
**Nickel (Total)
mg/L**



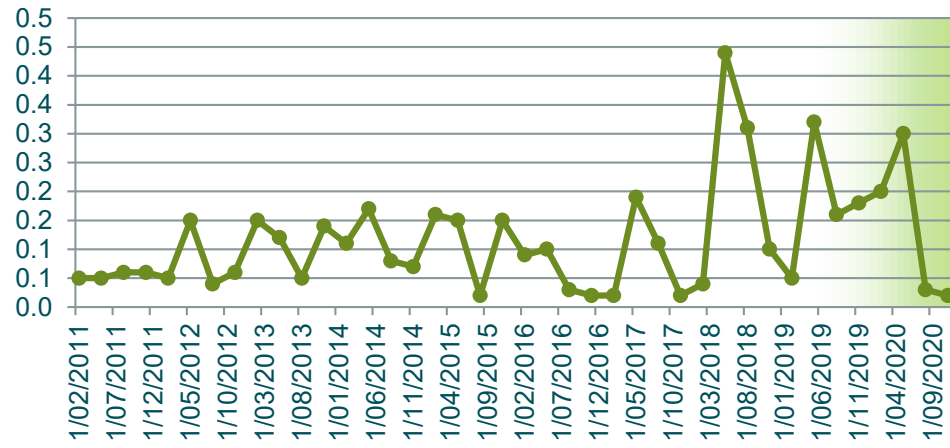
**Nitrate
N mg/L**



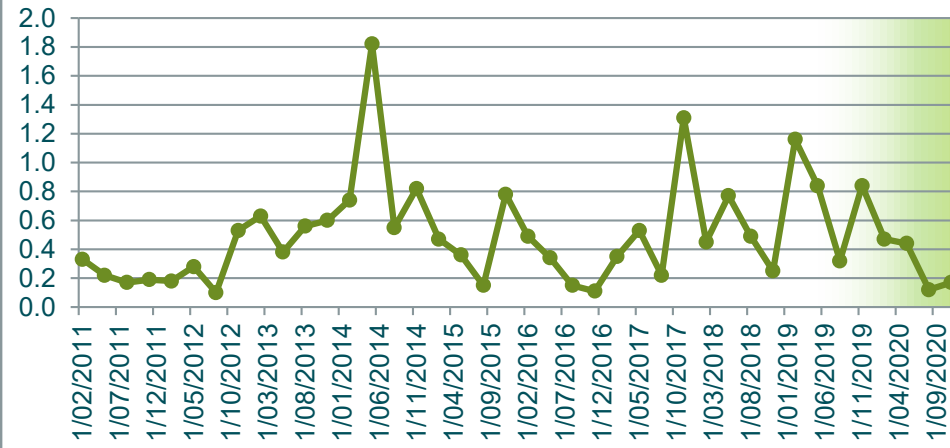
**Nitrite
N mg/L**



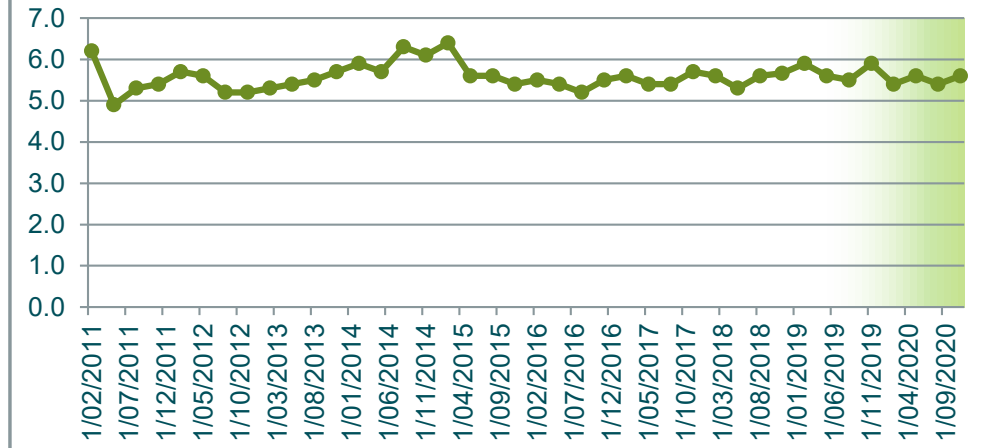
**Nitrogen Oxidised
mg/L**



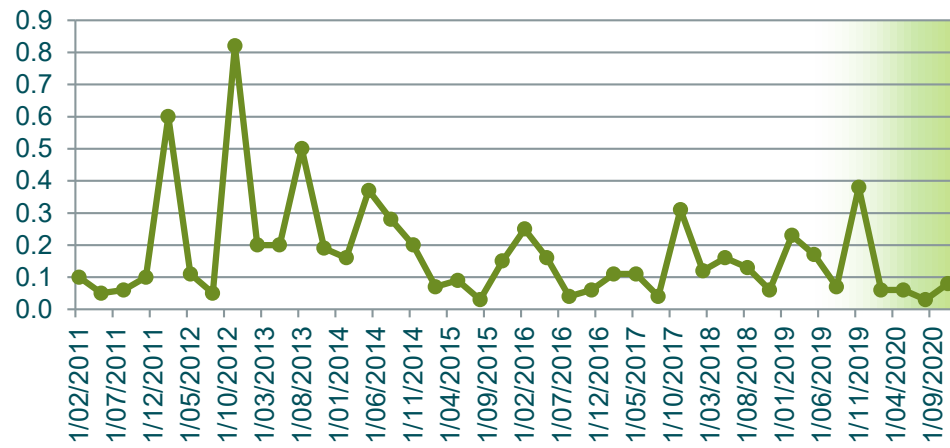
**Nitrogen Total
mg/L**



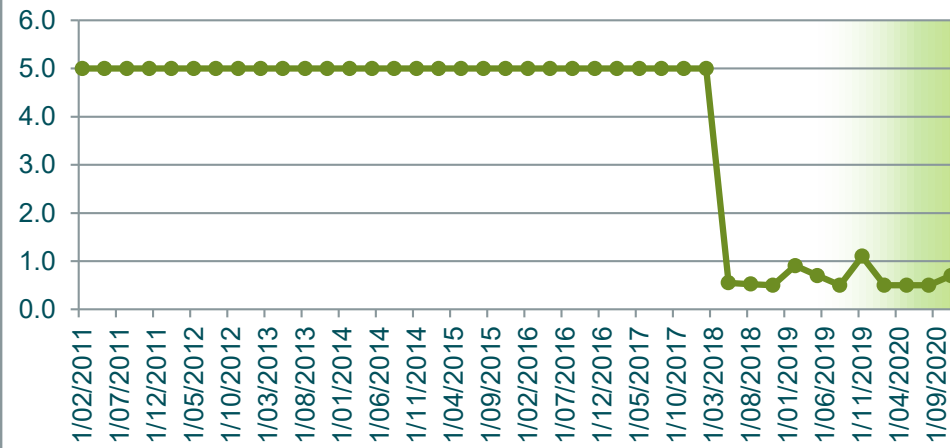
**pH
pH units**



**Phosphorus Total
mg/L**



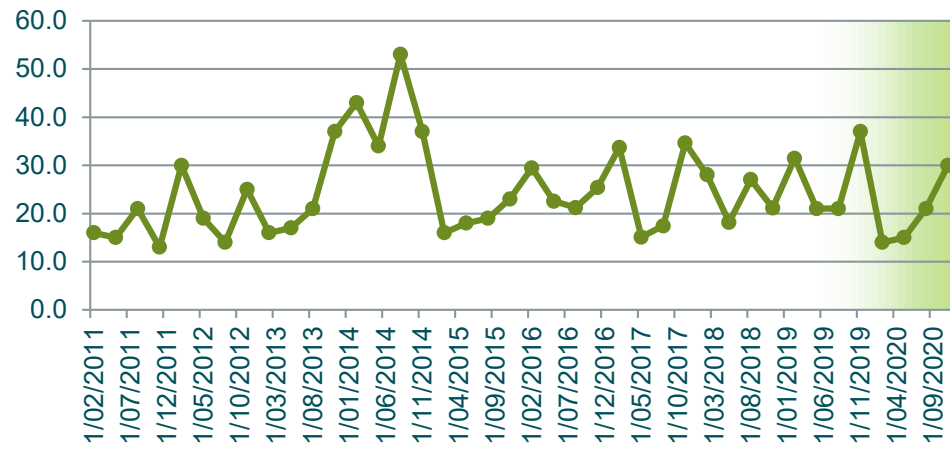
**Potassium Total
mg/L**



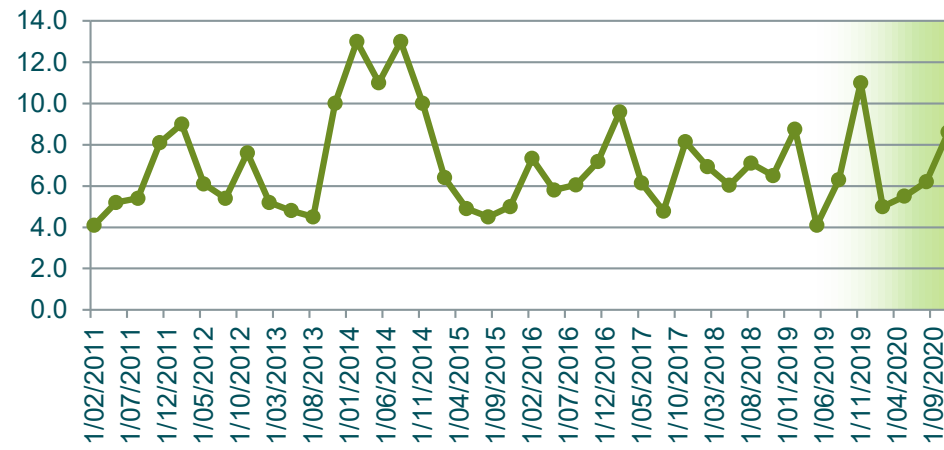
**Redox Potential
mV**



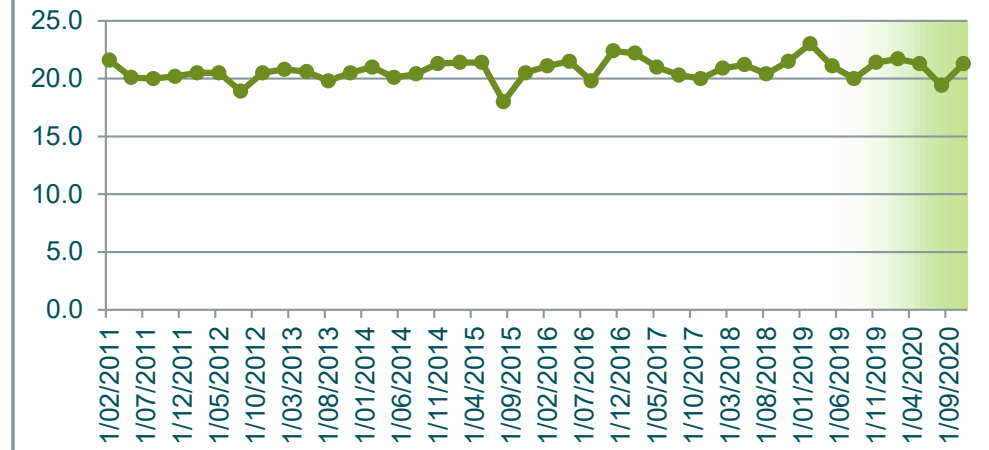
**Sodium (Total)
mg/L**



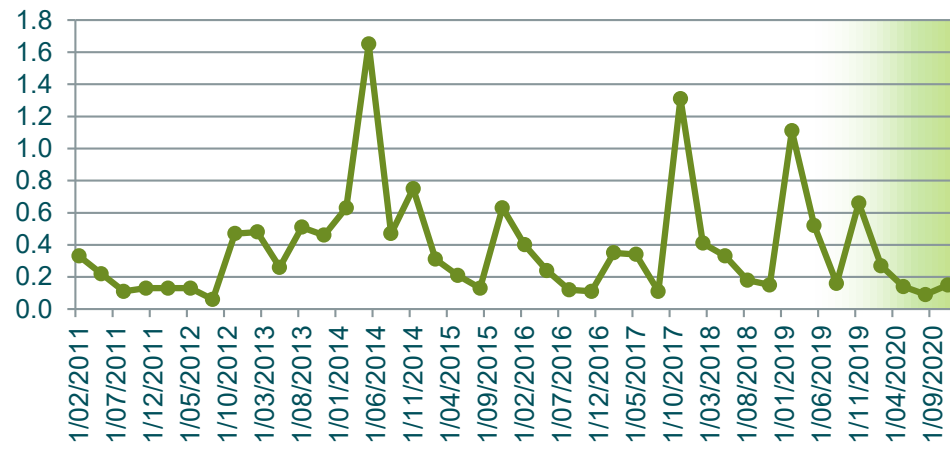
**Sulphate
mg/L**



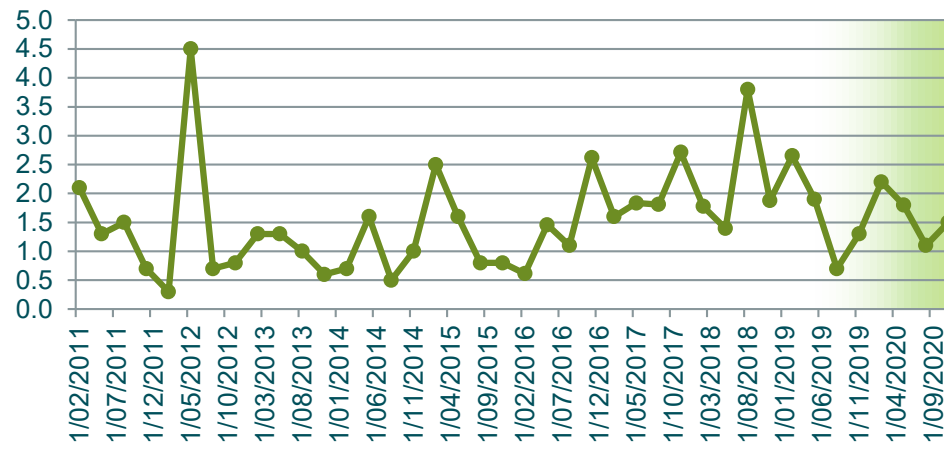
**Temperature
C**



**TKN
mg/L**



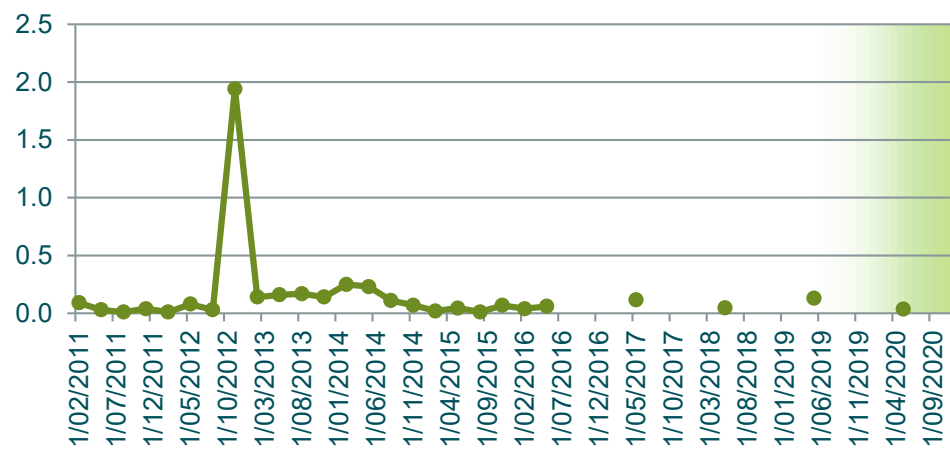
**TOC
mg/L**



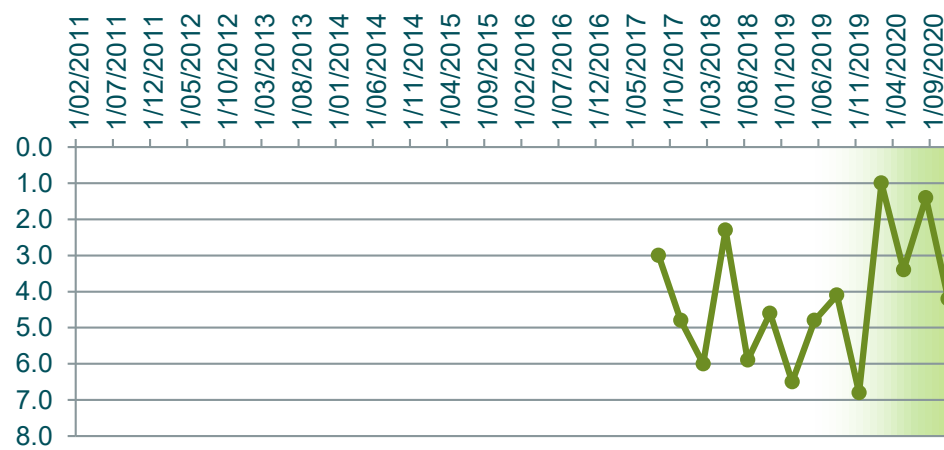
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**

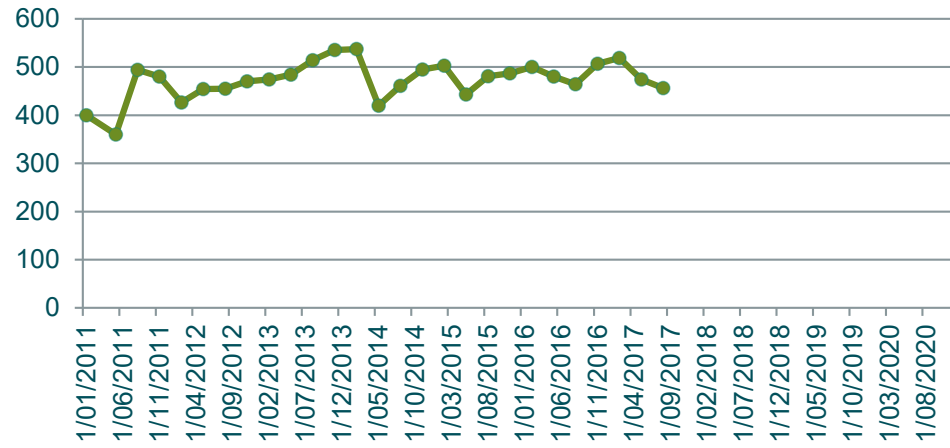


**Depth to Groundwater
m**

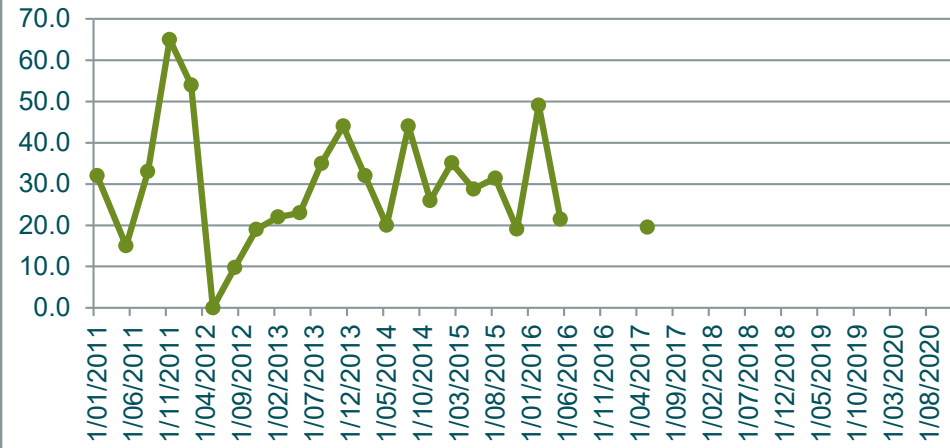


GW2	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH PH units	Phenol Alkalinity mg/L as CaCO3	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m						
31/01/2011	400	32.0	0.7	0.0	244	8.0	0.0	156	560	0.0	0.0	0.0	3141	0.0	1.8	0.5	55.0	0.0	155	4.2	0.0	0.1	0.1	0.1	1.5	6.9		0.5	18.0	-120	376	709	22.3	1.5	9.8	40	0.2						
10/05/2011	360	15.0	0.1	0.0	220	10.0	0.0	125	437	0.0	0.0	0.0	2671	0.1	2.9	0.5	34.0	0.0	130	4.2	0.0	0.4	0.1	0.4	1.1	7.0		0.4	21.0	177	331	536	20.7	0.8	6.2	35	0.1						
9/08/2011	494	33.0	0.2	0.0	300	8.4	0.0	144	650	0.0	0.0	0.0	3410	0.0	1.4	0.5	49.0	0.0	136	3.8	0.0	0.3	0.1	0.3	1.0	7.0		0.7	15.0	158	405	622	19.3	0.7	5.4	54	0.1						
8/11/2011	480	65.0	0.2	0.0	293	8.1	0.0	198	705	0.1	0.1	0.0	3842	0.1	1.6	0.6	93.0	0.0	209	5.3	0.0	0.1	0.0	0.1	0.8	6.9		0.8	85.0	-14	426	800	20.5	0.7	4.6	71	0.2						
6/02/2012	426	54.0	0.2	0.1	260	11.0	0.0	160	715	0.0	0.0	0.0	3100	0.0	1.8	0.4	82.0	0.0	145	3.7	0.0	0.4	0.0	0.4	1.2	6.9		0.6	17.0	141	520	770	22.1	0.8	4.6	62	0.4						
8/05/2012	454	0.0	0.2	0.0	277	1.8	0.0	139	460	0.0	0.0	0.0	3225	0.0	3.8	0.6	0.0	0.0	144	0.0	0.0	0.2	0.0	0.2	0.8	6.7		0.3	19.0	209	375	560	21.4	0.6	5.9	46	0.0						
6/08/2012	455	9.7	0.0	0.0	278	1.2	0.0	135	530	0.0	0.0	0.0	3510	0.0	2.8	0.5	18.0	0.0	127	3.1	0.0	0.1	0.0	0.1	0.6	6.9		0.5	18.0	-22	336	559	19.7	0.5	5.4	36	0.1						
13/11/2012	470	19.0	0.3	0.0	287	2.7	0.0	140	600	0.0	0.0	0.0	3750	0.0	4.4	0.4	27.0	0.0	142	3.0	0.0	0.2	0.0	0.2	0.9	7.1		0.4	16.0	-47	384	529	21.1	0.7	4.0	54	0.1						
13/02/2013	474	22.0	0.2	0.0	289	1.0	0.0	144	550	0.0	0.0	0.0	3500	0.0	1.6	0.4	41.0	0.0	138	4.0	0.0	0.1	0.0	0.1	1.1	6.9		0.6	18.0	93	384	717	22.6	1.0	5.0	64	0.6						
14/05/2013	484	23.0	1.0	0.0	295	7.2	0.0	144	620	0.0	0.0	0.0	3510	0.0	1.9	0.5	29.0	0.0	127	2.7	0.0	0.2	0.0	0.2	1.9	7.0		1.0	15.0	-113	412	531	21.2	1.6	7.1	132	0.2						
6/08/2013	514	35.0	0.2	0.0	314	8.7	0.0	150	580	0.0	0.0	0.0	3400	0.0	2.8	0.5	50.0	0.0	138	3.5	0.0	0.1	0.0	0.1	1.2	7.0		1.0	16.0	-6	412	648	20.3	1.1	5.1	109	0.3						
12/11/2013	535	44.0	0.8	0.0	326	9.9	0.0	168	655	0.0	0.0	0.0	3858	0.0	2.2	0.5	49.0	0.0	156	3.9	0.0	0.1	0.0	0.1	1.6	6.8		0.8	18.0	-103	480	638	20.4	1.4	5.4	28	0.4						
11/02/2014	537	32.0	0.6	0.0	328	8.1	0.0	170	740	0.0	0.0	0.0	4052	0.0	2.6	0.4	44.0	0.0	156	3.4	0.0	0.2	0.0	0.2	1.6	6.9		0.0	17.0	-92	493	625	21.3	1.4	7.1	148	0.3						
13/05/2014	420	20.0	0.3	0.0	256	2.1	0.0	158	635	0.0	0.0	0.0	3790	0.0	3.1	0.5	28.0	0.0	147	3.6	0.0	0.2	0.0	0.2	1.2	7.0		0.1	17.0	-61	432	848	21.2	1.0	4.7	62	0.1						
12/08/2014	461	44.0	0.3	0.0	281	4.8	0.0	173	720	0.0	0.0	0.0	4080	0.0	3.2	0.5	76.0	0.0	159	4.1	0.0	0.2	0.0	0.2	1.3	7.1		0.6	16.0	-63	491	653	20.0	1.1	5.1	96	0.3						
10/11/2014	495	26.0	0.3	0.0	302	3.6	0.0	180	890	0.0	0.0	0.0	4520	0.0	2.8	0.4	38.0	0.0	170	3.1	0.0	0.1	0.0	0.1	1.4	7.0		0.7	17.0	-64	563	754	20.1	1.3	43.0	171	0.2						
9/02/2015	503	35.1	3.2	0.0	307	21.0	0.0	159	820	0.0	0.0	0.0	4360	0.0	1.6	0.5	48.1	0.0	155	3.5	0.0	0.1	0.0	0.1	5.8	7.0		0.7	16.0	-100	504	704	21.6	5.7	8.1	94	0.2						
11/05/2015	443	28.8	0.2	0.0	270	4.2	0.0	156	610	0.0	0.0	0.0	3590	0.0	4.0	0.5	45.6	0.0	148	4.1	0.0	0.2	0.0	0.2	1.3	7.1		0.6	16.0	-62	431	645	21.1	1.1	5.1	58	0.3						
11/08/2015	481	31.4	0.2	0.0	481	10.0	0.0	178	780	0.0	0.0	0.0	4140	0.0	3.6	0.5	45.3	0.0	164	3.2	0.0	0.1	0.0	0.1	1.1	7.1		0.7	16.0	-37	520	617	20.2	1.0	3.7	73	0.3						
10/11/2015	487	19.1	0.4	0.0	487	5.7	0.0	173	770	0.0	0.0	0.0	4020	0.0	1.5	0.5	37.0	0.0	161	3.8	0.0	0.0	0.0	0.0	1.2	7.0		0.7	16.0	-73	481	628	20.2	1.2	4.4	71	0.0						
8/02/2016	500	49.1	0.3	0.0	500	6.0	0.0	167	750	0.0	0.1	0.0	4000	0.0	2.5	0.5	86.2	0.0	155	4.4	0.0	0.0	0.0	0.0	1.2	7.0		0.7	16.0	-68	473	622	21.4	1.2	4.5	100	0.6						
9/05/2016	480	21.5	0.3	0.0	480	4.8	0.0	168	805	0.0	0.0	0.0	4190	0.0	2.3	0.5	38.2	0.0	151	3.3	0.0	0.0	0.0	0.0	1.0	6.9		0.6	15.9	-61	502	566	21.4	1.0	4.3	99	0.3						
9/08/2016	464		0.0		464	2.1		155	650				3744		3.7	0.5			143			0.1	0.0	0.1	0.8	7.0		0.2	15.7	28	437	599	19.9	0.7	3.8	106							
7/11/2016	507		0.2		507	4.2		192	965				4565		2.2	0.4			173			0.0	0.0	0.0	1.0	6.8		0.9	17.3	50	604	642	20.6	1.0	4.4	84							
7/02/2017	519		0.3		519	3.3		184	930				4624		2.0	0.4			171			0.0	0.1	0.0	1.0	6.8		0.5	16.8	12	553	648	21.6	1.0	4.3	136							
8/05/2017	474	19.5	0.2	0.0	474	1.8	0.0	174	930	0.0	0.0	0.0	4532	0.0	3.2	0.5	28.3	0.0	160	3.5	0.0	0.1	0.0	0.1	0.9	6.9		0.4	16.5	-30	511	723	21.2	0.8	4.1	74	0.2						
8/08/2017	456		0.0		456	2.1		169	1025				4255		4.3	0.4			150			0.2	0.0	0.2	0.7	7.0		0.1	15.8	290	491	578	19.5	0.5	3.4	61		1.4					
7/11/2017																																											
13/02/2018																																											
8/05/2018																																											
14/08/2018																																											
13/11/2018																																											
12/02/2019																																											
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12/11/2019																																											
26/02/2020																																											
13/05/2020																																											
12/08/2020																																											
11/11/2020																																											
2020 Min																																											
2020 Max																																											
2020 Mean																																											
Long-term Average	473	29.5	0.4	0.0	352	6.0	0.0	161	707	0.0	0.0	0.0	3829	0.0	2.7	0.5	45.3	0.0	152	3.5	0.0	0.1	0.0	0.1	1.3	7.0		0.6	19.3	1	456	647	20.8	1.2	6.6	80	0.2	1.4					

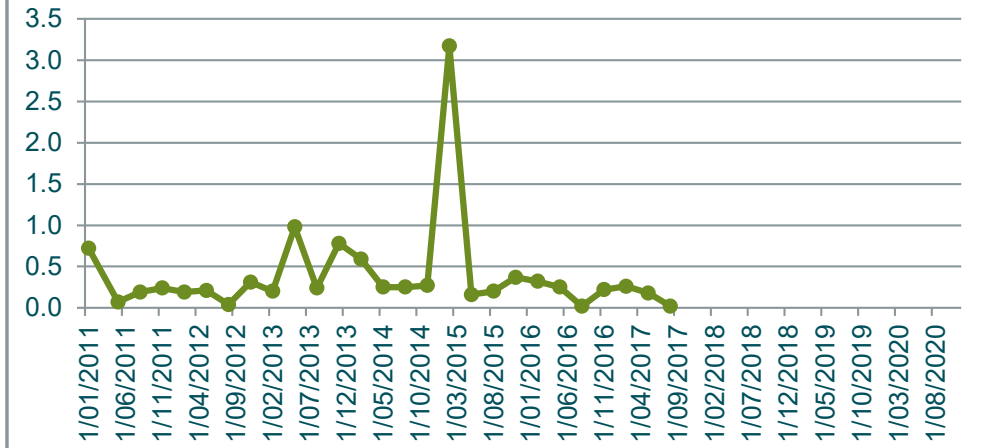
**Alkalinity
mg/L as CaCO3**



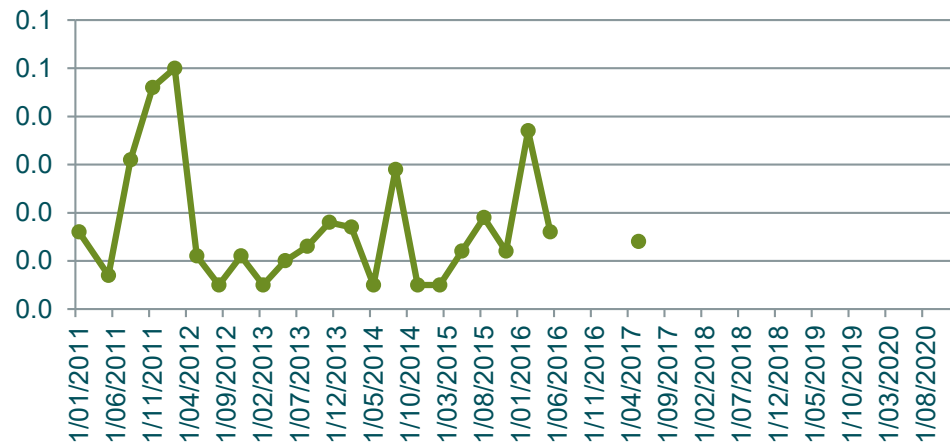
**Aluminium (Total)
mg/L**



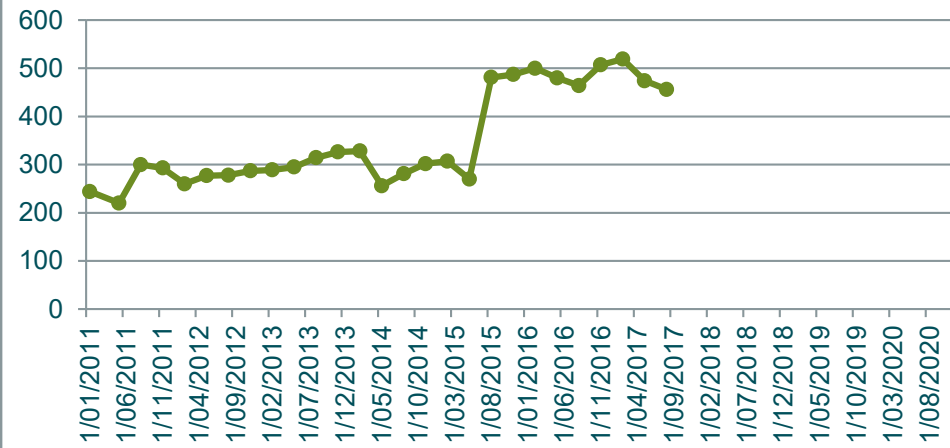
**Ammonia
mg/L**



**Arsenic (Total)
mg/L**



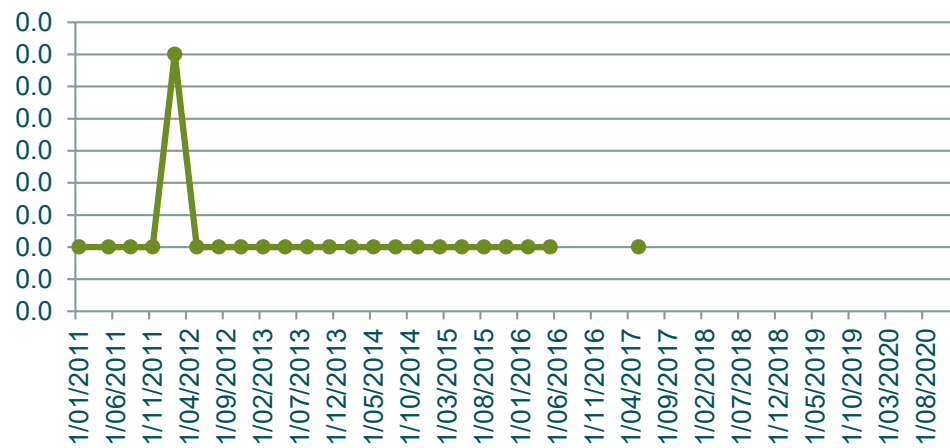
**Bicarbonate HCO3
mg/L**



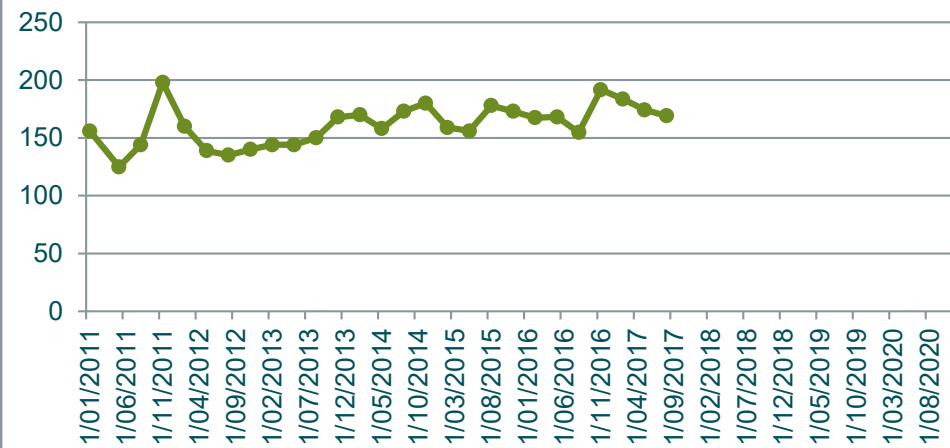
**BOD5
mg/L**



**Cadmium (Total)
mg/L**



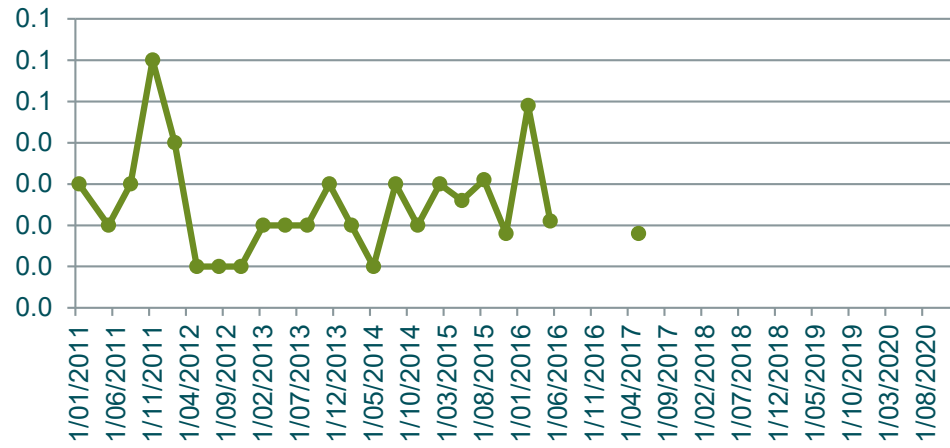
**Calcium (Total)
mg/L**



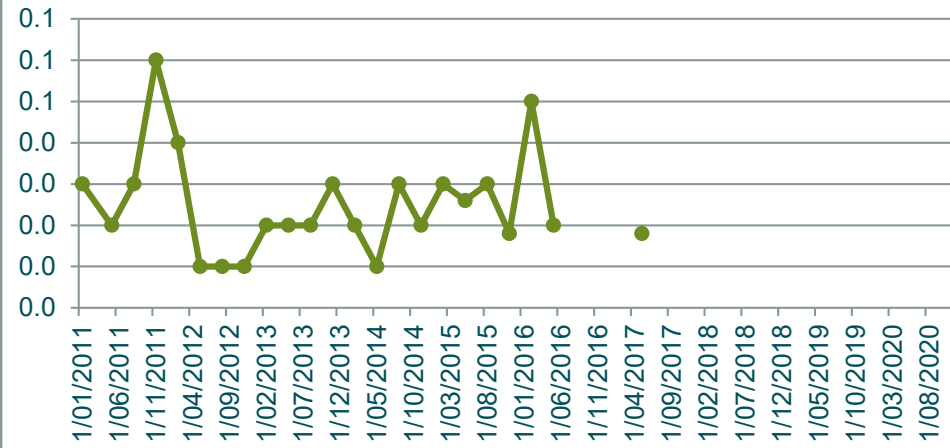
**Chloride
mg/L**



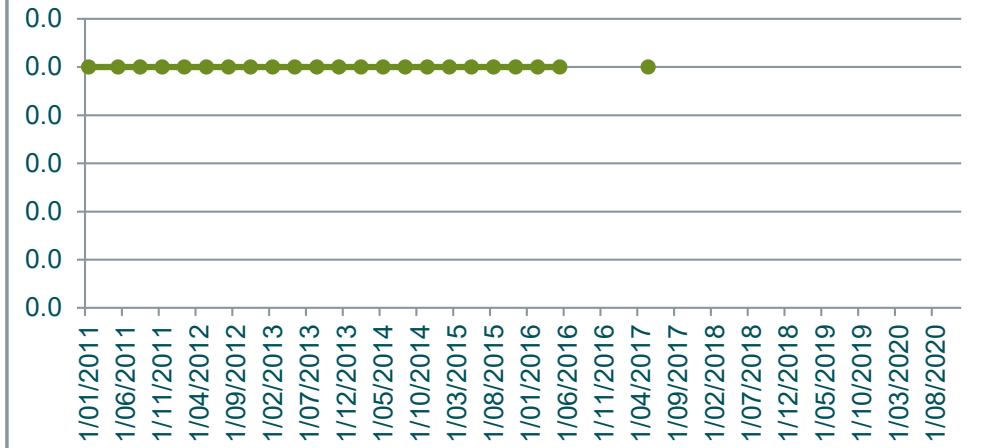
Chromium (Total) mg/L



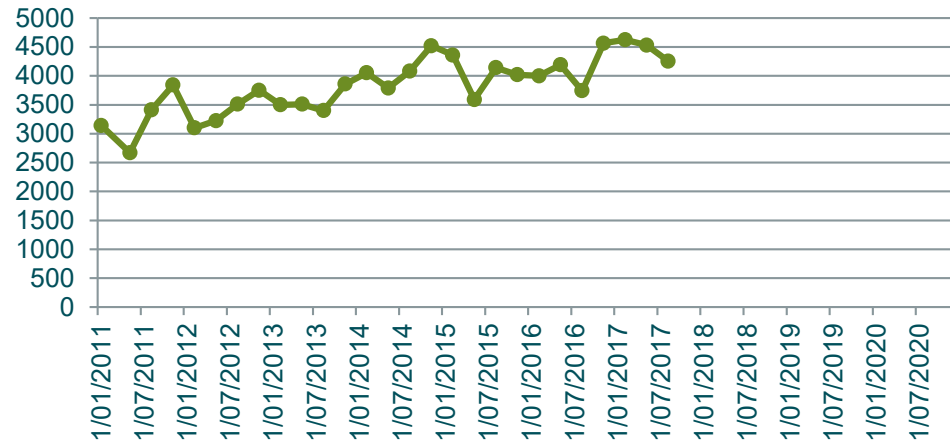
Chromium 3 mg/L



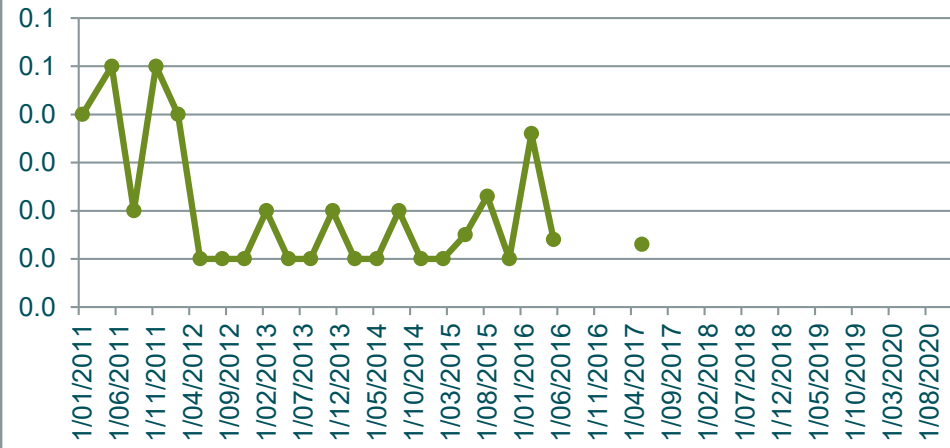
Chromium 6 mg/L



Conductivity µScm-1



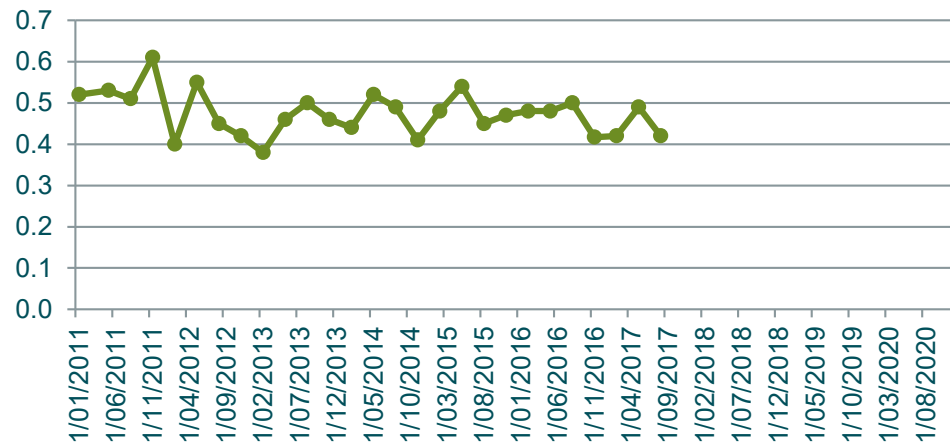
Copper (Total) mg/L



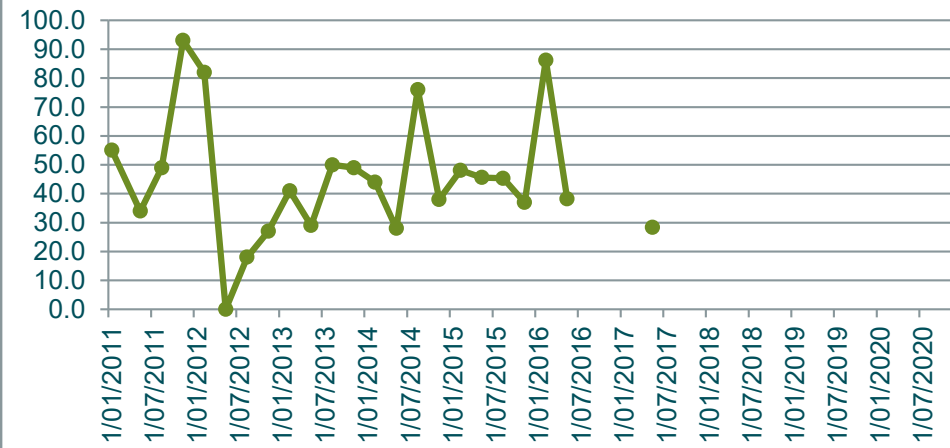
DO (Membrane Electrode) mg/L



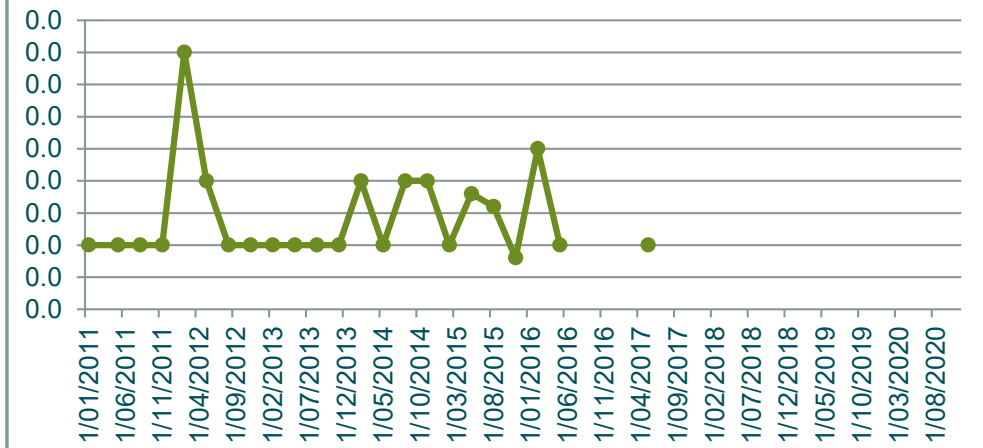
Flouride mg/L



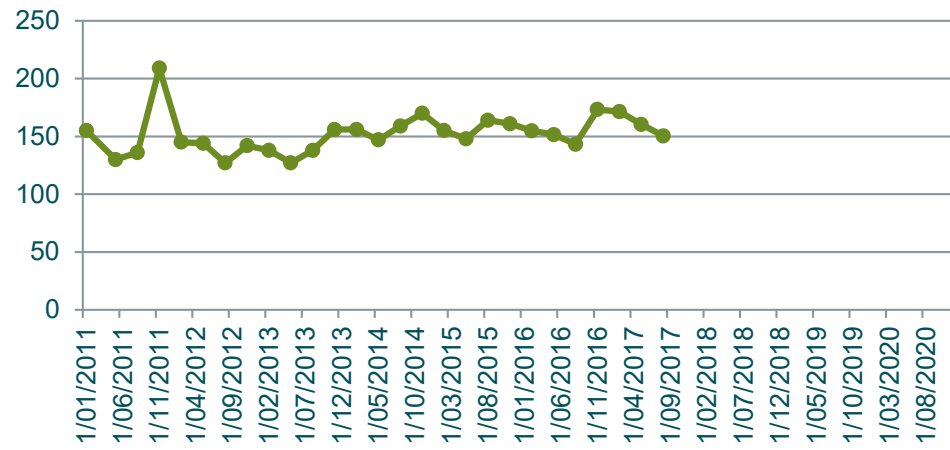
Iron Total mg/L



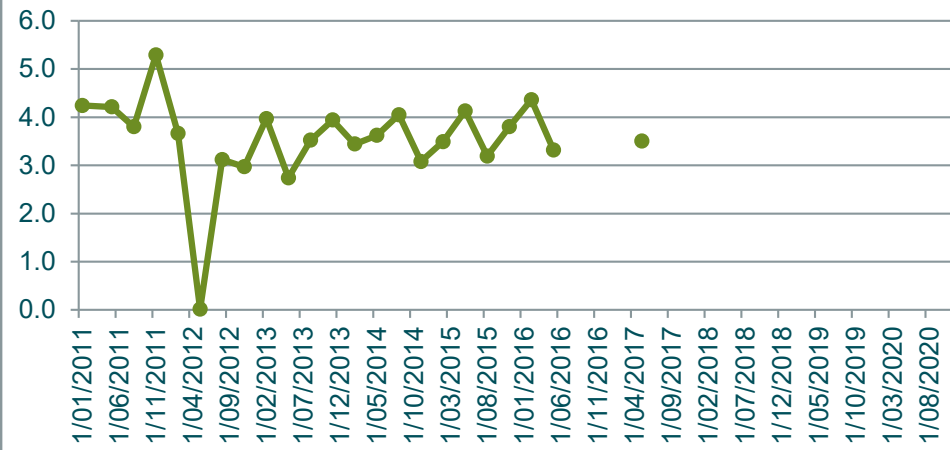
Lead (Total) mg/L



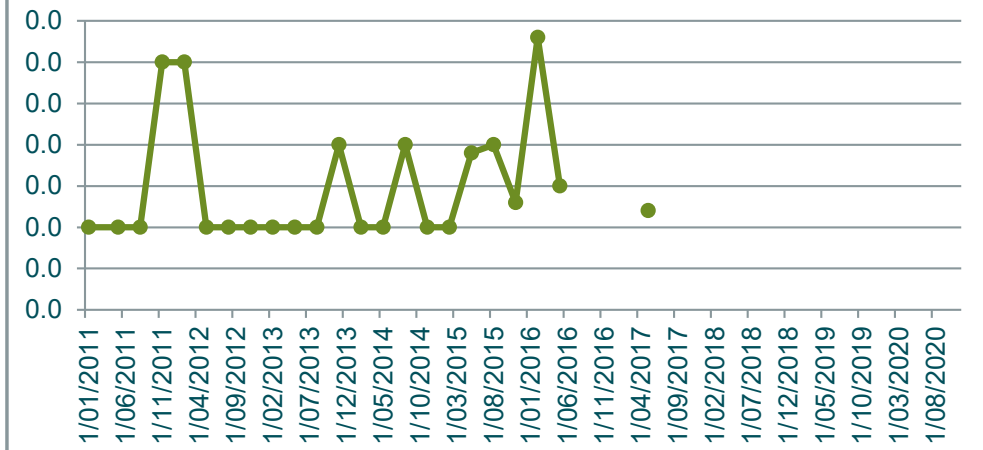
Magnesium (Total) mg/L



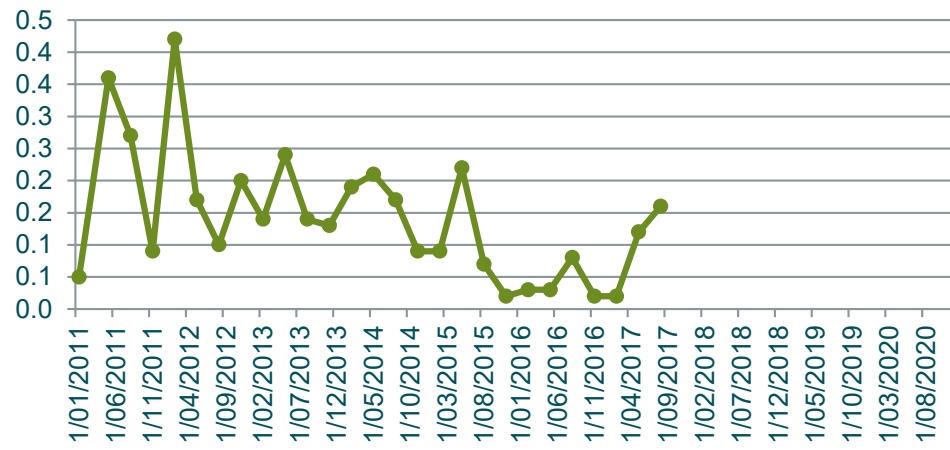
Manganese Total mg/L



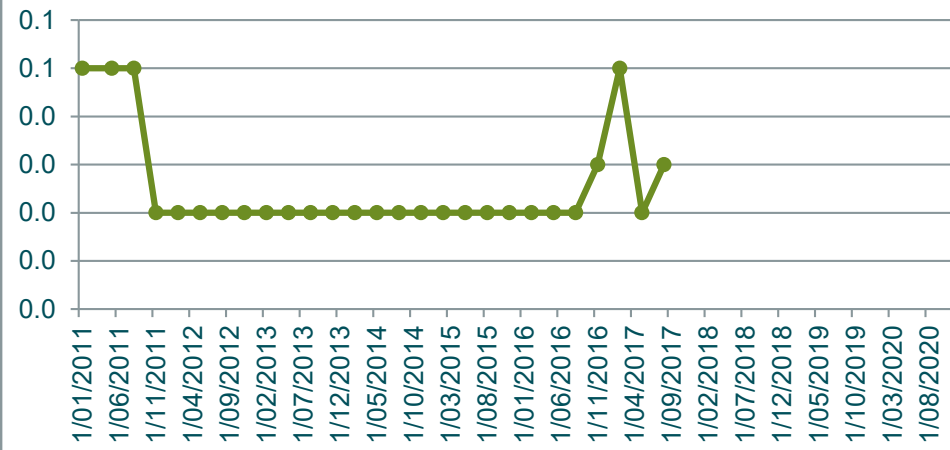
Nickel (Total) mg/L



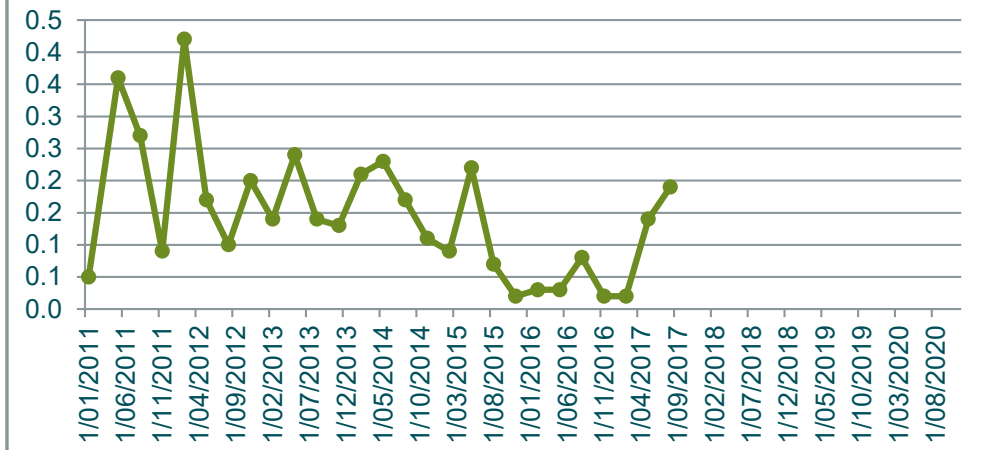
Nitrate N mg/L



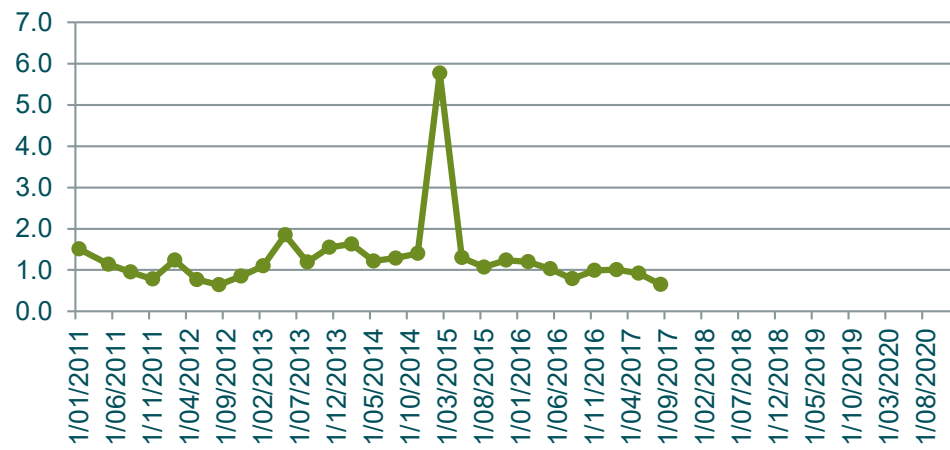
Nitrite N mg/L



Nitrogen Oxidised mg/L



Nitrogen Total mg/L



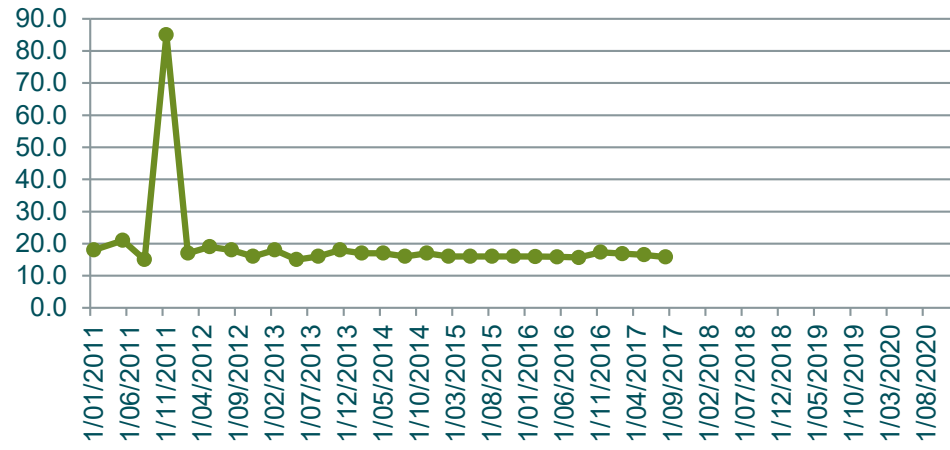
pH pH units



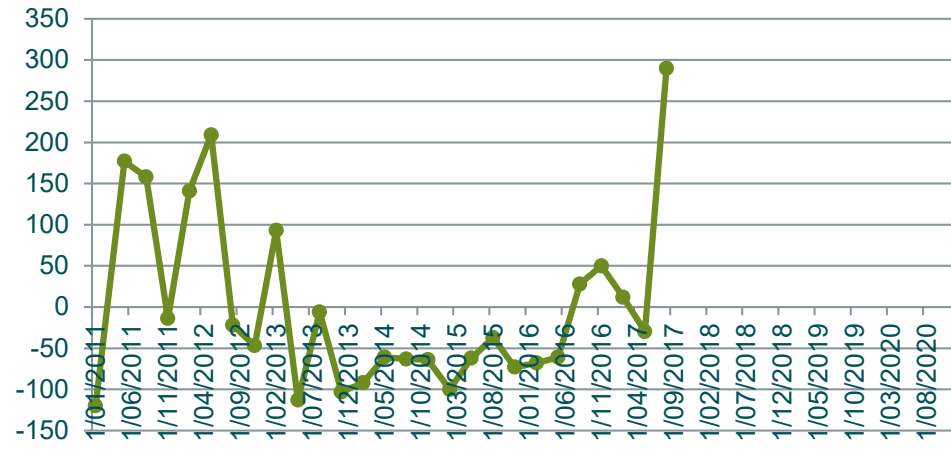
Phosphorus Total mg/L



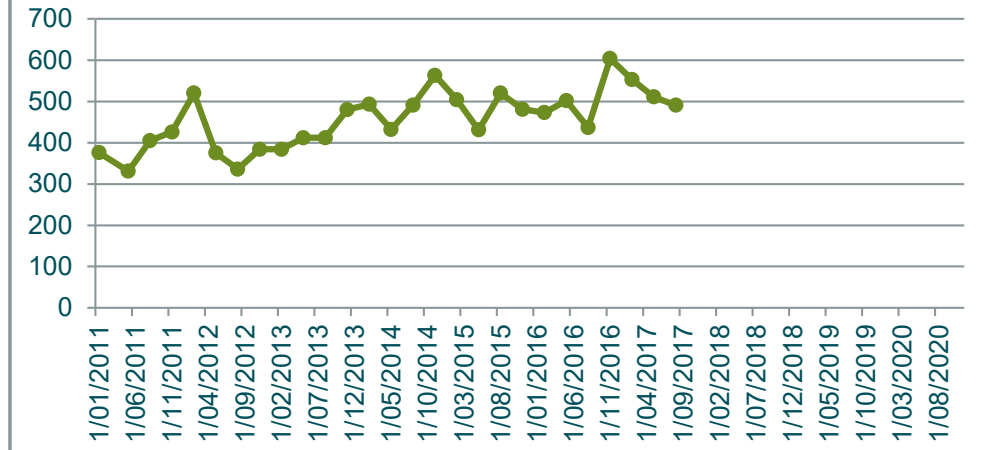
Potassium Total
mg/L



Redox Potential
mV



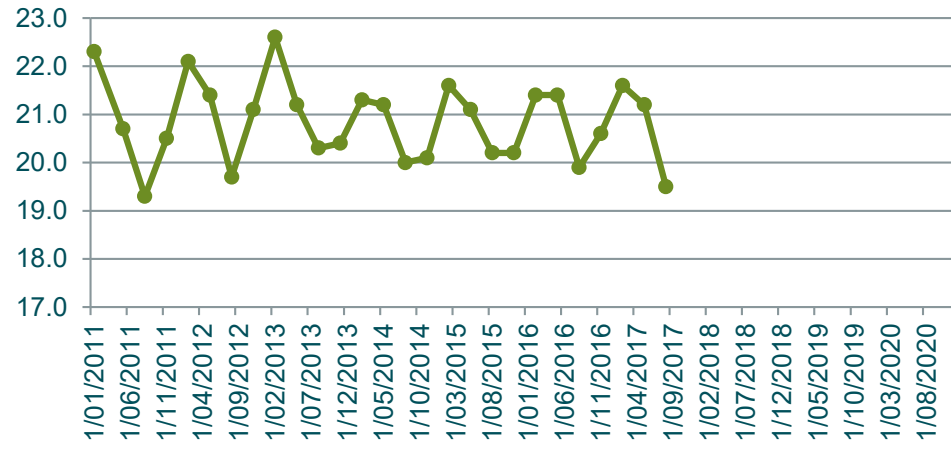
Sodium (Total)
mg/L



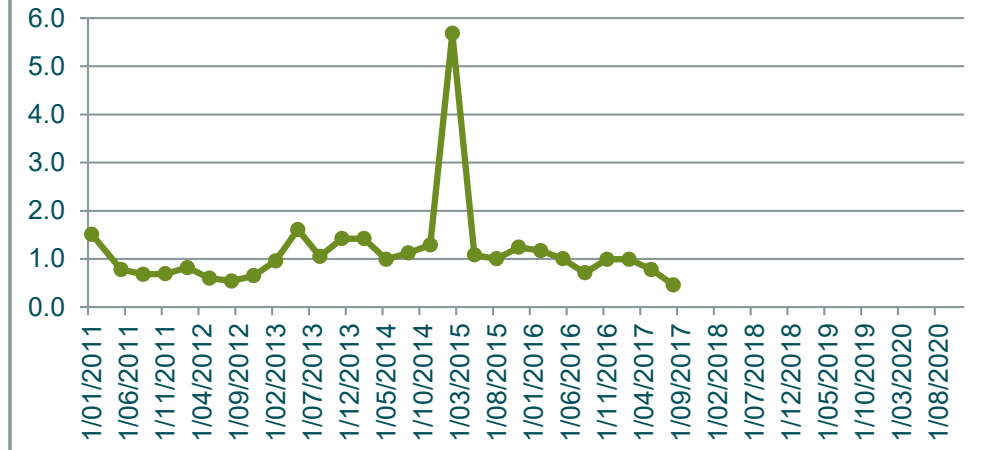
Sulphate
mg/L



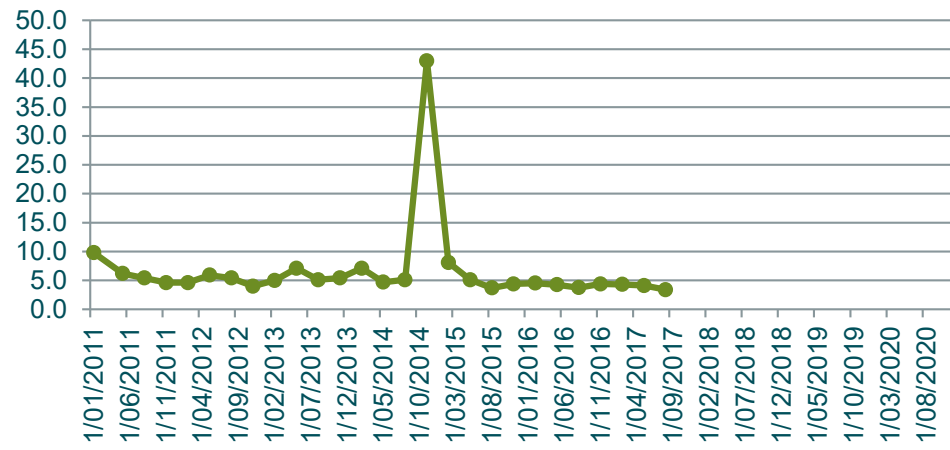
Temperature
C



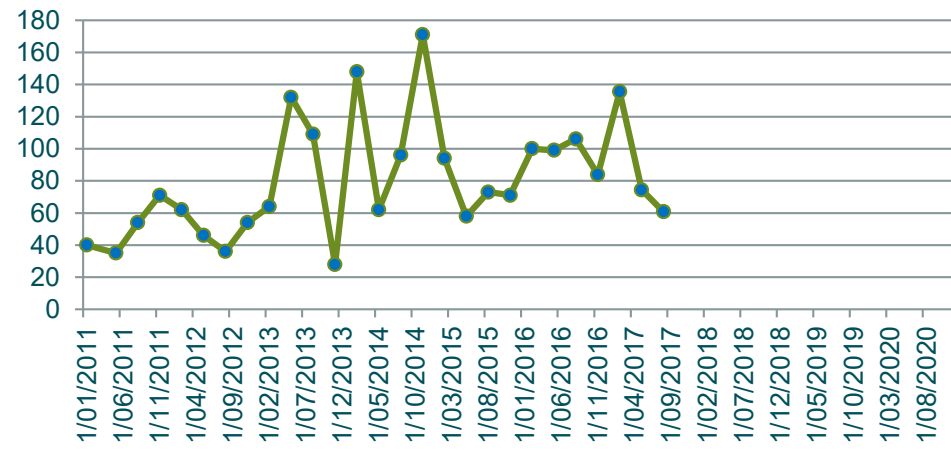
TKN
mg/L



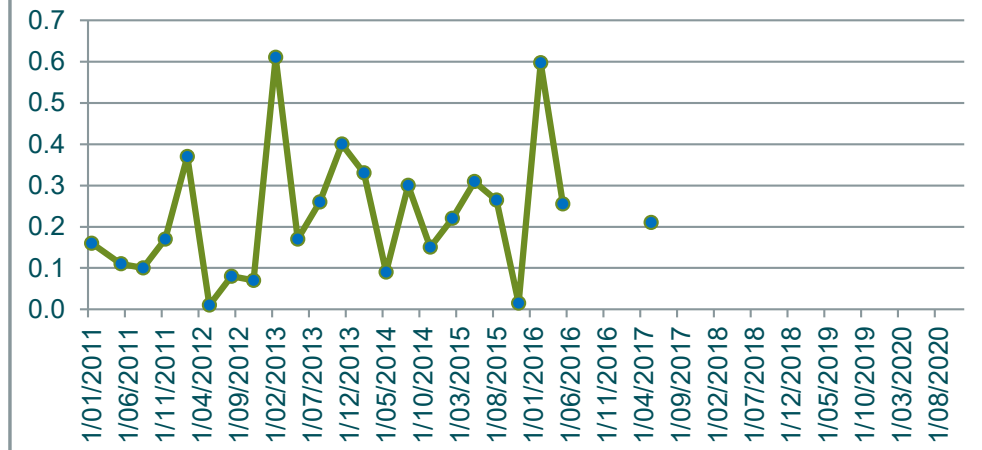
TOC
mg/L



Total Acidity
mg/L CaCO3



Zinc (Total)
mg/L

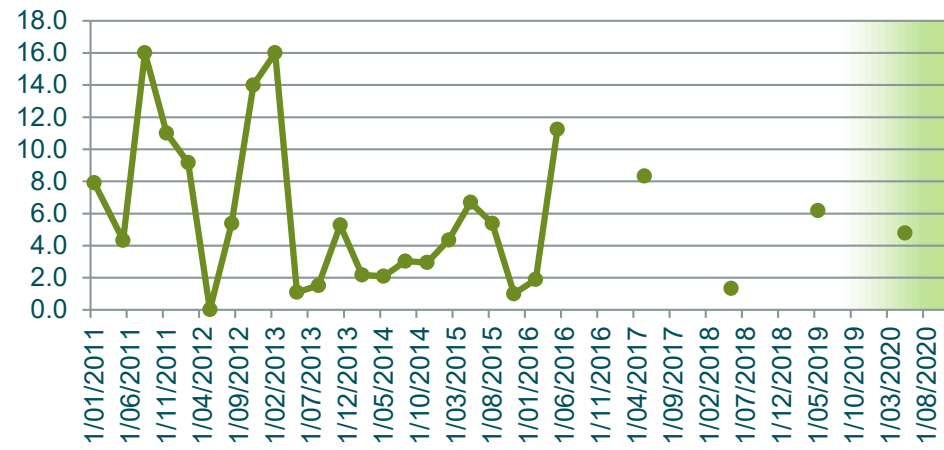


GW4	Alkalinity mg/L as CaCO3	Aluminum (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Suphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m
31/01/2011	1082	7.9	0.3	0.0	660	7.0	0.0	64.0	1850	0.0	0.0	0.0	6843	0.0	1.2	0.8	13.0	0.0	253	3.2	0.0	0.1	0.1	0.1	2.5	6.9	6.3	65.0	-107	1054	324	22.5	2.5	196.0	81	0.2	
10/05/2011	350	4.3	0.2	0.0	214	1.8	0.0	53.0	1490	0.0	0.0	0.0	6080	0.0	1.7	0.7	7.7	0.0	229	3.3	0.0	0.1	0.1	0.1	1.9	7.3	4.8	66.0	68	1092	318	21.2	1.8	17.0	92	0.0	
9/08/2011	1380	16.0	0.6	0.0	840	12.0	0.0	51.0	2000	0.0	0.0	0.0	6680	0.0	1.2	0.7	19.0	0.0	200	3.1	0.0	0.2	0.1	0.2	3.0	7.2	5.5	42.0	57	1058	266	19.7	2.8	37.0	91	0.3	
8/11/2011	1397	11.0	0.7	0.0	852	10.0	0.0	68.0	1845	0.0	0.0	0.0	7715	0.0	1.7	1.0	17.0	0.0	307	3.8	0.0	0.0	0.0	0.0	2.8	7.2	6.9	297.0	-103	1059	310	21.1	2.8	36.0	90	0.4	
6/02/2012	550	9.2	1.8	0.0	336	14.0	0.0	26.0	855	0.0	0.0	0.0	3770	0.0	1.0	0.4	18.0	0.0	102	1.8	0.0	0.6	0.3	0.9	4.4	7.1	2.9	34.0	114	566	150	22.1	3.5	17.0	52	5.6	
8/05/2012	1100	0.0	1.1	0.0	671	6.6	0.0	52.0	1630	0.0	0.0	0.0	7151	0.0	3.6	0.7	0.3	0.0	223	3.7	0.0	0.1	0.1	0.2	3.2	7.3	5.8	50.0	181	1148	256	21.3	3.0	33.0	59	0.0	
6/08/2012	1028	5.4	0.1	0.0	627	3.6	0.0	47.0	1500	0.0	0.0	0.0	6750	0.0	2.6	0.7	6.7	0.0	177	2.7	0.0	0.2	0.0	0.2	1.8	7.3	4.7	52.0	-80	835	275	19.4	1.7	29.0	65	0.6	
13/11/2012	1388	14.0	0.4	0.0	847	9.9	0.0	49.0	1870	0.0	0.0	0.0	7760	0.0	1.7	0.7	21.0	0.0	203	2.6	0.0	0.1	0.0	0.1	2.4	7.2	5.5	49.0	-65	998	198	20.9	2.3	36.5	110	2.6	
13/02/2013	772	16.0	0.4	0.0	471	8.7	0.0	34.0	1240	0.0	0.0	0.0	5140	0.0	5.0	0.4	19.0	0.0	133	2.0	0.0	0.9	0.0	0.9	2.9	7.3	2.4	31.0	21	940	154	21.9	2.0	22.0	41	3.4	
14/05/2013	1326	1.1	0.3	0.0	809	1.8	0.0	48.0	1800	0.0	0.0	0.0	7200	0.0	4.1	0.7	2.3	0.0	191	2.6	0.0	0.1	0.0	0.1	1.8	7.3	6.0	48.0	-40	1103	252	21.5	1.7	35.0	117	0.1	
6/08/2013	146	1.5	0.0	0.0	89	1.0	0.0	51.0	1290	0.0	0.0	0.0	6000	0.0	4.9	0.7	2.2	0.0	180	3.0	0.0	0.1	0.0	0.1	1.5	7.5	4.7	42.0	115	954	383	19.5	1.5	26.9	93	0.1	
12/11/2013	1251	5.3	0.2	0.0	763	3.3	0.0	57.0	1680	0.0	0.0	0.0	7430	0.0	3.1	0.8	6.8	0.0	220	3.2	0.0	0.1	0.0	0.1	2.2	7.3	5.5	49.0	-80	1212	316	20.7	2.1	36.0	37	0.4	
11/02/2014	1236	2.2	0.3	0.0	754	3.0	0.0	53.0	1730	0.0	0.0	0.0	7298	0.0	3.5	0.6	3.5	0.0	205	3.0	0.0	0.1	0.0	0.1	2.0	7.2	1.9	44.0	-51	1334	269	21.9	1.9	34.0	186	0.2	
13/05/2014	1000	2.1	0.2	0.0	61	2.1	0.0	52.0	1440	0.0	0.0	0.0	7050	0.0	3.4	0.8	2.7	0.0	190	2.4	0.0	0.3	0.0	0.3	2.0	7.3	5.9	47.0	48	1219	272	22.5	1.7	31.3	76	0.1	
12/08/2014	1088	3.0	0.2	0.0	664	2.7	0.0	52.0	1650	0.0	0.0	0.0	6950	0.0	4.5	0.8	4.9	0.0	193	2.8	0.0	0.1	0.0	0.1	2.0	7.4	5.4	44.0	-16	1126	293	20.4	1.9	211.0	116	0.3	
10/11/2014	1165	2.9	0.2	0.0	711	1.5	0.0	50.0	1690	0.0	0.0	0.0	7	0.0	3.9	0.8	3.8	0.0	195	2.5	0.0	0.1	0.0	0.1	2.0	7.3	5.3	44.0	59	1247	300	20.9	1.9	226.0	165	0.2	
9/02/2015	1322	4.4	28.2	0.0	806	190.0	0.0	46.0	1600	0.0	0.0	0.0	7050	0.0	1.0	0.8	13.4	0.0	211	2.9	0.0	0.0	0.0	0.1	46.6	7.2	15.0	52.0	-216	1220	788	22.9	46.6	144.0	180	1.6	
11/05/2015	1241	6.7	3.8	0.0	757	36.0	0.0	52.0	1700	0.0	0.0	0.0	7100	0.0	1.3	0.8	11.6	0.0	206	3.0	0.0	0.1	0.0	0.1	9.3	7.3	9.0	43.0	-81	1232	183	22.4	9.2	207.0	104	1.3	
11/08/2015	1198	5.4	2.4	0.0	1198	14.0	0.0	58.0	1620	0.0	0.0	0.0	6940	0.0	2.2	0.8	11.1	0.0	224	2.6	0.0	0.1	0.0	0.1	6.6	7.4	5.8	46.0	-78	1270	237	20.4	6.5	188.0	92	1.1	
10/11/2015	1170	1.0	1.0	0.0	1170	4.5	0.0	53.0	1400	0.0	0.0	0.0	6020	0.0	1.3	0.8	4.3	0.0	194	3.0	0.0	0.0	0.0	0.0	2.8	7.3	7.0	38.0	-62	990	307	20.5	2.8	193.0	76	0.2	
8/02/2016	1250	1.9	3.1	0.0	1250	10.2	0.0	52.4	1550	0.0	0.0	0.0	6920	0.0	2.2	0.7	5.4	0.0	202	2.8	0.0	0.1	0.0	0.1	6.9	7.2	6.0	43.3	-86	1165	220	22.0	6.8	41.3	114	1.0	
9/05/2016	1320	11.2	8.7	0.0	1320	69.0	0.0	49.6	1535	0.0	0.0	0.0	6680	0.0	0.1	0.8	32.7	0.0	194	3.0	0.0	0.2	0.0	0.2	15.0	7.2	6.5	45.1	-144	1119	256	23.3	14.8	49.3	120	3.6	
9/08/2016	935		2.4		935	12.0		40.3	1275				5728		1.3	0.7			154			0.1	0.0	0.1	6.0	7.2	4.1	37.2	-67	954	212	19.9	5.9	23.9	115		
7/11/2016	1120		0.6		1120	2.0		50.9	1650				6321		2.9	0.8			193			0.0	0.0	0.0	2.3	7.2	6.7	41.7	183	1083	282	20.5	2.2	29.7	77		
7/02/2017	1200		1.1		1200	8.5		45.8	1550				6965		1.6	0.7			184			0.1	0.0	0.1	3.4	7.2	5.2	37.1	33	1041	211	22.2	3.4	32.9	134		
8/05/2017	946	8.3	2.1	0.0	946	8.5	0.0	36.7	1290	0.0	0.0	0.0	5581	0.0	2.2	0.7	27.0	0.0	149	2.1	0.0	0.1	0.0	0.1	4.3	7.2	3.9	35.5	-15	881	194	22.0	4.3	26.7	78	4.9	
8/08/2017	973		0.0		973	2.0		46.9	1225				5962		4.2	0.7			172			0.6	0.0	0.6	2.4	7.4	5.6	37.8	281	942	304	19.9	1.8	29.4	50		1.4
7/11/2017	1		0.5			4.2		54.3	1850				7777		1.8	0.1			220			0.1	0.0	0.1	3.4	7.2	4.7	46.0	-44	1278	255	21.1	3.3	36.7	113		0.9
13/02/2018	1164		0.4		1164	2.1		50.9	1540				6535		2.7	0.8			189			0.2	0.0	0.2	2.5	7.2	6.1	40.1	-19	1064	281	22.4	2.2	34.2	55		1.4
8/05/2018	1177	1.3	0.5	0.0	1177	3.0	0.0	53.2	1600	0.0	0.0	0.0	6730	0.0	2.7	0.9	2.9	0.0	206	2.9	0.0	0.3	0.0	0.3	2.3	7.2	5.9	43.6	31	1160	292	22.0	2.0	35.7	39	0.2	1.0
14/08/2018	985		0.0		985	2.1		51.6	1400				5801		4.4	0.7			185			0.2	0.0	0.2	0.8	7.4	2.7	40.7	314	1030	345	19.7	0.6	34.0	19		1.4
13/11/2018	1042		0.4		1042	1.8		50.7	1370				6150		2.9	0.8			188			0.1	0.0	0.1	2.0	7.4	5.3	41.1	48	1040	328	21.0	1.9	32.4	49		1.3
21/02/2019	1148		0.7		1148	2.4		54.9	1615				6826		2.6	0.8			206			0.1	0.0	0.1	2.8	7.3	6.3	44.2	94	1201	285	23.7	2.7	39.0	47		1.9
14/05/2019	1	6.2	2.1	0.0	0	13.0	0.0	57.0	1620	0.0	0.0	0.0	6890	0.0	2.0	0.8	15.0	0.0	214	3.4	0.0	0.2	0.0	0.2	5.3	7.2	6.5	50.0	-74	1250	271	22.2	5.1	40.0	49	1.5	1.2
13/08/2019	1007		0.1		1007	6.6		53.0	1380				6010		3.2	0.8			196			0.5	0.0	0.5	2.4	7.5	5.8	43.0	241	1070	330	20.4	1.9	33.0	20		1.6
12/11/2019	1073		0.3		1073	1.5		51.0	1440				6429		2.6	0.7			196			0.1	0.0	0.1	2.0	7.1	6.0	41.0	73	1070	324	21.0	1.9	30.0	49		1.9
25/02/2020	1342		4.6		1342	69.0		55.0	1820				7722		1.3	0.7			220			0.1	0.0	0.1	12.1	7.1	6.7	50.0	-199	1280	217	22.0	12.0	53.0	100		0.9
12/05/2020	1357	4.8	3.0	0.0	1357	19.0	0.0	51.0	1780	0.0	0.0	0.0	7337	0.0	1.9	0.8	12.0	0.0	204	3.1	0.0	0.1	0.0	0.1	8.0	7.2	6.7	46.0	-114	1200	150	21.7	7.9	40.0	66	1.5	1.5
11/08/2020	1110		0.5		1110	6.0		51.0	1400				6283		2.6	0.8			190			0.1	0.1	0.1	3.0	7.4	7.0	42.0	107	1040	271	19.5	2.9	34.0	28		1.1
10/11/2020	1117																																				

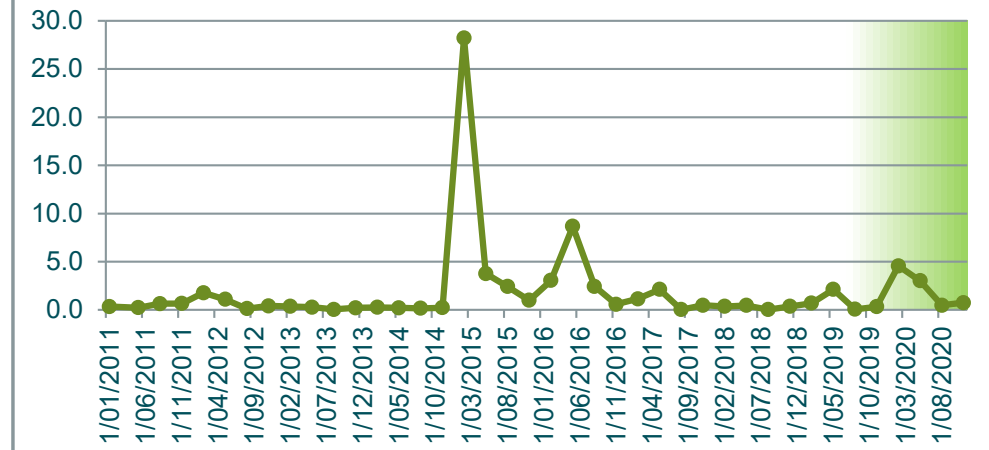
**Alkalinity
mg/L as CaCO3**



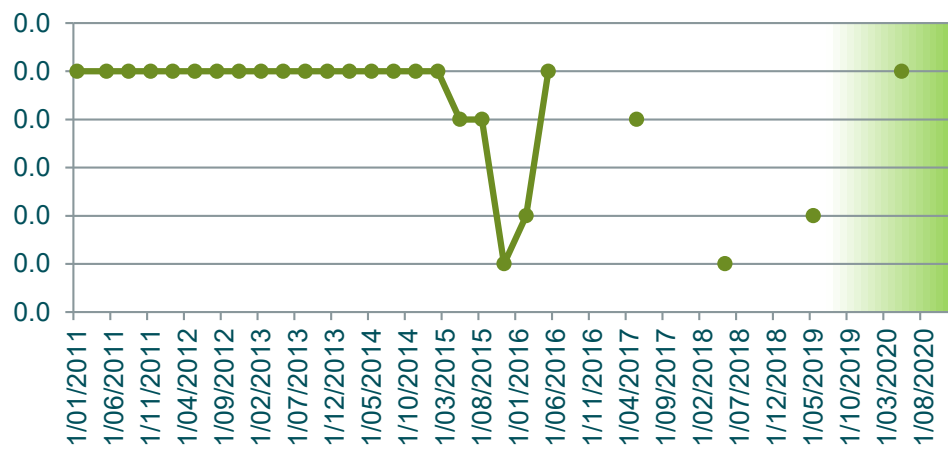
**Aluminium (Total)
mg/L**



**Ammonia
mg/L**



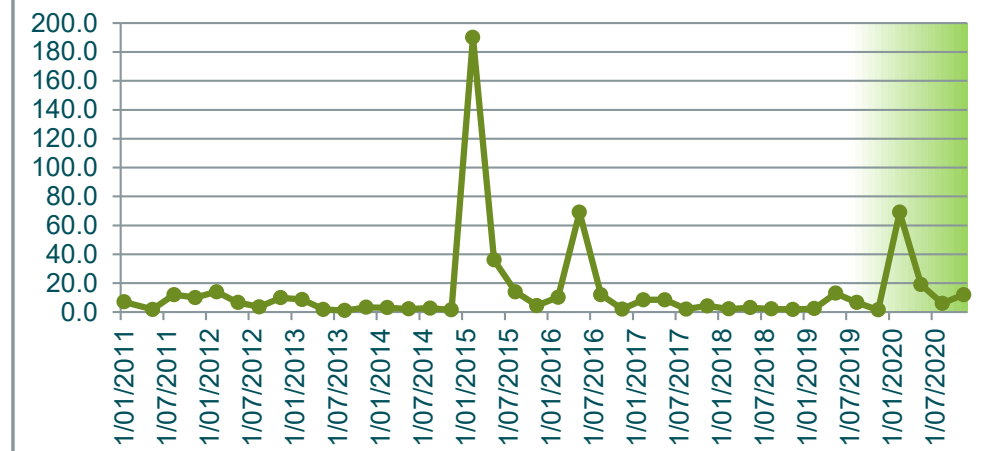
**Arsenic (Total)
mg/L**



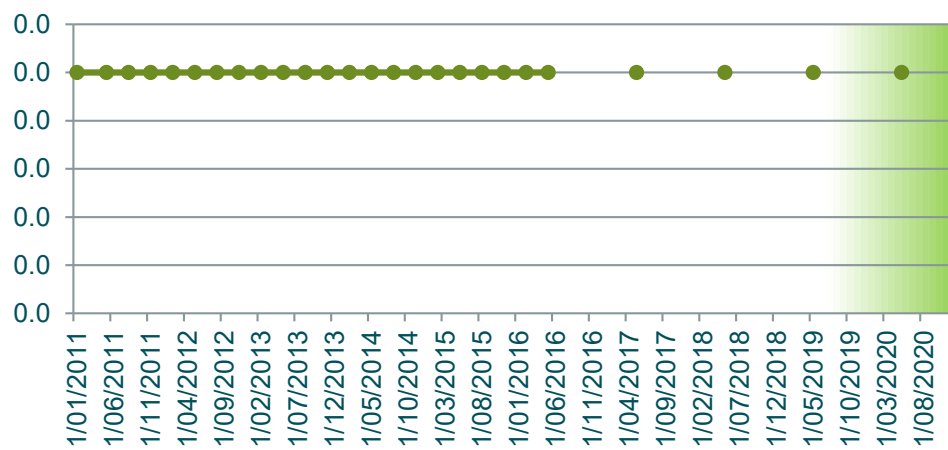
**Bicarbonate HCO3
mg/L**



**BOD5
mg/L**



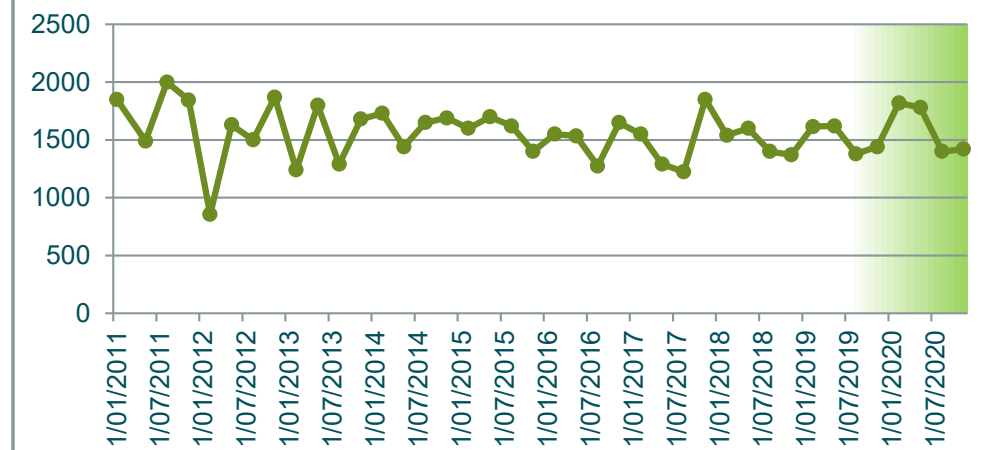
**Cadmium (Total)
mg/L**



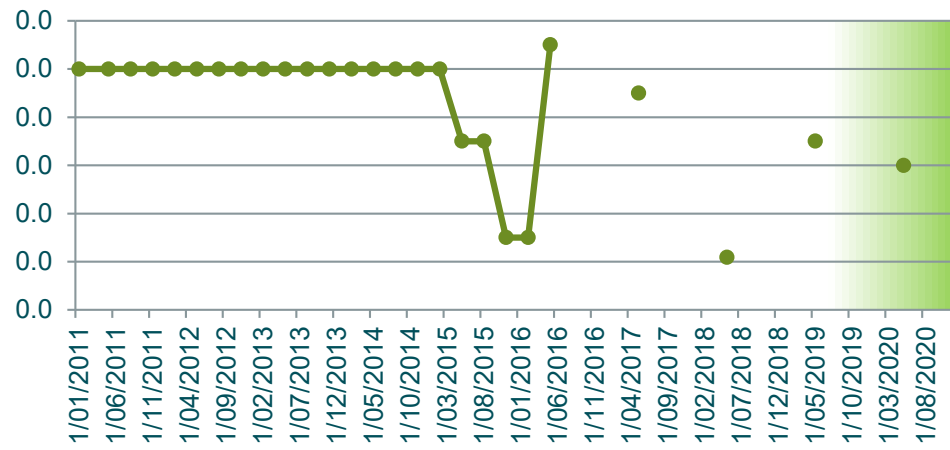
**Calcium (Total)
mg/L**



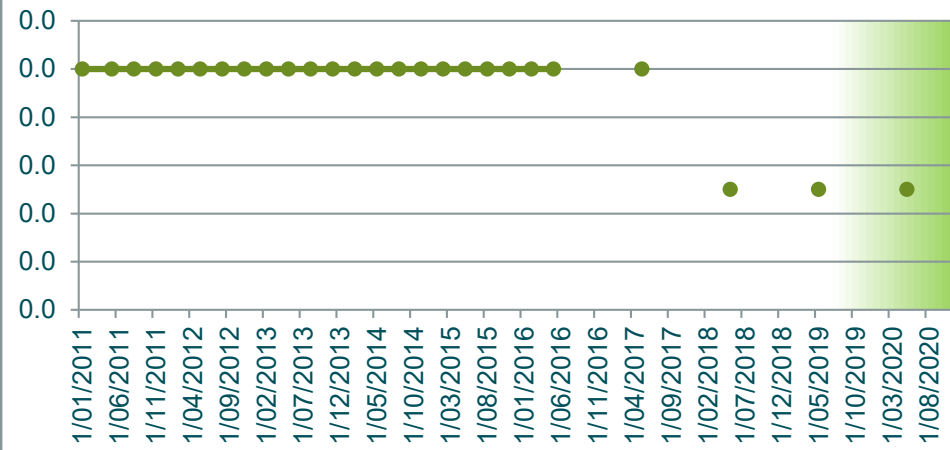
**Chloride
mg/L**



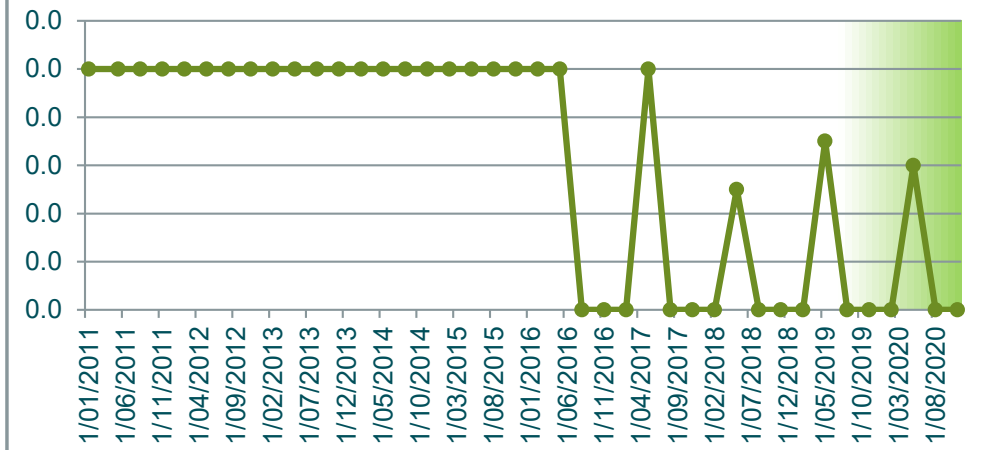
**Chromium (Total)
mg/L**



**Chromium 3
mg/L**



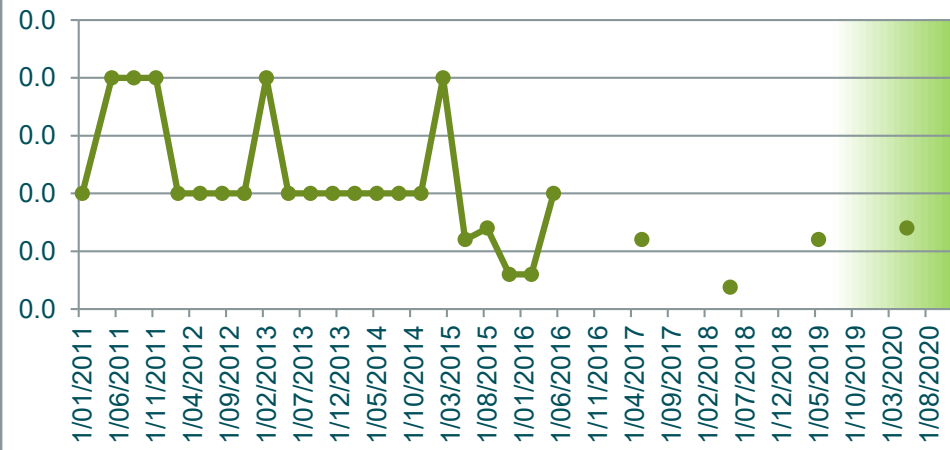
**Chromium 6
mg/L**



**Conductivity
µScm-1**



**Copper (Total)
mg/L**



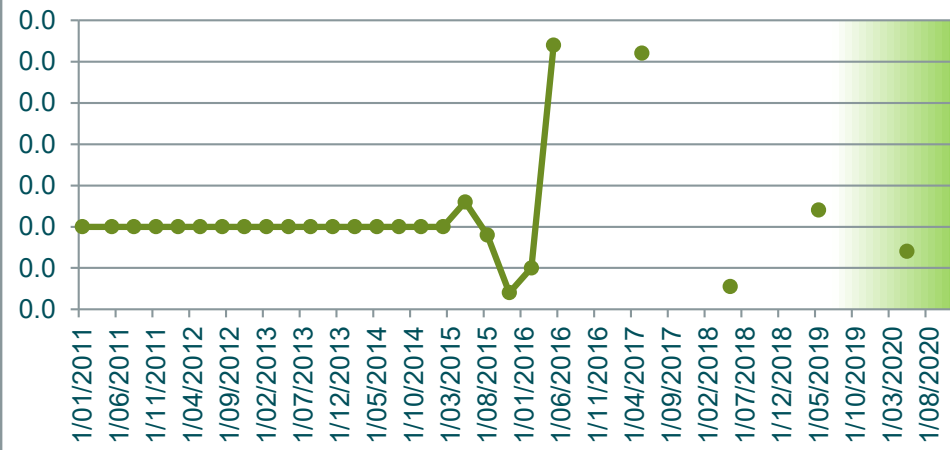
**Flouride
mg/L**



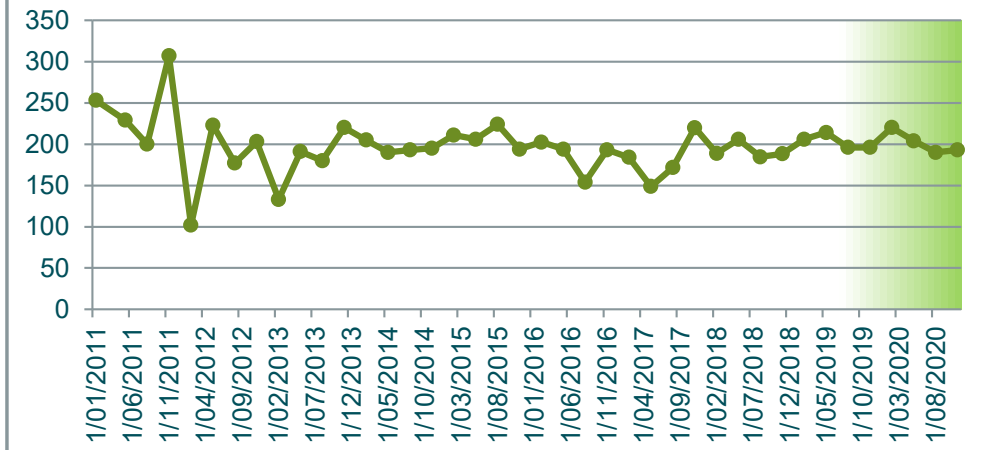
**Iron Total
mg/L**



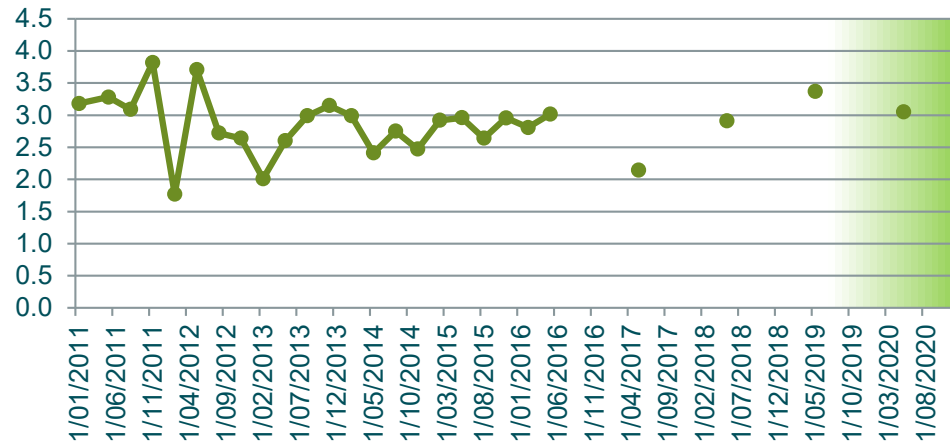
**Lead (Total)
mg/L**



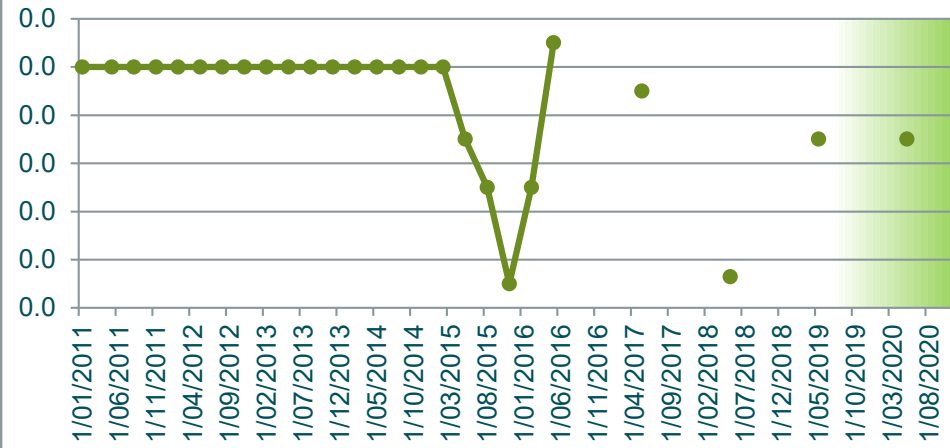
**Magnesium (Total)
mg/L**



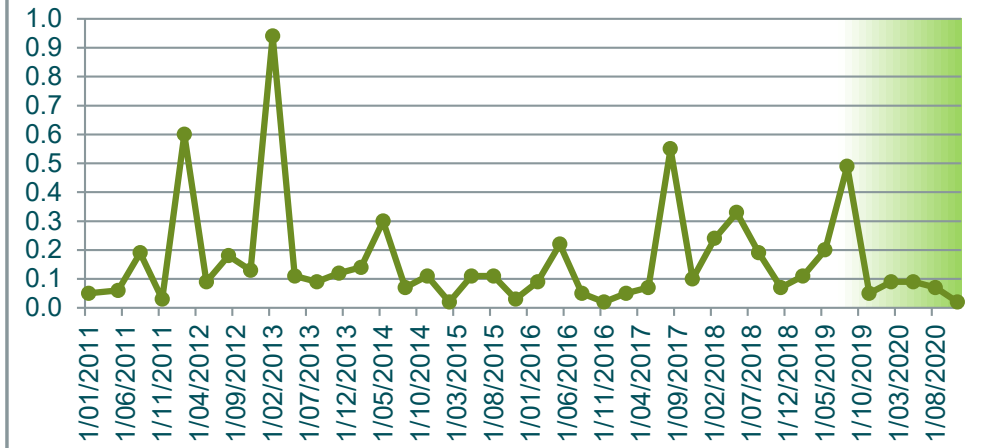
Manganese Total mg/L



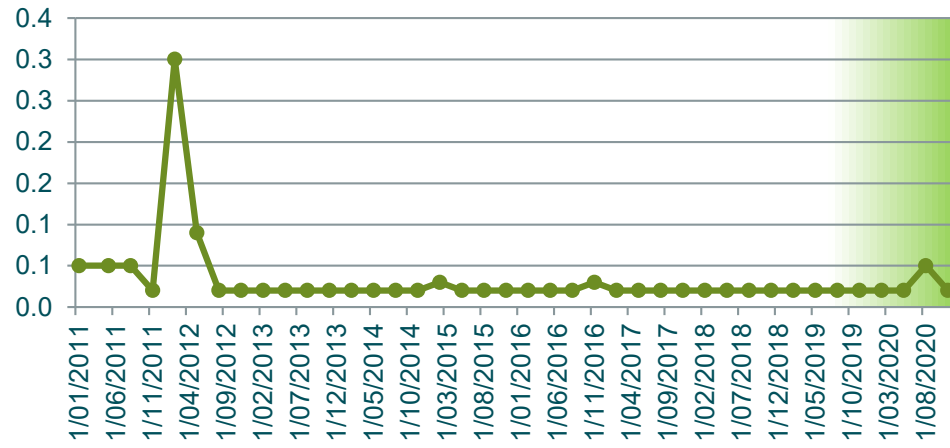
Nickel (Total) mg/L



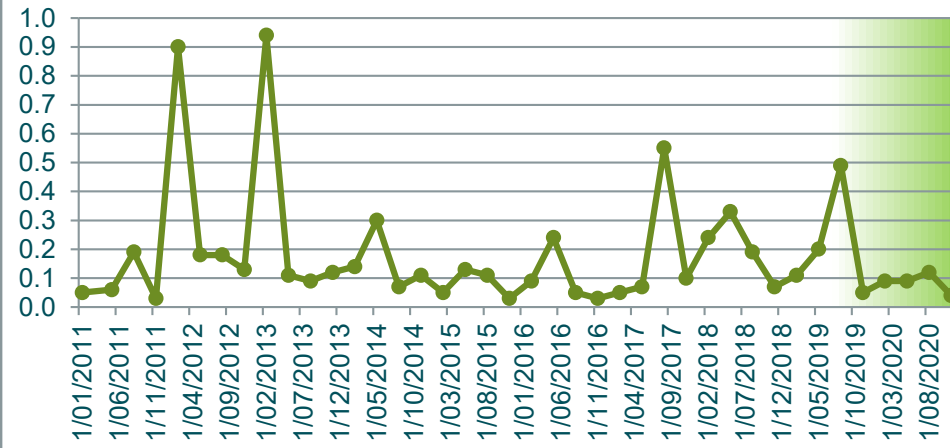
Nitrate N mg/L



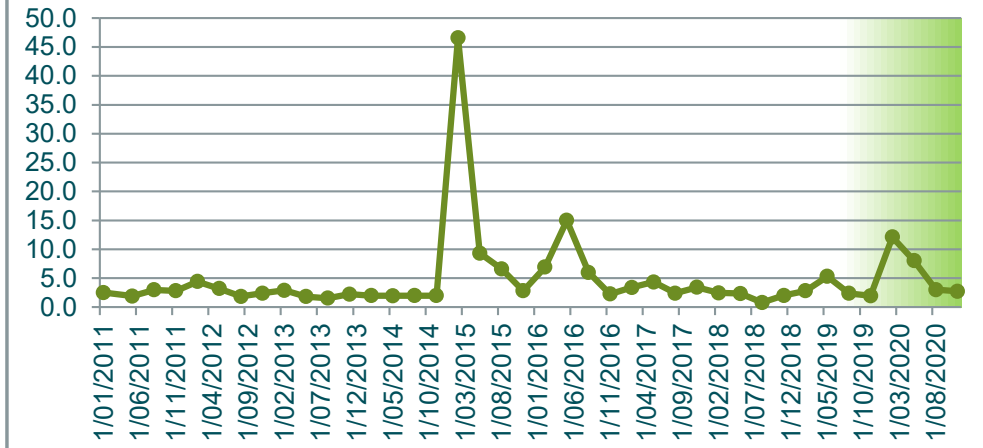
Nitrite N mg/L



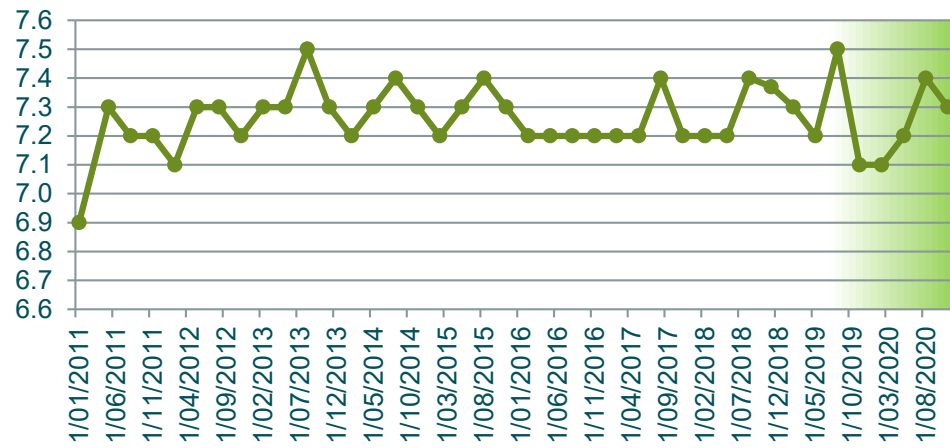
Nitrogen Oxidised mg/L



Nitrogen Total mg/L



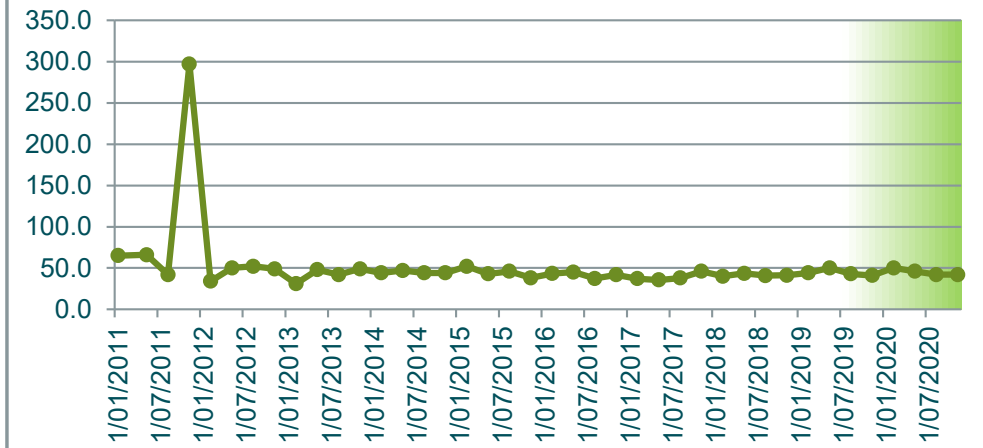
pH pH units



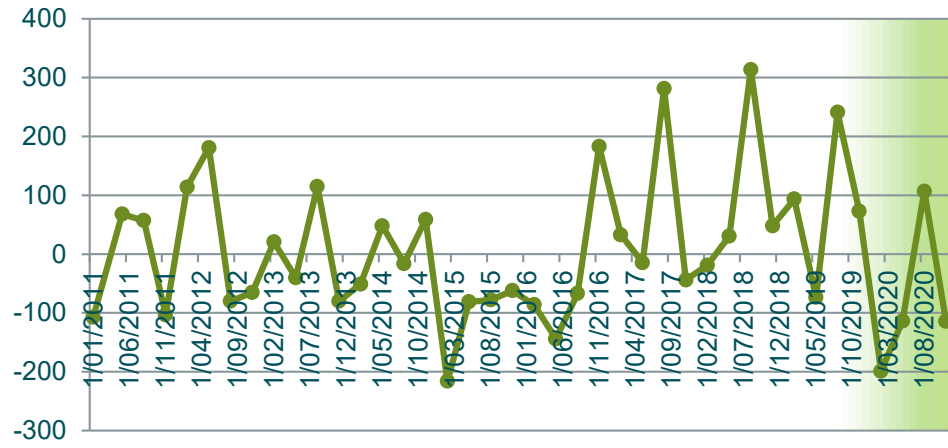
Phosphorus Total mg/L



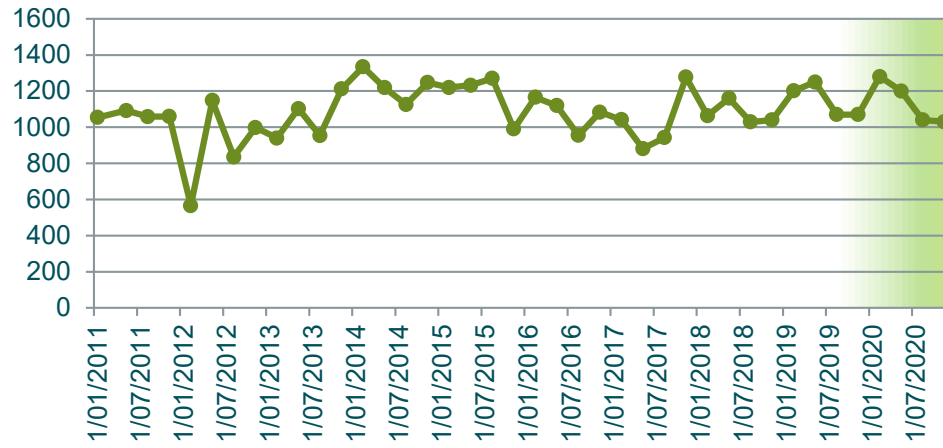
Potassium Total mg/L



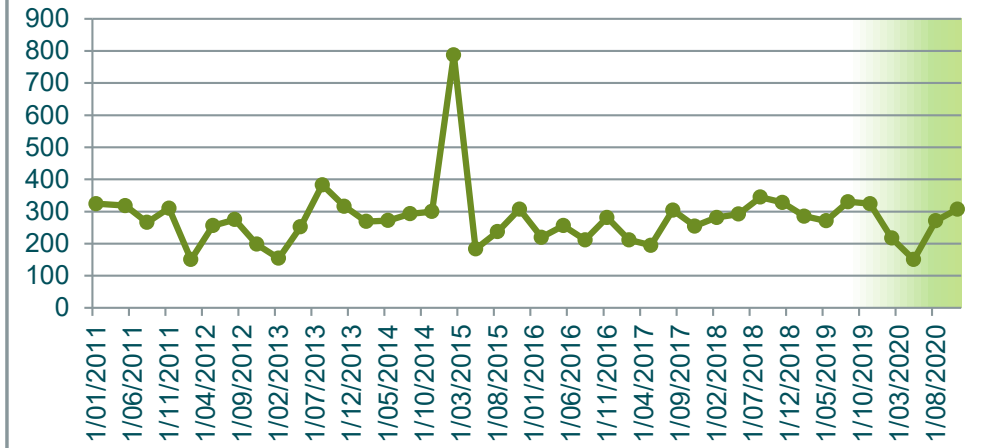
**Redox Potential
mV**



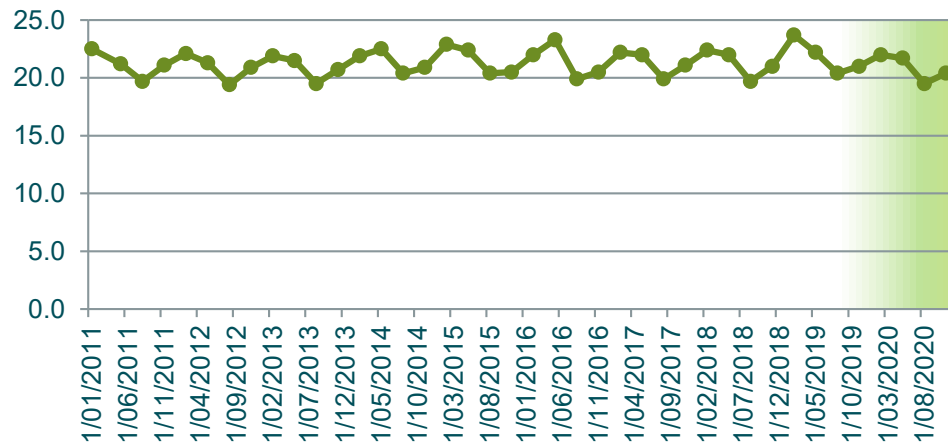
**Sodium (Total)
mg/L**



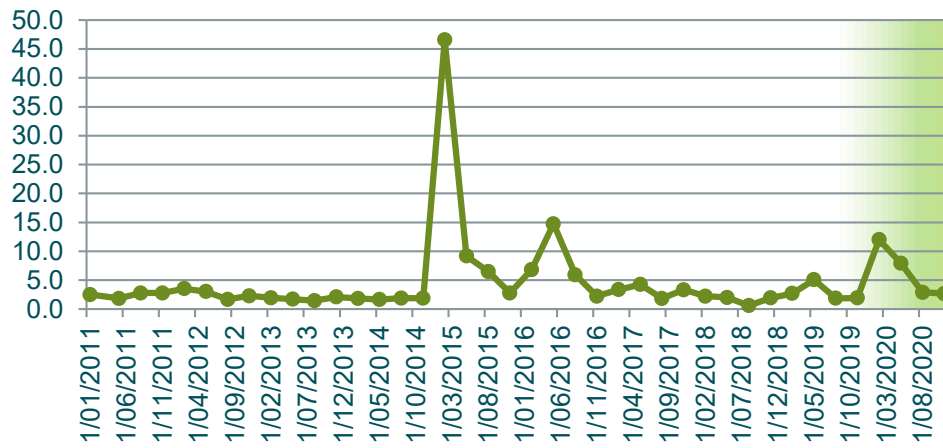
**Sulphate
mg/L**



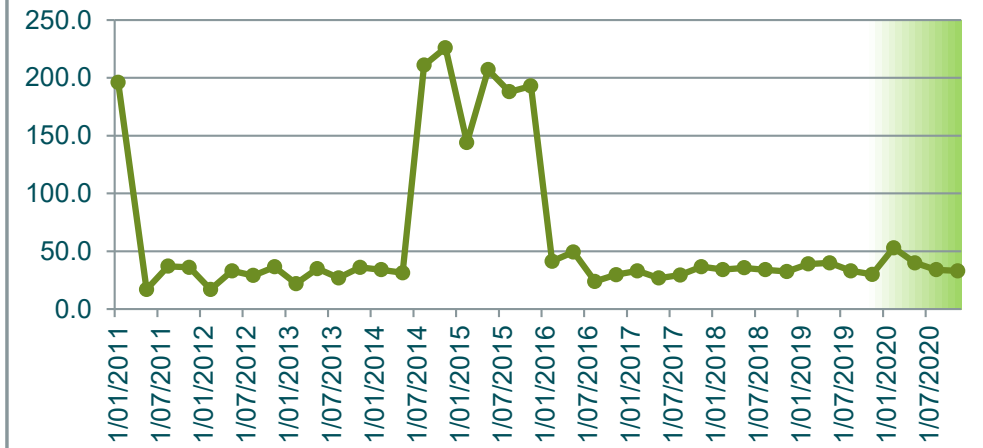
**Temperature
C**



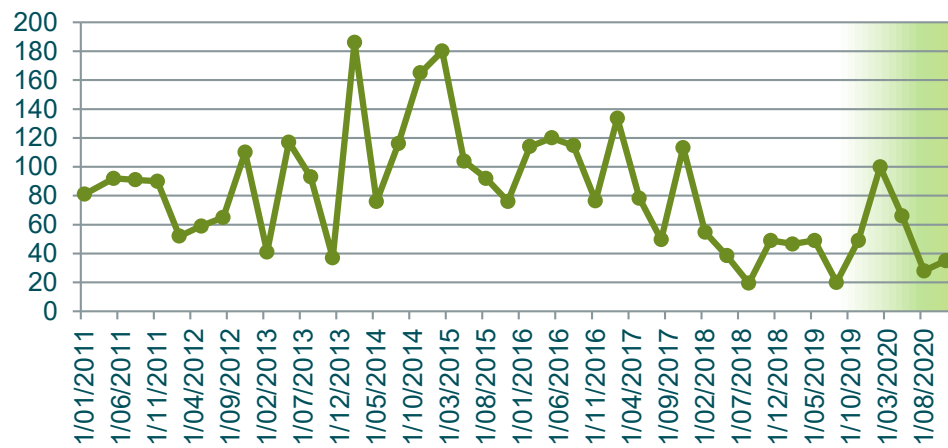
**TKN
mg/L**



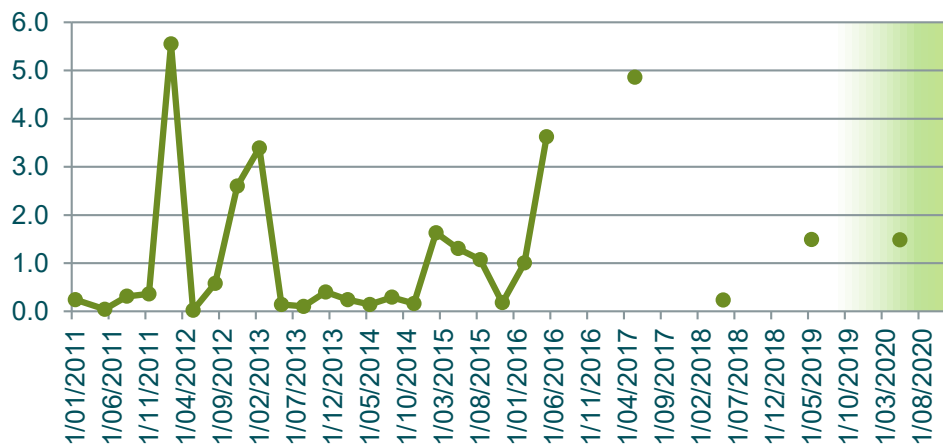
**TOC
mg/L**



**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**



**DO (Membrane Electrode)
mg/L**

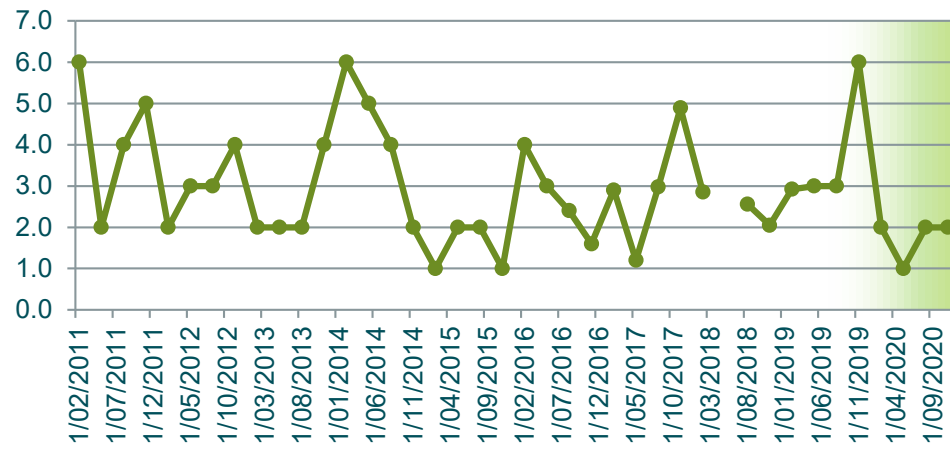


Depth to Grounwater m

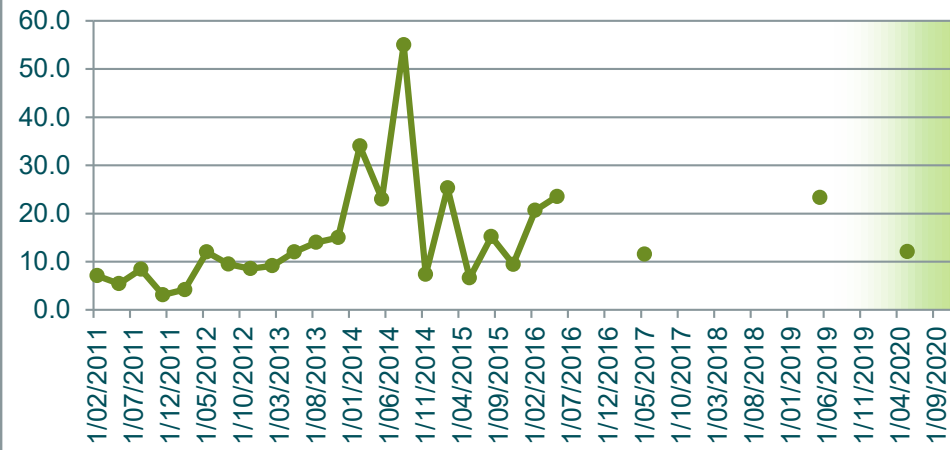


GW5	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m		
1/02/2011	6.0	7.1	0.1	0.0	4.0	1.0	0.0	1.2	22.0	0.0	0.0	0.0	99	0.0	4.9	0.1	12.0	0.0	1.0	3.1	0.0	0.2	0.1	0.2	0.3	5.4	0.2	5.0	216	9.4	7.5	22.3	0.1	3.4	50	0.0			
11/05/2011	2.0	5.4	0.1	0.0	1.0	1.0	0.0	2.2	19.0	0.0	0.0	0.0	111	0.0	5.8	0.0	8.1	0.0	1.4	2.8	0.0	0.5	0.1	0.5	0.7	3.8	0.3	5.0	317	11.0	6.8	21.0	0.1	1.0	47	0.1			
10/08/2011	4.0	8.4	0.1	0.0	2.0	2.4	0.0	0.7	19.0	0.0	0.0	0.0	106	0.0	4.7	0.0	12.0	0.0	1.2	2.7	0.0	0.3	0.1	0.3	0.5	4.8	0.2	5.0	303	13.0	5.2	20.6	0.2	1.0	48	0.0			
9/11/2011	5.0	3.1	0.0	0.0	3.0	6.0	0.0	0.7	18.0	0.0	0.0	0.0	90	0.0	4.7	0.1	3.7	0.0	2.2	0.9	0.0	0.3	0.0	0.3	0.4	5.1	0.2	5.0	310	7.3	7.4	21.8	0.1	0.6	48	0.0			
7/02/2012	2.0	4.2	0.0	0.0	1.0	2.1	0.0	0.5	20.0	0.0	0.0	0.0	97	0.0	4.4	0.0	7.5	0.0	1.3	2.2	0.0	0.3	0.0	0.3	0.4	4.7	0.1	5.0	282	14.0	7.5	21.6	0.1	0.1	46	0.0			
9/05/2012	3.0	12.0	0.0	0.0	2.0	1.0	0.0	0.4	21.0	0.0	0.0	0.0	96	0.0	5.4	0.0	19.0	0.0	1.2	5.3	0.0	0.3	0.0	0.3	0.4	4.9	0.1	5.0	298	11.0	6.5	21.3	0.1	0.7	56	0.3			
7/08/2012	3.0	9.5	0.0	0.0	2.0	1.0	0.0	1.2	16.0	0.0	0.0	0.0	91	0.0	5.1	0.0	8.3	0.0	1.5	1.7	0.0	0.4	0.0	0.4	0.4	4.6	0.1	5.0	289	8.7	6.3	20.7	0.1	0.2	37	0.2			
14/11/2012	4.0	8.6	0.1	0.0	2.0	1.0	0.0	0.6	18.0	0.0	0.0	0.0	95	0.0	4.9	0.1	10.0	0.0	0.8	3.1	0.0	0.3	0.0	0.3	0.7	5.0	0.7	5.0	226	10.0	5.3	22.5	0.5	7.3	56	0.4			
14/02/2013	2.0	9.2	0.0	0.0	1.0	1.0	0.0	0.4	20.0	0.0	0.0	0.0	95	0.0	4.9	0.1	8.6	0.0	1.2	1.0	0.0	0.3	0.0	0.3	0.3	4.6	0.1	5.0	256	12.0	6.0	21.5	0.1	0.6	43	0.1			
15/05/2013	2.0	12.0	0.2	0.0	1.0	1.8	0.0	0.5	15.0	0.0	0.0	0.0	88	0.0	5.1	0.0	13.0	0.0	1.0	2.7	0.0	0.3	0.0	0.3	0.5	4.5	0.1	5.0	209	11.0	6.1	21.4	0.2	0.6	113	0.1			
7/08/2013	2.0	14.0	0.1	0.0	1.0	1.0	0.0	0.4	16.0	0.0	0.0	0.0	84	0.0	5.2	0.0	17.0	0.0	1.0	4.1	0.0	0.3	0.0	0.3	0.6	4.7	0.5	5.0	236	12.0	7.4	21.1	0.3	0.3	107	0.1			
13/11/2013	4.0	15.0	0.1	0.0	2.0	1.5	0.0	0.5	18.0	0.0	0.0	0.0	101	0.0	4.1	0.0	21.0	0.0	1.0	6.1	0.0	0.3	0.0	0.3	0.7	4.8	0.4	5.0	196	13.0	7.3	22.5	0.4	0.3	67	0.1			
12/02/2014	6.0	34.0	0.1	0.0	4.0	2.7	0.0	0.5	17.0	0.0	0.0	0.0	83	0.1	5.3	0.0	61.0	0.1	0.7	20.0	0.1	0.3	0.0	0.3	0.9	5.2	0.6	5.0	148	11.0	6.0	22.2	0.7	0.4	108	0.7			
14/05/2014	5.0	23.0	0.0	0.0	3.0	1.5	0.0	0.5	25.0	0.0	0.0	0.0	100	0.1	6.1	0.0	50.0	0.0	0.8	9.4	0.0	1.0	0.0	1.0	1.1	4.8	0.2	5.0	139	12.0	5.3	20.5	0.1	0.5	58	0.4			
13/08/2014	4.0	55.0	0.0	0.0	2.0	2.4	0.0	0.4	20.0	0.0	0.0	0.0	109	0.1	6.1	0.0	68.2	0.1	1.2	14.0	0.1	0.7	0.0	0.7	0.9	5.3	0.4	5.0	147	15.0	7.4	20.9	0.2	0.5	101	0.7			
11/11/2014	2.0	7.4	0.0	0.0	1.0	3.0	0.0	0.5	17.0	0.0	0.0	0.0	109	0.0	5.7	0.0	10.0	0.0	1.5	1.9	0.0	0.5	0.0	0.5	0.8	4.8	0.2	5.0	178	15.0	7.6	21.4	0.3	0.4	70	0.2			
10/02/2015	1.0	25.3	0.0	0.0	1.0	1.8	0.0	0.8	18.0	0.0	0.0	0.0	86	0.0	6.2	0.0	10.5	0.0	1.1	1.8	0.0	0.7	0.0	0.7	1.1	4.8	0.1	5.0	191	9.9	6.6	21.6	0.4	0.5	65	0.0			
12/05/2015	2.0	6.6	0.0	0.0	1.0	3.0	0.0	0.9	16.0	0.0	0.0	0.0	85	0.0	6.3	0.0	6.3	0.0	1.4	1.3	0.0	0.9	0.0	0.9	1.3	4.9	0.1	5.0	219	11.0	5.5	21.5	0.4	2.4	50	0.1			
12/08/2015	2.0	15.2	0.0	0.0	2.0	1.8	0.0	0.9	16.0	0.0	0.0	0.0	89	0.0	6.3	0.0	20.9	0.0	1.6	4.1	0.0	0.6	0.0	0.6	1.2	4.7	0.2	5.0	235	12.0	5.3	21.0	0.6	0.9	65	0.1			
11/11/2015	1.0	9.5	0.0	0.0	1.0	1.0	0.0	1.3	13.0	0.0	0.0	0.0	85	0.0	6.0	0.0	12.1	0.0	1.6	2.7	0.0	1.5	0.0	1.5	1.8	4.6	0.1	5.0	227	9.7	4.7	21.4	0.3	1.0	63	0.1			
9/02/2016	4.0	20.7	0.3	0.0	4.0	1.8	0.0	1.4	26.0	0.0	0.0	0.0	120	0.1	4.8	0.0	27.0	0.0	2.0	5.8	0.0	0.3	0.0	0.3	1.3	5.1	0.2	5.0	234	15.8	6.2	22.6	1.0	1.3	94	0.1			
10/05/2016	3.0	23.5	0.0	0.0	3.0	1.0	0.0	0.5	20.0	0.0	0.0	0.0	94	0.1	4.8	0.0	32.1	0.0	1.2	5.7	0.0	0.3	0.0	0.3	1.1	4.8	0.4	5.0	247	12.0	5.9	21.5	0.8	0.4	83	0.1			
10/08/2016	2.4		0.0		2.0	2.1		1.0	16.0				92		4.7	0.0			1.5			0.4	0.0	0.4	0.7	4.6	0.1	5.0	329	12.8	5.5	21.0	0.3	0.8	74				
8/11/2016	1.6		0.0		2.0	1.0		0.5					92		4.5	0.0			1.4			0.4	0.0	0.4	0.7	4.5	0.2	5.0	377	12.9	6.6	21.7	0.3	0.6	88				
8/02/2017	2.9		0.0		3.0	1.0		0.5	20.0				96		5.2	0.0			1.3			0.5	0.0	0.5	1.0	4.4	0.4	5.0	418	12.3	6.2	21.6	0.6	0.5	123				
9/05/2017	1.2	11.6	0.0	0.0	1.0	1.2	0.0	2.0	17.0	0.0	0.0	0.0	104	0.0	5.5	0.0	15.6	0.0	2.3	3.0	0.0	3.7	0.0	3.7	4.1	4.4	0.2	5.0	415	10.4	4.9	20.9	0.5	1.0	85	0.1			
9/08/2017	3.0		0.0		3.0	1.2		1.0	20.0				102		5.6	0.0			1.5			1.2	0.0	1.2	1.9	4.5	0.3	5.0	459	12.4	6.5	20.7	0.7	1.0	70		8.0		
8/11/2017	4.9		0.0		5.0	1.5		1.1	16.0				74		4.9	0.0			1.3			0.6	0.0	0.6	1.1	4.7	0.3	5.0	424	9.0	4.4	21.1	0.5	1.3	71		9.5		
14/02/2018	2.9		0.0		3.0	3.9		0.7	17.0				94		5.1	0.0			1.4			0.7	0.0	0.7	1.1	4.7	0.3	5.0	454	12.3	6.5	21.7	0.4	2.8	69		10.0		
8/05/2018																																							
15/08/2018	2.6		0.0		3.0	1.5		0.6	19.0				94		5.6	0.0			1.5			0.6	0.0	0.6	1.0	4.7	0.3	0.5	456	13.4	6.9	20.9	0.5	7.5	60		10.1		
14/11/2018	2.1		0.0		2.0	1.8		0.6	15.0				94		5.6	0.0			1.4			0.6	0.0	0.6	1.1	4.7	0.3	0.5	341	12.8	7.1	21.6	0.5	0.7	70		9.0		
13/02/2019	2.9		0.0		3.0	1.2		0.5	22.5				96		5.6	0.0			1.4			0.4	0.0	0.4	1.1	4.6	0.4	0.6	419	13.9	7.6	22.3	0.7	0.8	63		10.4		
15/05/2019	3.0	23.3	0.0	0.0	3.0	1.0	0.0	0.6	18.0	0.0	0.0	0.0	92	0.1	5.9	0.0	36.2	0.0	1.3	6.5	0.0	0.6	0.0	0.6	1.1	4.7	0.5	0.6	316	13.0	7.1	21.0	0.4	0.4	63	0.3	8.7		
14/08/2019	3.0		0.0		3.0	1.0		0.8	17.0				94		6.2	0.0			1.5			0.7	0.0	0.7	1.1	4.8	0.4	0.5	365	13.0	6.9	20.4	0.4	1.0	54		8.6		
13/11/2019	6.0		0.0		6.0	1.0		0.3	32.0				100		5.6	0.1			1.0			0.4	0.0	0.4	1.3	5.0	0.5	0.6	322	14.0	7.3	21.3	0.8	0.5	64		11.0		
26/02/2020	2.0		0.1		2.0	1.0		0.9	16.0				84		6.9	0.0			1.2			0.7	0.0	0.7	1.0	4.9	0.1	0.5	244	10.0	6.0	22.1	0.3	1.0	39.0		5.0		
13/05/2020	1.0	12.1	0.0	0.0		3.3	0.0	0.6	22.0	0.0	0.0	0.0	99	0.0	6.0	0.0	13.6	0.0	1.4	3.1	0.0	0.7	0.0	0.7	1.1	4.4	0.1	0.5	331	12.0	6.9	20.6	0.4	0.6	56.0	0.1	7.9		
12/08/2020	2.0		0.0		2.0	1.0		0.8	16.0				86		6.4	0.0			1.4			0.5	0.0	0.5	0.7	4.5	0.1	0.5	364	12.0	5.7	20.9	0.2	1.0	54.0		7.3		
11/11/2020	2.0		0.0		2.0	1.2		0.6	20.0				90		5.3	0.1			1.4			0.6	0.0	0.6	1.8	4.4	0.5	0.5	408	12.0	6.4	21.3	1.2	0.7	65.0		9.5		
2020 Min	<																																						

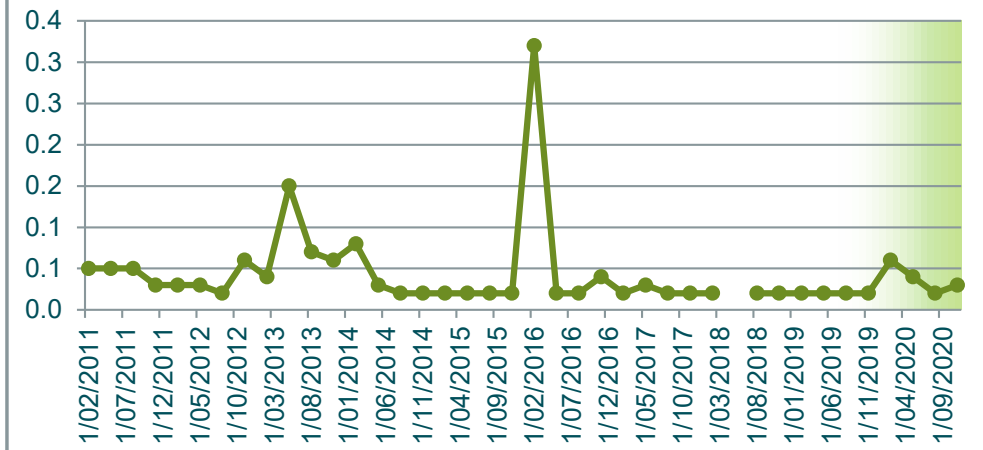
Alkalinity
mg/L as CaCO₃



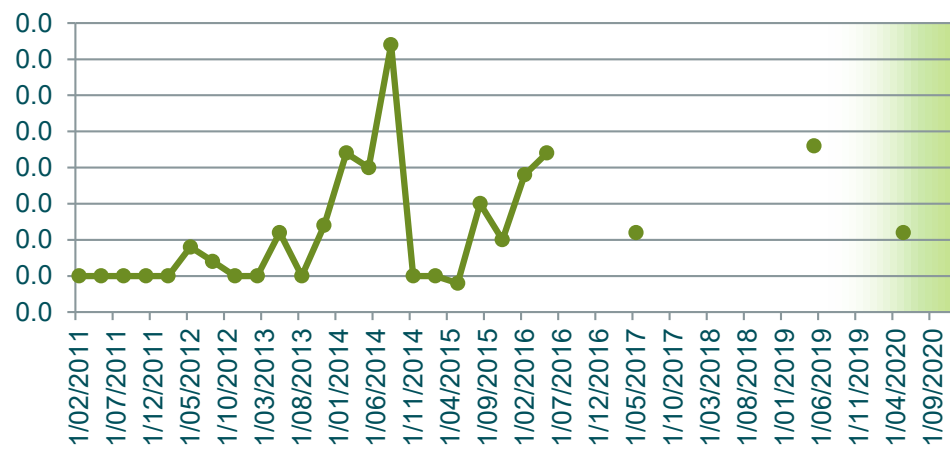
Aluminium (Total)
mg/L



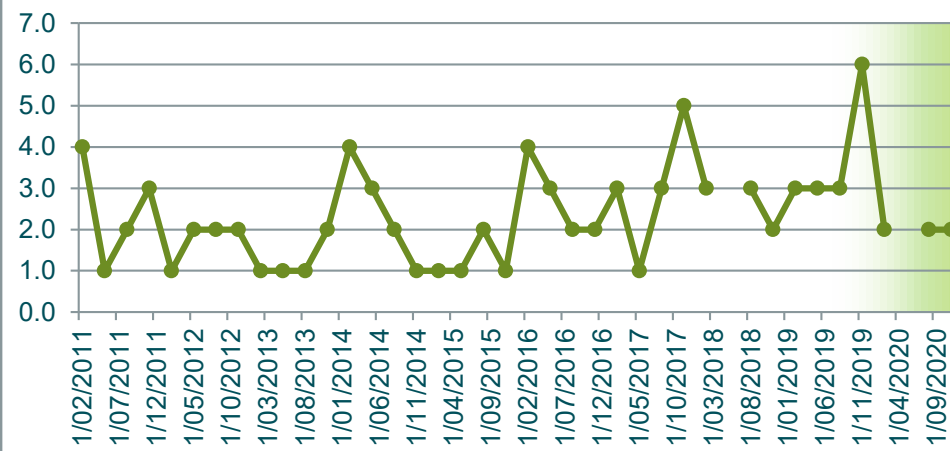
Ammonia
mg/L



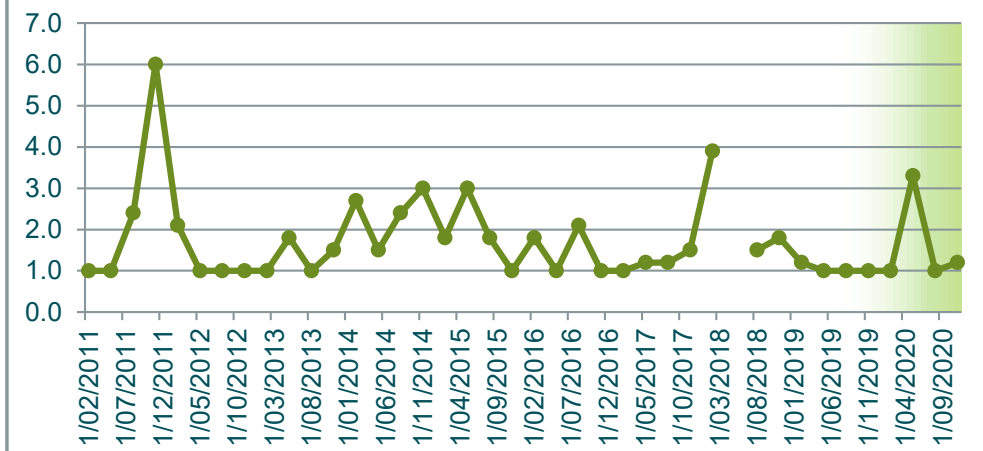
Arsenic (Total)
mg/L



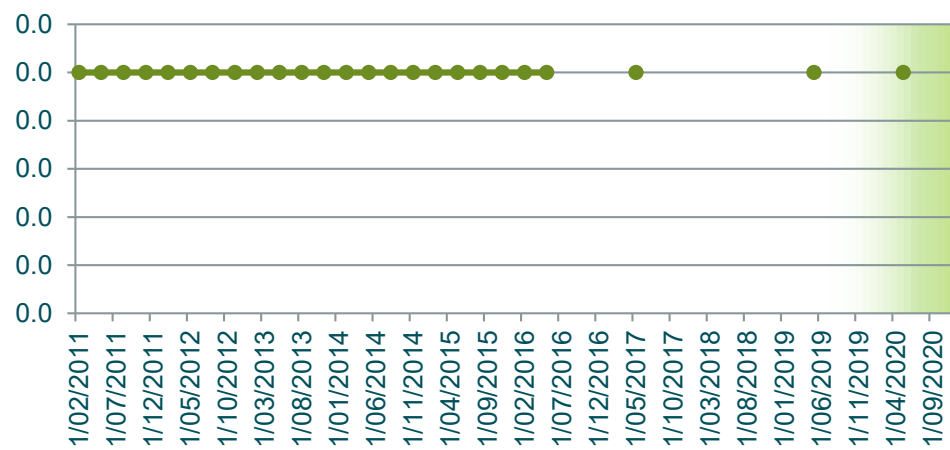
Bicarbonate HCO₃
mg/L



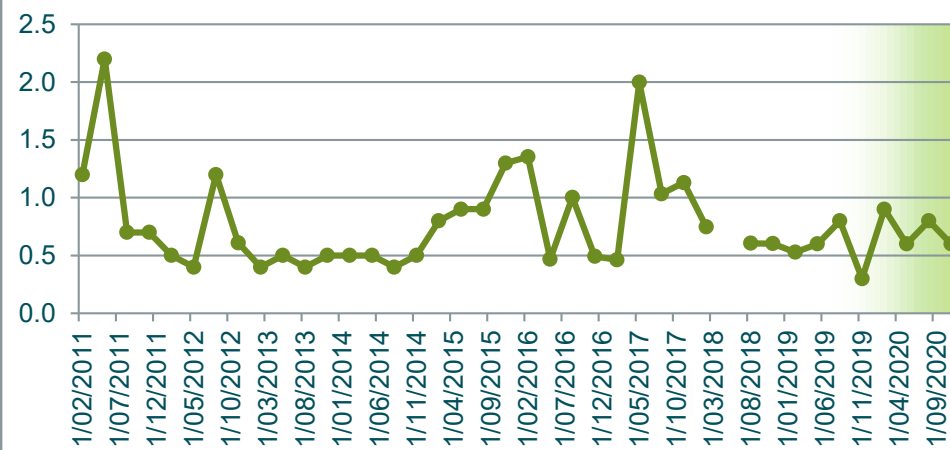
BOD₅
mg/L



Cadmium (Total)
mg/L



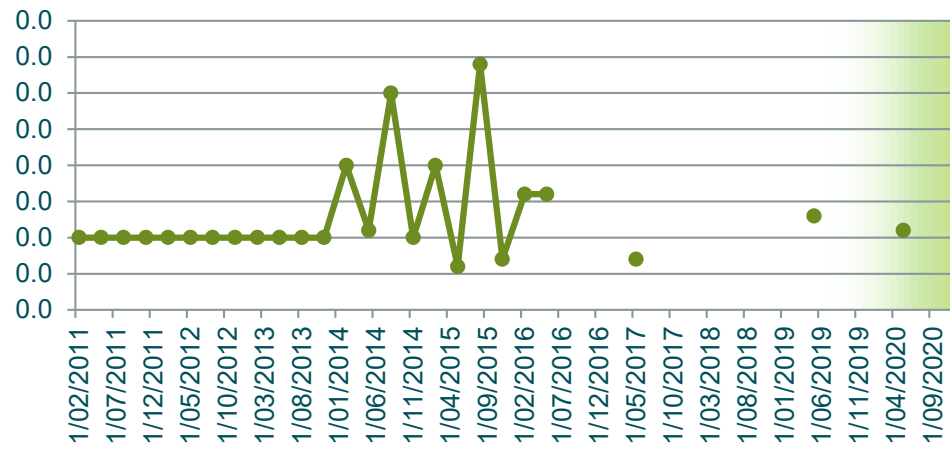
Calcium (Total)
mg/L



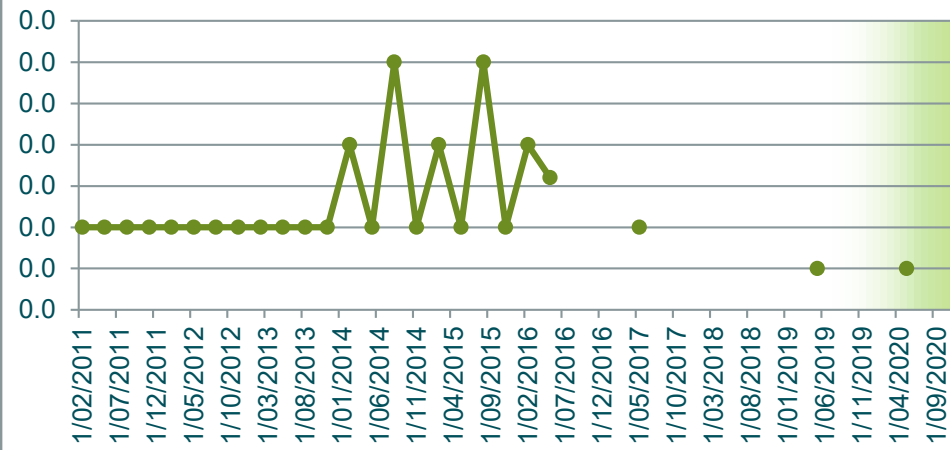
Chloride
mg/L



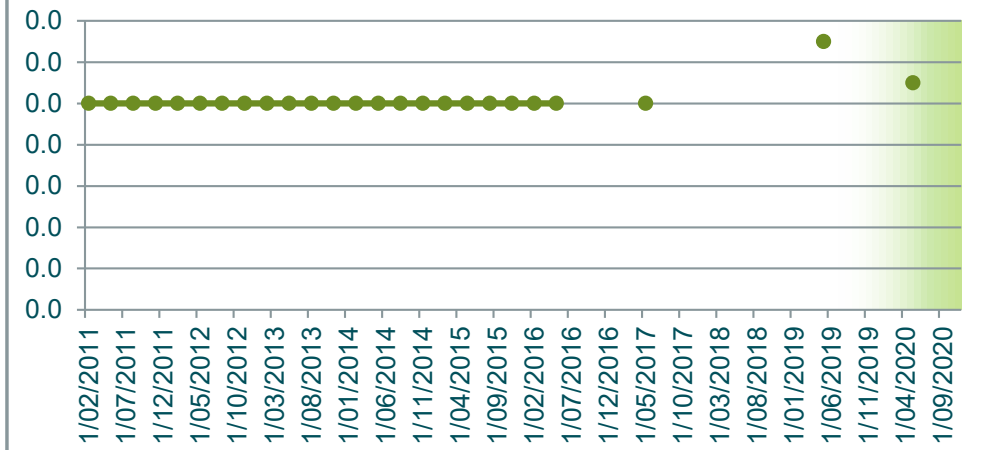
**Chromium (Total)
mg/L**



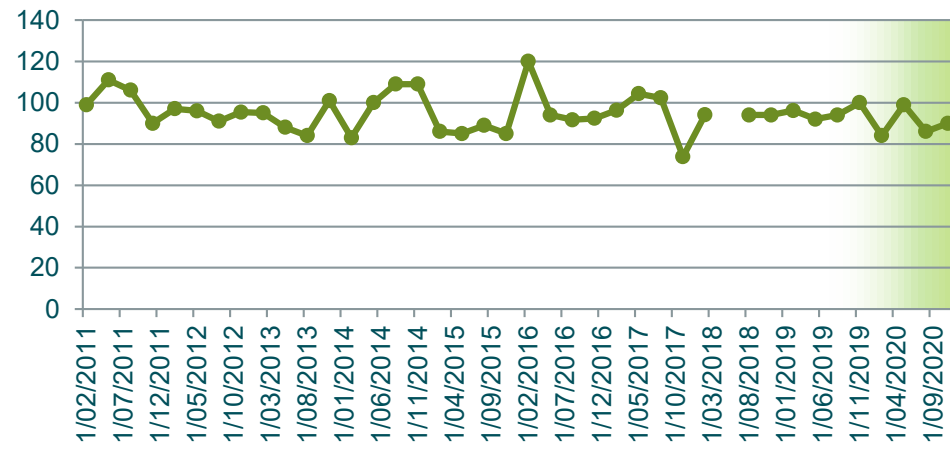
**Chromium 3
mg/L**



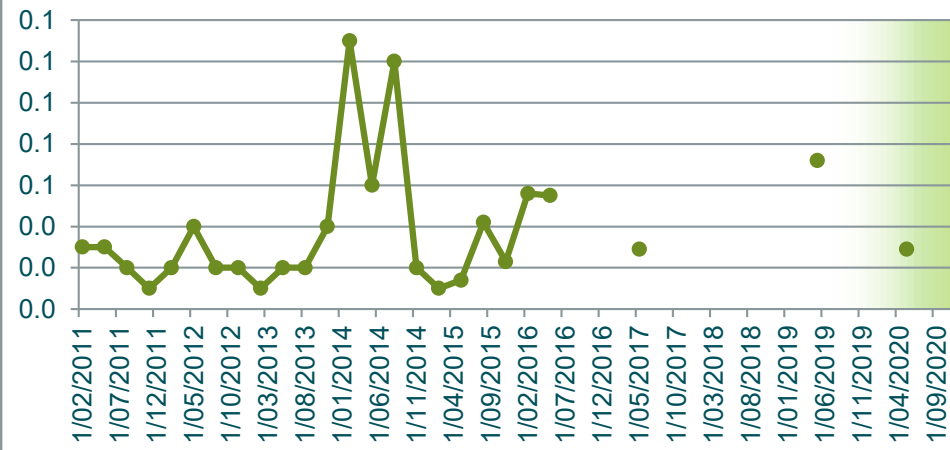
**Chromium 6
mg/L**



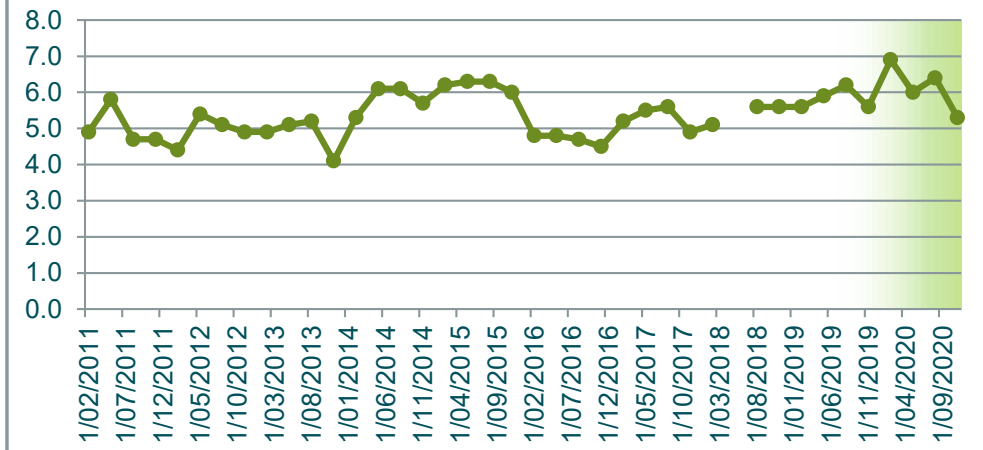
**Conductivity
µScm-1**



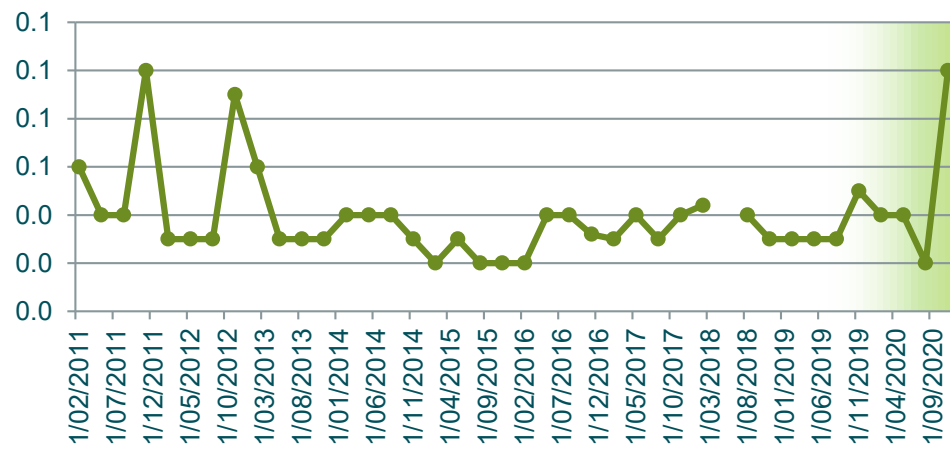
**Copper (Total)
mg/L**



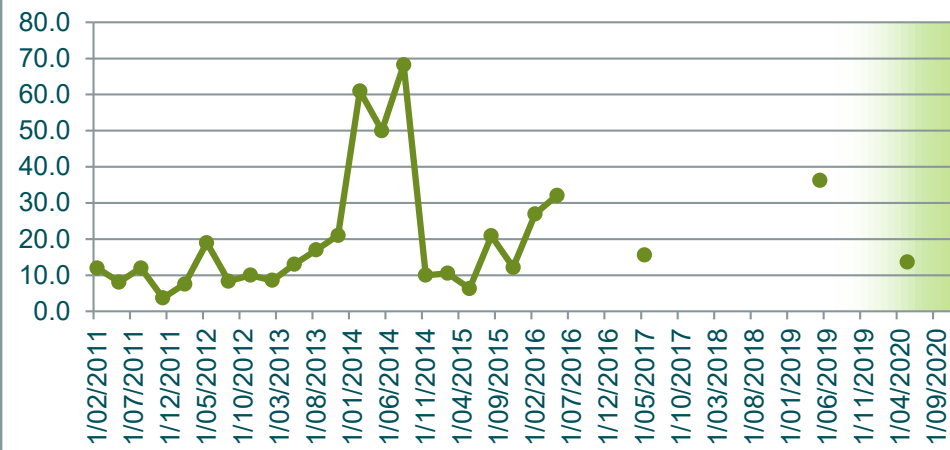
**DO (Membrane Electrode)
mg/L**



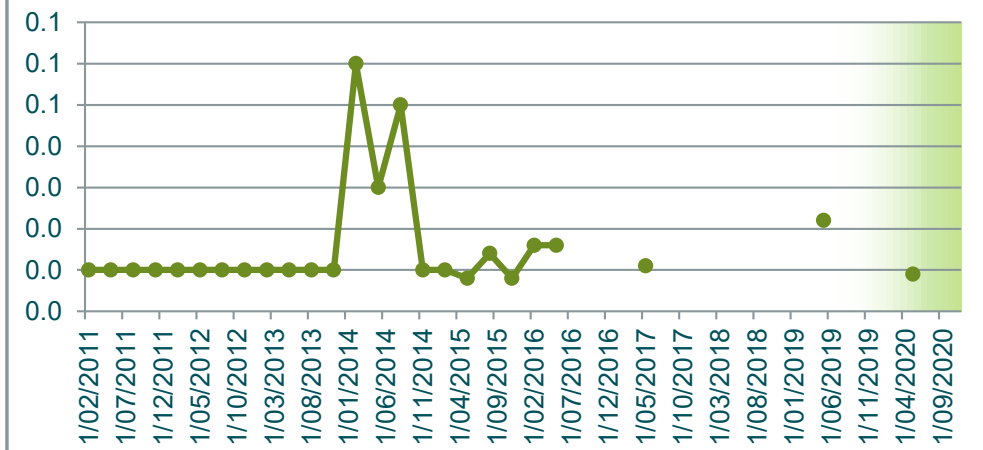
**Flouride
mg/L**



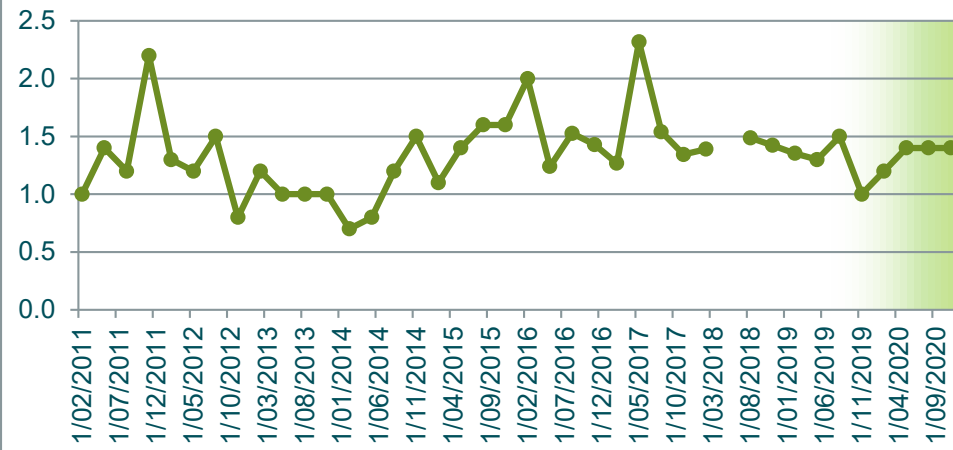
**Iron Total
mg/L**



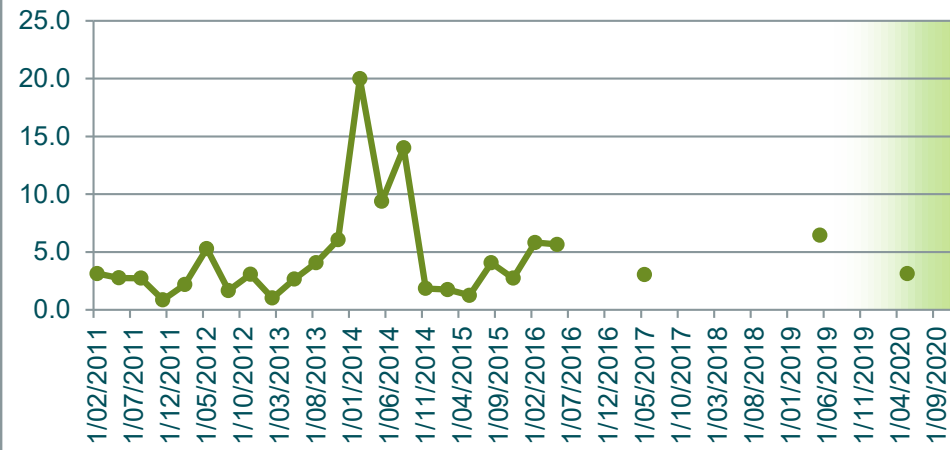
**Lead (Total)
mg/L**



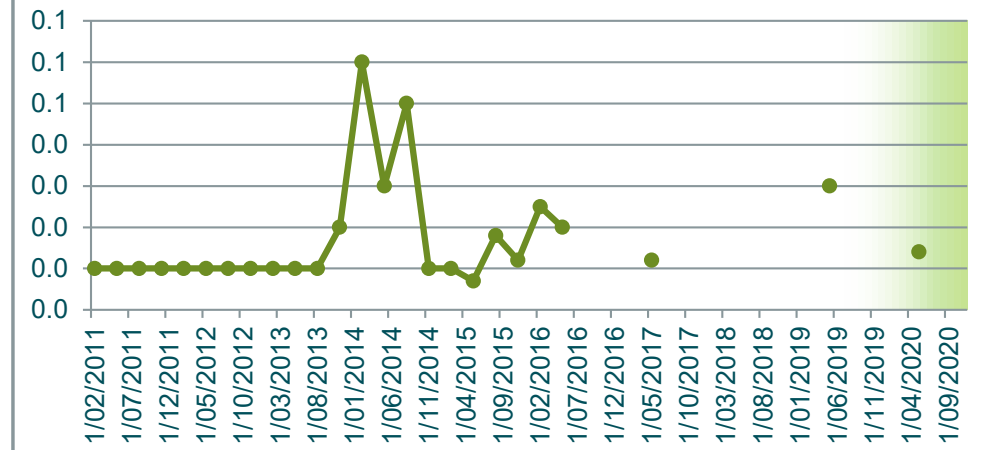
Magnesium (Total) mg/L



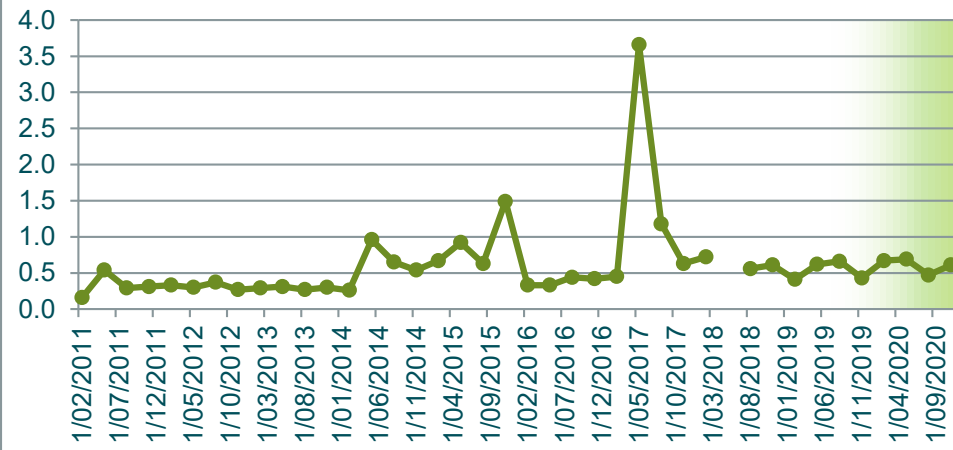
Manganese Total mg/L



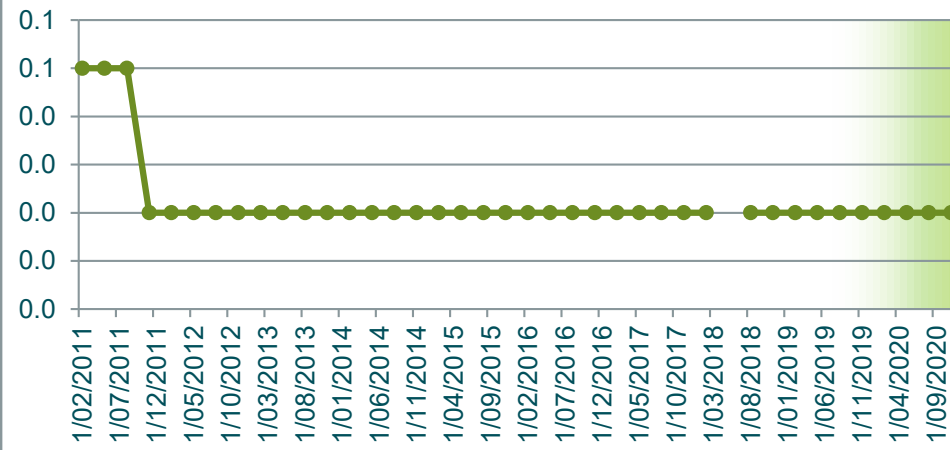
Nickel (Total) mg/L



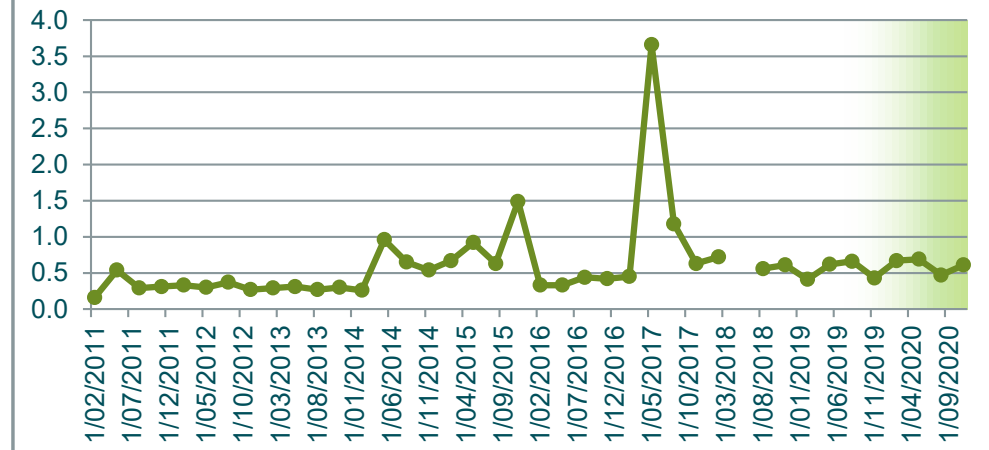
Nitrate N mg/L



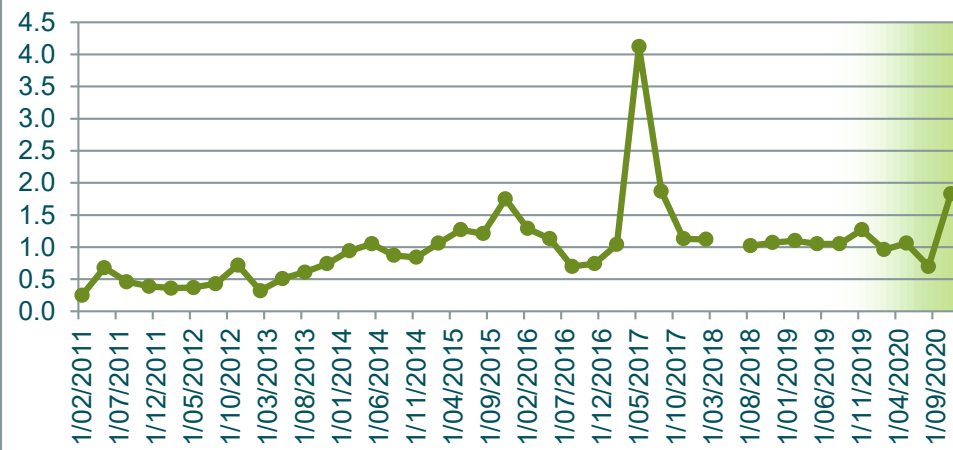
Nitrite N mg/L



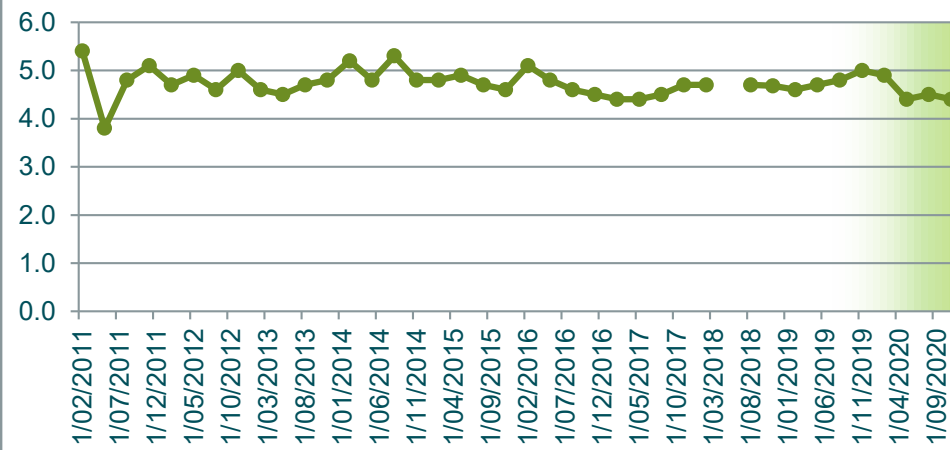
Nitrogen Oxidised mg/L



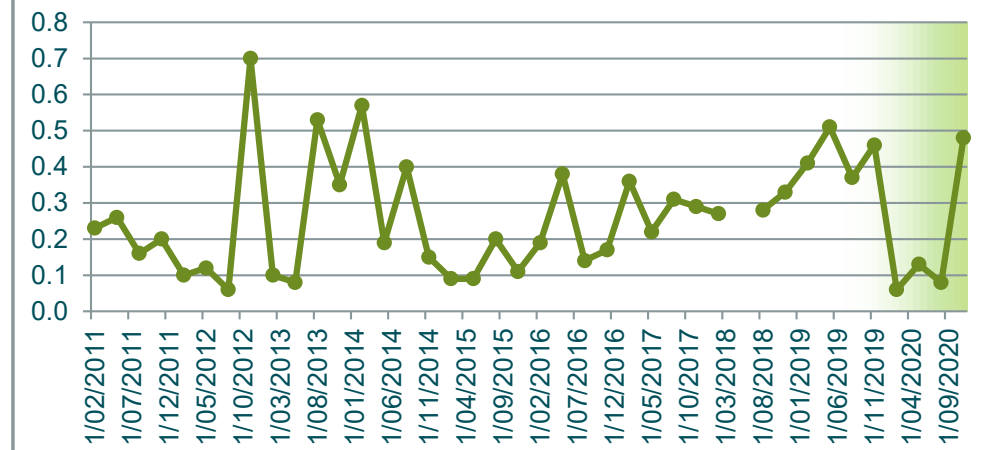
Nitrogen Total mg/L



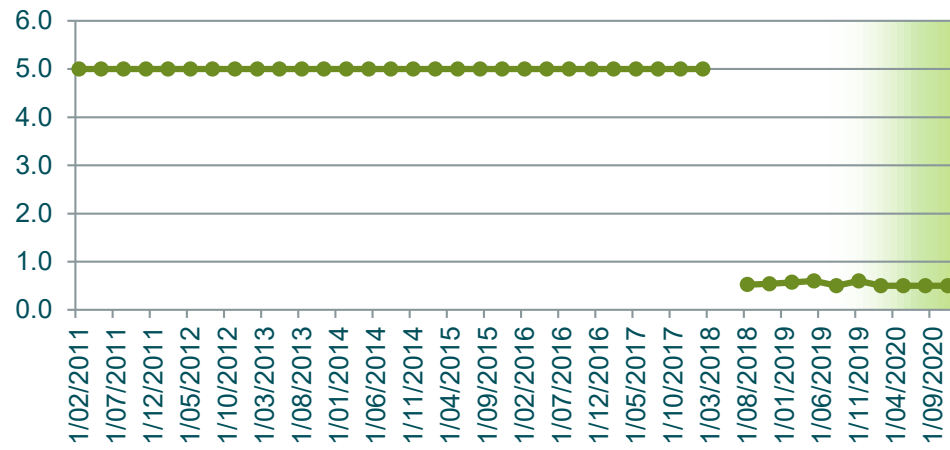
pH pH units



Phosphorus Total mg/L



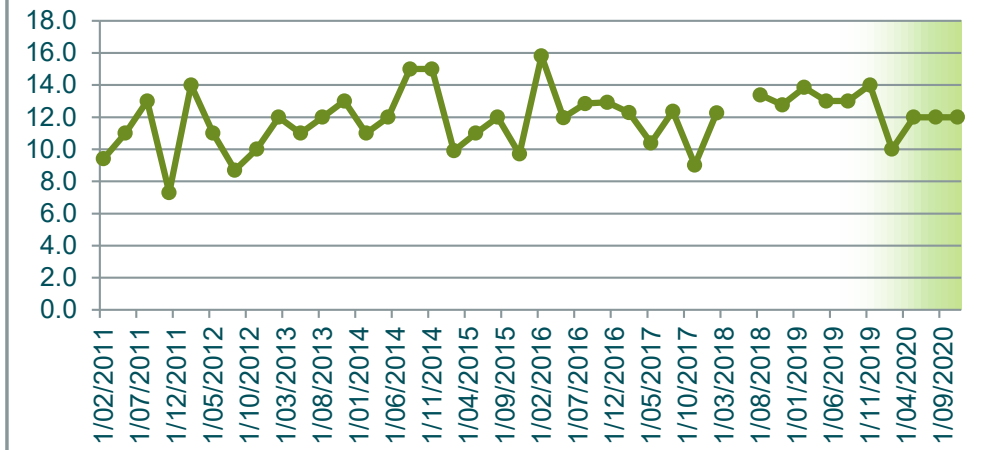
**Potassium Total
mg/L**



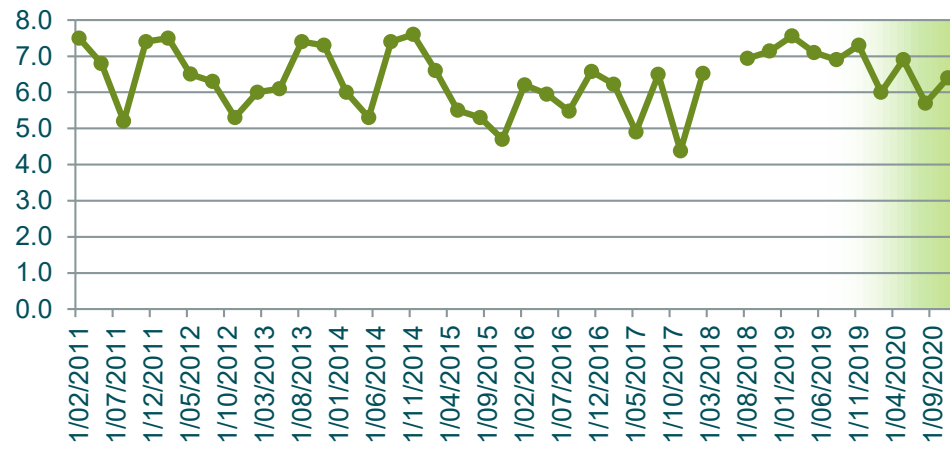
**Redox Potential
mV**



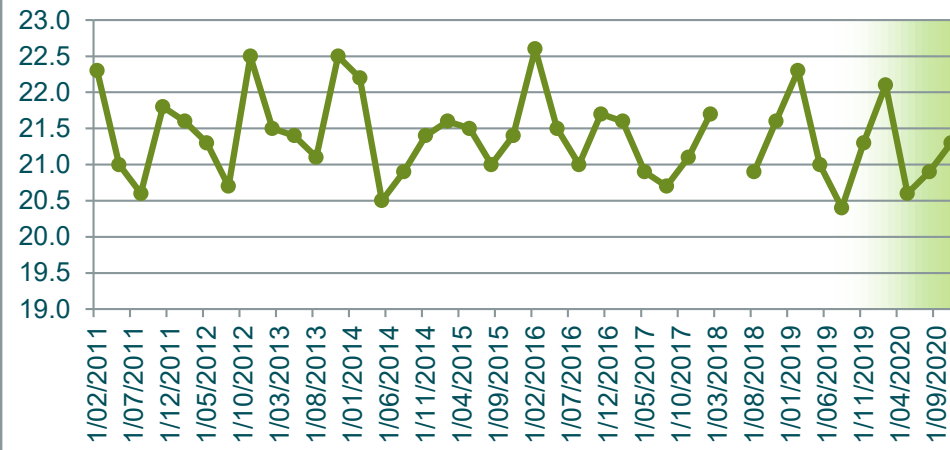
**Sodium (Total)
mg/L**



**Sulphate
mg/L**



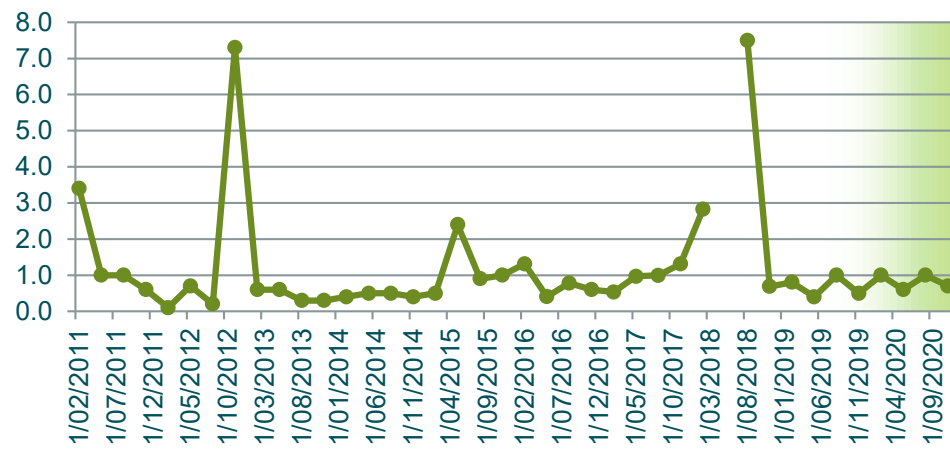
**Temperature
C**



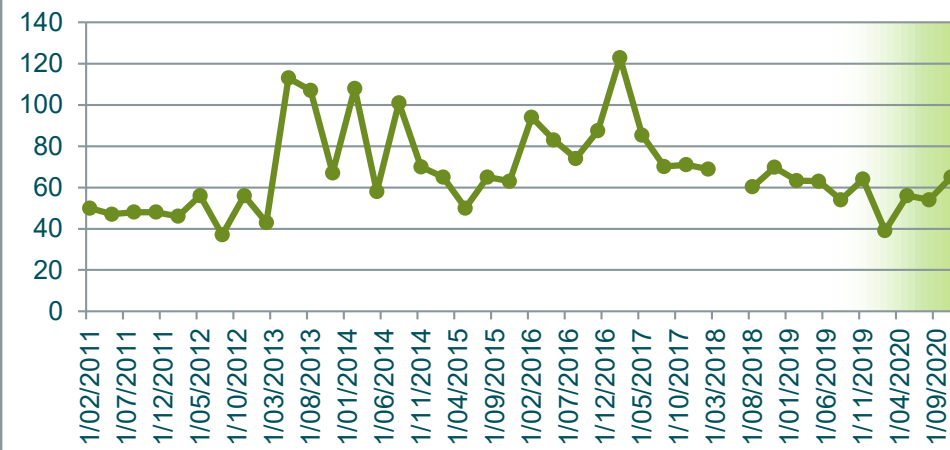
**TKN
mg/L**



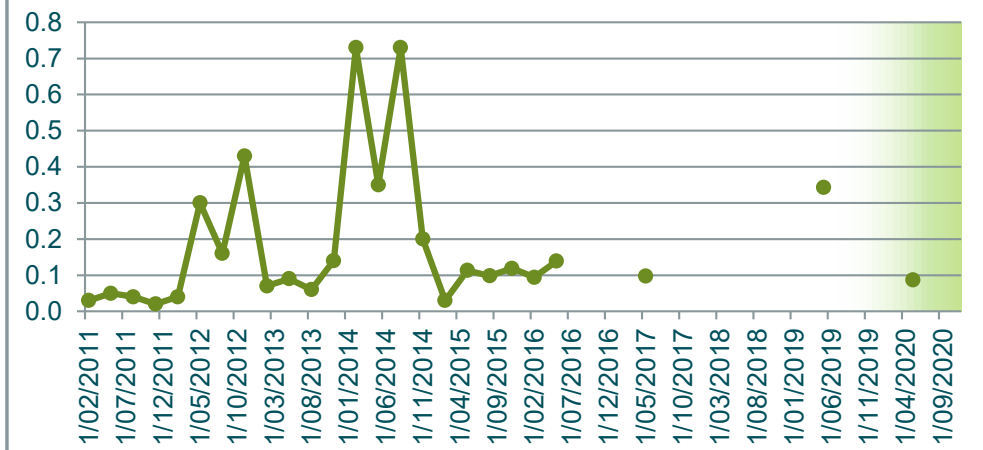
**TOC
mg/L**



**Total Acidity
mg/L CaCO3**

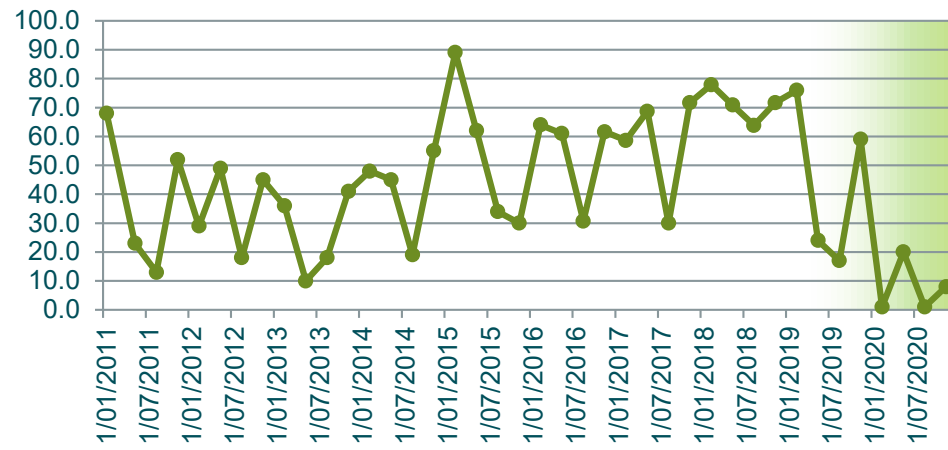


**Zinc (Total)
mg/L**

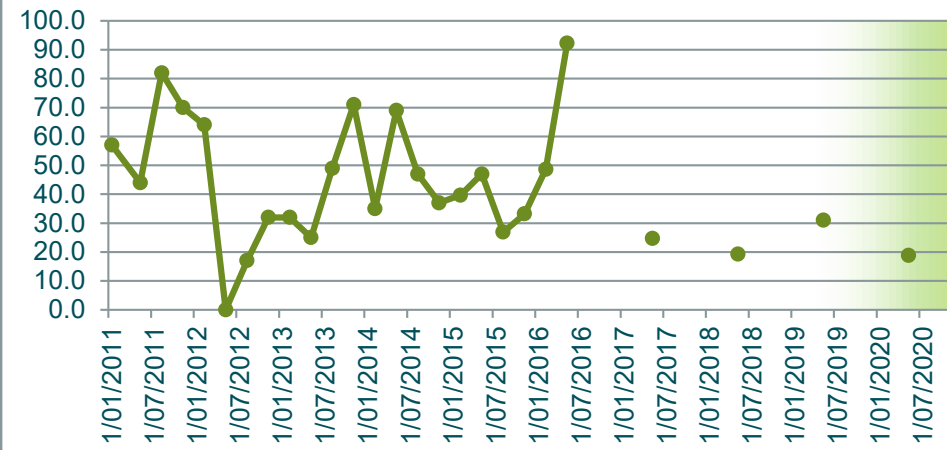


GW6	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µScm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorous Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m
31/01/2011	68.0	57.0	0.4	0.0	41.0	14.0	0.0	19.0	500	0.1	0.1	0.0	546	0.1	1.0	0.1	96	0.0	20.0	1.9	0.1	0.1	0.1	0.1	1.3	6.0	0.3	5.0	-10	29.0	127	23.0	1.3	6.8	120	0.7	
10/05/2011	23.0	44.0	0.2	0.0	14.0	3.5	0.0	17.0	44	0.1	0.1	0.0	399	0.1	1.1	0.1	70	0.0	10.0	1.0	0.0	0.1	0.1	0.1	1.6	5.1	0.4	5.0	203	20.0	84	21.0	1.6	2.8	66	0.6	
9/08/2011	13.0	82.0	0.3	0.1	8.0	10.0	0.0	20.0	88	0.1	0.1	0.0	567	0.1	1.5	0.1	174	0.0	22.0	2.4	0.1	0.1	0.1	0.1	1.6	5.4	0.5	5.0	254	33.0	159	18.3	1.5	4.7	178	0.7	
8/11/2011	52.0	70.0	0.3	0.0	32.0	7.8	0.0	20.0	140	0.1	0.1	0.0	530	0.1	1.3	0.2	157	0.0	27.0	1.8	0.1	0.1	0.0	0.1	1.1	6.0	0.5	17.0	36	26.0	103	20.5	1.0	2.3	110	0.5	
6/02/2012	29.0	64.0	0.8	0.0	18.0	35.0	0.0	30.0	86	0.1	0.1	0.0	532	0.1	1.1	0.1	94	0.1	18.0	1.6	0.1	0.1	0.0	0.1	2.2	5.4	0.3	5.0	161	38.0	126	23.2	2.2	6.8	120	1.3	
8/05/2012	49.0	0.0	0.8	0.0	30.0	14.0	0.0	20.0	70	0.0	0.0	0.0	559	0.0	3.0	0.2	0	0.0	25.0	2.5	0.0	0.2	0.0	0.2	1.6	5.9	0.4	8.0	74	39.0	110	21.5	1.3	3.6	80	0.0	
6/08/2012	18.0	17.0	0.5	0.0	11.0	6.9	0.0	17.0	84	0.0	0.0	0.0	578	0.0	2.0	0.1	52	0.0	19.0	1.1	0.0	0.1	0.0	0.1	1.4	5.2	0.4	5.0	102	29.0	85	18.3	1.4	3.8	35	0.3	
13/11/2012	45.0	32.0	0.5	0.0	27.0	8.4	0.0	20.0	290	0.0	0.0	0.0	630	0.0	1.3	0.7	92	0.0	22.0	1.4	0.0	0.1	0.0	0.1	1.4	6.0	0.5	5.0	39	44.0	88	20.9	1.4	3.7	130	0.6	
13/02/2013	36.0	32.0	0.5	0.0	22.0	5.7	0.0	18.0	92	0.0	0.0	0.0	586	0.0	1.5	0.2	67	0.0	20.0	1.2	0.0	0.1	0.0	0.1	1.4	5.8	0.1	5.0	-21	45.0	77	23.4	1.4	2.5	94	0.4	
14/05/2013	10.0	25.0	0.3	0.0	6.0	3.9	0.0	21.0	91	0.0	0.0	0.0	521	0.0	2.4	0.1	34	0.0	17.0	0.9	0.0	0.1	0.0	0.1	1.4	5.7	0.4	5.0	45	44.0	72	20.6	1.3	2.6	215	0.3	
6/08/2013	18.0	49.0	0.1	0.0	11.0	3.0	0.0	18.0	91	0.0	0.0	0.0	573	0.0	2.0	0.1	235	0.0	20.0	1.4	0.0	0.1	0.0	0.1	1.1	5.6	0.4	5.0	106	45.0	84	19.1	1.0	2.2	143	0.4	
12/11/2013	41.0	71.0	0.3	0.0	25.0	4.5	0.0	17.0	102	0.1	0.1	0.0	565	0.0	4.6	0.2	84	0.0	21.0	1.4	0.0	0.2	0.0	0.2	1.3	5.8	0.8	5.0	-2	49.0	64	20.7	1.1	1.5	59	0.3	
11/02/2014	48.0	35.0	0.3	0.0	29.0	2.7	0.0	16.0	101	0.0	0.0	0.0	548	0.0	2.6	0.2	49	0.0	21.0	1.1	0.0	0.1	0.0	0.1	1.0	6.1	0.2	5.0	-10	46.0	52	21.7	0.9	1.6	213	0.2	
13/05/2014	45.0	69.0	0.3	0.0	27.0	2.7	0.0	15.0	107	0.0	0.0	0.0	567	0.0	3.0	0.2	84	0.0	19.0	1.0	0.0	0.1	0.0	0.1	0.9	6.0	0.3	5.0	35	49.0	44	21.5	0.8	1.5	74	0.2	
12/08/2014	19.0	47.0	0.1	0.0	12.0	1.2	0.0	16.0	106	0.0	0.0	0.0	522	0.0	3.2	0.1	129	0.0	20.0	1.3	0.0	0.1	0.0	0.1	1.2	5.9	0.5	5.0	77	48.0	58	18.5	1.1	0.8	150	0.3	
10/11/2014	55.0	37.0	0.3	0.0	34.0	6.3	0.0	15.0	115	0.0	0.0	0.0	544	0.0	3.2	0.2	59	0.0	20.0	1.0	0.0	0.2	0.0	0.2	1.4	6.2	0.4	5.0	10	49.0	41	20.7	1.2	1.5	190	0.2	
9/02/2015	89.0	39.7	3.1	0.0	54.0	15.0	0.0	19.0	120	0.0	0.0	0.0	643	0.0	2.0	0.2	64	0.0	22.0	1.2	0.0	0.0	0.0	0.1	6.6	6.3	0.7	7.0	-25	55.0	38	24.3	6.5	6.8	134	1.3	
11/05/2015	62.0	47.0	0.5	0.0	38.0	17.0	0.0	18.0	105	0.0	0.0	0.0	532	0.0	2.3	0.2	59	0.0	20.0	1.1	0.0	0.0	0.0	0.0	1.9	6.2	0.7	6.0	11	53.0	35	21.1	1.9	1.9	97	2.9	
11/08/2015	34.0	26.9	0.3	0.0	34.0	5.4	0.0	17.0	100	0.0	0.0	0.0	533	0.0	2.7	0.1	68	0.0	20.0	1.0	0.0	0.0	0.0	0.0	1.4	6.0	0.7	5.5	87	48.0	46	18.6	1.4	1.5	114	1.0	
10/11/2015	30.0	33.2	0.2	0.0	30.0	6.0	0.0	31.0	34	0.0	0.0	0.0	753	0.0	1.9	0.2	94	0.0	24.0	1.4	0.0	0.0	0.0	0.0	1.3	5.7	0.6	5.0	2	61.0	93	20.5	1.2	2.2	106	1.0	
8/02/2016	64.0	48.7	0.2	0.0	64.0	6.0	0.0	17.0	111	0.1	0.1	0.0	564	0.0	2.6	0.1	75	0.0	20.3	1.2	0.1	0.0	0.0	0.0	1.4	6.0	0.7	5.8	37	49.3	40	22.8	1.4	1.8	154	1.3	
9/05/2016	61.0	92.2	0.3	0.0	61.0	9.6	0.0	16.3	112	0.1	0.1	0.0	571	0.1	2.4	0.2	104	0.0	19.7	1.6	0.1	0.1	0.0	0.1	1.6	6.1	0.8	7.2	31	49.2	33	22.0	1.6	4.0	120	3.3	
9/08/2016	30.7		0.1		31.0	3.3		19.7	120				609		2.6	0.2			21.3			0.0	0.0	0.0	0.7	5.5	0.5	5.3	118	56.1	60	18.7	0.6	1.1	152		
7/11/2016	61.6		0.2		62.0	3.0		14.6	125				550		2.6	0.2			18.9			0.0	0.0	0.0	1.0	6.0	0.9	5.4	155	49.3	29	20.6	1.0	0.9	133		
7/02/2017	58.6		0.3		59.0	3.6		13.9	85				557		3.0	0.2			18.0			0.0	0.0	0.0	1.1	6.0	0.3	5.4	101	46.7	21	23.4	1.1	1.7	128		
8/05/2017	68.7	24.7	1.4	0.0	69.0	16.5	0.0	21.3	141	0.0	0.0	0.0	694	0.0	1.9	0.2	39	0.0	23.1	1.1	0.0	0.1	0.0	0.1	2.5	5.9	0.4	5.9	71	59.5	53	21.4	2.4	3.2	118	2.2	
8/08/2017	30.0		0.3		30.0	4.5		15.9	100				587		2.6	0.2			18.9			0.0	0.0	0.0	1.3	5.8	0.4	5.0	217	51.1	45	18.5	1.3	1.6	86		1.6
7/11/2017	71.7		0.3		72.0	3.6		18.1	115				610		2.5	0.2			21.8			0.0	0.0	0.0	1.5	6.0	0.6	6.2	66	55.4	38	20.3	1.4	1.5	113		1.5
13/02/2018	77.9		1.0		78.0	11.1		15.3	115				590		2.3	0.2			19.6			0.0	0.0	0.0	2.2	6.1	0.4	5.5	-59	49.7	26	23.7	2.2	4.1	110		1.4
8/05/2018	70.8	19.3	0.6	0.0	71.0	11.1	0.0	15.9	122	0.0	0.0	0.0	573	0.0	2.3	0.2	30	0.0	19.3	0.9	0.0	0.2	0.0	0.2	2.0	6.0	0.7	5.7	38	48.1	34	21.7	1.8	3.2	92	0.7	1.4
14/08/2018	63.8		0.7		64.0	19.5		15.8	115				557		2.4	0.2			19.2			0.1	0.0	0.1	2.9	6.0	0.7	5.6	100	53.0	27	18.5	2.8	26.0	100		1.7
13/11/2018	71.7		0.6		72.0	13.2		15.2	117				554		2.3	0.2			19.1			0.0	0.0	0.1	2.1	6.2	0.7	5.4	3	49.2	24	20.2	2.1	3.3	91		1.6
12/02/2019	76.0		0.5		76.0	8.7		14.8	118				569		2.3	0.2			19.3			0.0	0.0	0.0	1.7	6.2	0.3	5.8	16	51.8	18	22.8	1.7	4.2	84		2.2
14/05/2019	24.0	31.0	0.8	0.0	24.0	8.1	0.0	36.0	180	0.0	0.0	0.0	930	0.0	2.2	0.2	40	0.0	32.0	1.7	0.1	0.1	0.0	0.1	1.9	5.5	0.5	5.9	90	96.0	166	21.3	1.9	6.2	54	1.9	1.5
13/08/2019	17.0		0.5		17.0	8.4		27.0	130				734		2.8	0.2			26.0			0.0	0.0	0.0	1.9	5.0	0.6	5.4	386	72.0	139	18.1	1.9	7.2	58		1.5
12/11/2019	59.0		1.0		59.0	35.0		22.0	130				738		2.2	0.2			26.0			0.0	0.0	0.0	2.3	5.9	0.5	5.6	9	59.0	105	19.8	2.3	6.8	110		2.0
25/02/2020	1.0		0.4			9.9		30.0	93.0				690.0		3.2	0.2			18.0			1.7	0.0	1.7	3.6	4.4	0.4	3.7	282.6	63.0	164.0	23.7	1.9	5.5	86.0		1.2
12/05/2020	20.0	18.8	0.2	0.0	20.0	3.9	0.0	19.0	140.0	0.0	0.0	0.0	612.0	0.0	3.1	0.2	41.6	0.0	20.0	1.1	0.0	0.1	0.0	0.1	1.3	5.6	0.2	4.8	112.2	51.0	85.0	20.7	1.2	2.6	71.0	0.4	1.8
11/08/2020	1.0		0.0			1.5		26.0	92.0				657.0		3.5	0.2			22.0			3.0	0.0	3.0	3.9	4.4	0.3	3.8	323.9	60.0	141.0	18.1	0.9	3.0	64.0		1.4
10/11/2020	8.0		0.3		8.0																																

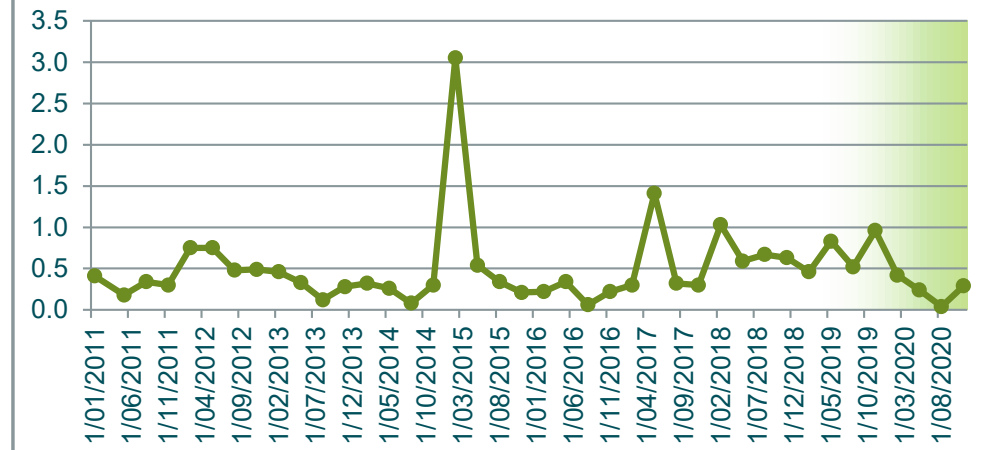
**Alkalinity
mg/L as CaCO3**



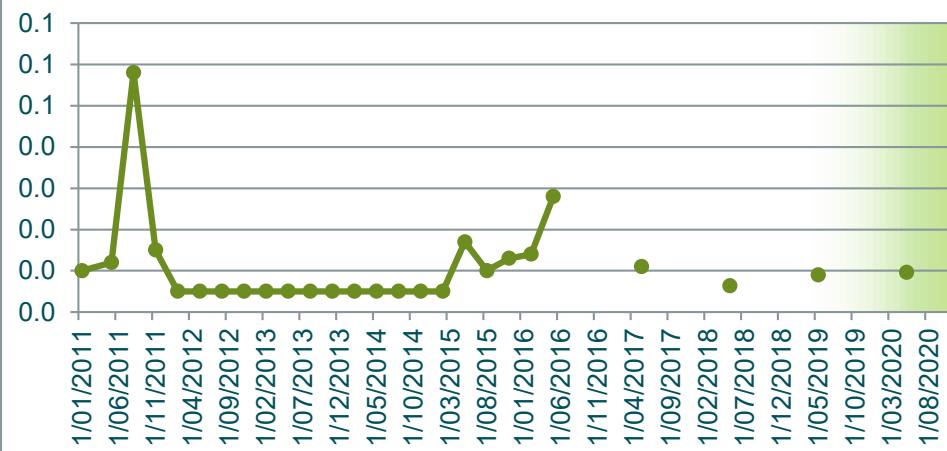
**Aluminium (Total)
mg/L**



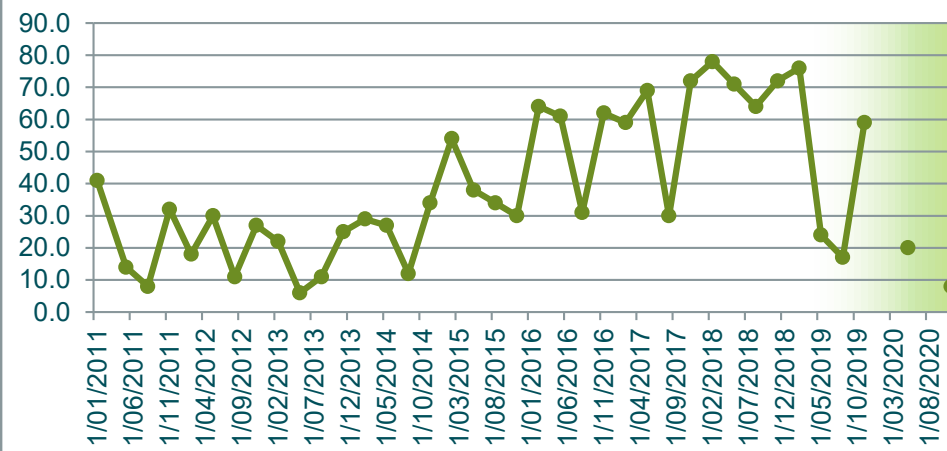
**Ammonia
mg/L**



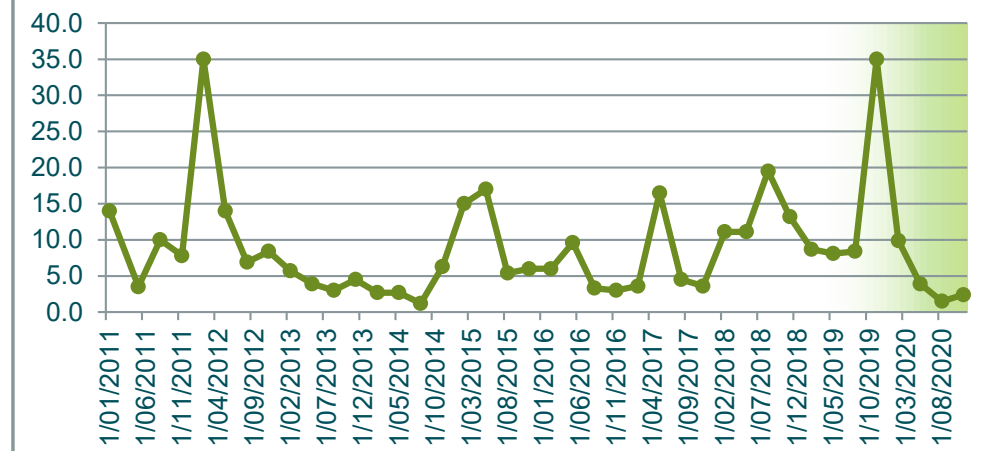
**Arsenic (Total)
mg/L**



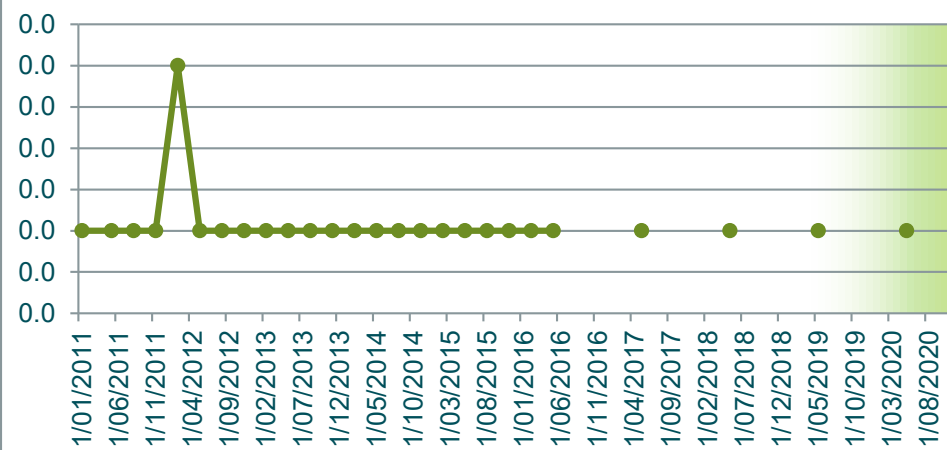
**Bicarbonate HCO3
mg/L**



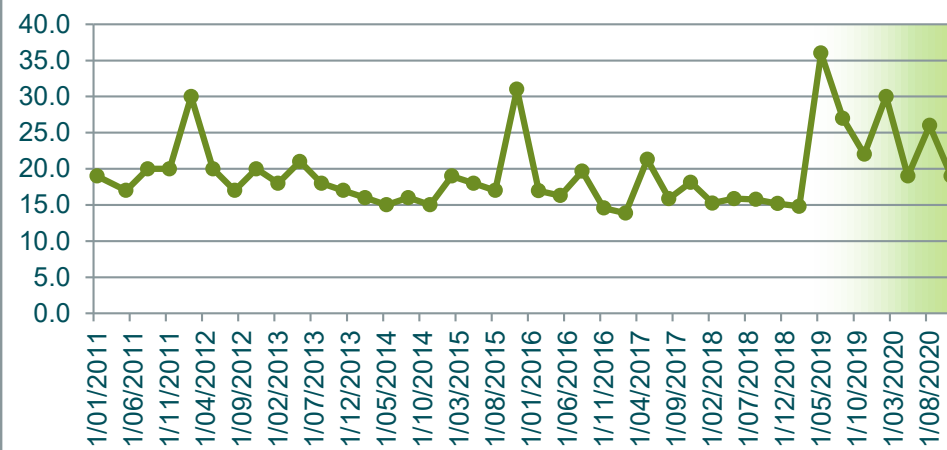
**BOD5
mg/L**



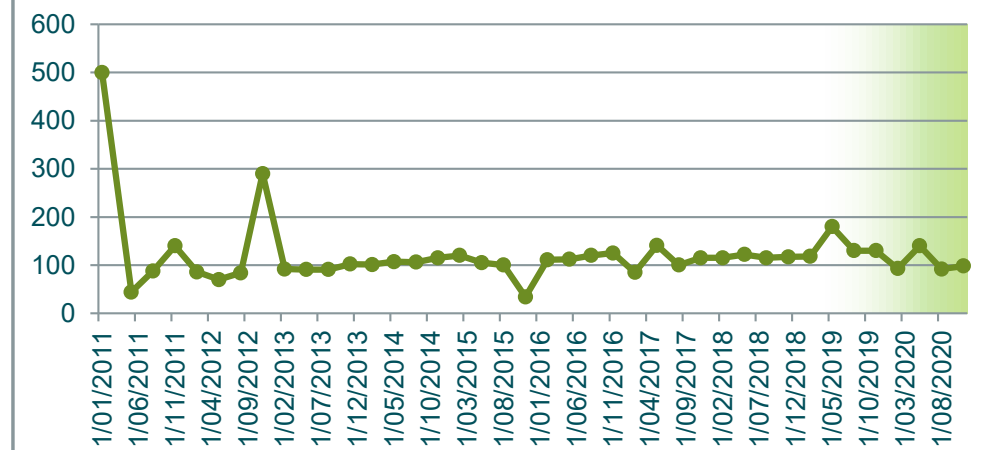
**Cadmium (Total)
mg/L**



**Calcium (Total)
mg/L**



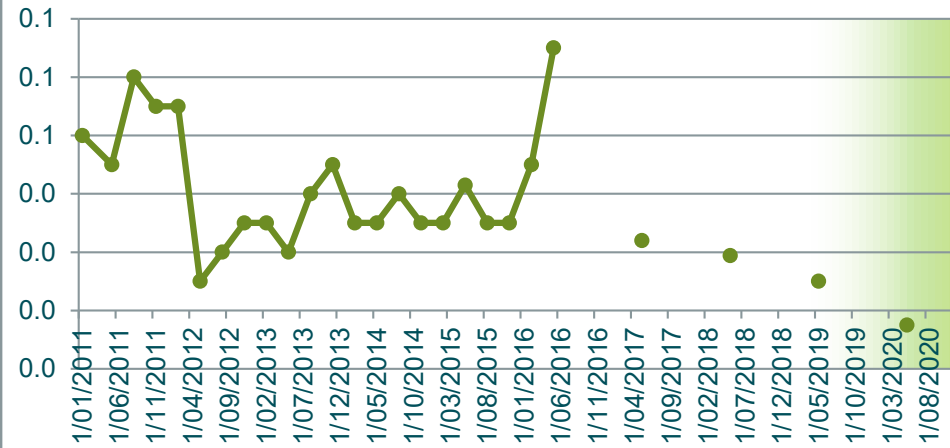
**Chloride
mg/L**



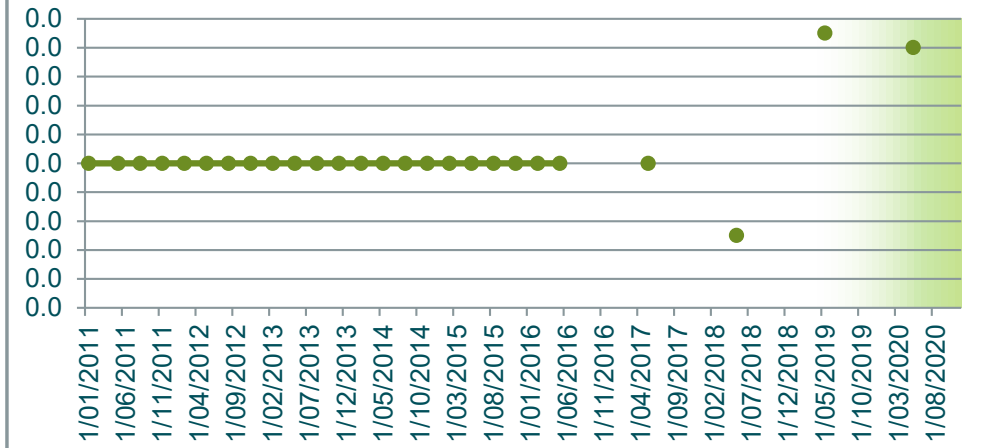
Chromium (Total) mg/L



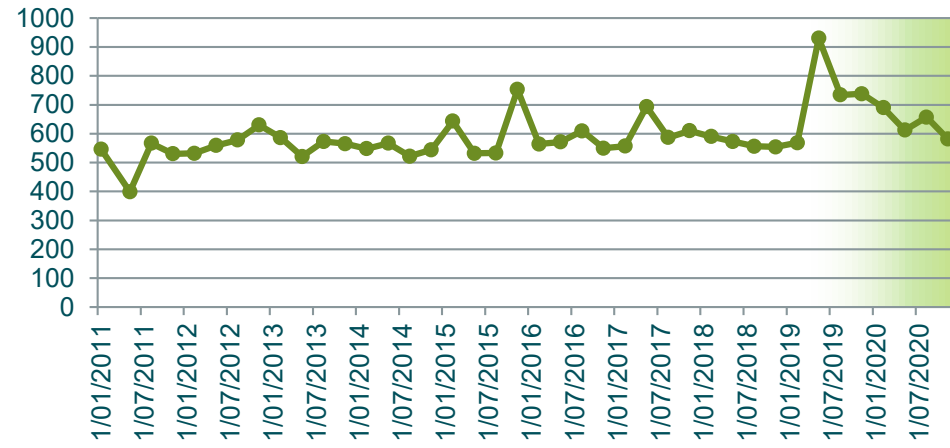
Chromium 3 mg/L



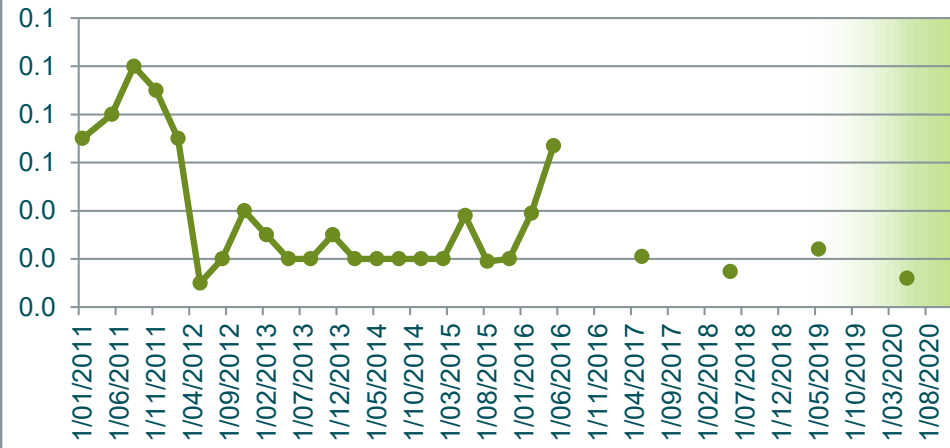
Chromium 6 mg/L



Conductivity µScm-1



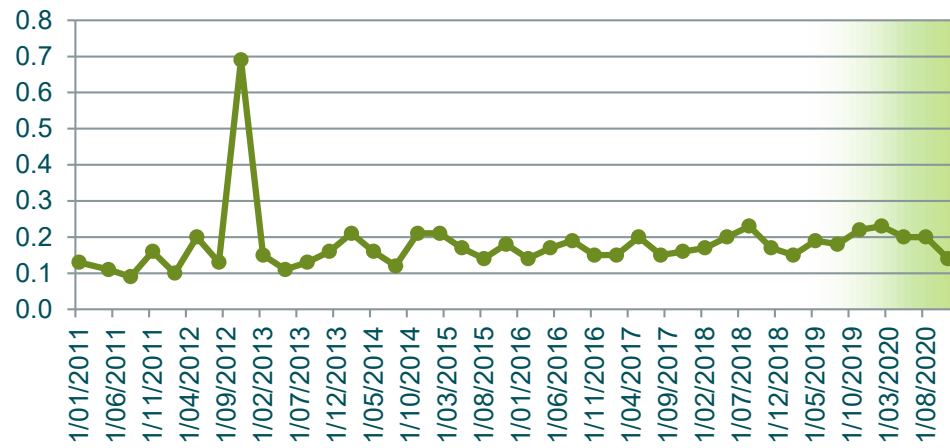
Copper (Total) mg/L



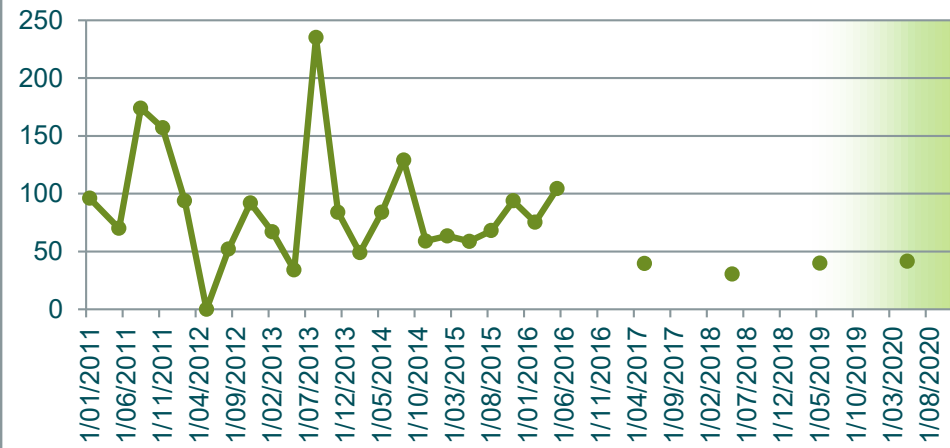
DO (Membrane Electrode) mg/L



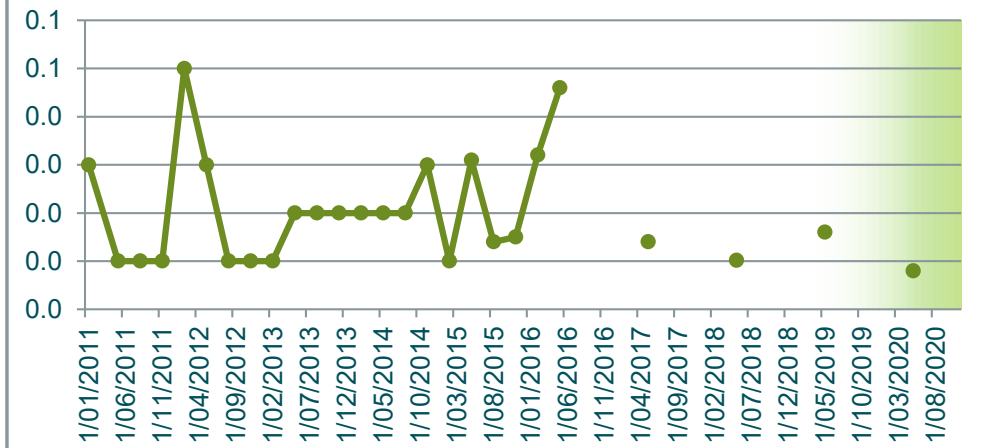
Flouride mg/L



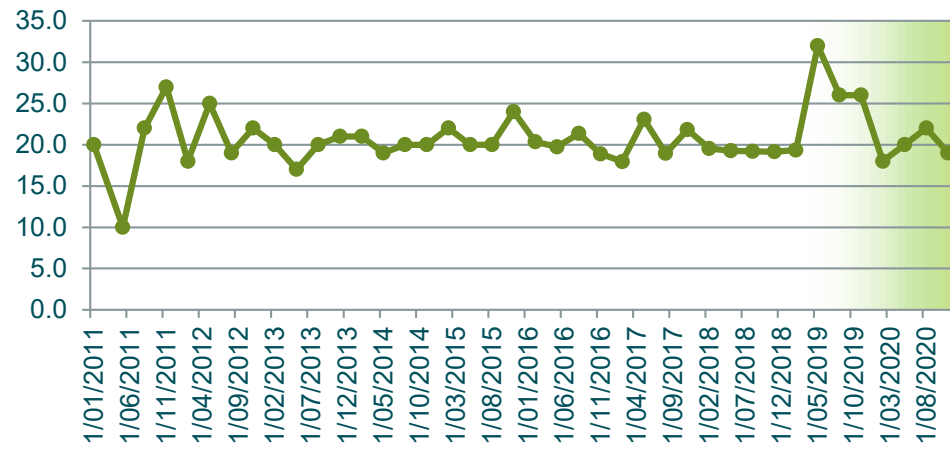
Iron Total mg/L



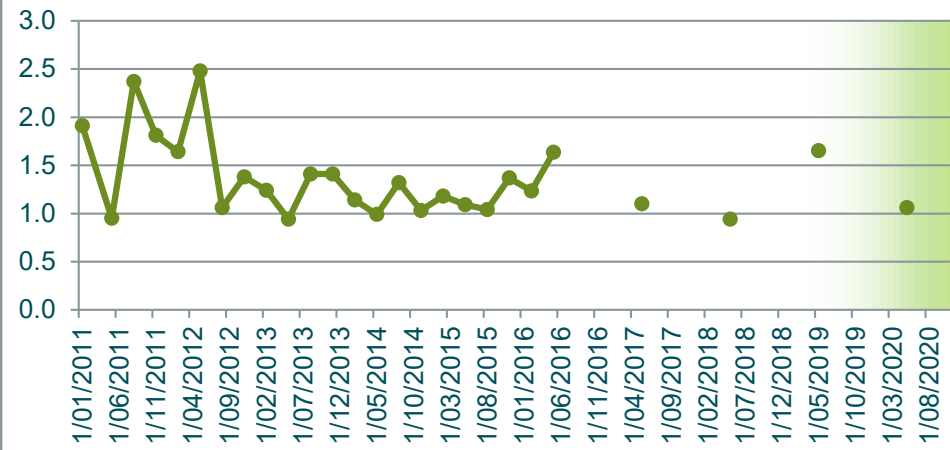
Lead (Total) mg/L



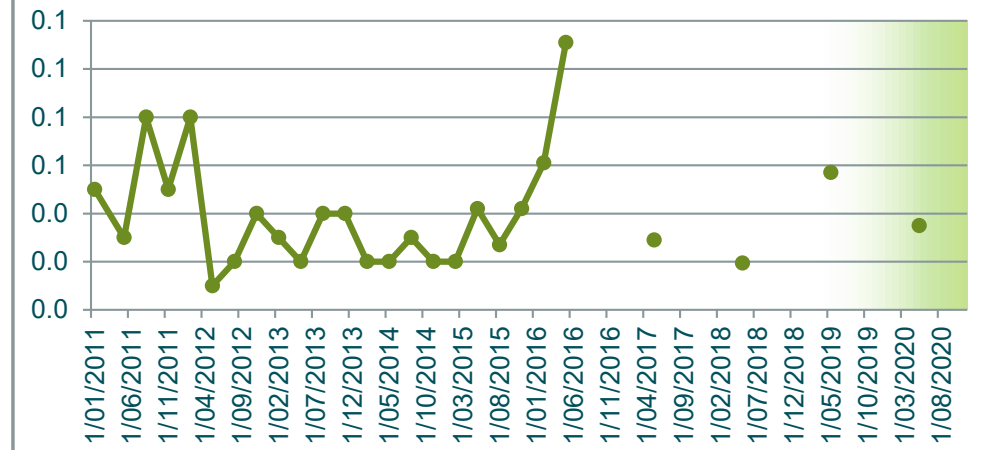
Magnesium (Total) mg/L



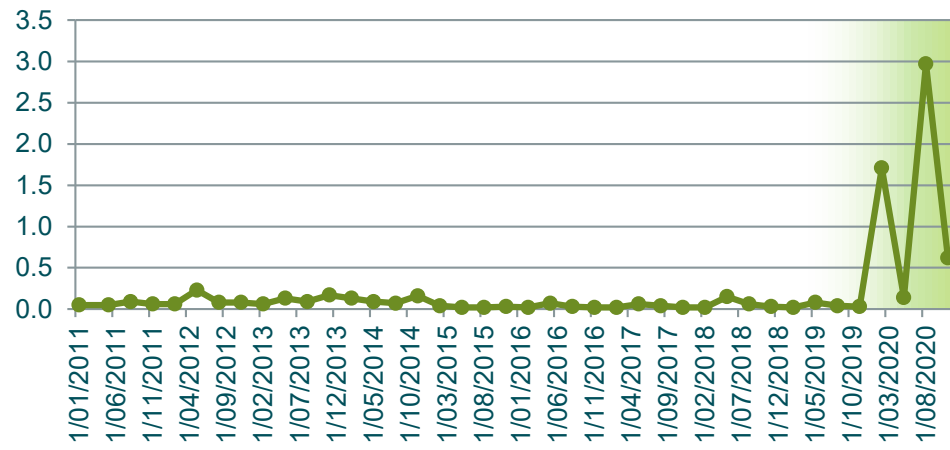
Manganese Total mg/L



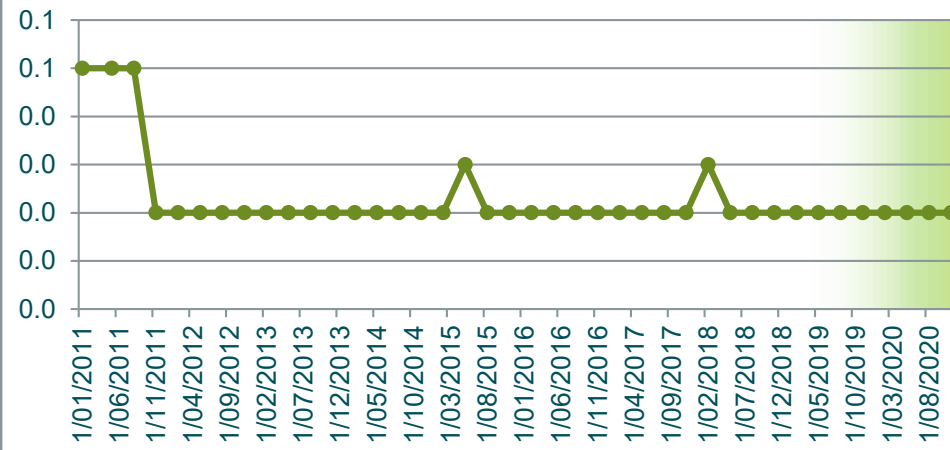
Nickel (Total) mg/L



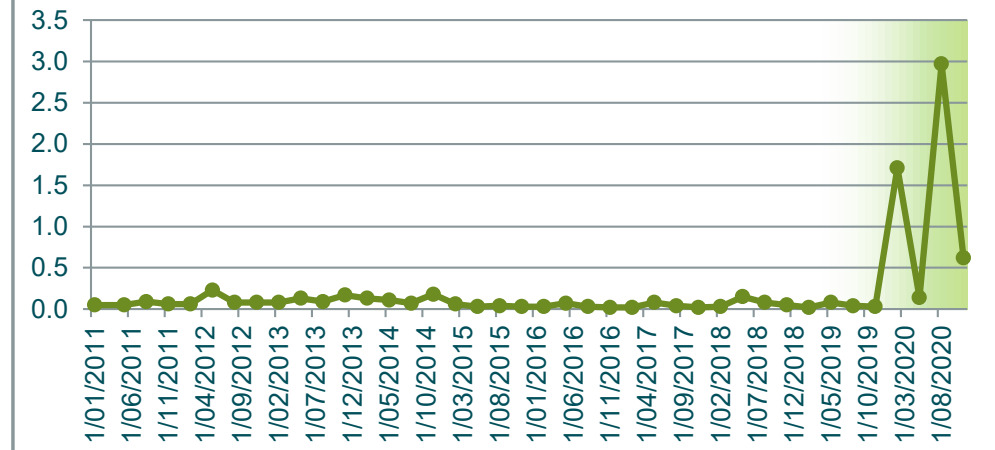
Nitrate N mg/L



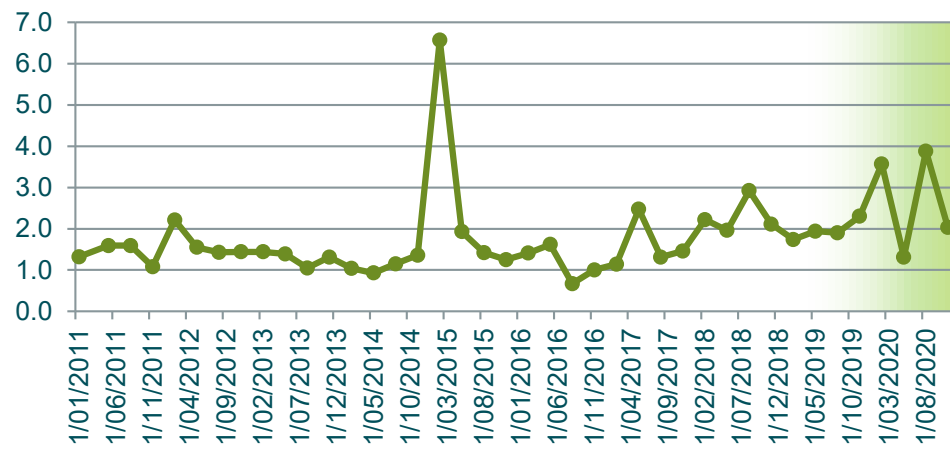
Nitrite N mg/L



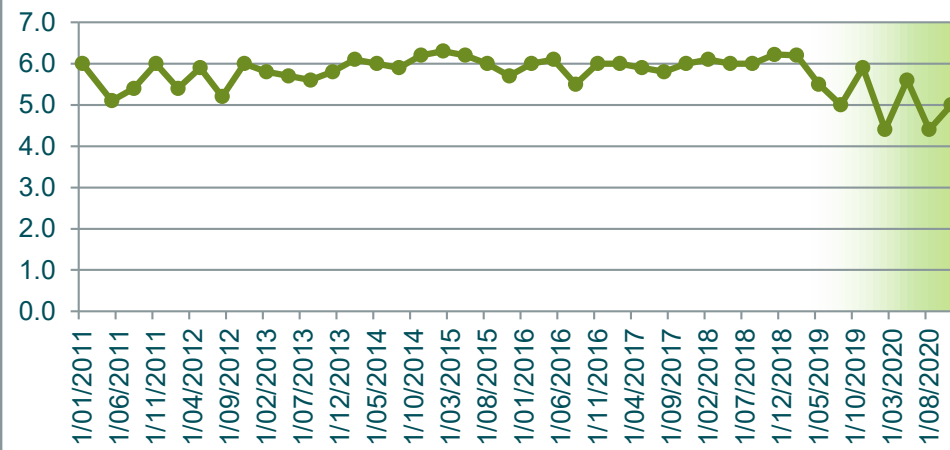
Nitrogen Oxidised mg/L



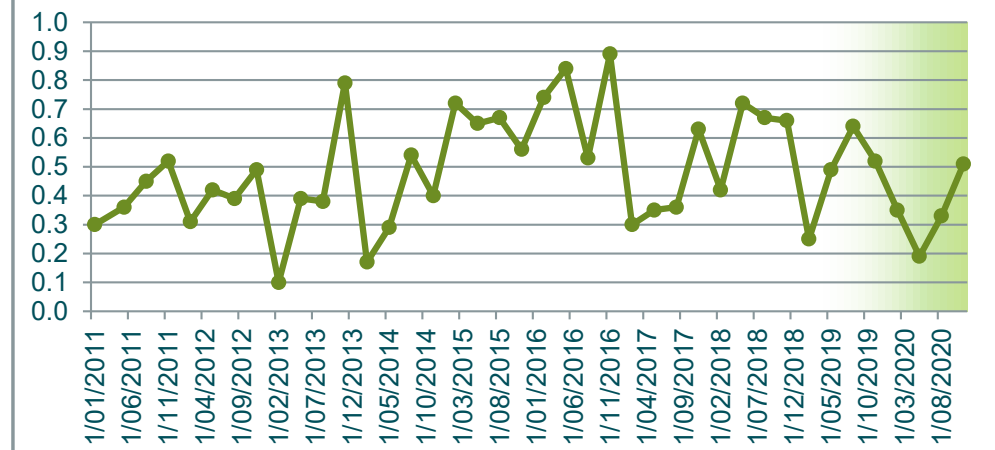
Nitrogen Total mg/L



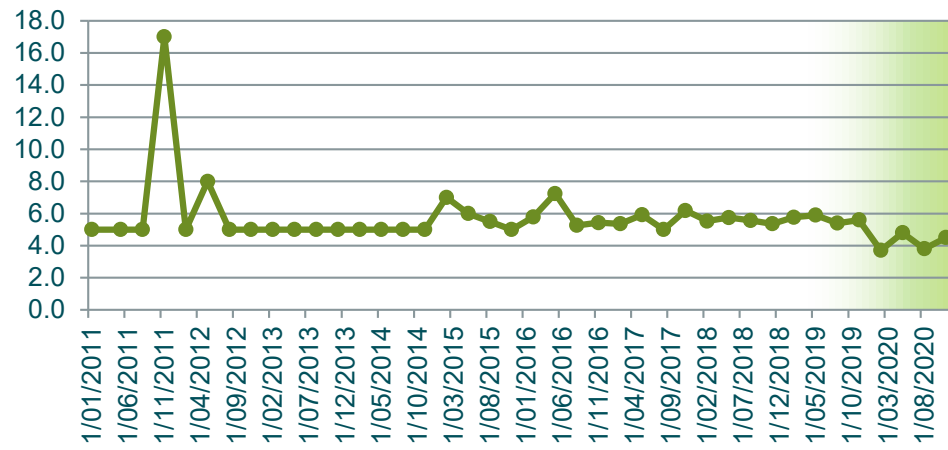
pH pH units



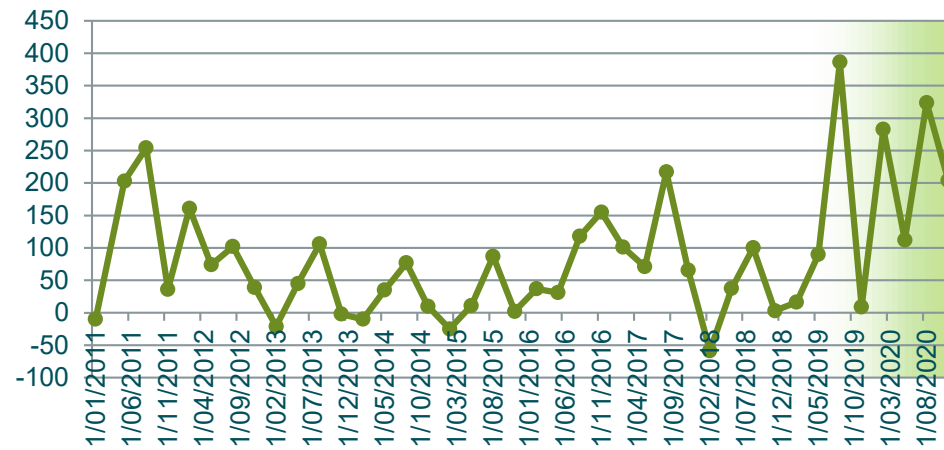
Phosphorus Total mg/L



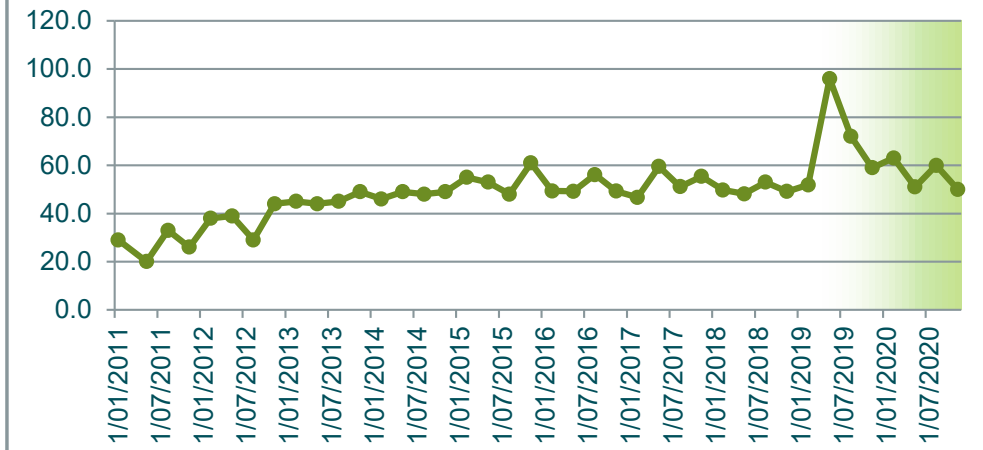
Potassium Total
mg/L



Redox Potential
mV



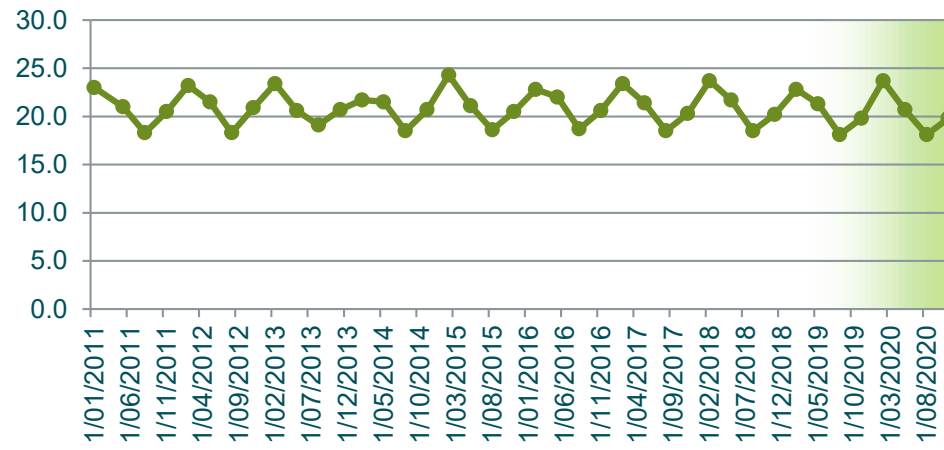
Sodium (Total)
mg/L



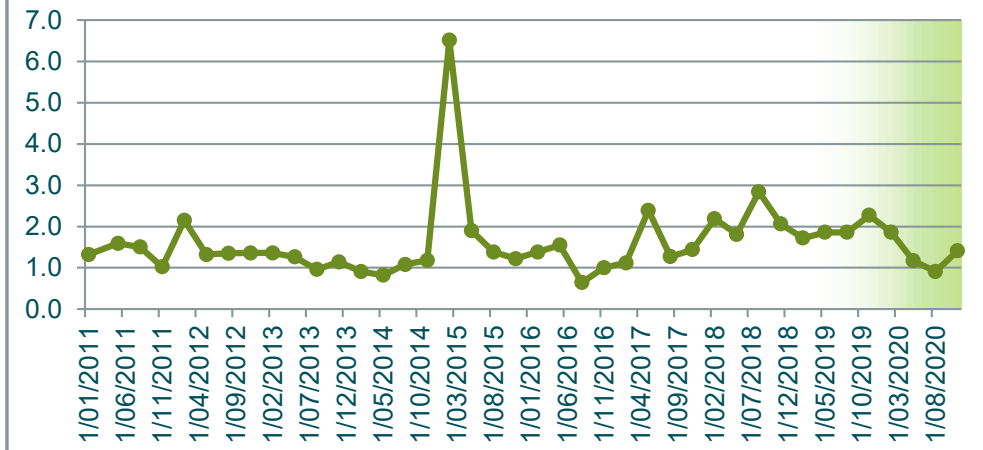
Sulphate
mg/L



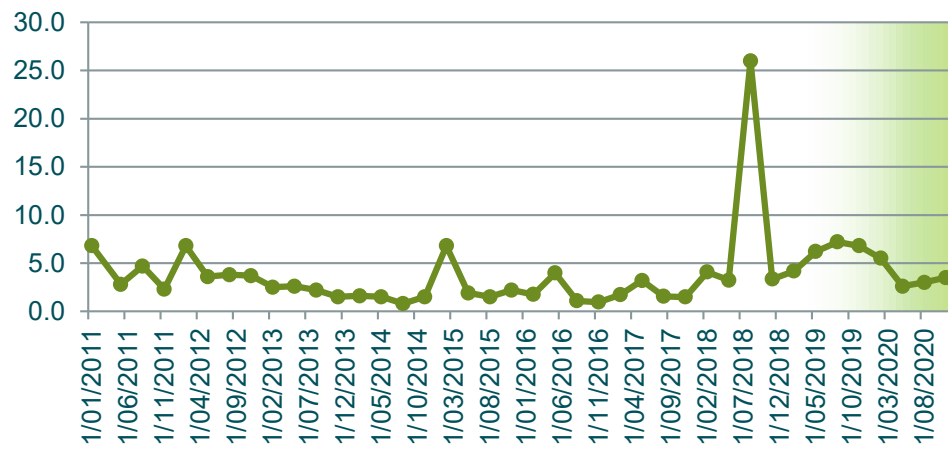
Temperature
C



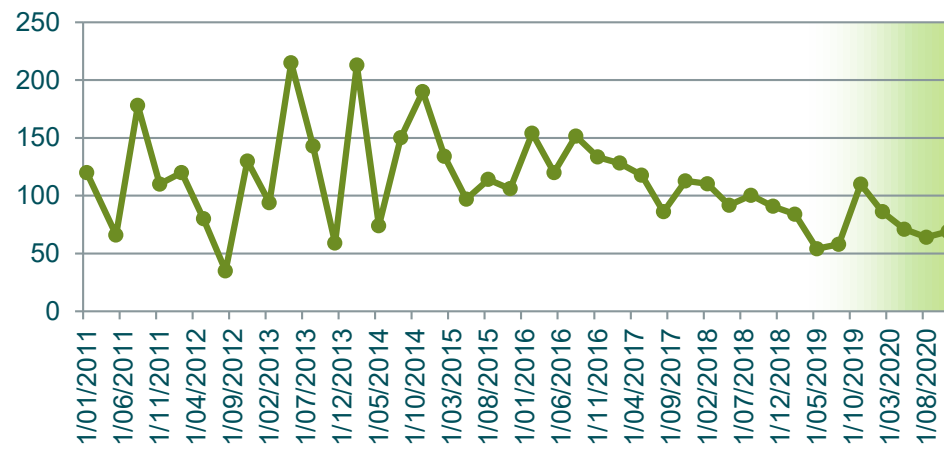
TKN
mg/L



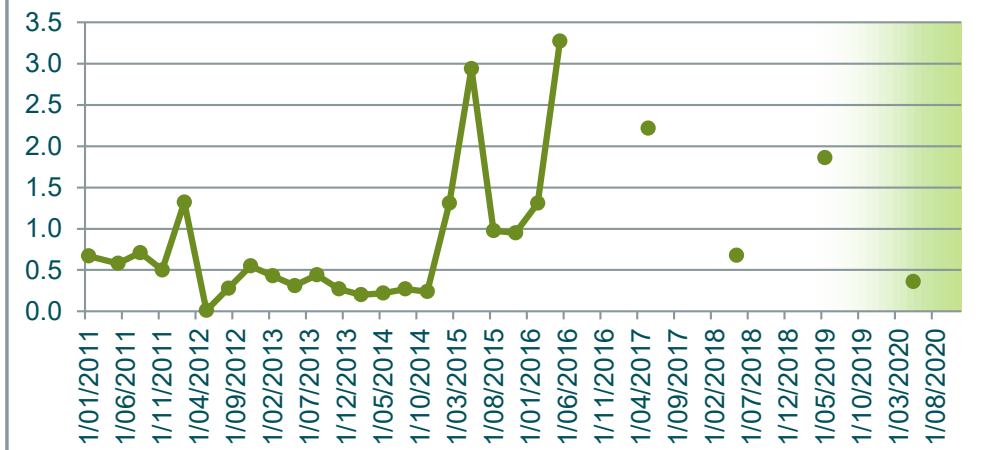
TOC
mg/L



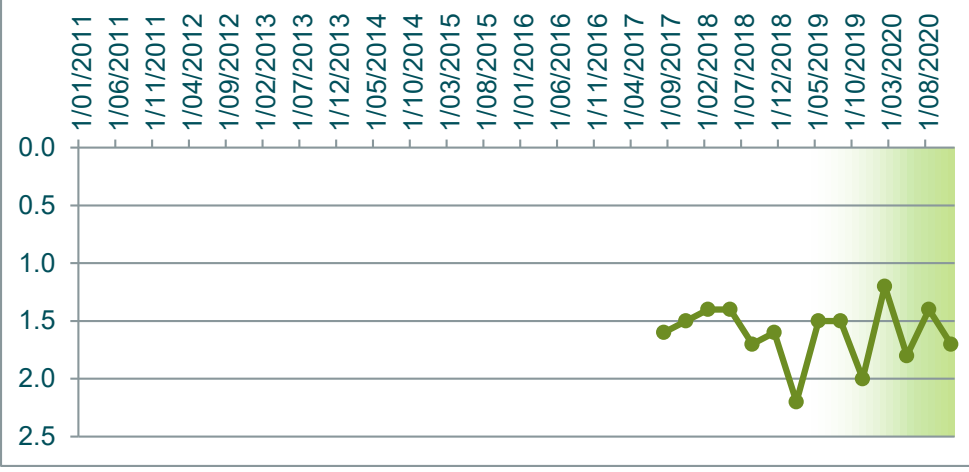
Total Acidity
mg/L CaCO3



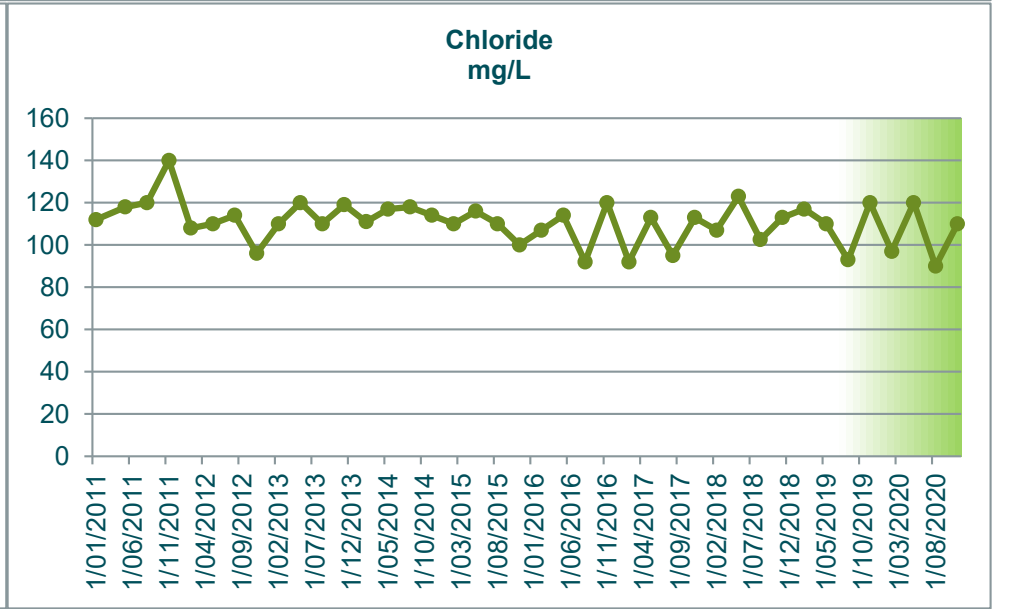
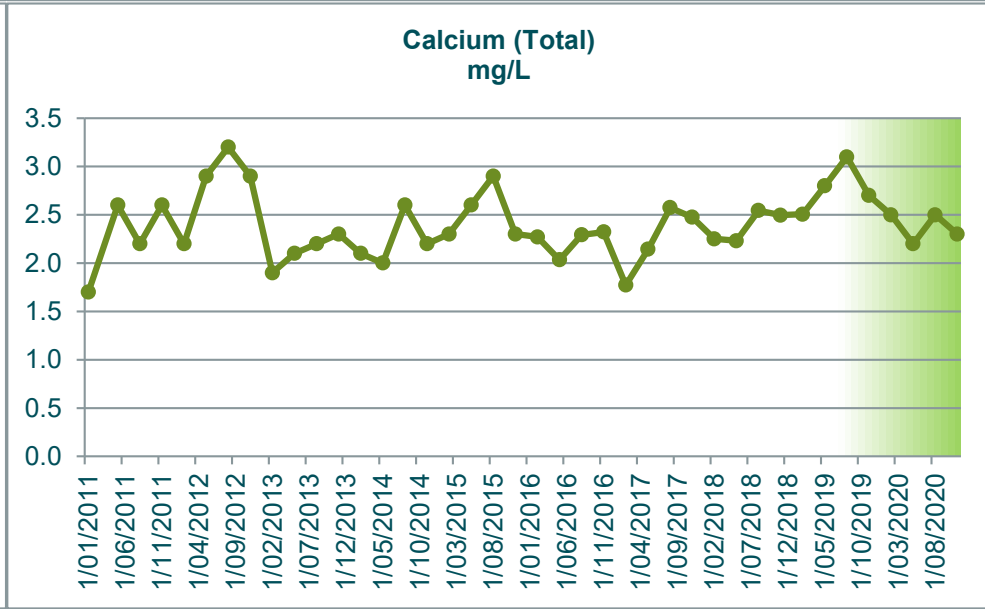
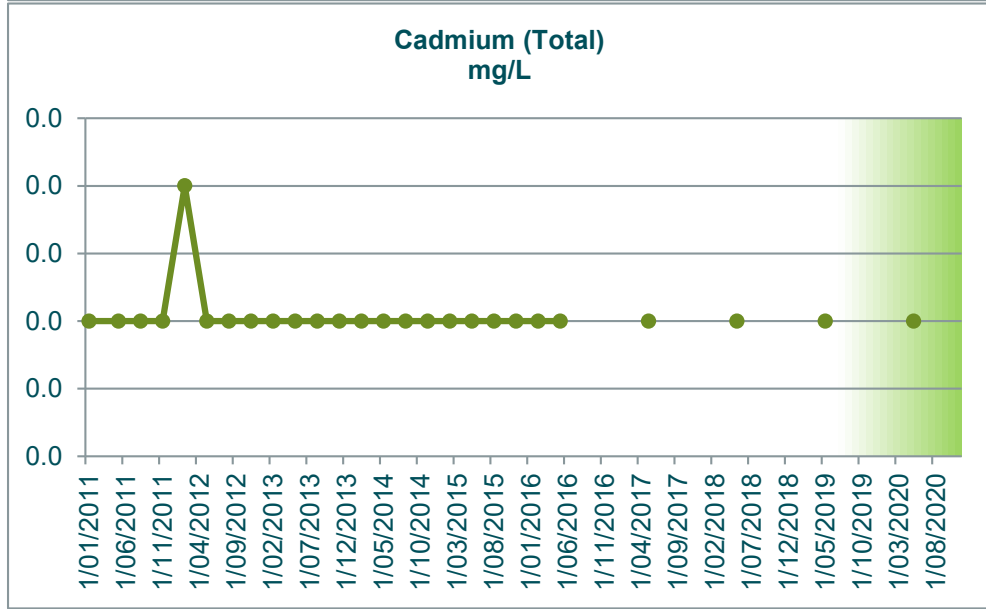
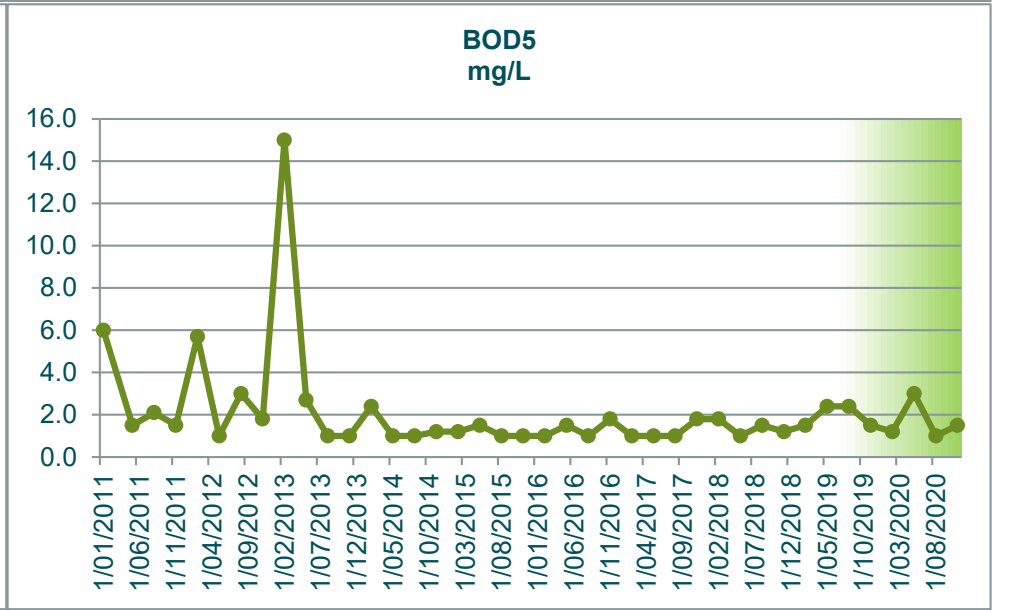
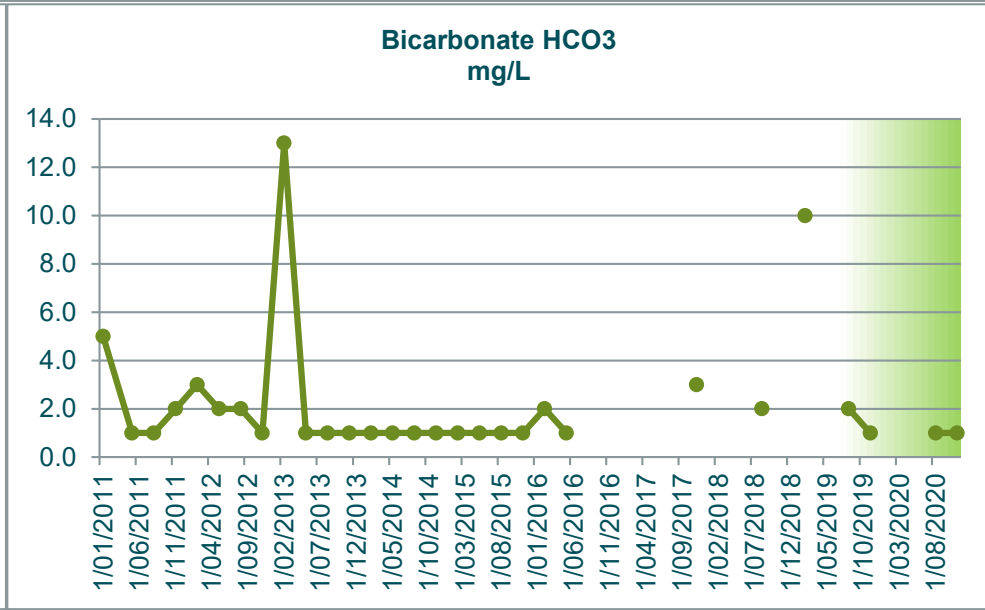
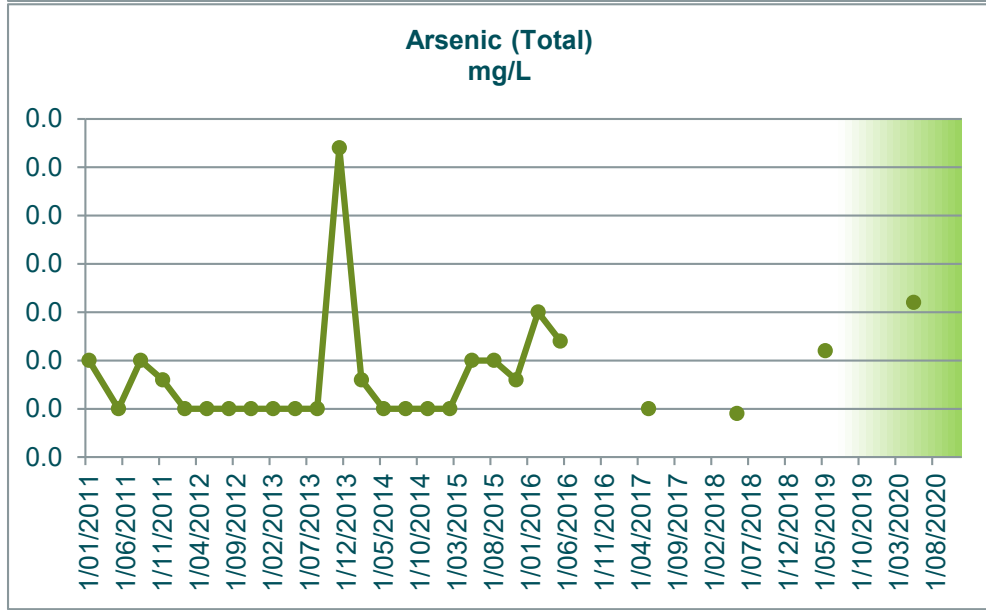
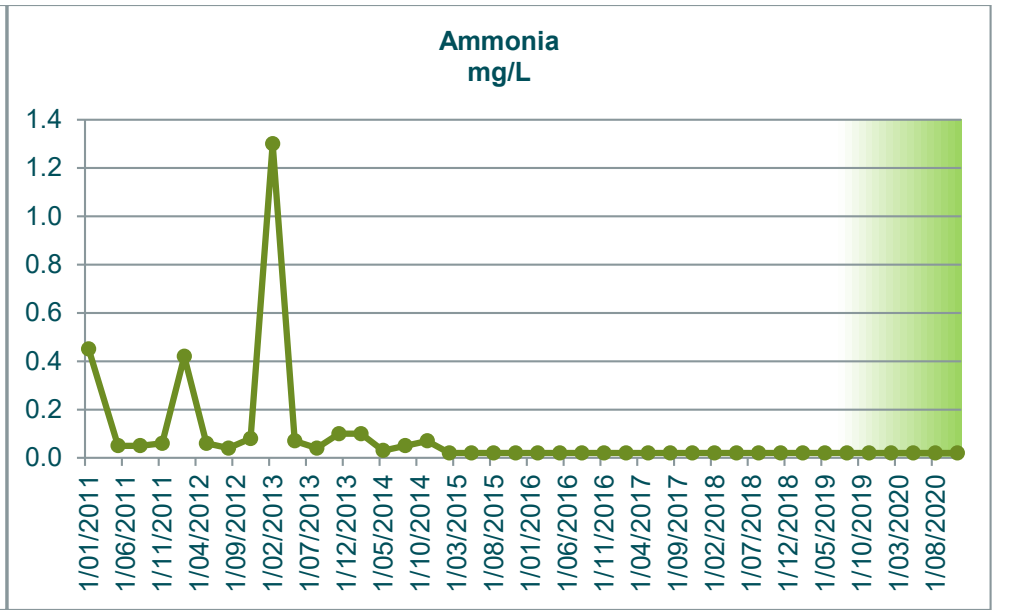
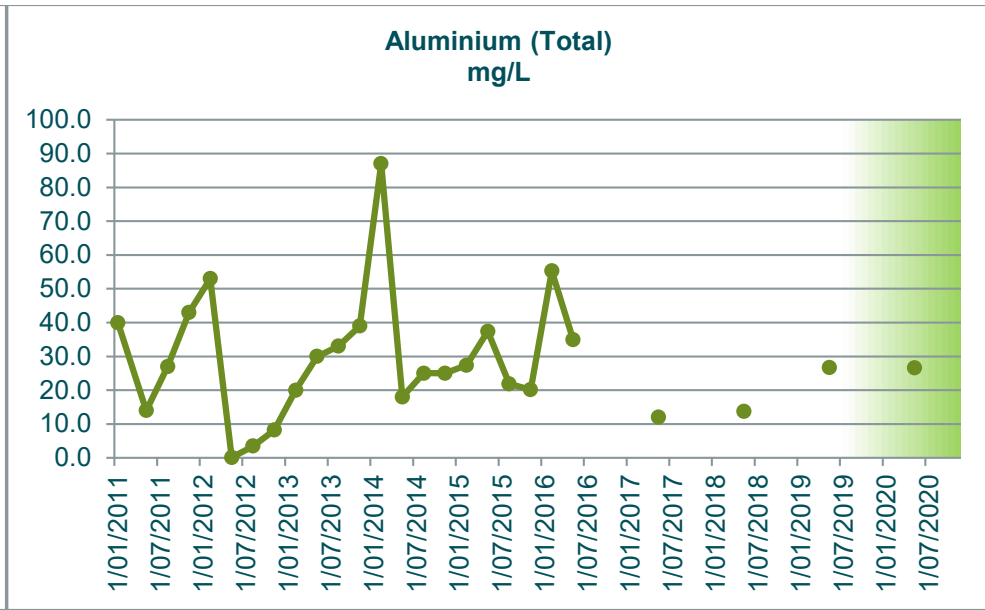
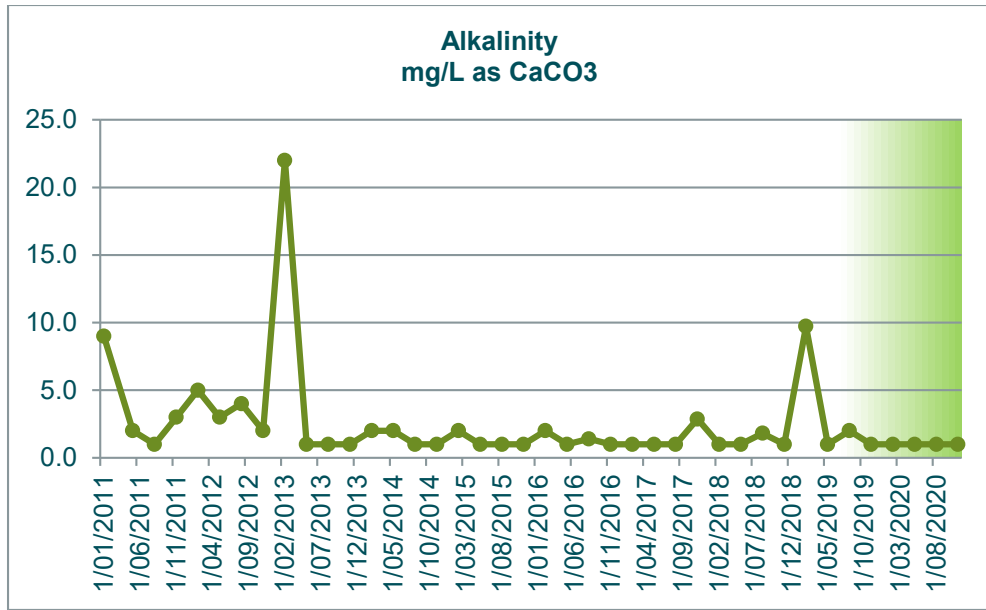
Zinc (Total)
mg/L

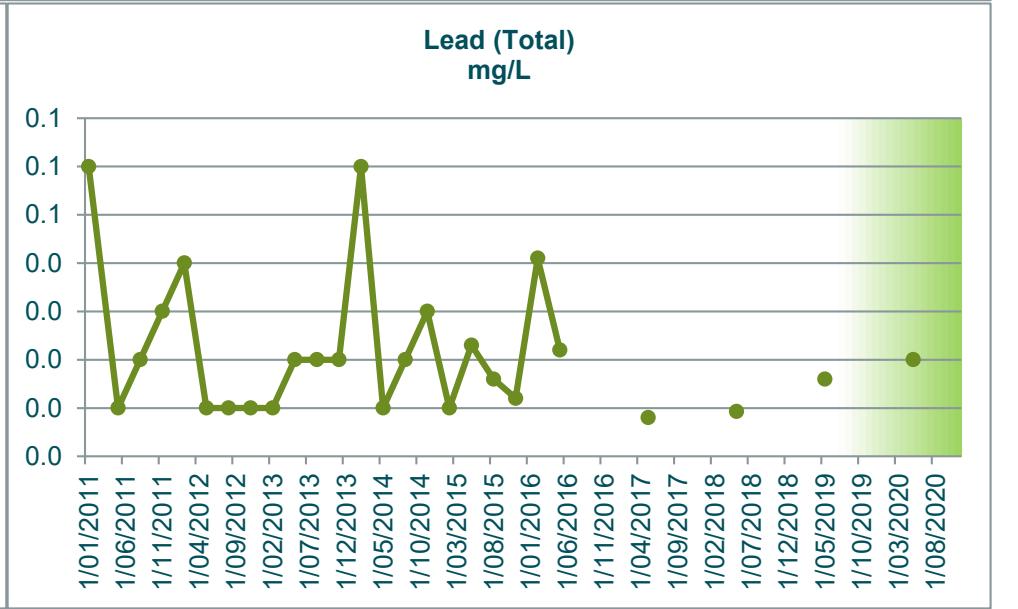
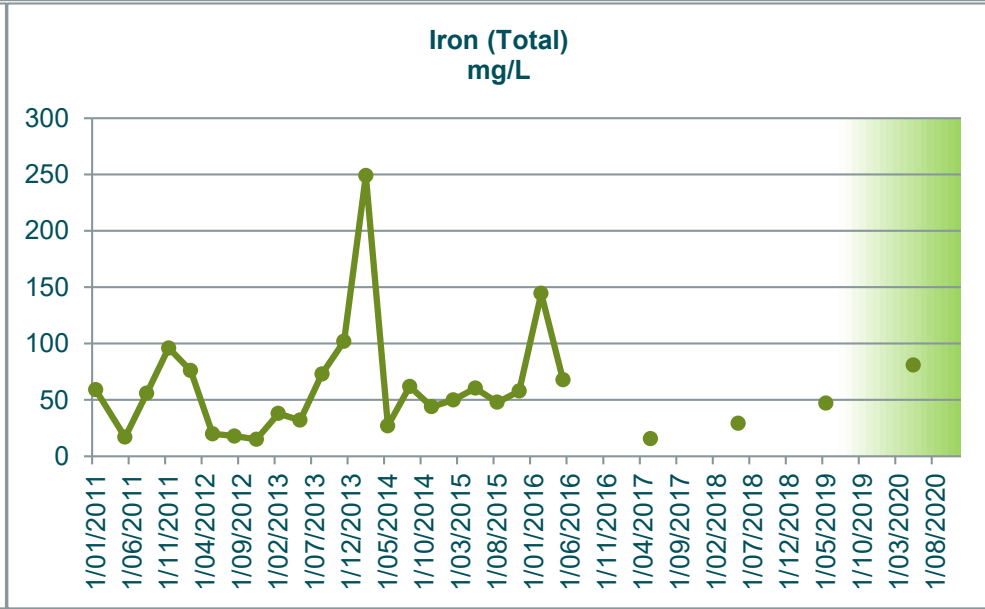
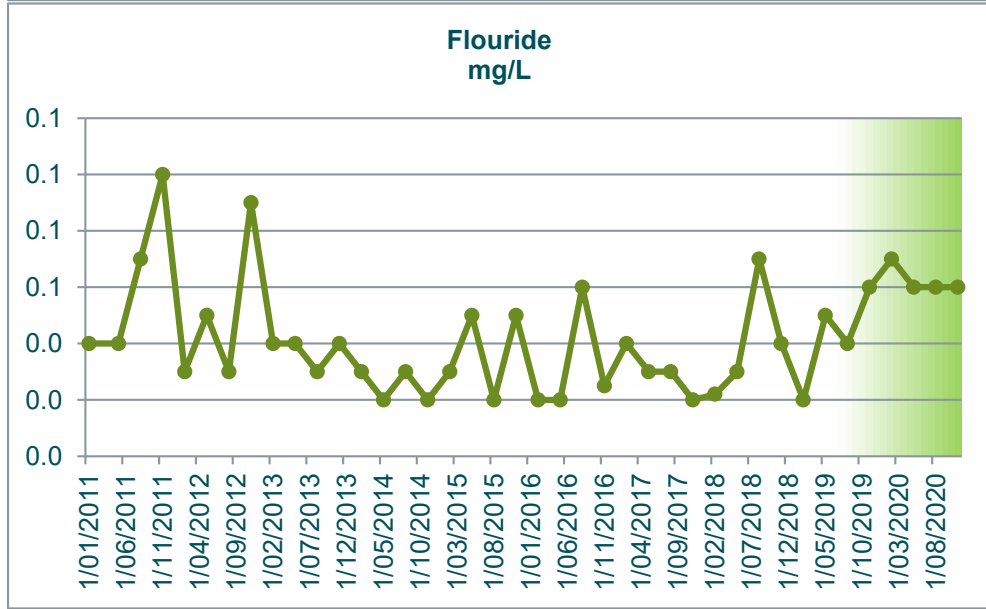
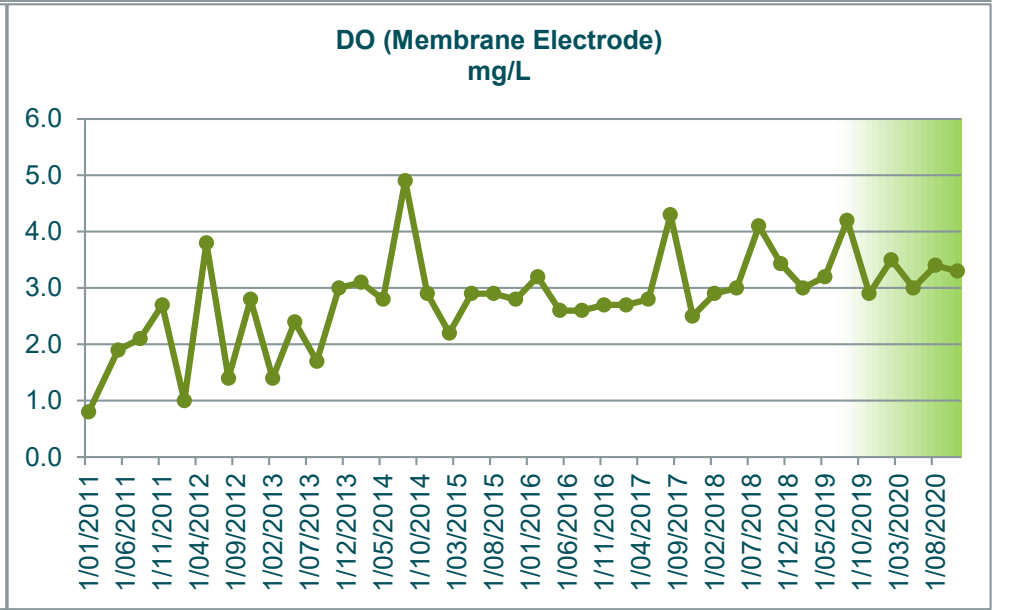
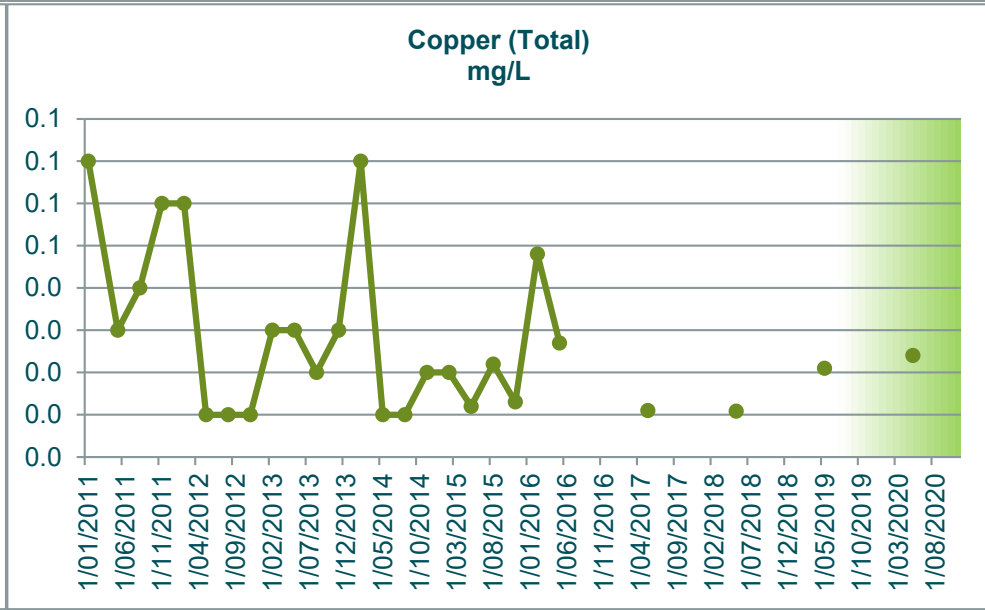
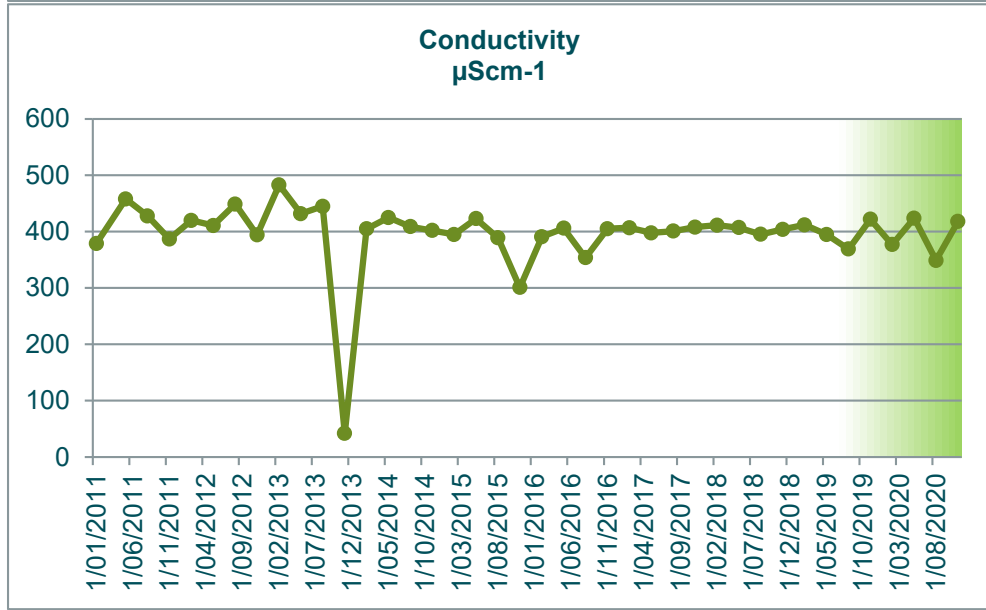
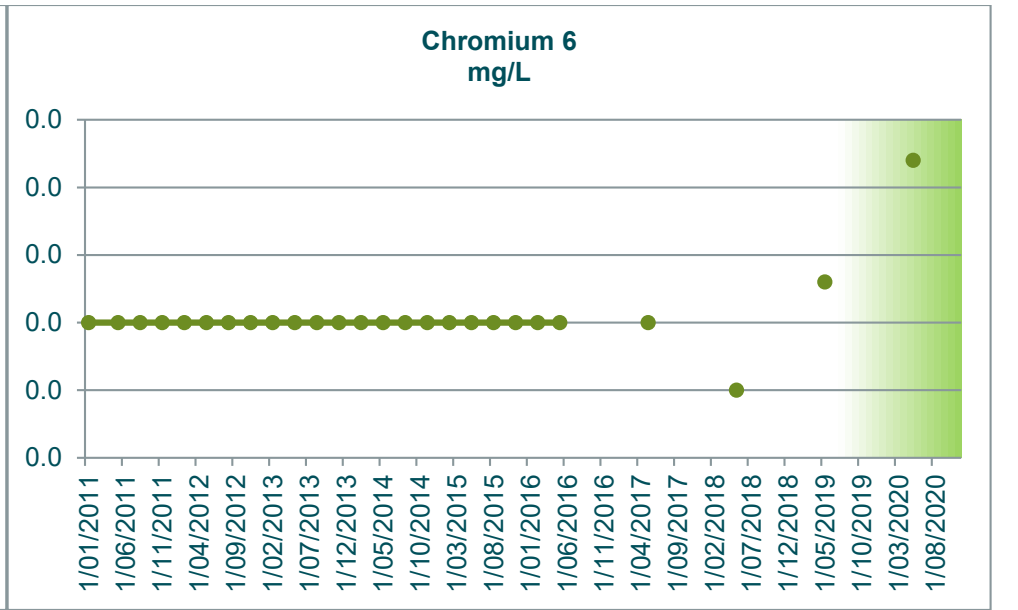
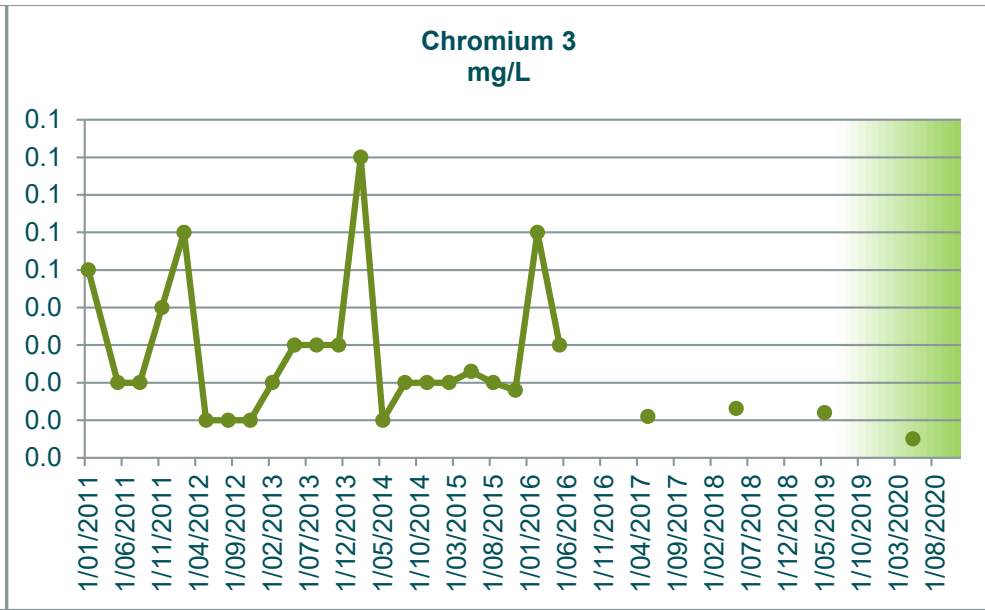
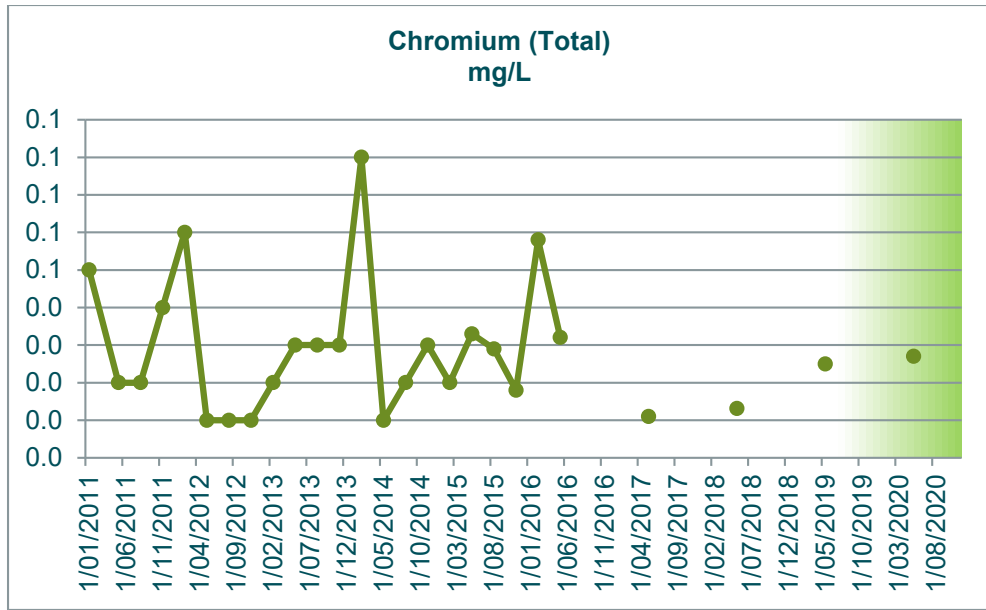


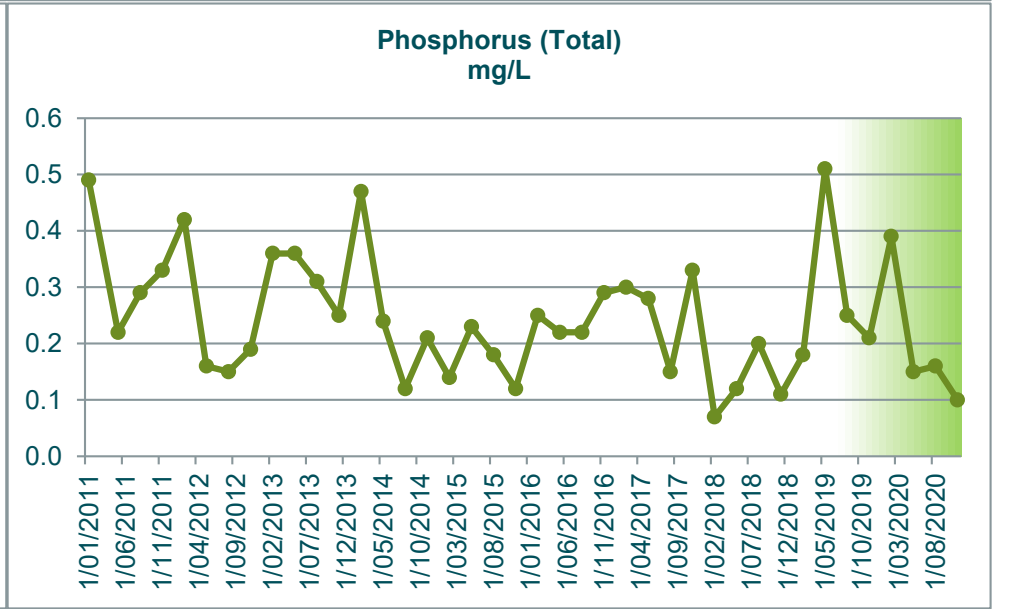
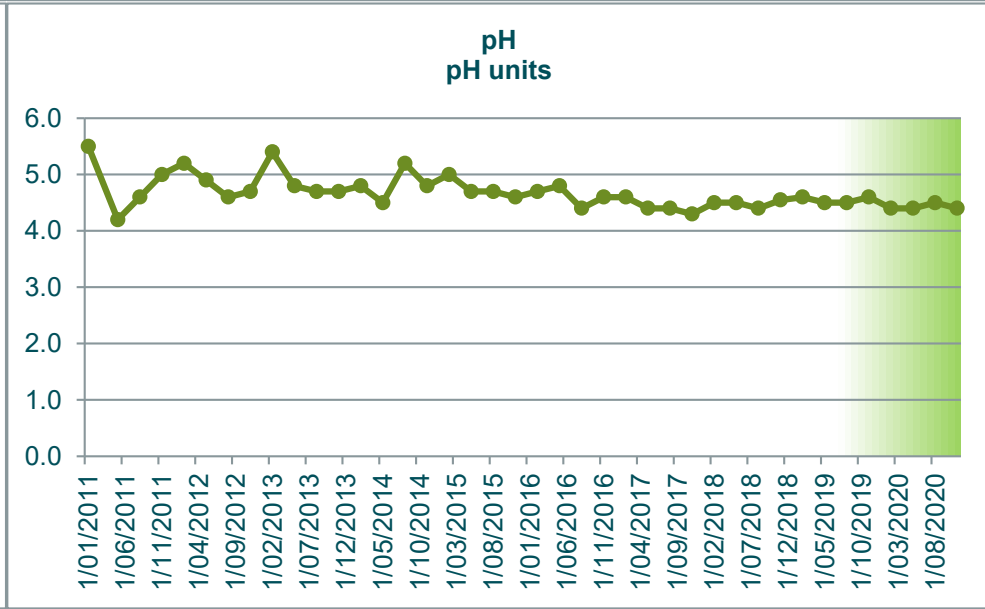
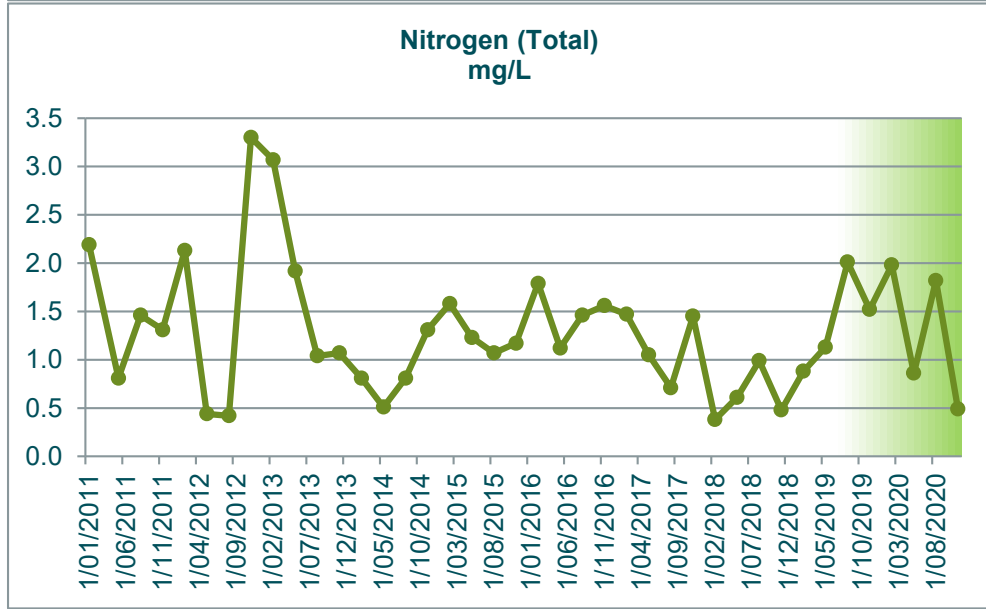
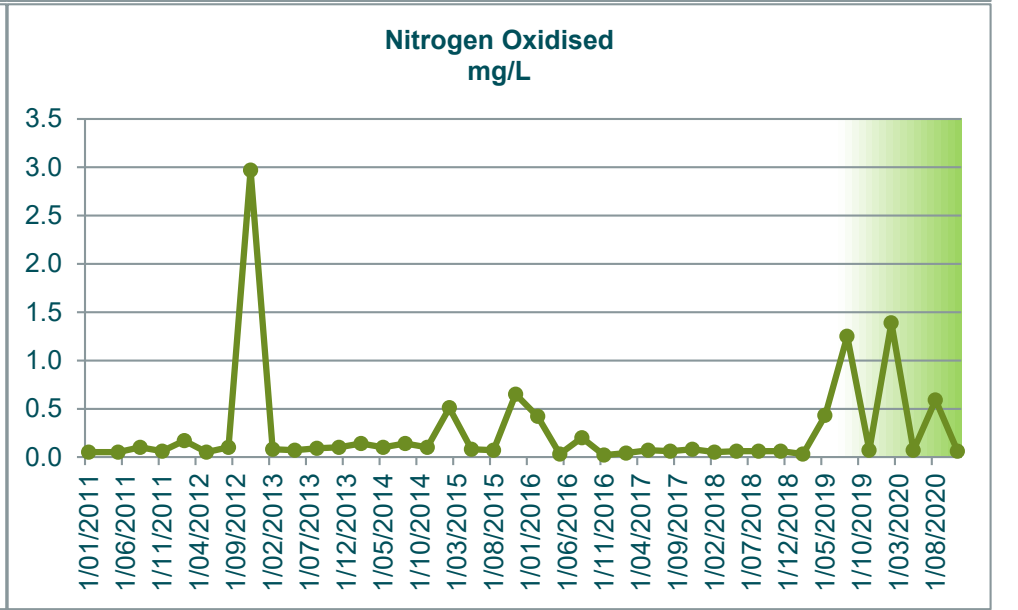
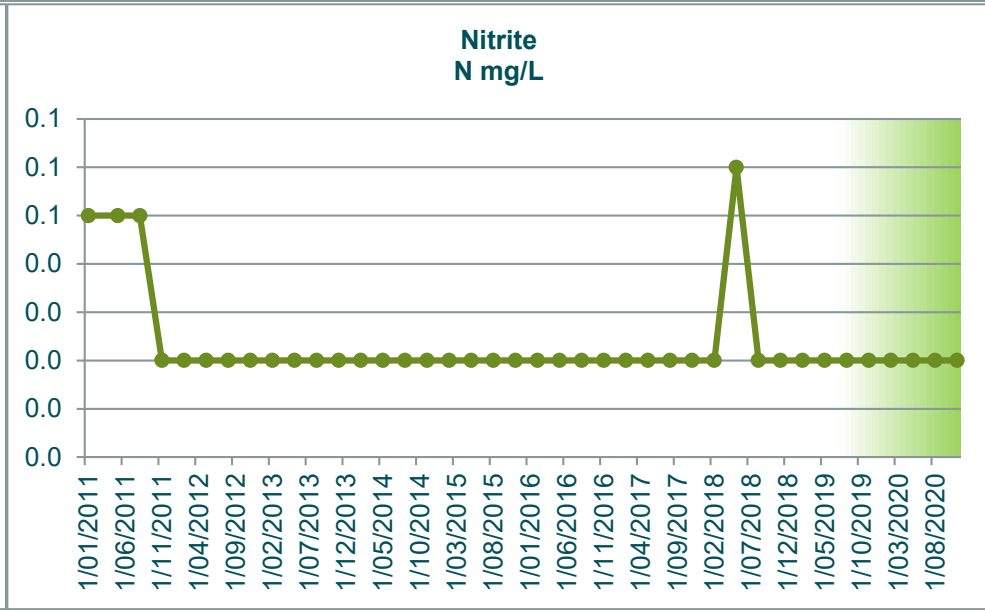
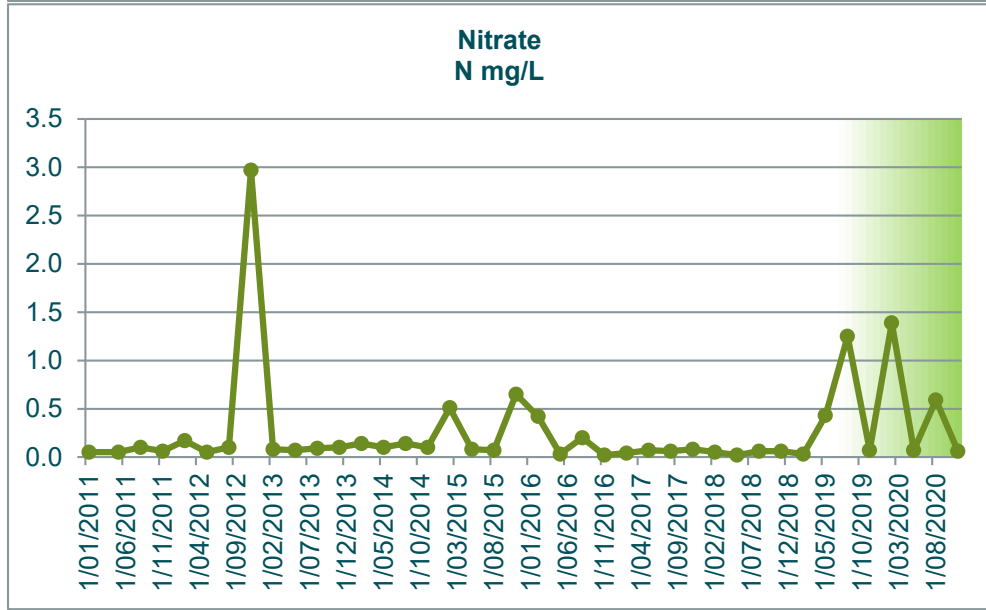
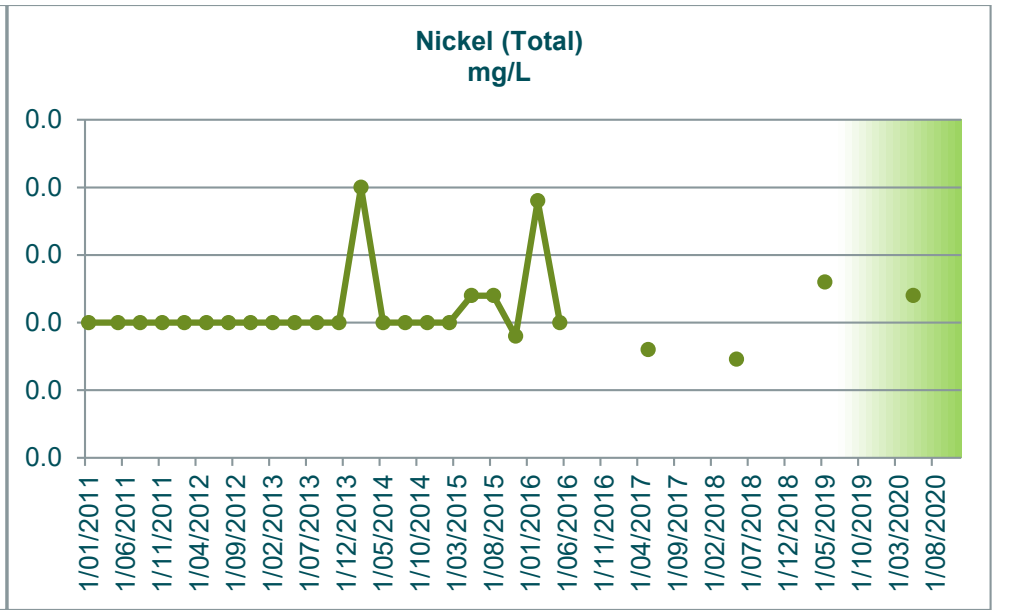
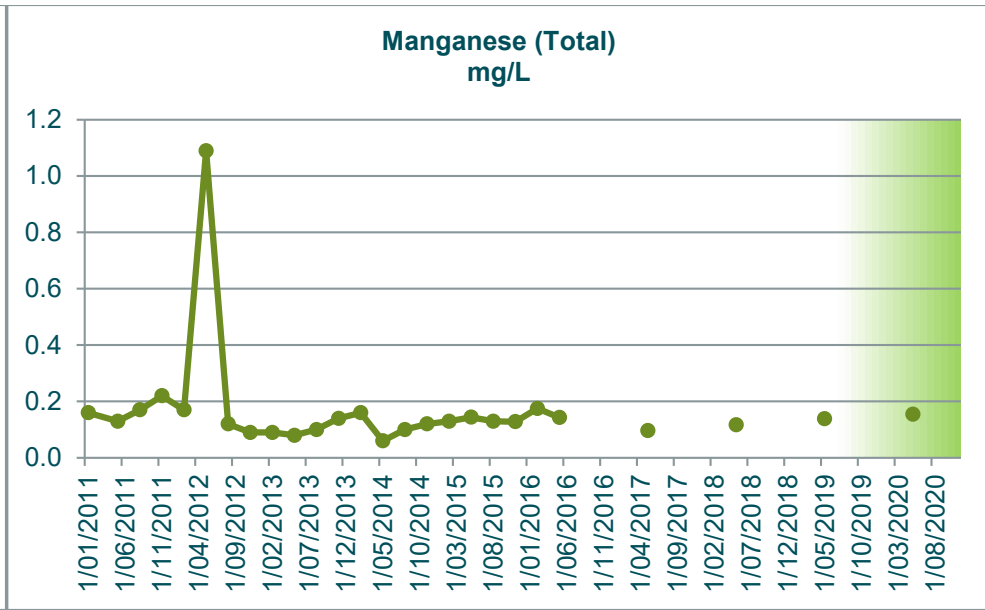
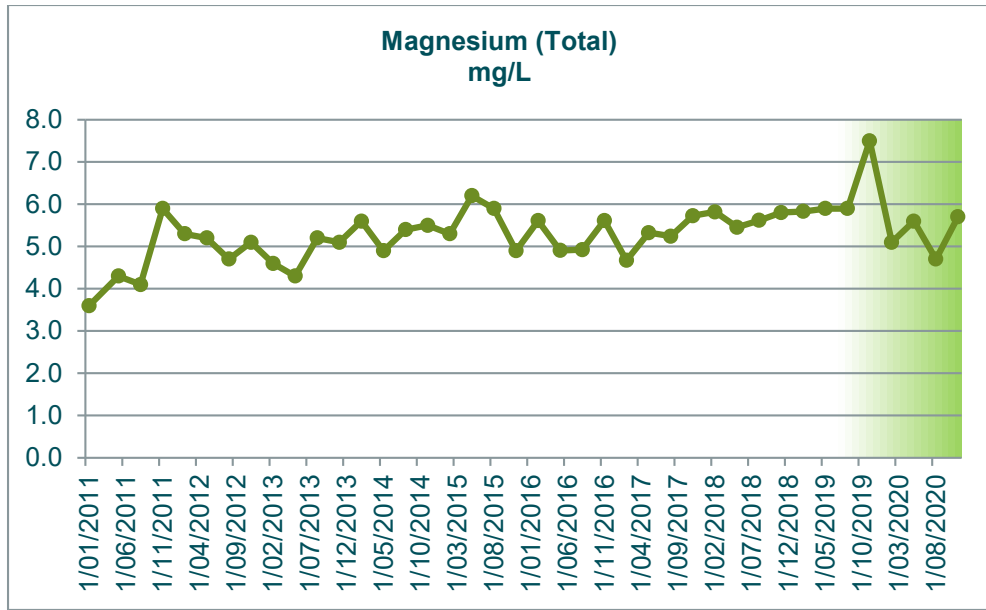
Depth to Groundwater m

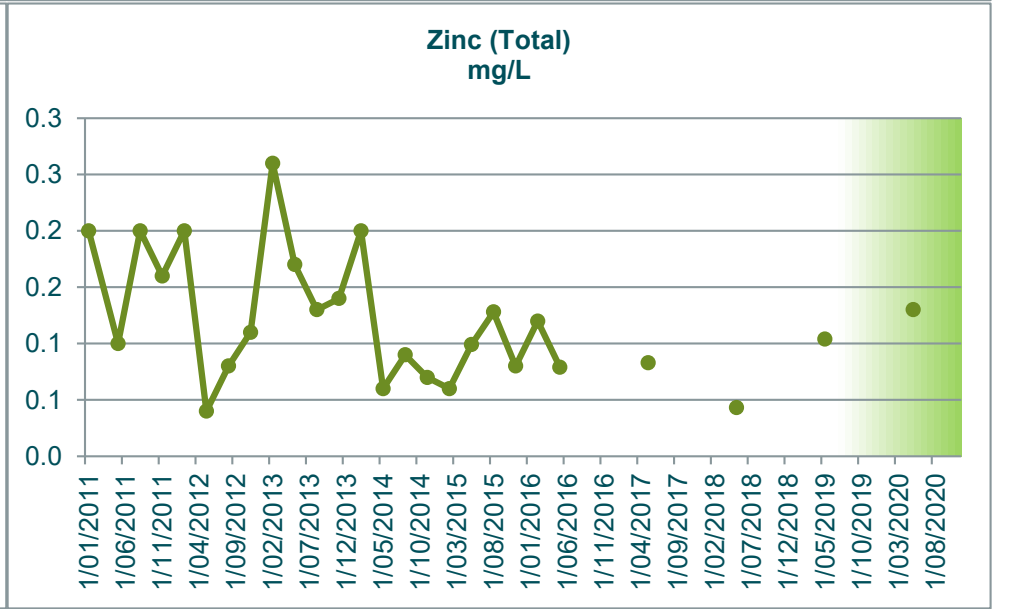
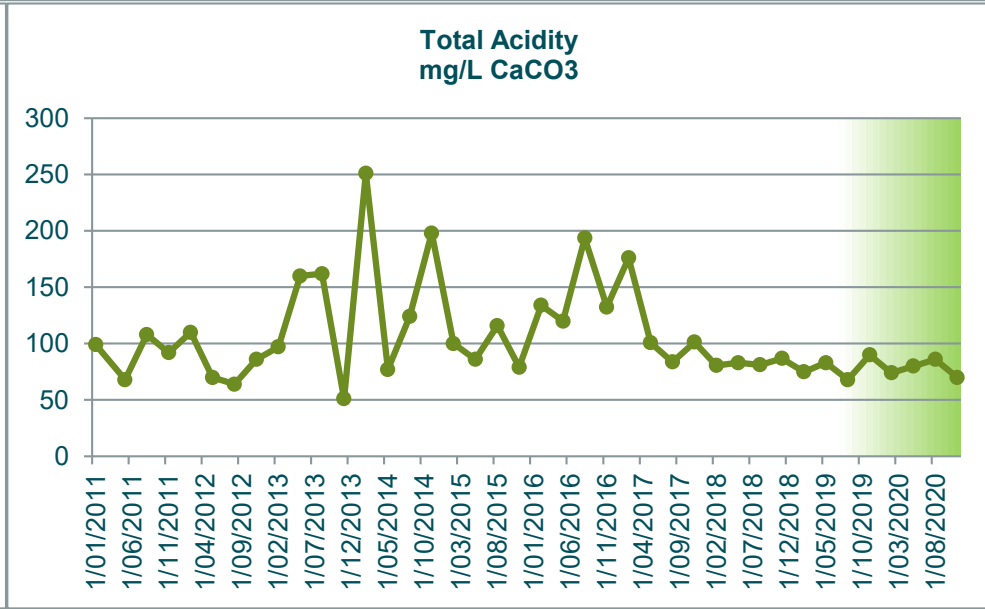
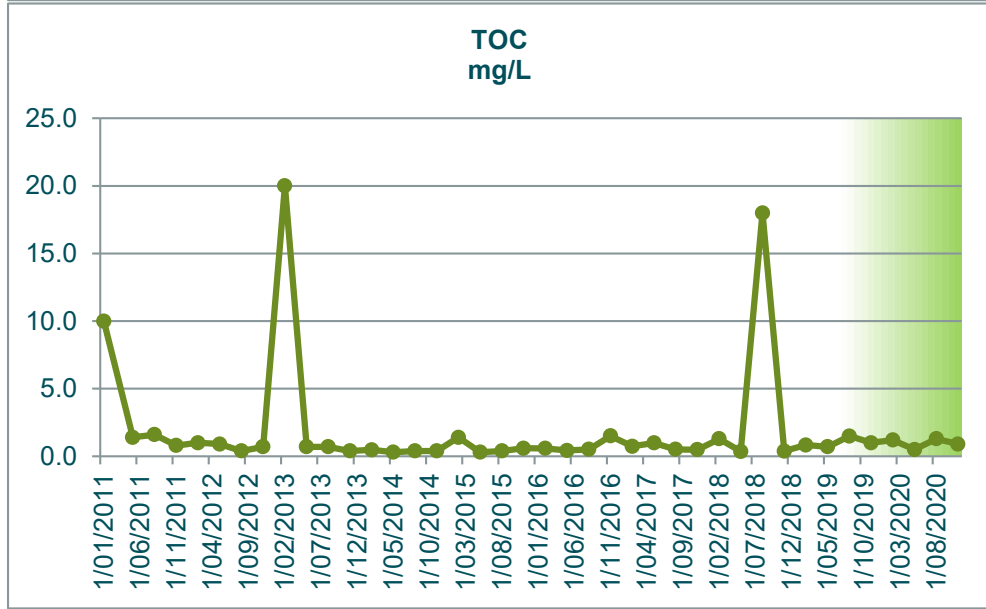
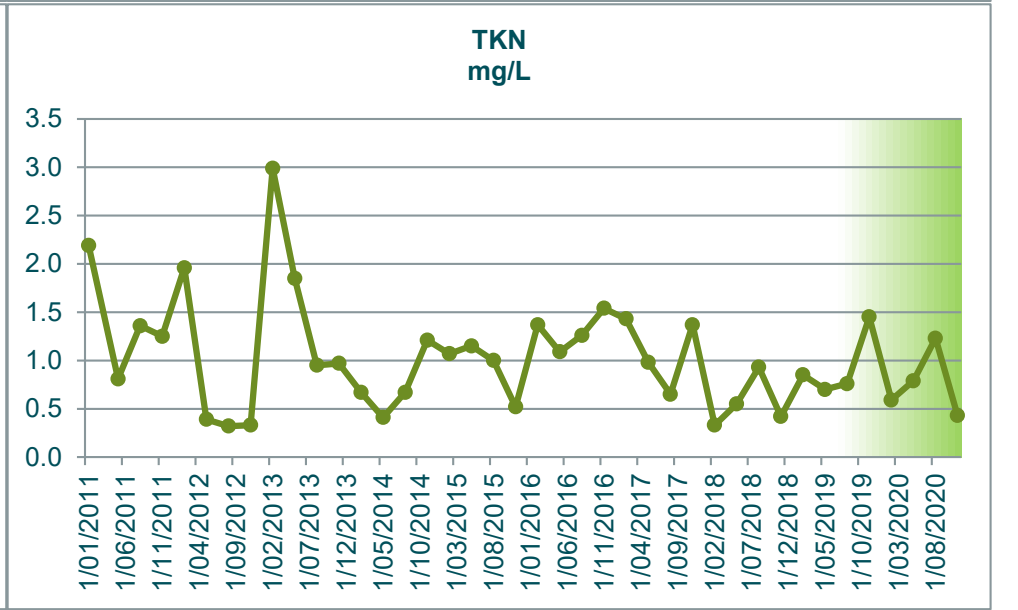
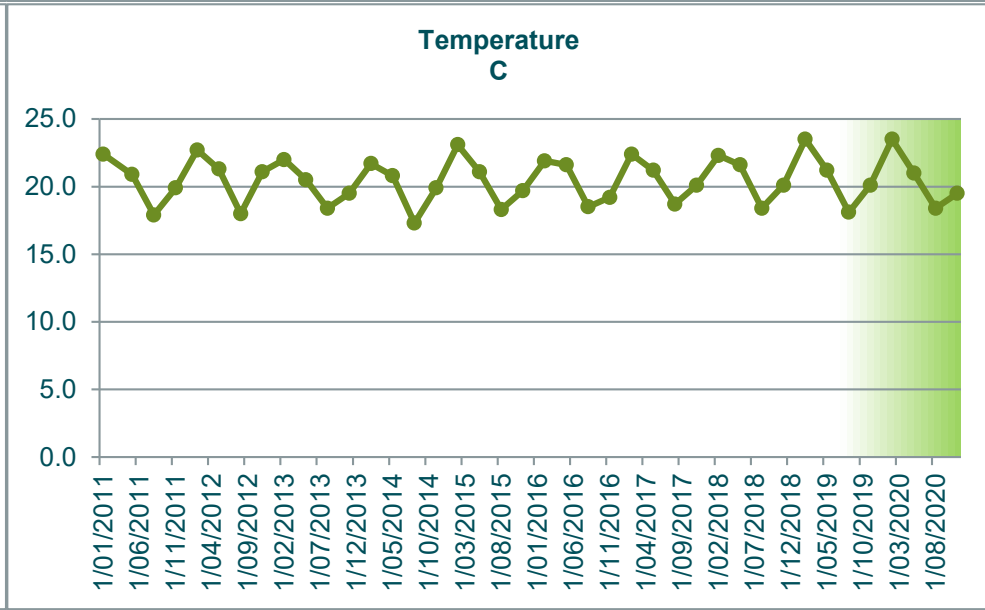
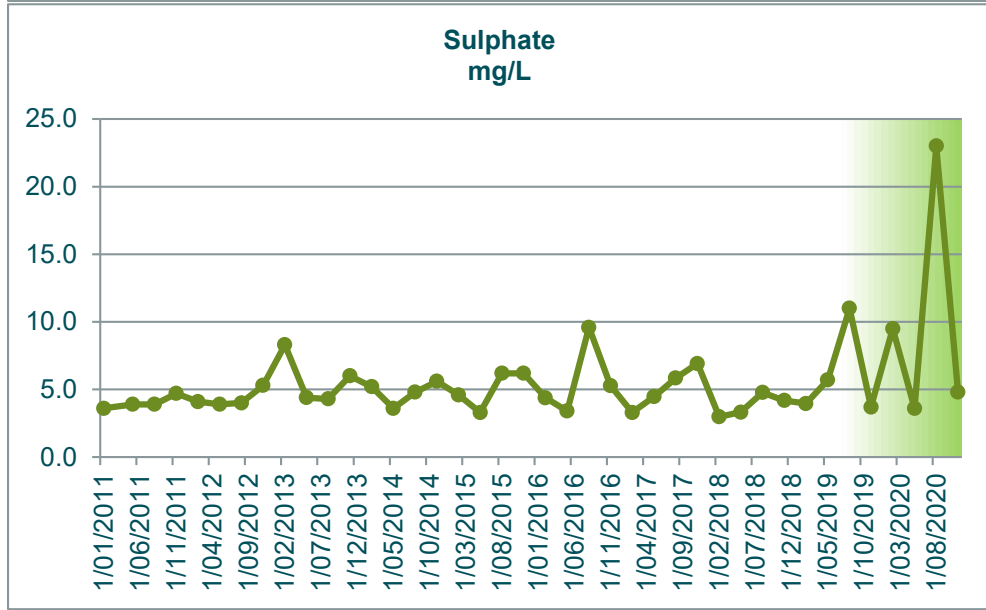
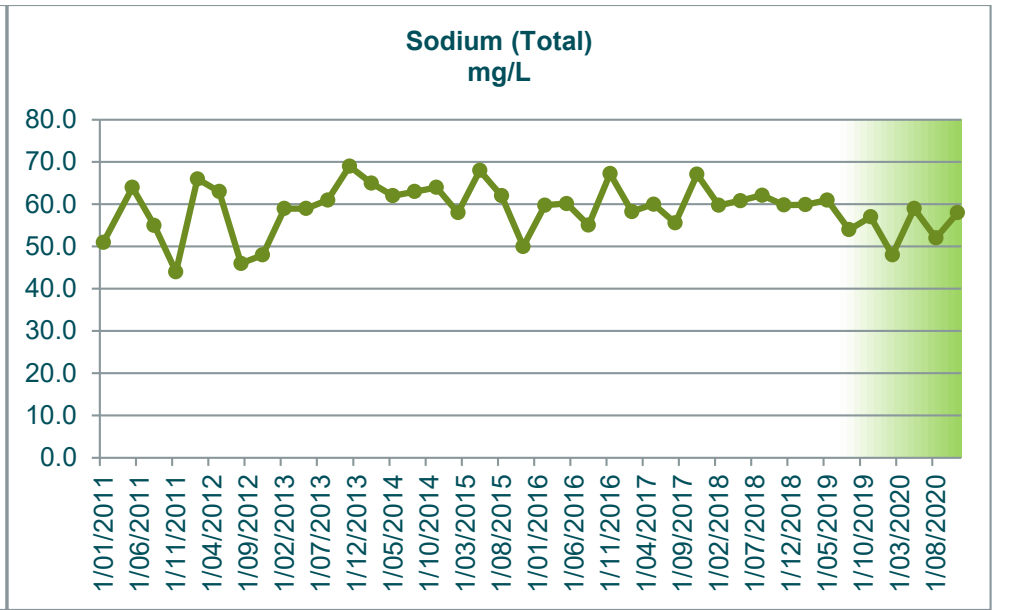
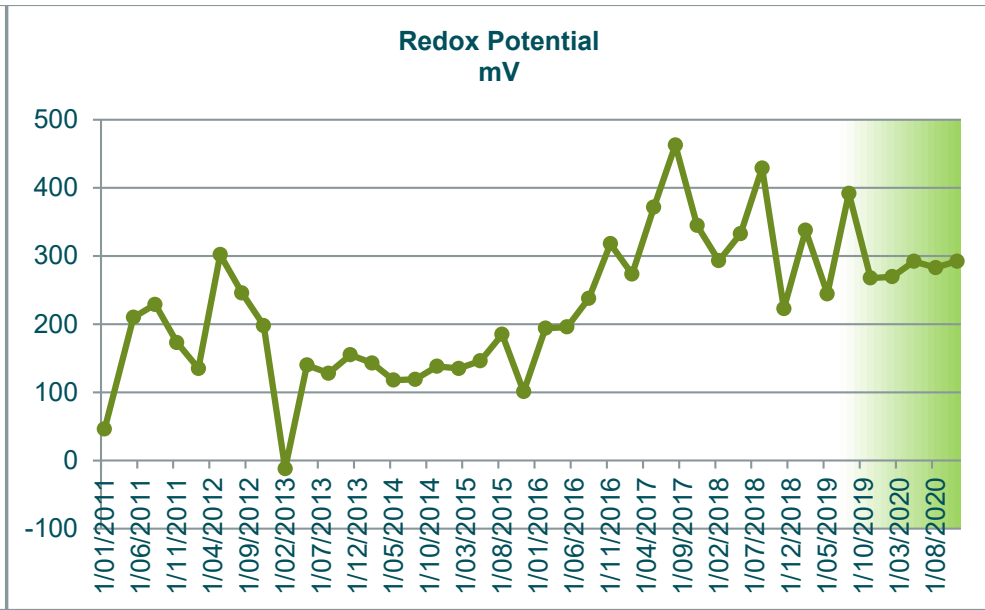
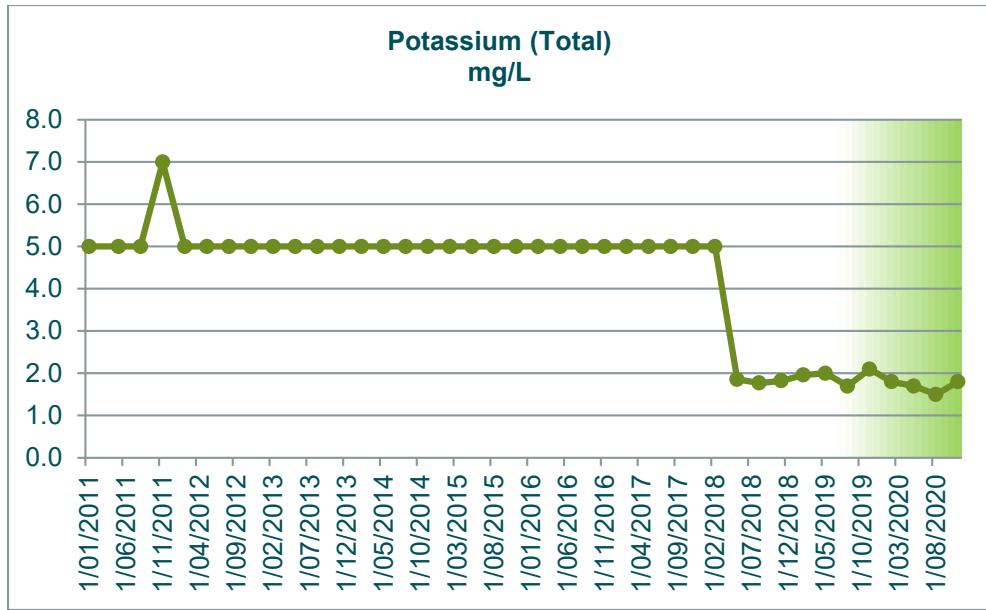


GW7	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m
31/01/2011	9.0	40.0	0.5	0.0	5.0	6.0	0.0	1.7	112	0.1	0.1	0.0	379	0.1	0.8	0.0	59	0.1	3.6	0.2	0.0	0.1	0.1	0.1	2.2	5.5	0.5	5.0	46	51.0	3.6	22.4	2.2	10.0	99	0.2	
10/05/2011	2.0	14.0	0.1	0.0	1.0	1.5	0.0	2.6	118	0.0	0.0	0.0	458	0.0	1.9	0.0	17	0.0	4.3	0.1	0.0	0.1	0.1	0.1	0.8	4.2	0.2	5.0	210	64.0	3.9	20.9	0.8	1.4	68	0.1	
9/08/2011	1.0	27.0	0.1	0.0	1.0	2.1	0.0	2.2	120	0.0	0.0	0.0	428	0.0	2.1	0.1	56	0.0	4.1	0.2	0.0	0.1	0.1	0.1	1.5	4.6	0.3	5.0	229	55.0	3.9	17.9	1.4	1.6	108	0.2	
8/11/2011	3.0	43.0	0.1	0.0	2.0	1.5	0.0	2.6	140	0.0	0.0	0.0	387	0.1	2.7	0.1	96	0.0	5.9	0.2	0.0	0.1	0.0	0.1	1.3	5.0	0.3	7.0	173	44.0	4.7	19.9	1.3	0.8	92	0.2	
6/02/2012	5.0	53.0	0.4	0.0	3.0	5.7	0.0	2.2	108	0.1	0.1	0.0	420	0.1	1.0	0.0	76	0.0	5.3	0.2	0.0	0.2	0.0	0.2	2.1	5.2	0.4	5.0	135	66.0	4.1	22.7	2.0	1.0	110	0.2	
8/05/2012	3.0	0.1	0.1	0.0	2.0	1.0	0.0	2.9	110	0.0	0.0	0.0	411	0.0	3.8	0.1	20	0.0	5.2	1.1	0.0	0.1	0.0	0.1	0.4	4.9	0.2	5.0	302	63.0	3.9	21.3	0.4	0.9	70	0.0	
6/08/2012	4.0	3.5	0.0	0.0	2.0	3.0	0.0	3.2	114	0.0	0.0	0.0	449	0.0	1.4	0.0	18	0.0	4.7	0.1	0.0	0.1	0.0	0.1	0.4	4.6	0.2	5.0	246	46.0	4.0	18.0	0.3	0.4	64	0.1	
13/11/2012	2.0	8.2	0.1	0.0	1.0	1.8	0.0	2.9	96	0.0	0.0	0.0	394	0.0	2.8	0.1	15	0.0	5.1	0.1	0.0	3.0	0.0	3.0	3.3	4.7	0.2	5.0	198	48.0	5.3	21.1	0.3	0.7	86	0.1	
13/02/2013	22.0	20.0	1.3	0.0	13.0	15.0	0.0	1.9	110	0.0	0.0	0.0	483	0.0	1.4	0.0	38	0.0	4.6	0.1	0.0	0.1	0.0	0.1	3.1	5.4	0.4	5.0	-12	59.0	8.3	22.0	3.0	20.0	97	0.3	
14/05/2013	1.0	30.0	0.1	0.0	1.0	2.7	0.0	2.1	120	0.0	0.0	0.0	432	0.0	2.4	0.0	32	0.0	4.3	0.1	0.0	0.1	0.0	0.1	1.9	4.8	0.4	5.0	140	59.0	4.4	20.5	1.9	0.7	160	0.2	
6/08/2013	1.0	33.0	0.0	0.0	1.0	1.0	0.0	2.2	110	0.0	0.0	0.0	445	0.0	1.7	0.0	73	0.0	5.2	0.1	0.0	0.1	0.0	0.1	1.0	4.7	0.3	5.0	128	61.0	4.3	18.4	1.0	0.7	162	0.1	
12/11/2013	1.0	39.0	0.1	0.0	1.0	1.0	0.0	2.3	119	0.0	0.0	0.0	42	0.0	3.0	0.0	102	0.0	5.1	0.1	0.0	0.1	0.0	0.1	1.1	4.7	0.3	5.0	155	69.0	6.0	19.5	1.0	0.4	51	0.1	
11/02/2014	2.0	87.0	0.1	0.0	1.0	2.4	0.0	2.1	111	0.1	0.1	0.0	405	0.1	3.1	0.0	249	0.1	5.6	0.2	0.0	0.1	0.0	0.1	0.8	4.8	0.5	5.0	143	65.0	5.2	21.7	0.7	0.5	251	0.2	
13/05/2014	2.0	18.0	0.0	0.0	1.0	1.0	0.0	2.0	117	0.0	0.0	0.0	425	0.0	2.8	0.0	27	0.0	4.9	0.1	0.0	0.1	0.0	0.1	0.5	4.5	0.2	5.0	118	62.0	3.6	20.8	0.4	0.3	77	0.1	
12/08/2014	1.0	25.0	0.1	0.0	1.0	1.0	0.0	2.6	118	0.0	0.0	0.0	409	0.0	4.9	0.0	62	0.0	5.4	0.1	0.0	0.1	0.0	0.1	0.8	5.2	0.1	5.0	119	63.0	4.8	17.3	0.7	0.4	124	0.1	
10/11/2014	1.0	25.0	0.1	0.0	1.0	1.2	0.0	2.2	114	0.0	0.0	0.0	402	0.0	2.9	0.0	44	0.0	5.5	0.1	0.0	0.1	0.0	0.1	1.3	4.8	0.2	5.0	138	64.0	5.6	19.9	1.2	0.4	198	0.1	
9/02/2015	2.0	27.4	0.0	0.0	1.0	1.2	0.0	2.3	110	0.0	0.0	0.0	395	0.0	2.2	0.0	50	0.0	5.3	0.1	0.0	0.5	0.0	0.5	1.6	5.0	0.1	5.0	135	58.0	4.6	23.1	1.1	1.4	100	0.1	
11/05/2015	1.0	37.4	0.0	0.0	1.0	1.5	0.0	2.6	116	0.0	0.0	0.0	423	0.0	2.9	0.1	60	0.0	6.2	0.1	0.0	0.1	0.0	0.1	1.2	4.7	0.2	5.0	146	68.0	3.3	21.1	1.2	0.3	86	0.1	
11/08/2015	1.0	21.9	0.0	0.0	1.0	1.0	0.0	2.9	110	0.0	0.0	0.0	389	0.0	2.9	0.0	48	0.0	5.9	0.1	0.0	0.1	0.0	0.1	1.1	4.7	0.2	5.0	185	62.0	6.2	18.3	1.0	0.4	116	0.1	
10/11/2015	1.0	20.1	0.0	0.0	1.0	1.0	0.0	2.3	100	0.0	0.0	0.0	301	0.0	2.8	0.1	58	0.0	4.9	0.1	0.0	0.7	0.0	0.7	1.2	4.6	0.1	5.0	101	50.0	6.2	19.7	0.5	0.6	79	0.1	
8/02/2016	2.0	55.3	0.0	0.0	2.0	1.0	0.0	2.3	107	0.1	0.1	0.0	391	0.0	3.2	0.0	144	0.0	5.6	0.2	0.0	0.4	0.0	0.4	1.8	4.7	0.3	5.0	194	59.8	4.4	21.9	1.4	0.6	134	0.1	
9/05/2016	1.0	34.9	0.0	0.0	1.0	1.5	0.0	2.0	114	0.0	0.0	0.0	406	0.0	2.6	0.0	68	0.0	4.9	0.1	0.0	0.0	0.0	0.0	1.1	4.8	0.2	5.0	196	60.2	3.4	21.6	1.1	0.4	120	0.1	
9/08/2016	1.4		0.0			1.0		2.3	92				354		2.6	0.1			4.9			0.2	0.0	0.2	1.5	4.4	0.2	5.0	238	55.0	9.6	18.5	1.3	0.5	194		
7/11/2016	1.0		0.0			1.8		2.3	120				405		2.7	0.0			5.6			0.0	0.0	0.0	1.6	4.6	0.3	5.0	318	67.2	5.3	19.2	1.5	1.5	132		
7/02/2017	1.0		0.0			1.0		1.8	92				407		2.7	0.0			4.7			0.0	0.0	0.0	1.5	4.6	0.3	5.0	273	58.3	3.3	22.4	1.4	0.7	176		
8/05/2017	1.0	12.0	0.0	0.0		1.0	0.0	2.1	113	0.0	0.0	0.0	398	0.0	2.8	0.0	16	0.0	5.3	0.1	0.0	0.1	0.0	0.1	1.1	4.4	0.3	5.0	372	60.0	4.5	21.2	1.0	1.0	101	0.1	
8/08/2017	1.0		0.0			1.0		2.6	95				401		4.3	0.0			5.2			0.1	0.0	0.1	0.7	4.4	0.2	5.0	463	55.6	5.8	18.7	0.7	0.5	84		1.6
7/11/2017	2.9		0.0		3.0	1.8		2.5	113				408		2.5	0.0			5.7			0.1	0.0	0.1	1.5	4.3	0.3	5.0	345	67.1	6.9	20.1	1.4	0.5	101		1.6
13/02/2018	1.0		0.0			1.8		2.3	107				412		2.9	0.0			5.8			0.1	0.0	0.1	0.4	4.5	0.1	5.0	293	59.7	3.0	22.3	0.3	1.3	81		1.9
8/05/2018	1.0	13.7	0.0	0.0		1.0	0.0	2.2	123	0.0	0.0	0.0	407	0.0	3.0	0.0	29	0.0	5.5	0.1	0.0	0.0	0.1	0.1	0.6	4.5	0.1	1.9	333	60.9	3.3	21.6	0.6	0.4	83	0.0	1.4
14/08/2018	1.8		0.0		2.0	1.5		2.5	103				395		4.1	0.1			5.6			0.1	0.0	0.1	1.0	4.4	0.2	1.8	429	62.1	4.8	18.4	0.9	18.0	81		1.8
13/11/2018	1.0		0.0			1.2		2.5	113				404		3.4	0.0			5.8			0.1	0.0	0.1	0.5	4.6	0.1	1.8	223	59.8	4.2	20.1	0.4	0.4	87		1.8
12/02/2019	9.7		0.0		10.0	1.5		2.5	117				412		3.0	0.0			5.8			0.0	0.0	0.0	0.9	4.6	0.2	2.0	338	59.9	4.0	23.5	0.9	0.8	75		2.2
14/05/2019	1.0	26.7	0.0	0.0		2.4	0.0	2.8	110	0.0	0.0	0.0	395	0.0	3.2	0.1	47	0.0	5.9	0.1	0.0	0.4	0.0	0.4	1.1	4.5	0.5	2.0	245	61.0	5.7	21.2	0.7	0.7	83	0.1	1.7
13/08/2019	2.0		0.0		2.0	2.4		3.1	93				369		4.2	0.0			5.9			1.3	0.0	1.3	2.0	4.5	0.3	1.7	392	54.0	11.0	18.1	0.8	1.5	68		1.7
12/11/2019	1.0		0.0		1.0	1.5		2.7	120				422		2.9	0.1			7.5			0.1	0.0	0.1	1.5	4.6	0.2	2.1	268	57.0	3.7	20.1	1.5	1.0	90		2.3
25/02/2020	1.0		0.0			1.2		2.5	97				377		3.5	0.1			5.1			1.4	0.0	1.4	2.0	4.4	0.4	1.8	269	48.0	9.5	23.5	0.6	1.2	74		1.5
12/05/2020	1.0	26.6	0.0	0.0		3.0	0.0	2.2	120	0.0	0.0	0.0	424	0.0	3.0	0.1	81.0	0.0	5.6	0.2	0.0	0.1	0.0	0.1	0.9	4.4	0.2	1.7	292	59.0	3.6	21.0	0.8	0.5	80	0.1	1.8
11/08/2020	1.0		0.0		1.0	1.0		2.5	9				349		3.4	0.1			4.7			0.6	0.0	0.6	1.8	4.5	0.2	1.5	283	52.0	23.0	18.4	1.2	1.3	86		1.7
10/11/2020	1.0		0.0		1.0	1.5		2.3	110				418		3.3	0.1			5.7			0.1	0.0	0.1	0.5	4.4	0.1	1.8	292	58.0	4.8						

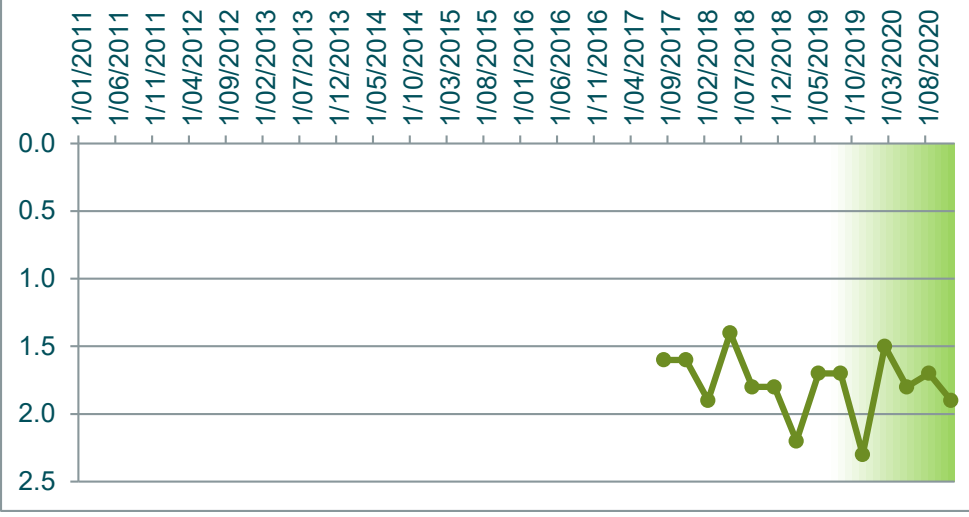




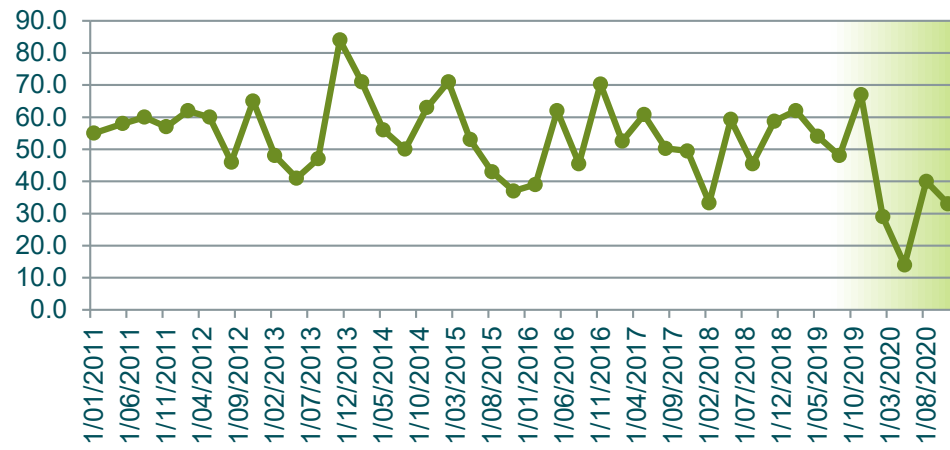




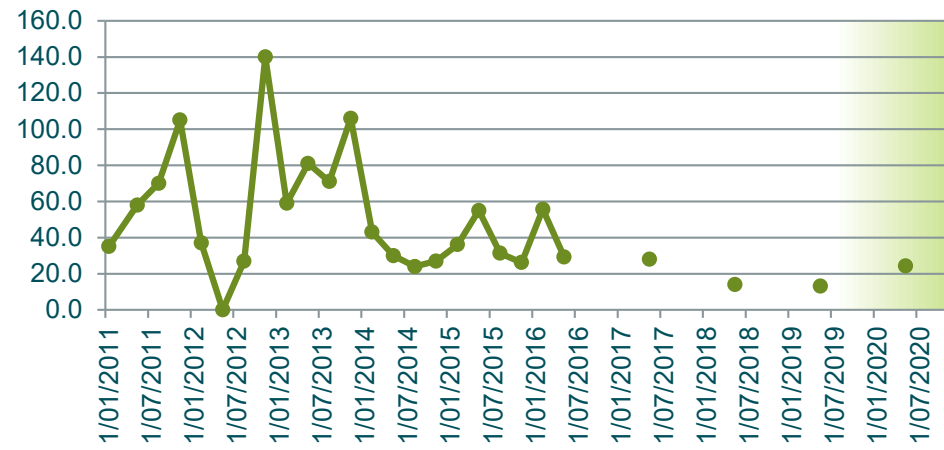
Depth to Groundwater
m



**Alkalinity
mg/L as CaCO3**



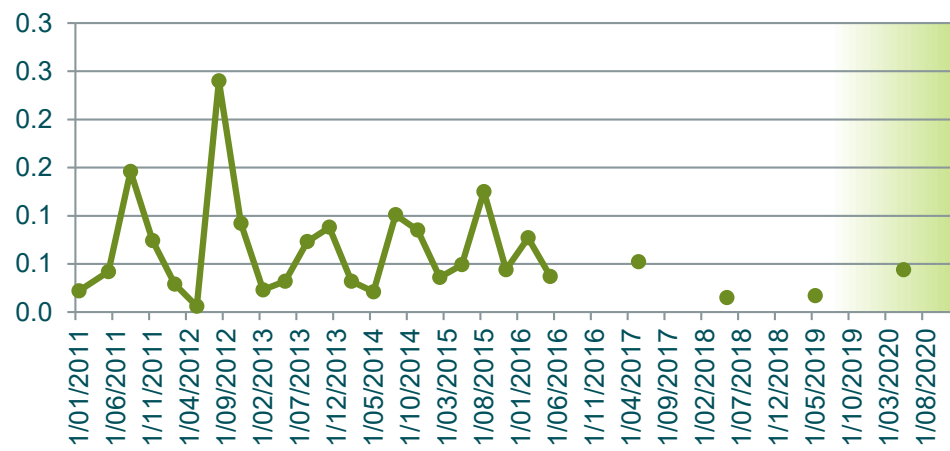
**Aluminium (Total)
mg/L**



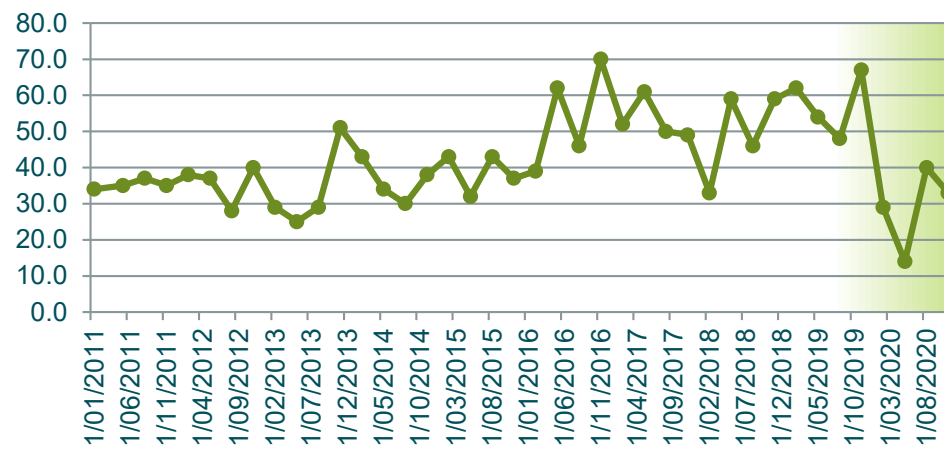
**Ammonia
mg/L**



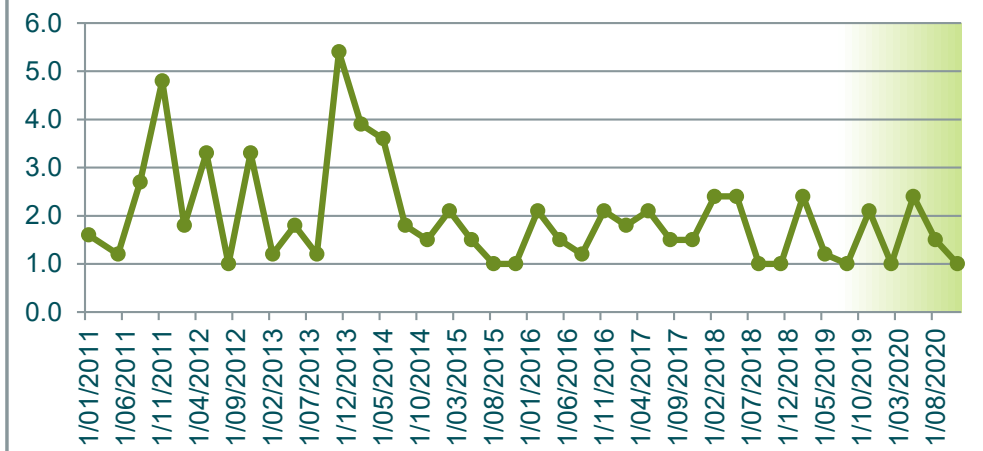
**Arsenic (Total)
mg/L**



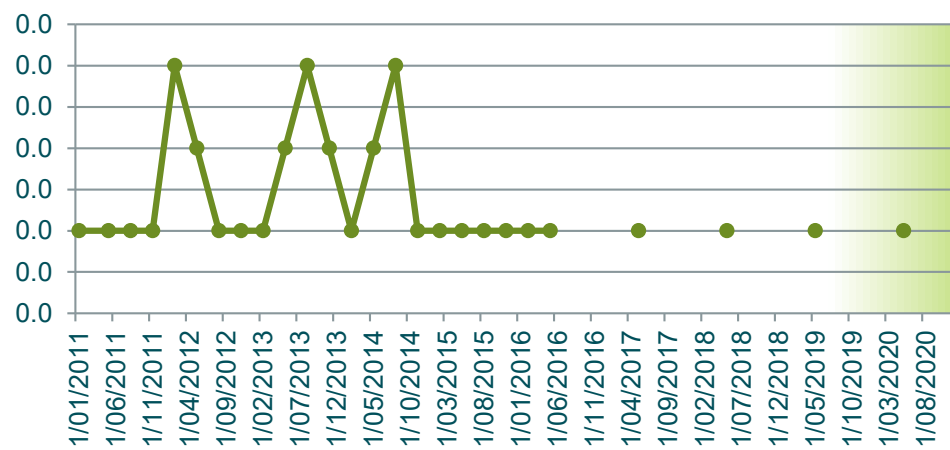
**Bicarbonate HCO3
mg/L**



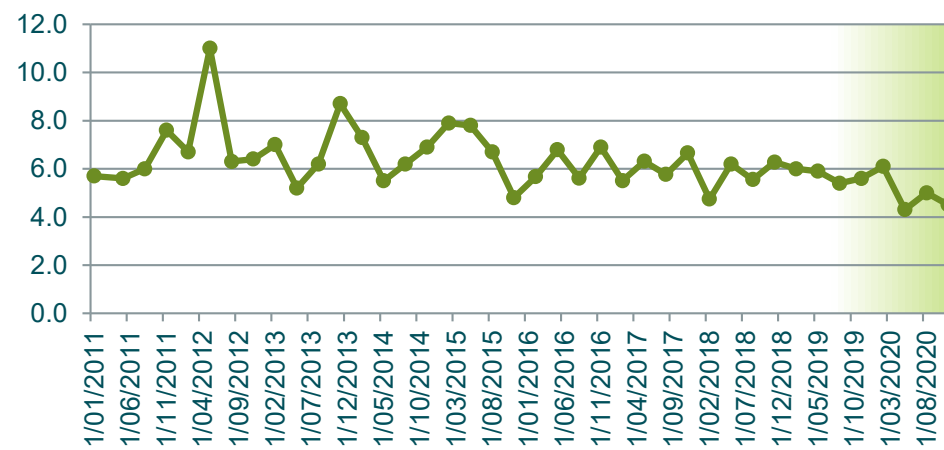
**BOD5
mg/L**



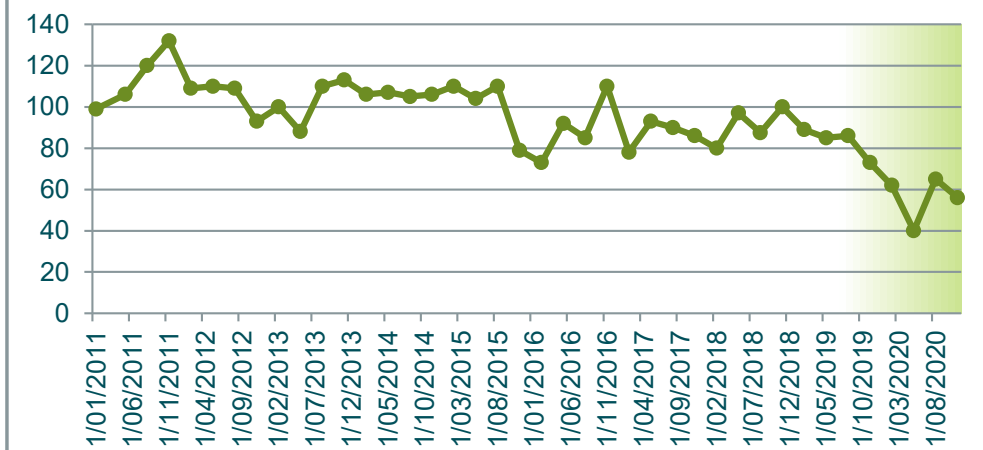
**Cadmium (Total)
mg/L**



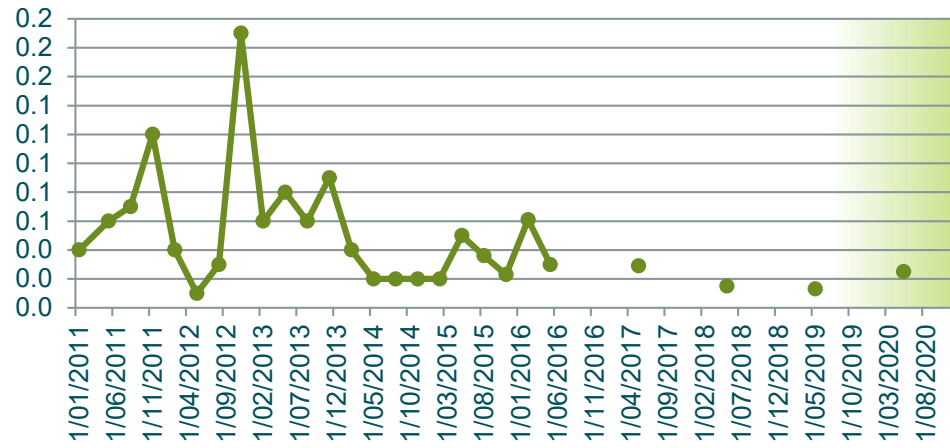
**Calcium (Total)
mg/L**



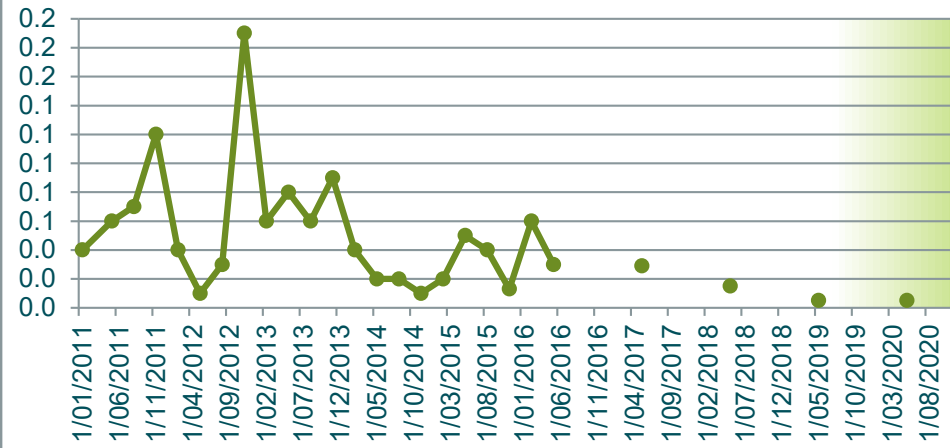
**Chloride
mg/L**



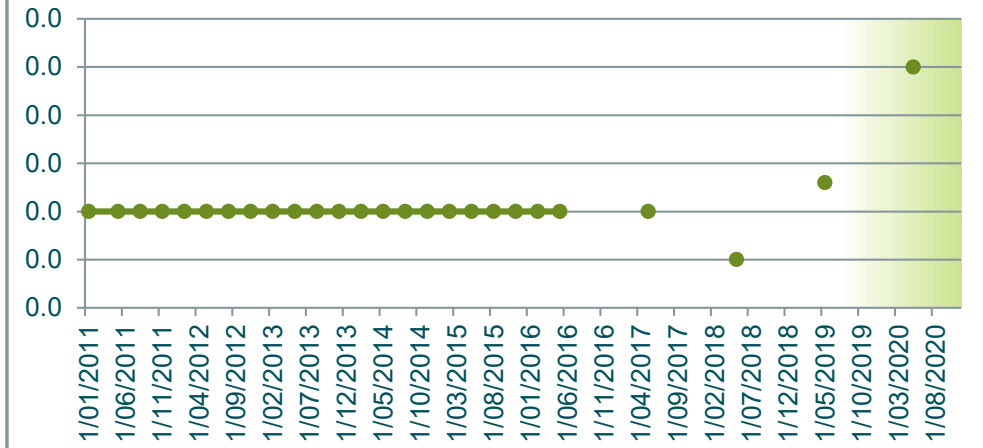
Chromium (Total) mg/L



Chromium 3 mg/L



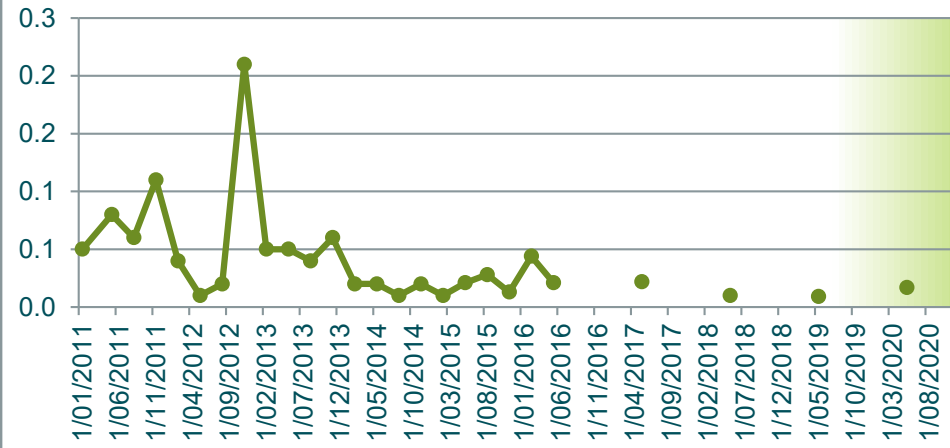
Chromium 6 mg/L



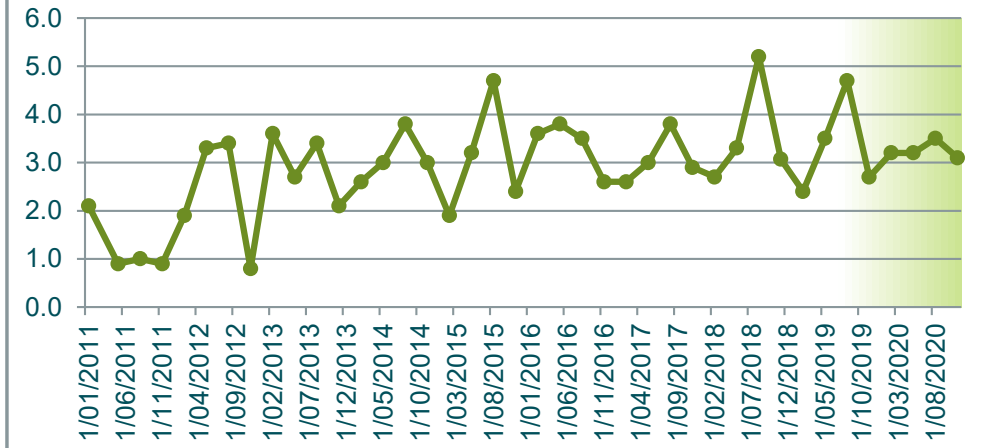
Conductivity µScm-1



Copper (Total) mg/L



DO (Membrane Electrode) mg/L



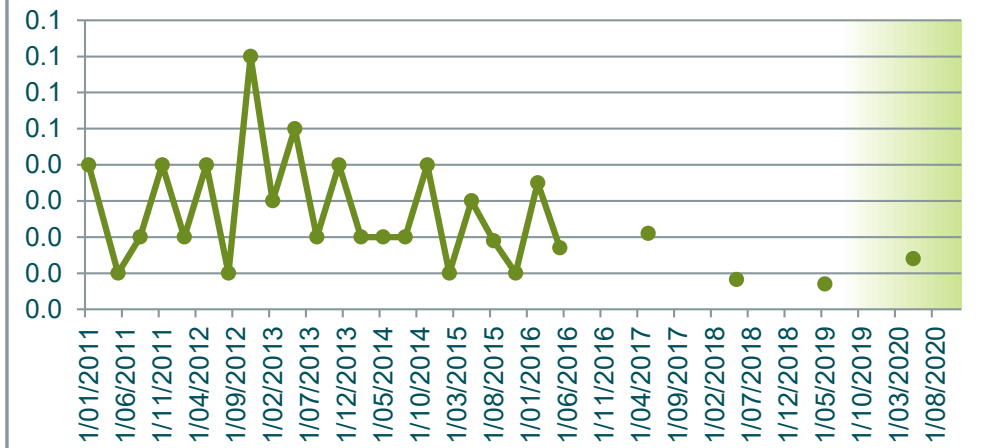
Flouride mg/L



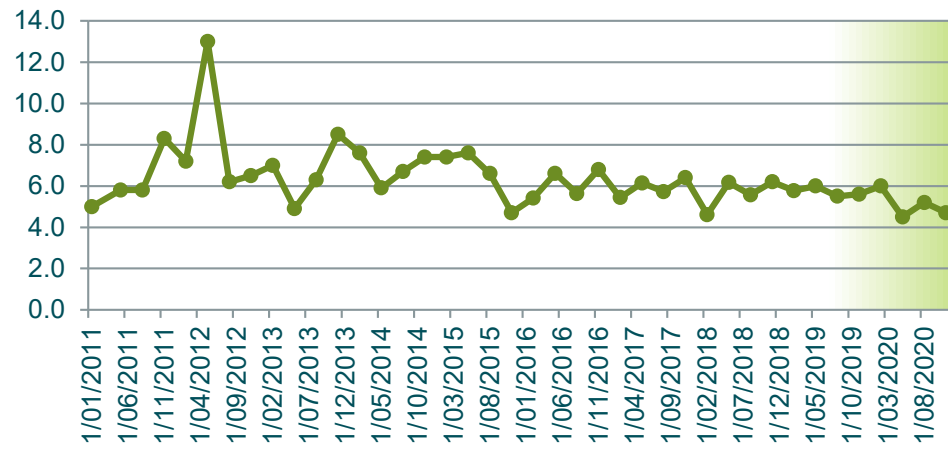
Iron Total mg/L



Lead (Total) mg/L



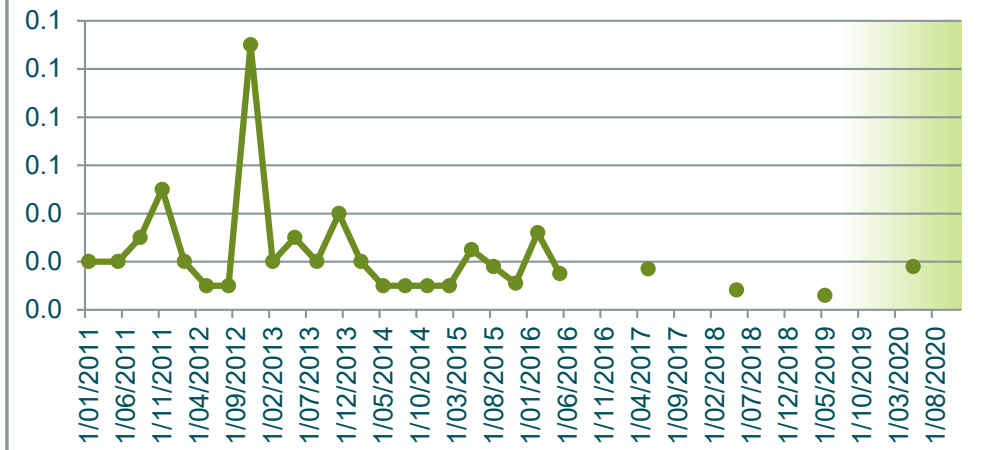
Magnesium (Total) mg/L



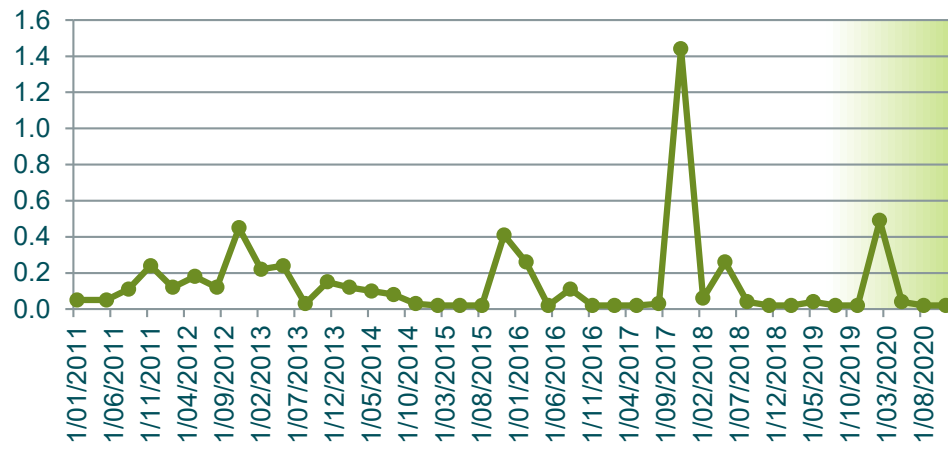
Manganese Total mg/L



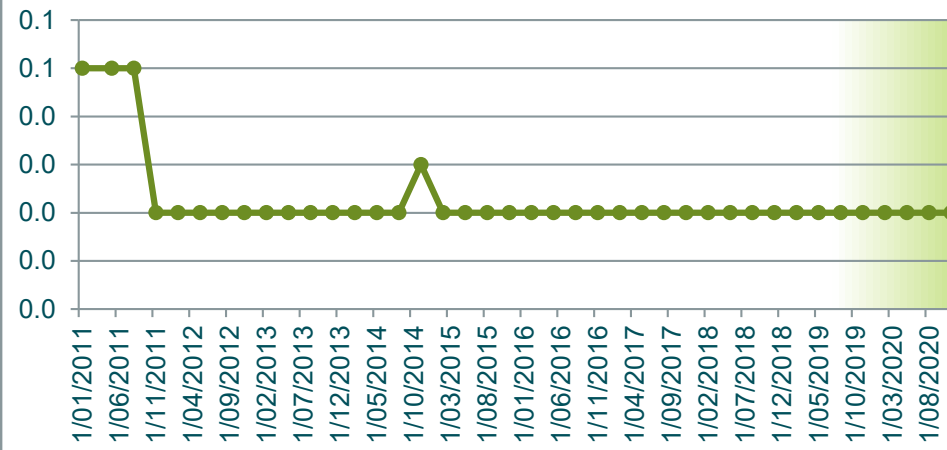
Nickel (Total) mg/L



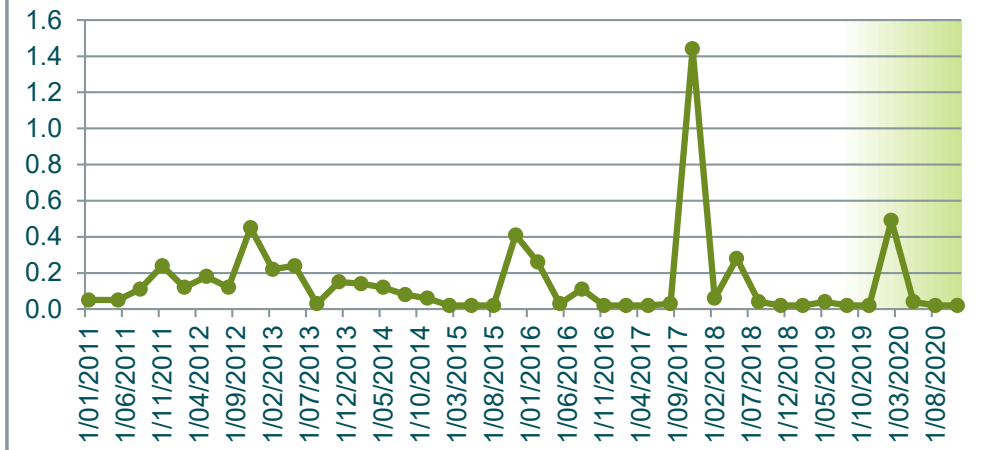
Nitrate N mg/L



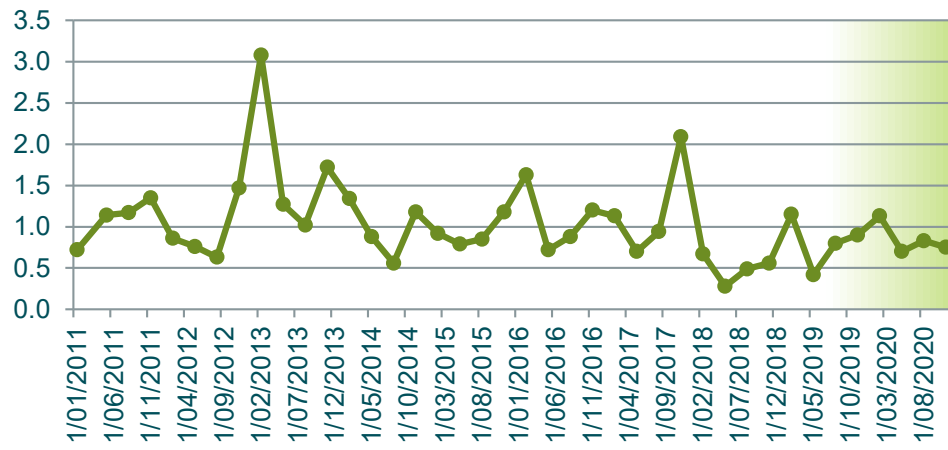
Nitrite N mg/L



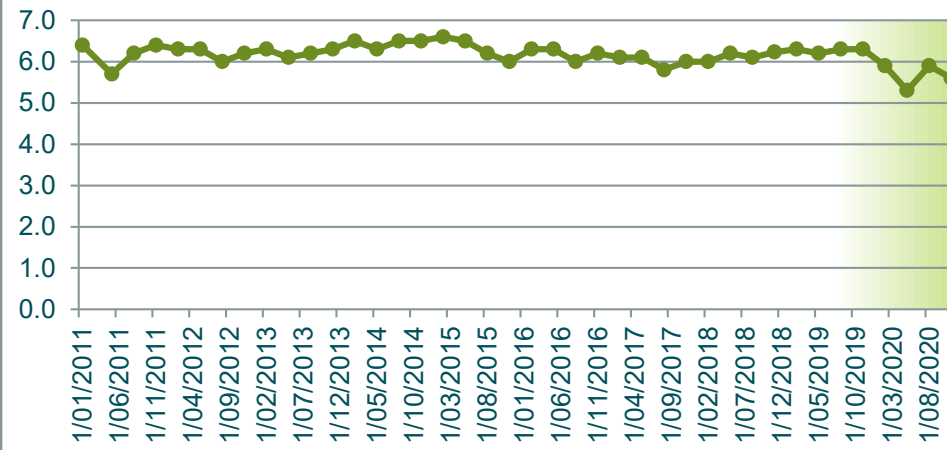
Nitrogen Oxidised mg/L



Nitrogen Total mg/L



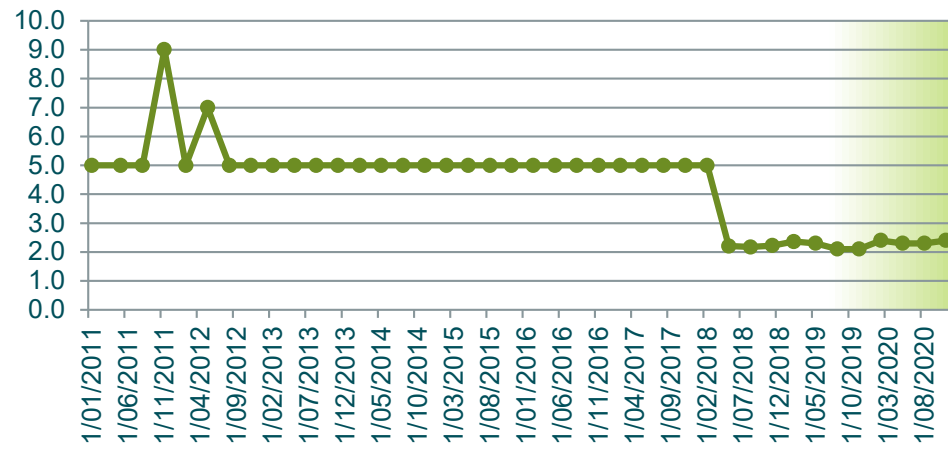
pH pH units



Phosphorus Total mg/L



**Potassium Total
mg/L**



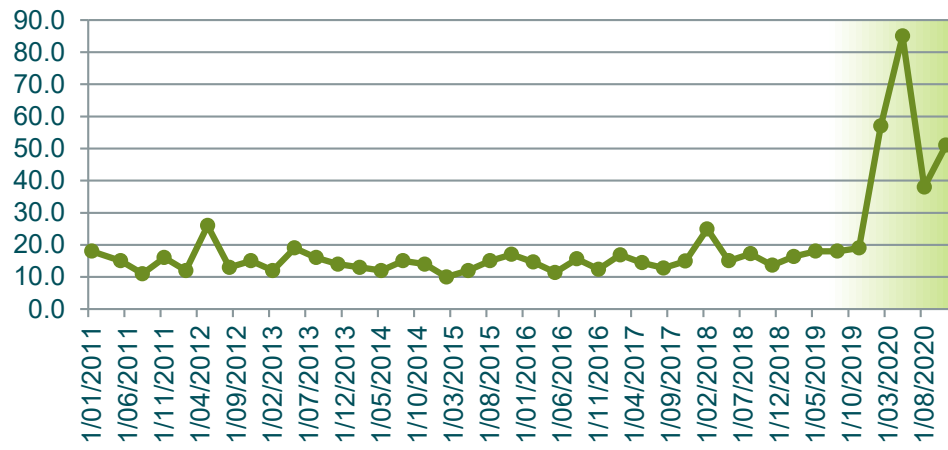
**Redox Potential
mV**



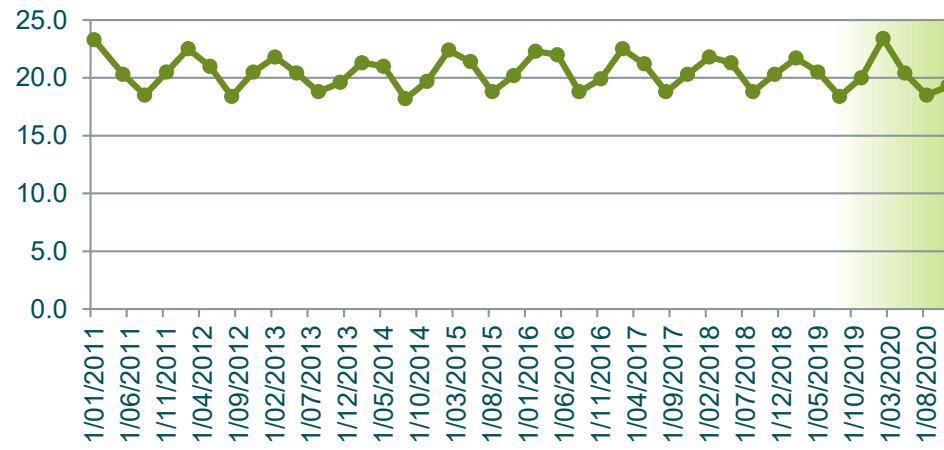
**Sodium (Total)
mg/L**



**Sulphate
mg/L**



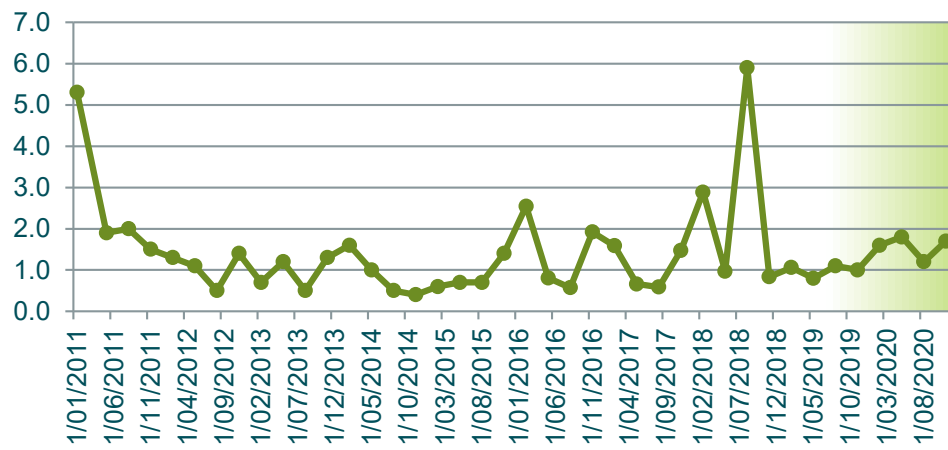
**Temperature
C**



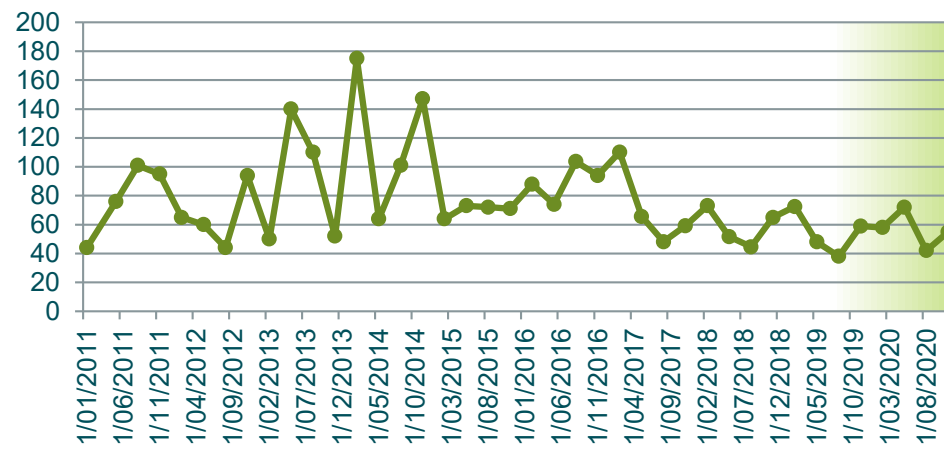
**TKN
mg/L**



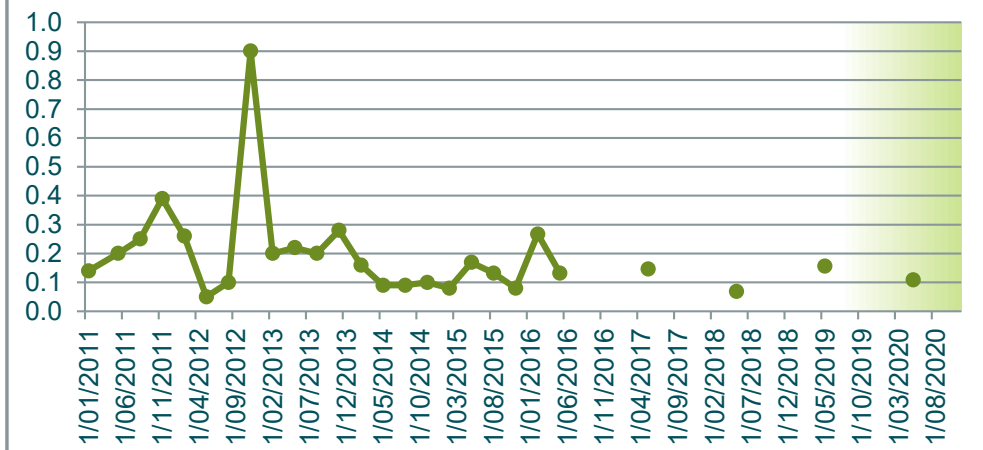
**TOC
mg/L**



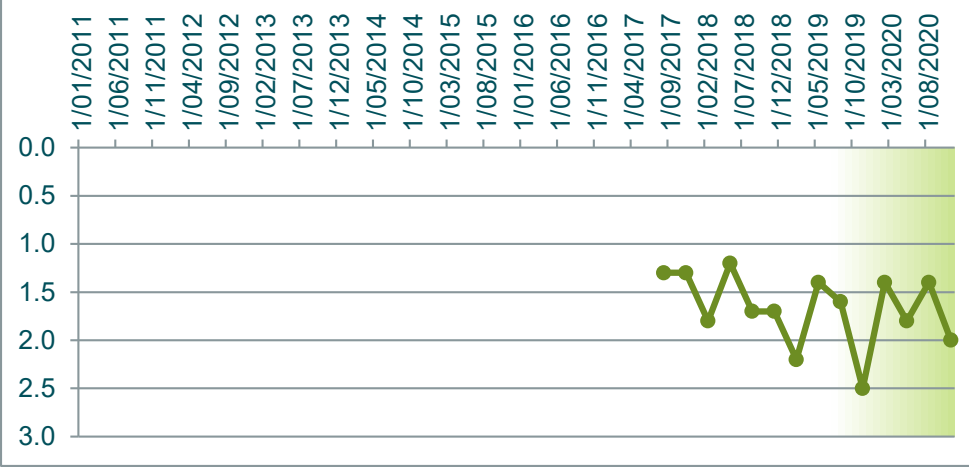
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**



Depth to Groundwater m

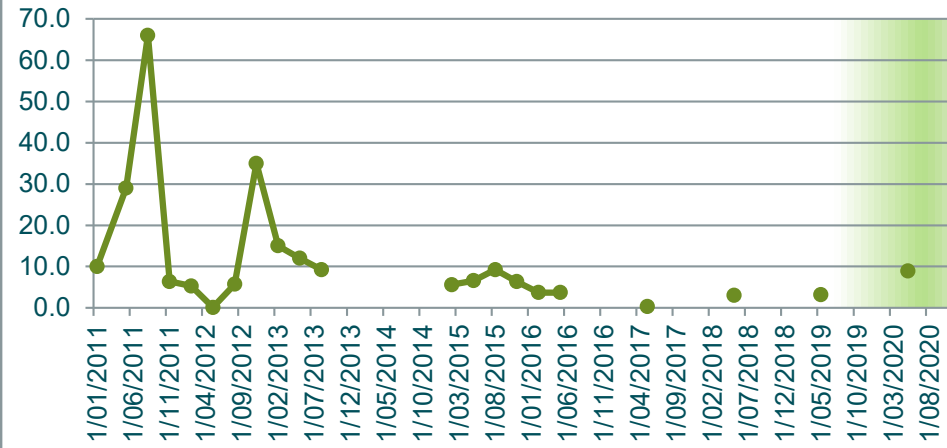


GW9	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m		
31/01/2011	16.0	10.0	0.1	0.0	10.0	6.6	0.0	11	185	0.0	0.0	0.0	639	0.0	2.4	0.0	13.0	0.0	8.8	0.4	0.0	0.1	0.1	0.1	0.4	5.5	0.2	5.0	103	67	38	23.0	0.4	6.1	56	0.1			
10/05/2011	11.0	29.0	0.1	0.0	7.0	2.1	0.0	20	324	0.0	0.0	0.0	1216	0.1	3.0	0.0	25.0	0.1	21.0	0.8	0.0	0.1	0.1	0.1	1.0	5.0	0.2	5.0	100	155	42	21.1	1.0	3.7	52	0.1			
9/08/2011	18.0	66.0	0.1	0.0	11.0	3.3	0.0	11	140	0.0	0.0	0.0	680	0.1	3.0	0.1	51.0	0.1	10.0	0.4	0.0	0.1	0.1	0.1	0.9	5.8	0.2	5.0	240	82	50	18.9	0.9	7.6	108	0.1			
8/11/2011	19.0	6.4	0.0	0.0	12.0	5.7	0.0	13	150	0.0	0.0	0.0	576	0.0	2.7	0.1	13.0	0.0	11.0	0.3	0.0	0.0	0.0	0.2	5.6	0.1	7.0	95	59	65	21.9	0.2	3.7	81	0.1				
6/02/2012	17.0	5.3	0.0	0.0	10.0	3.0	0.0	13	159	0.0	0.0	0.0	679	0.0	2.2	0.0	5.9	0.0	12.0	0.4	0.0	0.0	0.0	0.1	0.3	5.3	0.1	5.0	146	98	54	22.4	0.3	2.7	68	0.1			
8/05/2012	20.0	0.1	0.1	0.0	12.0	2.7	0.0	20	270	0.0	0.0	0.0	1101	0.0	3.8	0.1	4.2	0.0	23.0	0.4	0.0	0.1	0.0	0.1	0.6	6.0	0.1	5.0	256	154	45	21.4	0.5	5.9	68	0.0			
6/08/2012	21.0	5.7	0.0	0.0	13.0	2.1	0.0	18	252	0.0	0.0	0.0	990	0.0	2.6	0.0	14.0	0.0	18.0	0.7	0.0	0.0	0.0	0.0	0.4	5.4	0.2	5.0	186	108	49	19.5	0.4	3.5	64	0.0			
13/11/2012	69.0	35.0	0.1	0.0	42.0	2.1	0.0	11	160	0.0	0.0	0.0	854	0.1	4.0	0.1	37.0	0.1	16.0	0.9	0.0	0.1	0.0	0.1	0.9	6.2	0.4	5.0	19	112	48	20.9	0.8	4.1	94	0.2			
13/02/2013	13.0	15.0	0.0	0.0	8.0	1.2	0.0	35	450	0.0	0.0	0.0	1705	0.0	2.9	0.1	14.0	0.0	34.0	1.7	0.0	0.3	0.0	0.3	0.8	5.3	0.1	5.0	65	206	60	21.5	0.5	6.3	71	0.1			
14/05/2013	19.0	12.0	0.1	0.0	12.0	3.0	0.0	26	320	0.0	0.0	0.0	1218	0.0	2.8	0.0	11.0	0.0	23.0	1.1	0.0	0.1	0.0	0.1	0.6	5.5	0.0	5.0	4	159	60	21.2	0.5	4.1	149	0.1			
6/08/2013	16.0	9.3	0.0	0.0	10.0	2.1	0.0	28	340	0.0	0.0	0.0	1226	0.0	3.4	0.0	14.0	0.0	25.0	1.0	0.0	0.0	0.0	0.0	0.5	5.4	0.2	5.0	59	171	74	18.7	0.5	3.8	143	0.0			
12/11/2013																																							
11/02/2014																																							
13/05/2014																																							
12/08/2014																																							
10/11/2014																																							
9/02/2015	12.0	5.6	0.0	0.0	7.0	3.3	0.0	30	520	0.0	0.0	0.0	1754	0.0	1.7	0.0	6.7	0.0	30.0	1.3	0.0	0.0	0.0	0.0	1.0	5.4	0.1	5.0	46	216	64	23.3	1.0	5.3	94	0.1			
11/05/2015	13.0	6.6	0.0	0.0	8.0	4.5	0.0	28	375	0.0	0.0	0.0	1363	0.0	3.5	0.1	6.2	0.0	27.0	1.1	0.0	0.0	0.0	0.0	0.7	5.3	0.1	5.0	66	203	62	21.7	0.7	5.5	91	0.1			
11/08/2015	9.0	9.2	0.0	0.0	9.0	3.0	0.0	45	610	0.0	0.0	0.0	2090	0.0	3.7	0.0	11.7	0.0	43.0	1.7	0.0	0.1	0.0	0.1	1.1	5.2	0.1	5.0	124	296	94	18.8	1.0	7.0	128	0.1			
10/11/2015	4.0	6.3	0.0	0.0	4.0	1.0	0.0	57	820	0.0	0.0	0.0	2620	0.0	4.1	0.1	4.2	0.0	58.0	0.9	0.0	0.0	0.0	0.0	0.6	4.8	0.1	5.0	132	346	83	19.9	0.6	9.4	72	0.1			
8/02/2016	27.0	3.7	0.0	0.0	27.0	1.0	0.0	14	190	0.0	0.0	0.0	826	0.0	3.3	0.0	5.4	0.0	13.3	0.6	0.0	0.1	0.0	0.1	0.6	5.7	0.2	5.0	98	120	63	22.1	0.5	4.8	128	0.1			
9/05/2016	15.0	3.7	0.0	0.0	15.0	7.8	0.0	38	530	0.0	0.0	0.0	1868	0.0	3.1	0.0	7.4	0.0	37.6	1.6	0.0	0.1	0.0	0.1	0.8	5.4	0.1	5.0	102	256	72	22.7	0.8	9.5	120	0.1			
9/08/2016	10.6		0.0		11.0	1.2		48	660				2325		3.3	0.1			49.3			0.1	0.0	0.1	0.5	5.0	0.0	5.0	43	315	91	19.3	0.4	5.5	168				
7/11/2016	25.4		0.0		25.0	1.8		14	194				827		3.2	0.0			13.2			0.0	0.0	0.0	0.5	5.5	0.1	5.0	335	131	69	20.3	0.5	3.6	108				
7/02/2017	30.5		0.0		30.0	1.0		6	80				493		3.5	0.0			5.9			0.0	0.0	0.0	0.4	5.6	0.1	5.0	193	77	63	22.1	0.3	2.4	143				
8/05/2017	11.6	0.3	0.1	0.0	12.0	1.2	0.0	61	860	0.0	0.0	0.0	2886	0.0	3.4	0.0	0.8	0.0	62.1	0.3	0.0	0.0	0.0	0.0	0.7	5.0	0.0	5.0	194	362	101	21.7	0.7	7.7	101	0.0			
8/08/2017	9.1		0.0		9.0	1.5		50	675				2447		3.4	0.0			49.4			0.1	0.0	0.1	1.0	5.0	0.1	5.0	270	323	79	19.4	0.9	7.6	91		2.2		
7/11/2017	18.0		0.0		18.0	4.2		28	425				1524		3.9	0.0			26.2			0.1	0.0	0.1	0.6	5.3	0.1	5.0	290	203	68	20.6	0.5	4.0	78		2.5		
13/02/2018	24.3		0.0		24.0	2.1		13	198				884		3.8	0.0			12.7			0.0	0.0	0.0	0.4	5.6	0.1	5.0	138	133	73	22.3	0.4	4.0	95		3.2		
8/05/2018	21.5	3.0	0.1	0.0	21.0	2.1	0.0	75	1070	0.0	0.0	0.0	3513	0.0	3.3	0.1	13.1	0.0	77.1	3.1	0.0	0.0	0.0	0.1	5.3	0.0	2.7	94	478	109	21.9	0.1	10.7	132	0.1	2.2			
14/08/2018	17.7		0.0		18.0	1.8		33	450				1671		4.3	0.1			31.0			0.1	0.0	0.1	0.6	5.3	0.1	2.3	406	267	82	19.5	0.6	10.0	83		3.1		
13/11/2018	11.3		0.0		11.0	1.2		123	910				3080		3.2	0.1			117.7			0.0	0.0	0.0	0.5	5.2	0.0	4.4	177	721	222	20.3	0.5	8.2	89		2.6		
12/02/2019																																							
14/05/2019	20.0	3.2	0.0	0.0	20.0	4.5	0.0	28	370	0.0	0.0	0.0	1406	0.0	3.0	0.0	4.1	0.0	27.0	0.9	0.0	0.0	0.0	0.0	0.5	5.4	0.1	2.1	156	228	90	21.4	0.5	5.0	88	0.1	2.7		
13/08/2019	20.0		0.0		20.0	5.1		33	420				1574		4.0	0.0			31.0			0.0	0.0	0.0	0.3	5.4	0.1	2.1	383	234	93	19.4	0.3	6.0	80		2.8		
12/11/2019																																							
25/02/2020	8.0		0.0		8.0	5.1		58.0	870.0				2930.0		2.7	0.1			59.0			0.0	0.0	0.0	0.7	4.9	0.1	3.3	94.5	382.0	84.0	23.0	0.7	8.0	95.0		1.6		
12/05/2020	19.0	8.9	0.1	0.0	19.0	3.9	0.0	31.0	560.0	0.0	0.0	0.0	1876.0	0.0	2.9	0.1	10.4	0.0	32.0	1.7	0.0	0.0	0.0	0.0	0.9	5.3	0.1	2.3	90.9	260.0	65.0	21.1	0.9	6.2	86.0	0.1	2.7		
11/08/2020	7.0		0.0		7.0	1.0		93.0	1220.0				4068.0		3.4	0.1			91.0			0.0	0.0	0.0	0.8	4.9	0.1	3.1	184.8	569.0	157.0	18.8	0.8	11.0	70.0		2.0		
10/11/2020	23.0		0.0		23.0	1.0		11.0	220.0				871.0		3.2	0.1			11.0			0.0	0.0	0.0	0.4	5.5	0.1	1.6	219.1	131.0	58.0	19.7	0.4	3.4	64.0		2.9		
2020 Min	7.0	8.9	0.0	0.0	7.0	1.0	0.0	11.0	220.0	0.0	0.0	0.0	871.0	0.0	2.7	0.1	10.4	0.0	11.0	1.7	0.0	0.0	0.0	0.4	4.9	0.1	1.6	90.9	131.0	58.0	18.8	0.4	3.4	64.0	0.1	1.6			
2020 Max	23.0	8.9	0.1	0.0	23.0	5.1	0.0	93.0	1220.0	0.0	0.0	0.0	4068.0	0.0	3.4	0.1	10.4	0.0	91.0	1.7																			

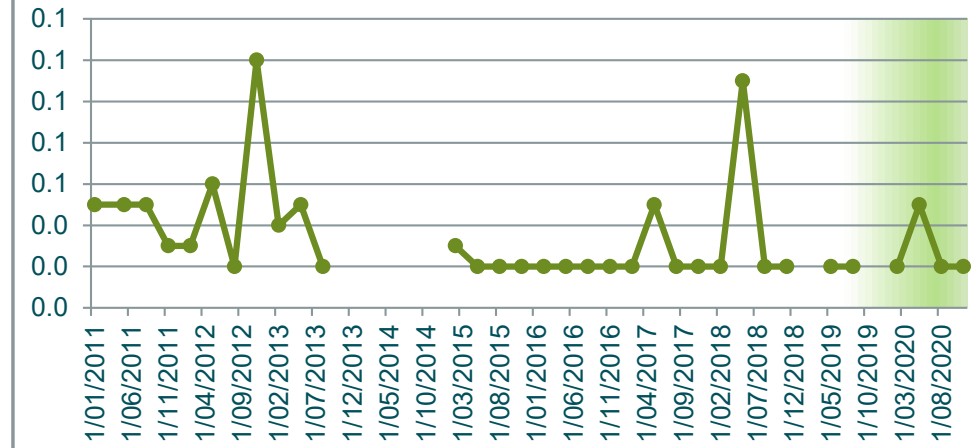
Alkalinity
mg/L as CaCO3



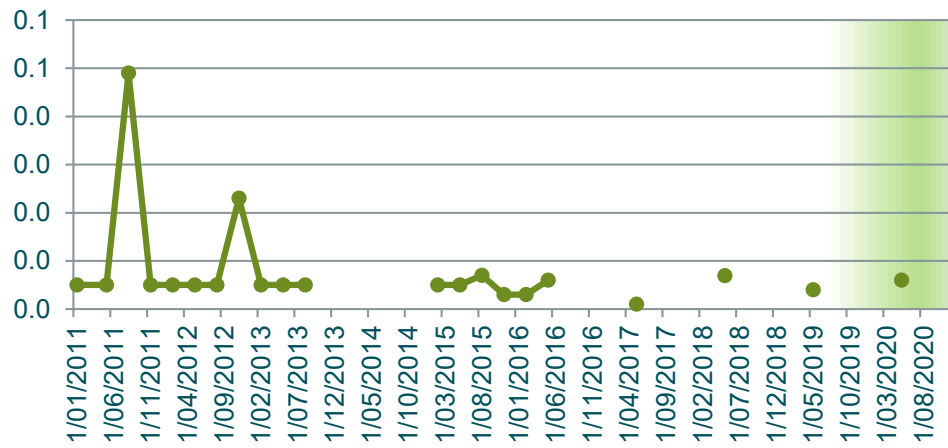
Aluminium (Total)
mg/L



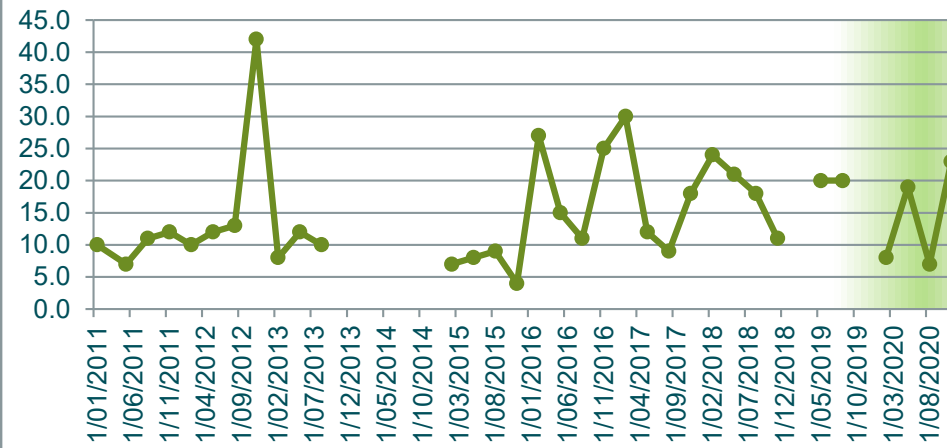
Ammonia
mg/L



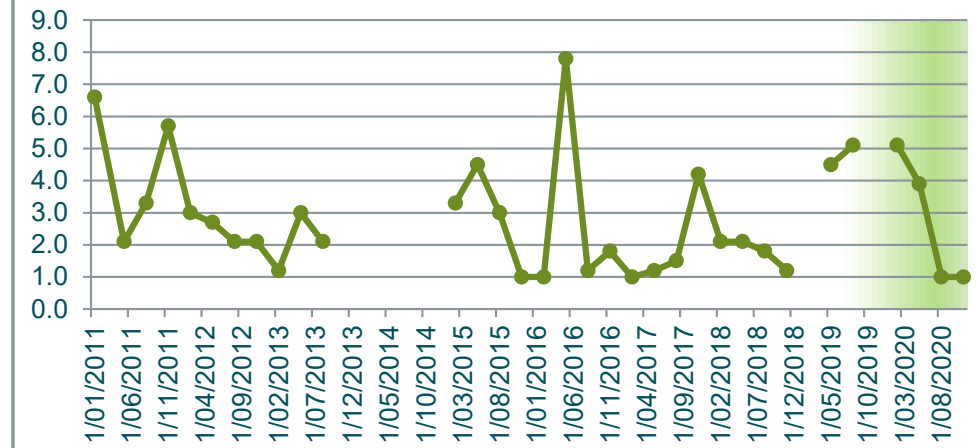
Arsenic (Total)
mg/L



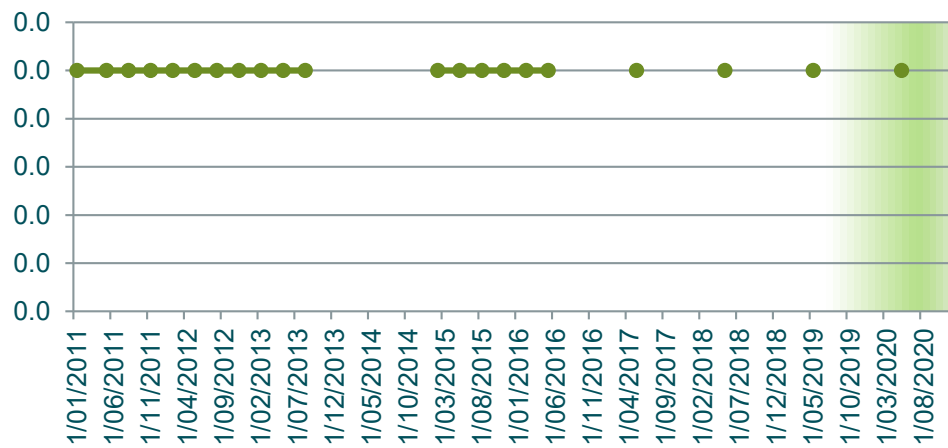
Bicarbonate HCO3
mg/L



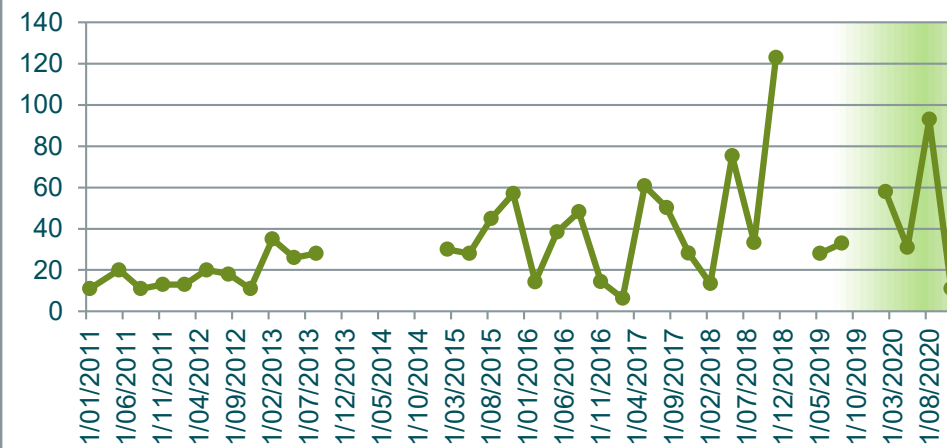
BOD5
mg/L



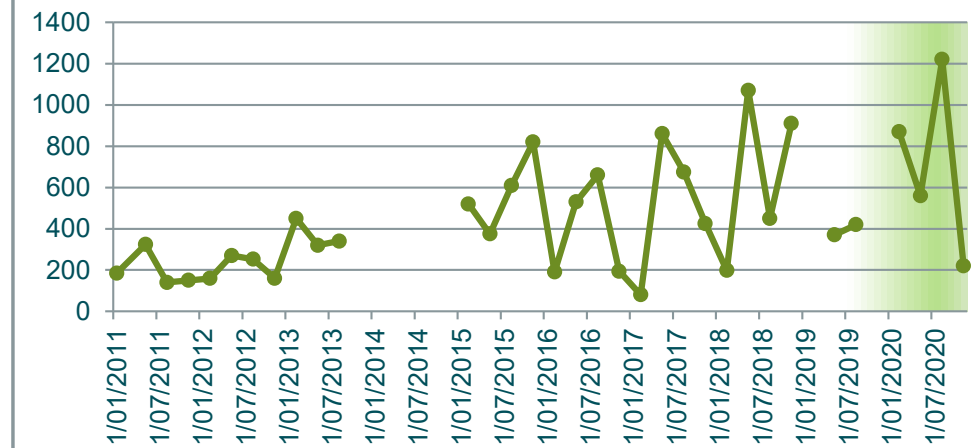
Cadmium (Total)
mg/L



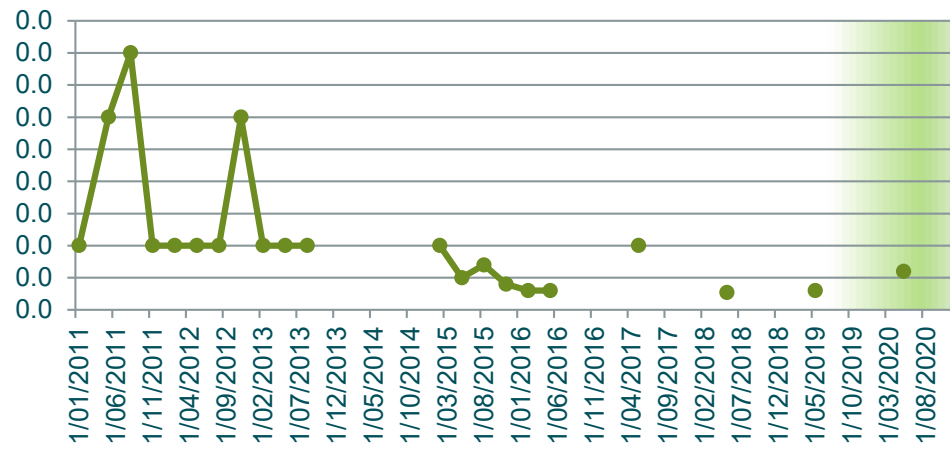
Calcium (Total)
mg/L



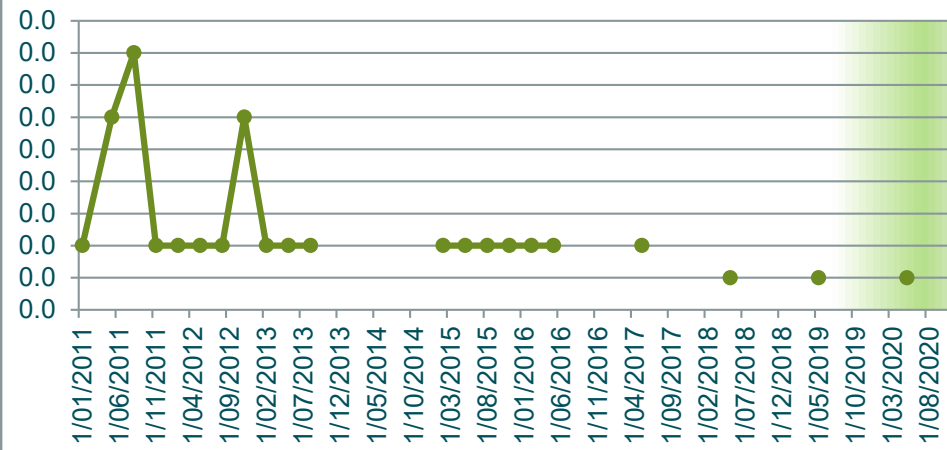
Chloride
mg/L



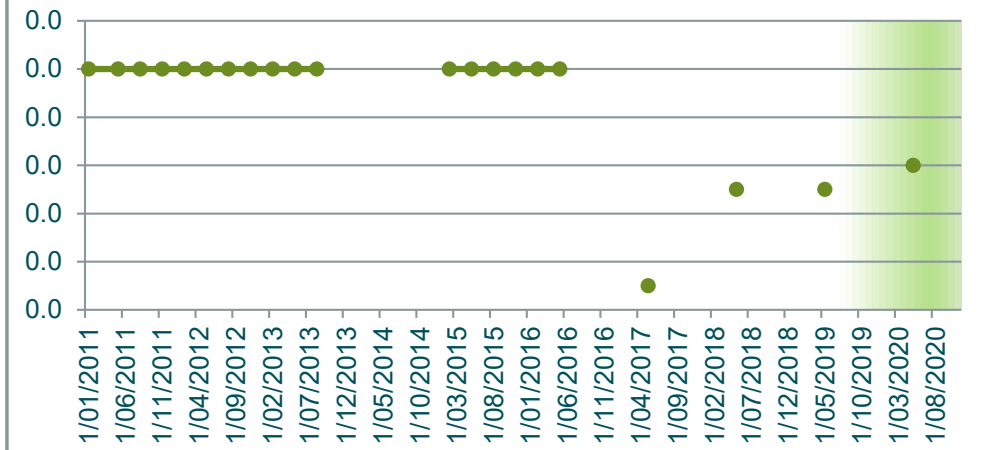
Chromium (Total) mg/L



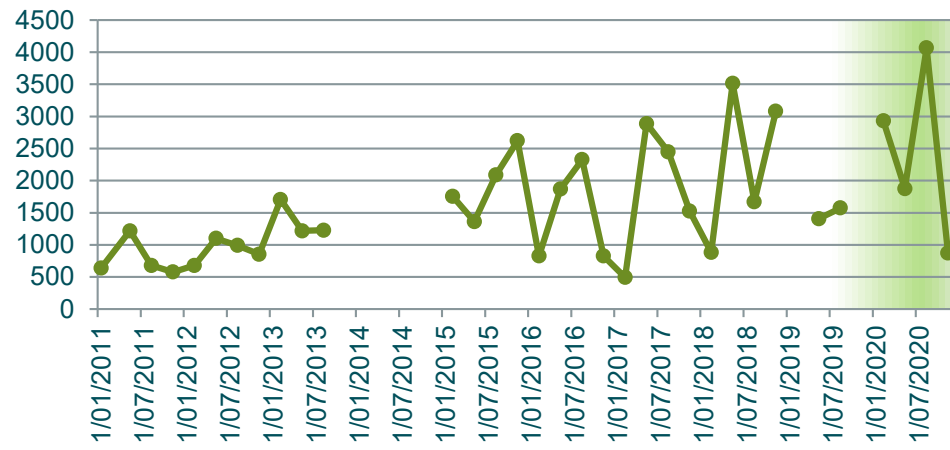
Chromium 3 mg/L



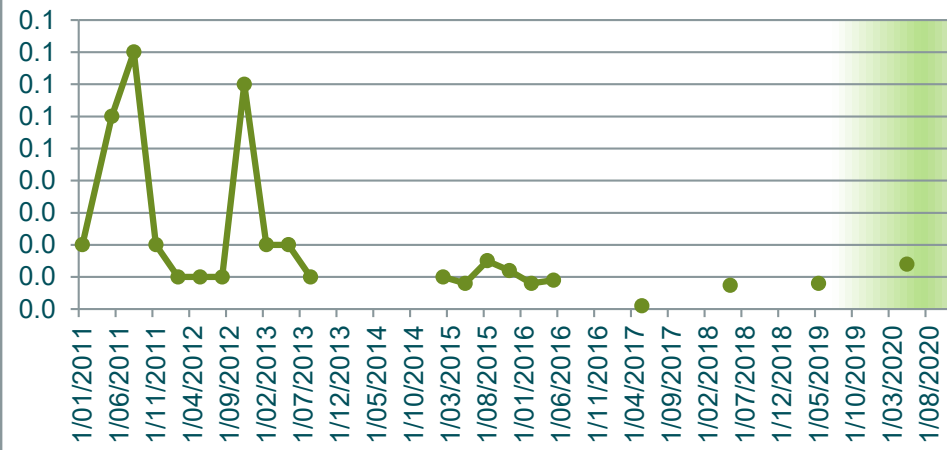
Chromium 6 mg/L



Conductivity µScm-1



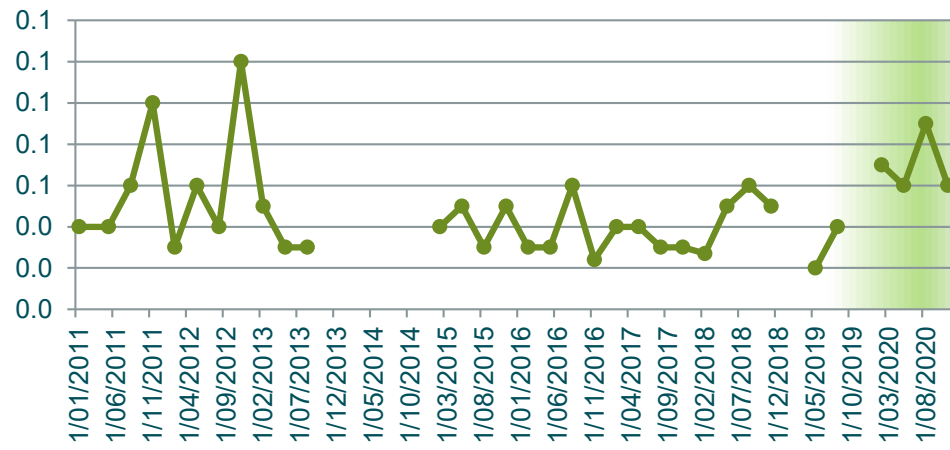
Copper (Total) mg/L



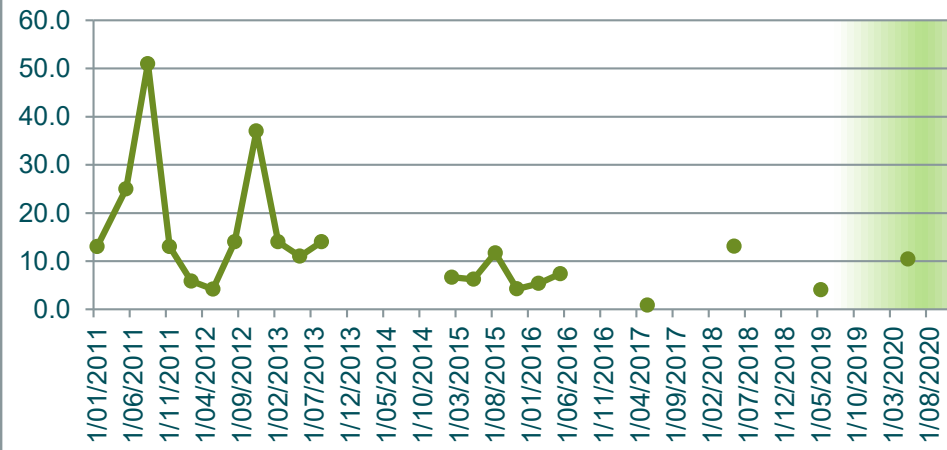
DO (Membrane Electrode) mg/L



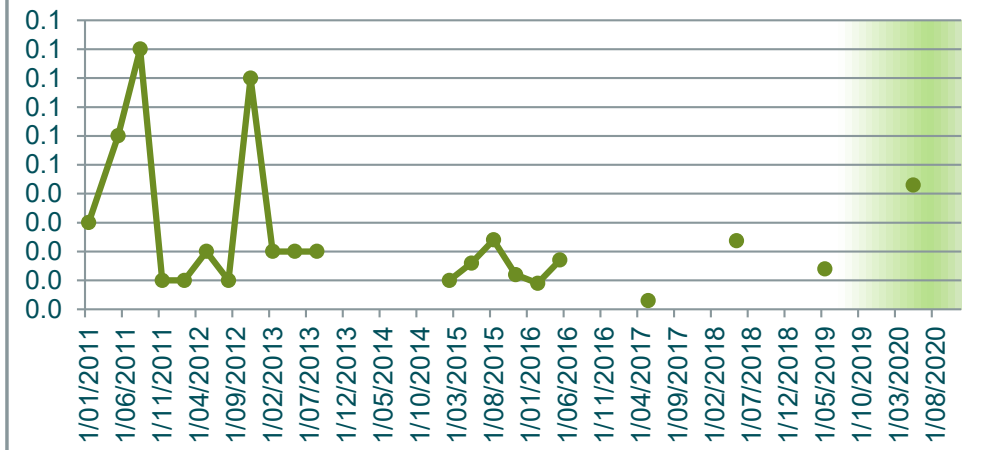
Flouride mg/L



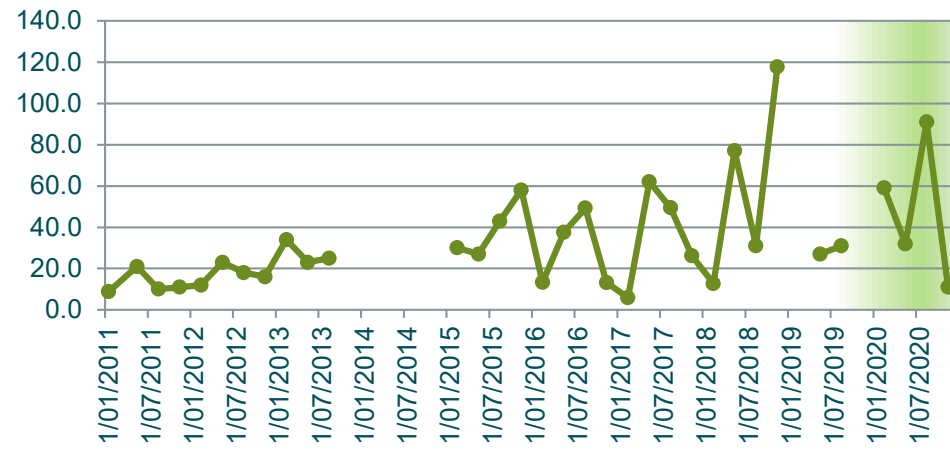
Iron Total mg/L



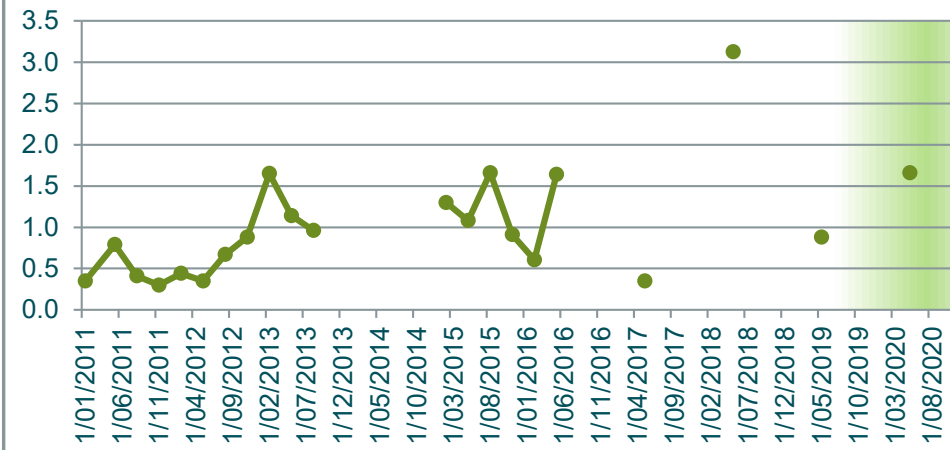
Lead (Total) mg/L



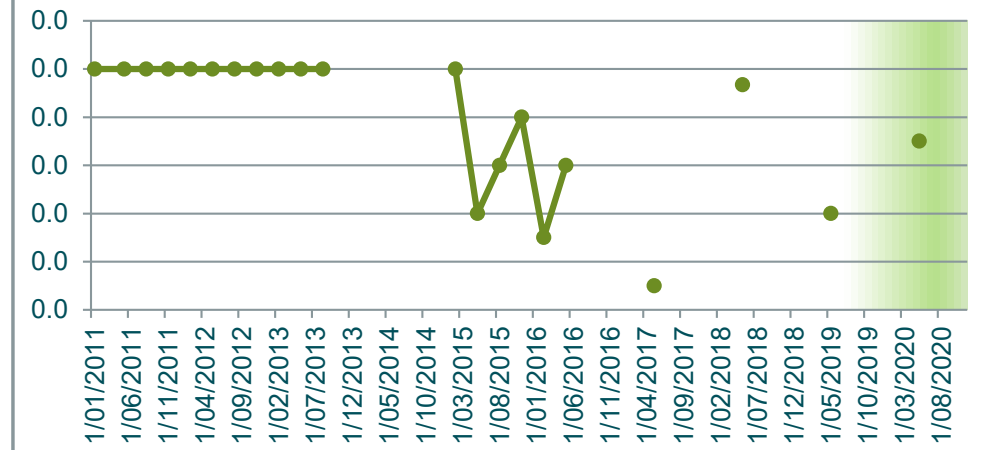
Magnesium (Total) mg/L



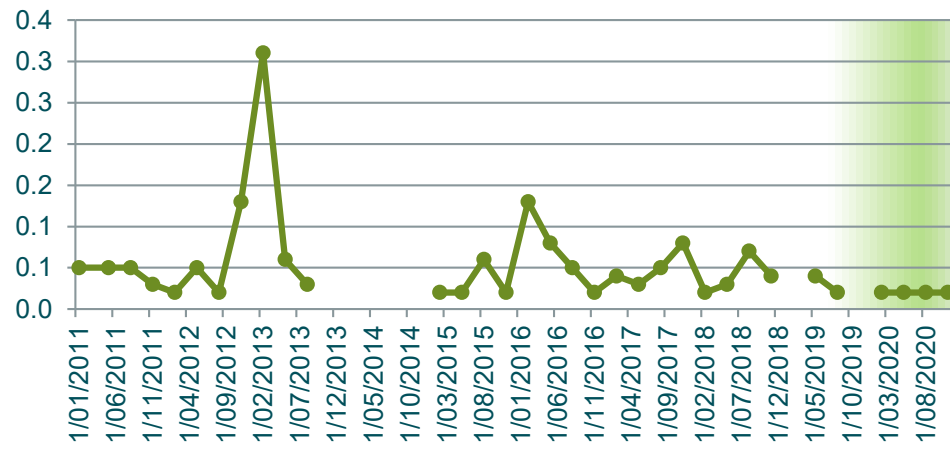
Manganese Total mg/L



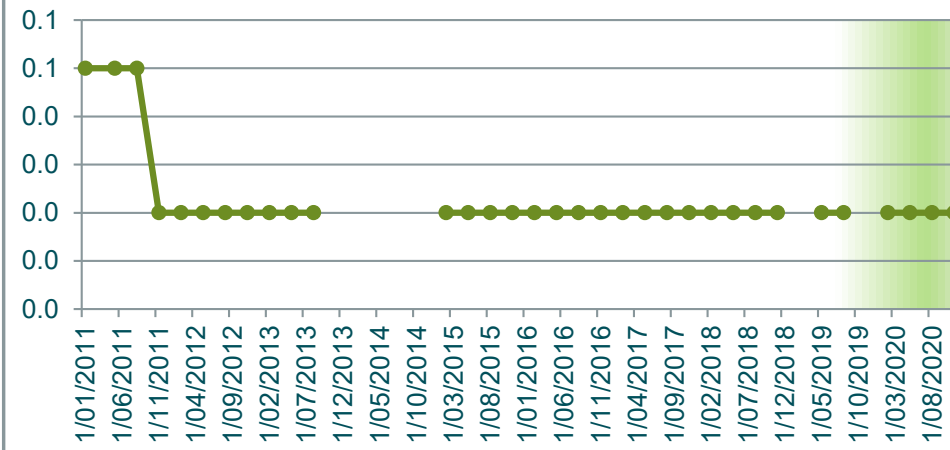
Nickel (Total) mg/L



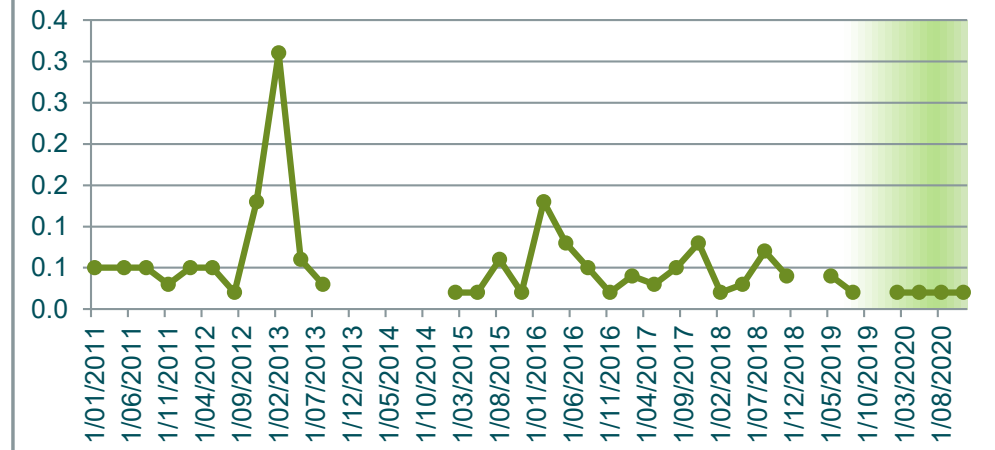
Nitrate N mg/L



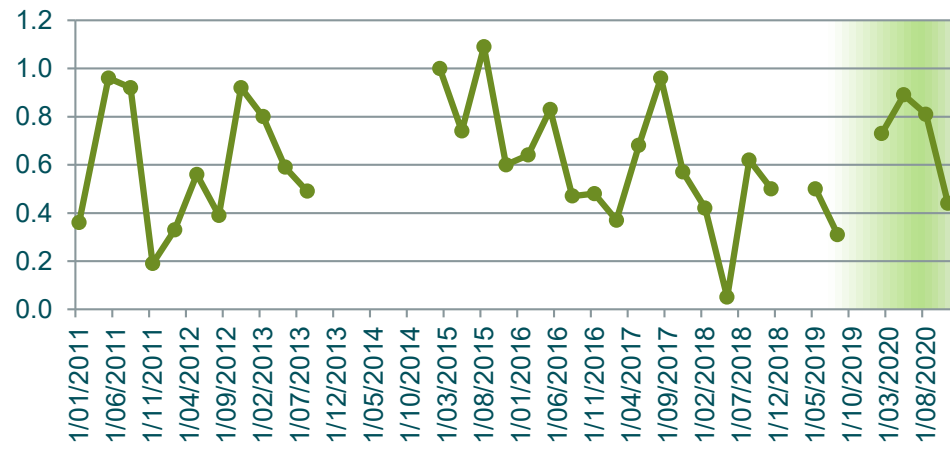
Nitrite N mg/L



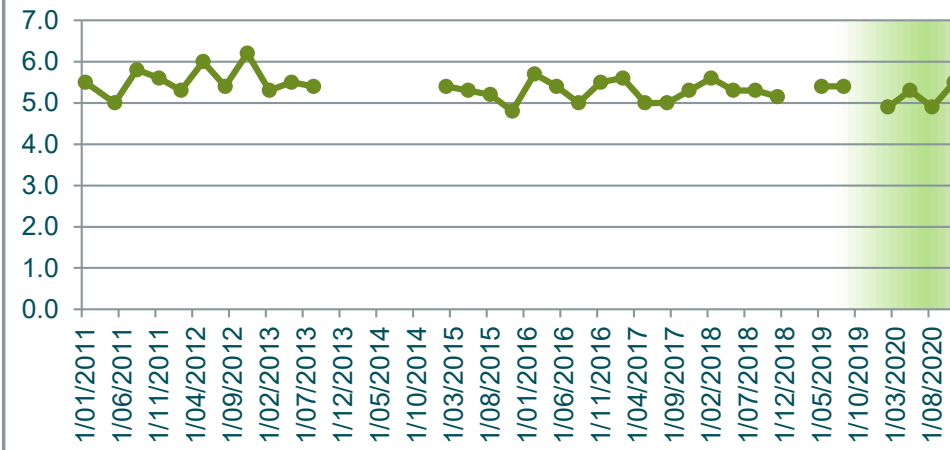
Nitrogen Oxidised mg/L



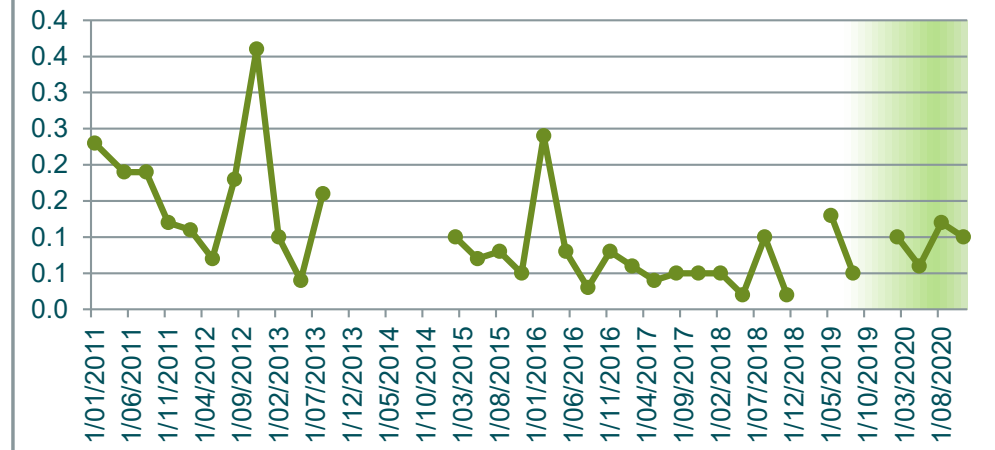
Nitrogen Total mg/L



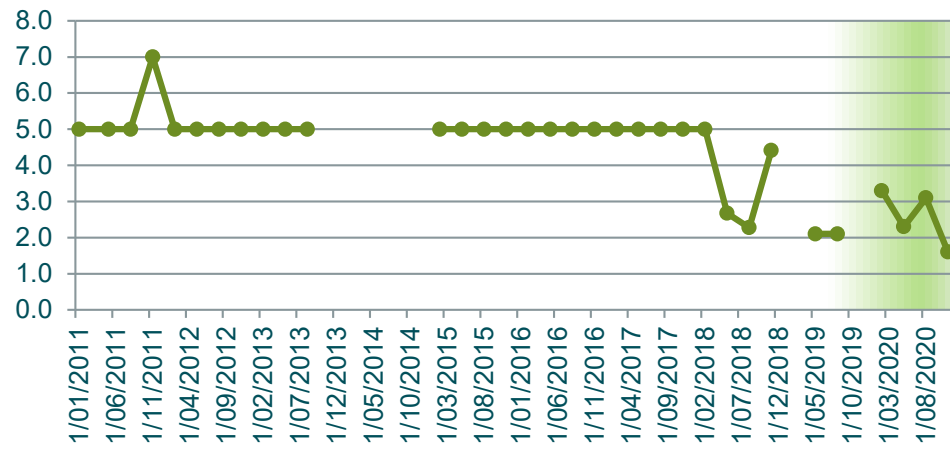
pH pH units



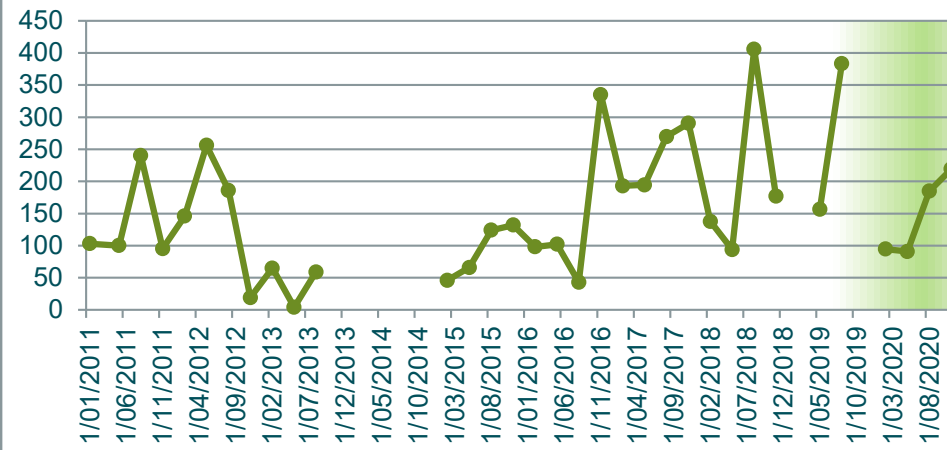
Phosphorus Total mg/L



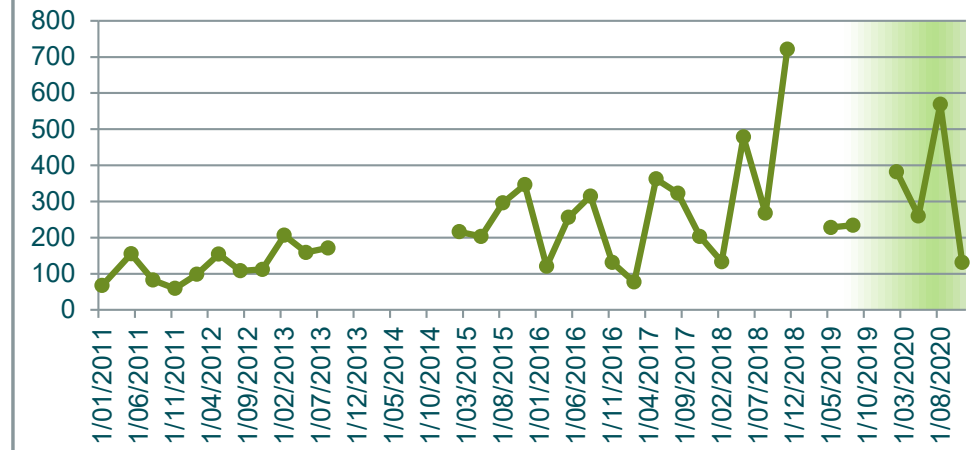
**Potassium Total
mg/L**



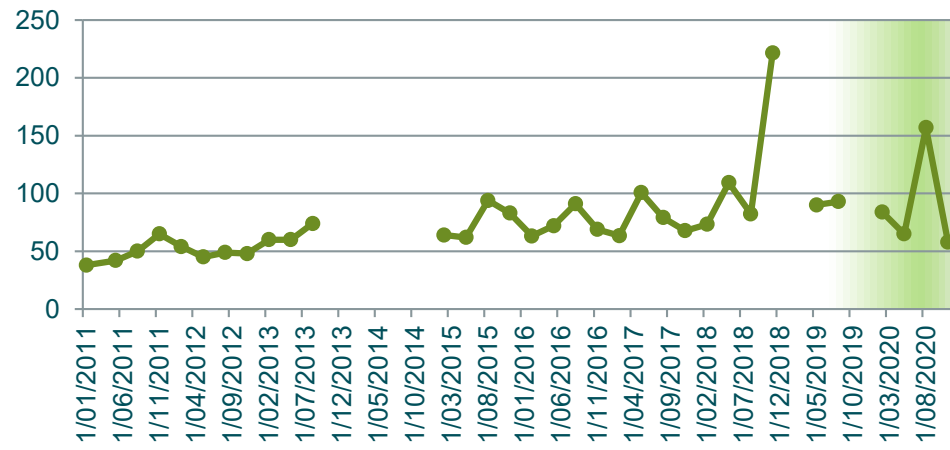
**Redox Potential
mV**



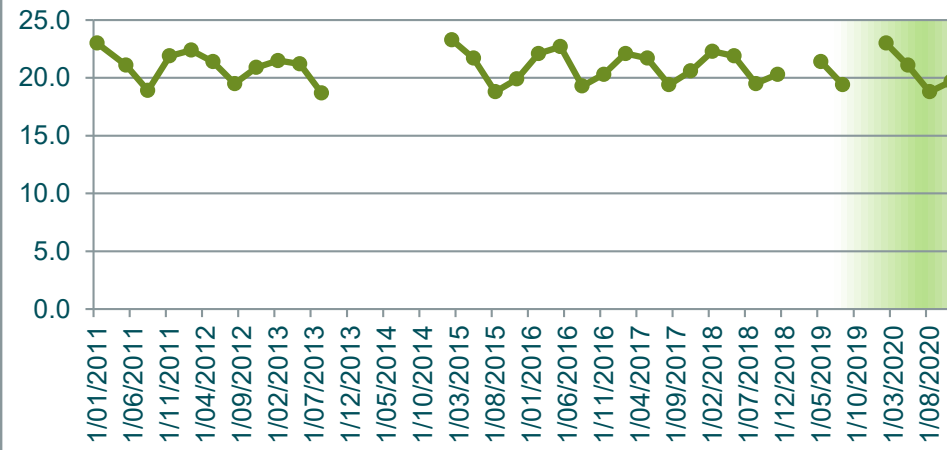
**Sodium (Total)
mg/L**



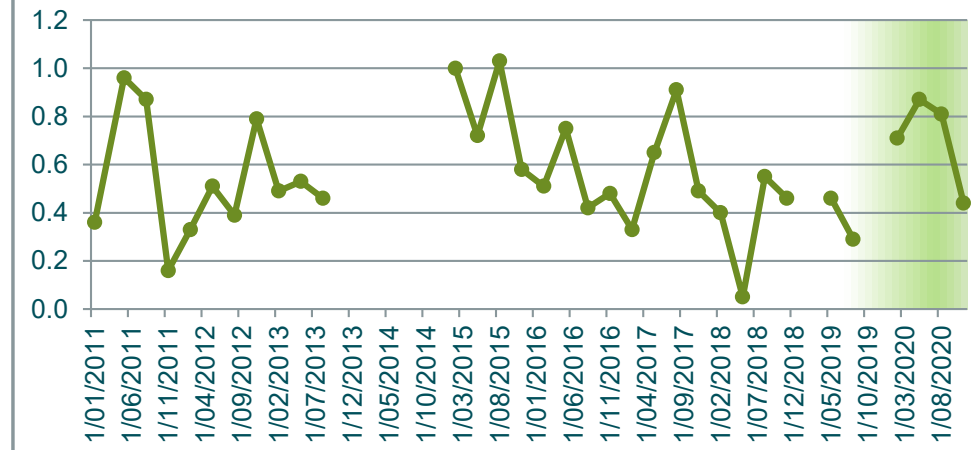
**Sulphate
mg/L**



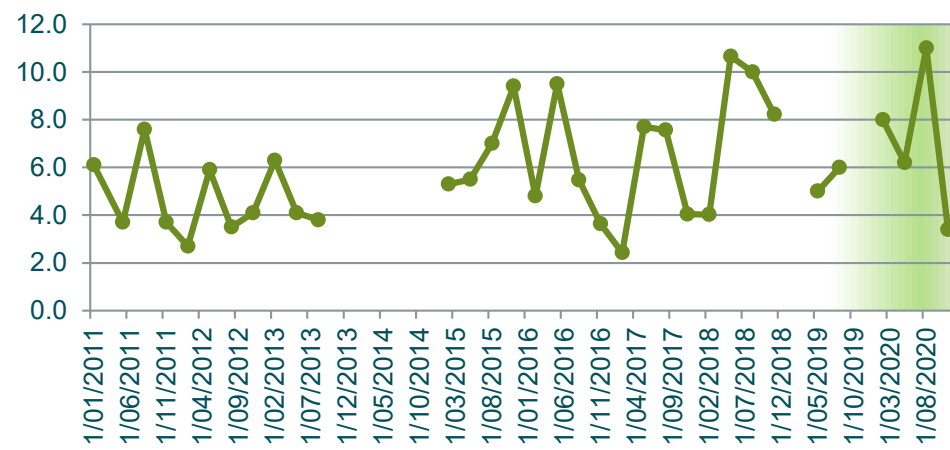
**Temperature
C**



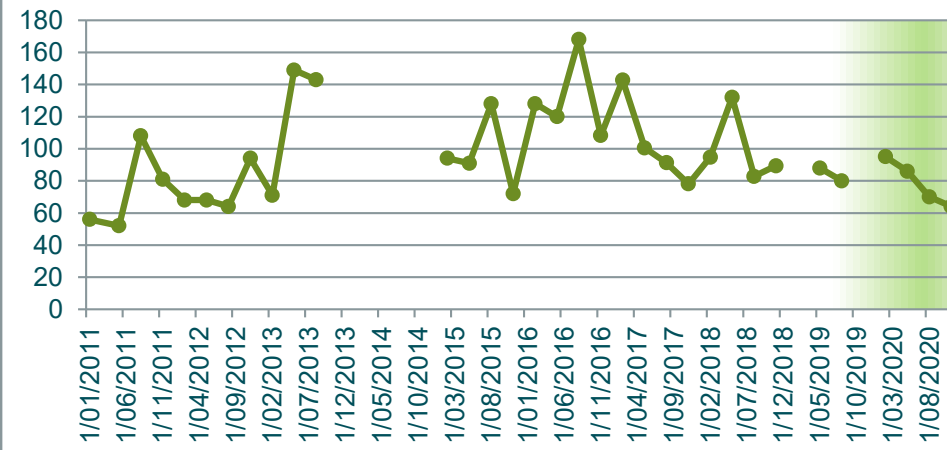
**TKN
mg/L**



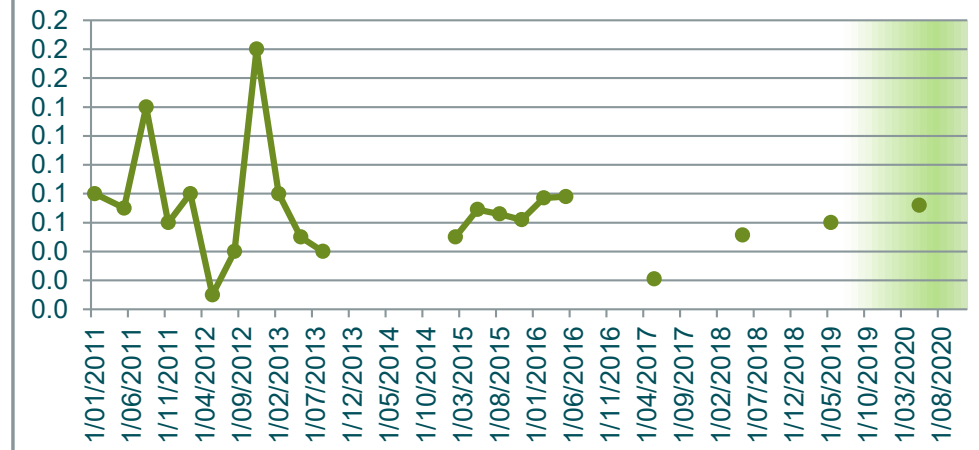
**TOC
mg/L**



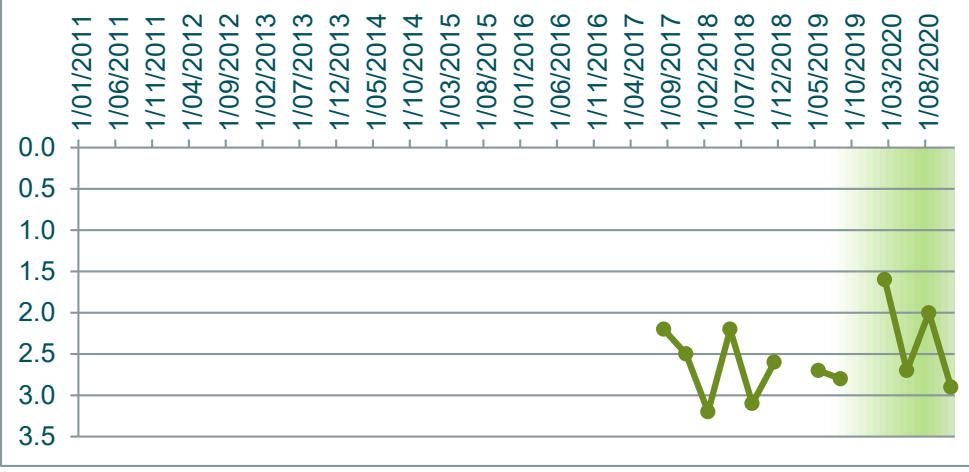
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**

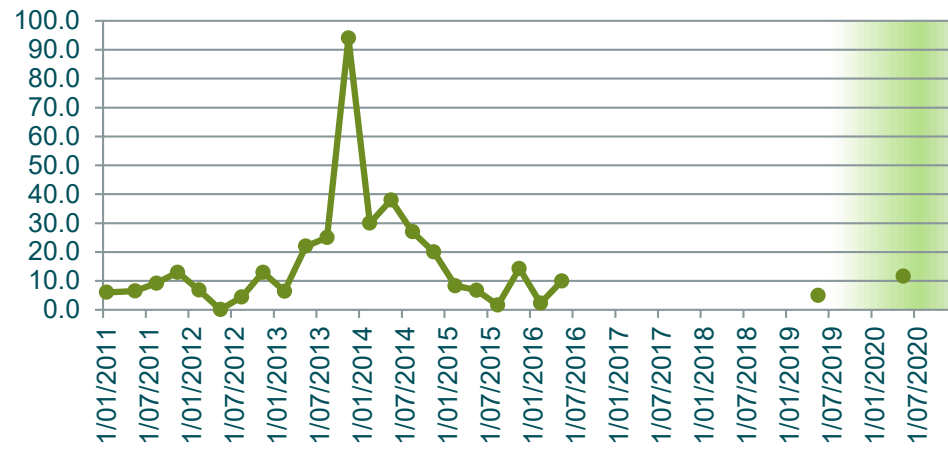


Depth to Groundwater m

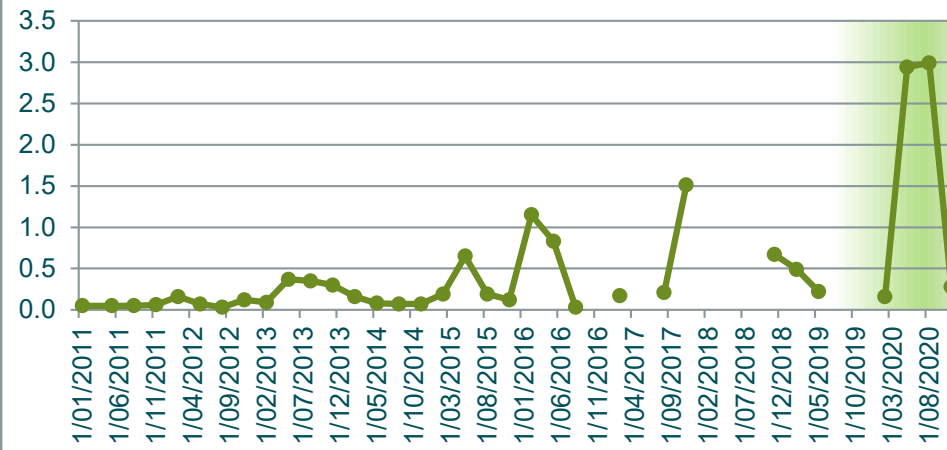


GW10	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m			
31/01/2011	17.0	6.1	0.1	0.0	10.0	1.0	0.0	4.7	33	0.0	0.0	0.0	212	0.0	2.3	0.0	13	0.0	3.2	0.6	0.0	0.6	0.1	0.6	1.4	5.8	0.2	5.0	72	21.0	8.2	21.3	0.8	2.8	52	0.0				
10/05/2011	17.0	6.5	0.1	0.0	10.0	1.2	0.0	8.6	97	0.0	0.0	0.0	419	0.0	1.0	0.0	17	0.0	6.4	0.8	0.0	0.1	0.1	0.1	1.1	5.1	0.2	5.0	118	47.0	12.0	20.7	1.1	4.0	10	0.0				
9/08/2011	11.0	9.2	0.1	0.0	7.0	5.7	0.0	4.2	50	0.0	0.0	0.0	261	0.0	3.3	0.1	23	0.0	4.3	0.7	0.0	1.4	0.1	1.4	2.3	5.5	0.2	5.0	258	27.0	8.1	18.4	0.9	5.4	74	0.1				
8/11/2011	9.0	13.0	0.1	0.0	5.0	1.0	0.0	4.9	54	0.0	0.0	0.0	182	0.1	2.8	0.1	23	0.0	5.8	0.6	0.0	1.6	0.0	1.6	2.8	5.4	0.3	7.0	172	19.0	9.5	19.5	1.3	2.9	60	0.1				
6/02/2012	17.0	6.9	0.2	0.0	10.0	9.0	0.0	4.3	38	0.0	0.0	0.0	181	0.0	1.3	0.0	9	0.0	3.4	0.6	0.0	0.0	0.0	0.1	2.2	5.7	0.4	5.0	86	25.0	5.8	21.2	2.2	7.2	55	0.0				
8/05/2012	16.0	0.1	0.1	0.0	10.0	3.0	0.0	4.6	38	0.0	0.0	0.0	185	0.0	2.9	0.1	0	0.0	3.9	0.6	0.0	0.0	0.0	0.0	0.2	6.0	0.1	5.0	262	23.0	6.5	20.9	0.1	11.0	52	0.0				
6/08/2012	15.0	4.5	0.0	0.0	9.0	3.0	0.0	4.4	50	0.0	0.0	0.0	241	0.0	2.0	0.0	17	0.0	4.7	0.4	0.0	0.1	0.0	0.1	0.8	5.3	0.2	5.0	200	20.0	9.5	18.9	0.7	3.8	52	0.0				
13/11/2012	10.0	13.0	0.1	0.0	6.0	4.8	0.0	5.5	47	0.0	0.0	0.0	228	0.1	5.5	0.1	26	0.0	3.5	0.4	0.0	0.1	0.0	0.1	1.9	5.9	0.5	5.0	68	23.0	8.9	20.3	1.8	8.0	36	0.1				
13/02/2013	14.0	6.4	0.1	0.0	8.0	6.9	0.0	8.6	70	0.0	0.0	0.0	292	0.0	6.2	0.0	13	0.0	3.9	0.4	0.0	0.1	0.0	0.1	1.9	5.9	0.3	5.0	13	29.0	9.3	21.2	1.8	17.0	43	0.1				
14/05/2013	25.0	22.0	0.4	0.0	15.0	9.6	0.0	6.1	40	0.0	0.0	0.0	229	0.1	3.7	0.1	32	0.0	4.0	0.8	0.0	0.1	0.0	0.1	2.9	6.0	0.3	5.0	-35	21.0	5.7	20.9	2.8	9.9	105	0.1				
6/08/2013	26.0	25.0	0.4	0.0	16.0	5.7	0.0	5.8	39	0.0	0.0	0.0	251	0.1	3.0	0.0	42	0.0	4.9	0.9	0.0	0.0	0.0	0.1	2.7	6.1	0.4	5.0	-17	25.0	8.2	18.8	2.7	11.0	100	0.1				
12/11/2013	10.0	94.0	0.3	0.0	6.0	7.2	0.0	4.7	47	0.1	0.1	0.0	216	0.2	3.3	0.0	131	0.1	3.7	1.0	0.0	0.2	0.0	0.2	4.4	6.3	0.8	5.0	45	29.0	8.9	20.2	4.2	3.9	51	0.3				
11/02/2014	10.0	30.0	0.2	0.0	6.0	6.3	0.0	4.1	42	0.0	0.0	0.0	195	0.1	3.4	0.0	46	0.0	3.5	0.4	0.0	0.2	0.0	0.2	2.3	5.7	0.4	5.0	49	25.0	8.0	22.0	2.1	6.5	132	0.1				
13/05/2014	8.0	38.0	0.1	0.0	5.0	3.3	0.0	3.2	48	0.0	0.0	0.0	219	0.1	4.2	0.0	70	0.0	3.5	0.5	0.0	1.5	0.0	1.5	3.4	5.3	0.7	5.0	71	25.0	5.5	21.1	1.9	2.7	63	0.1				
12/08/2014	7.0	27.0	0.1	0.0	4.0	3.9	0.0	3.8	60	0.0	0.0	0.0	262	0.1	4.6	0.0	39	0.0	5.3	0.5	0.0	1.9	0.0	1.9	3.8	5.4	0.5	5.0	59	34.0	9.4	19.2	1.9	2.9	112	0.1				
10/11/2014	8.0	20.0	0.1	0.0	5.0	4.2	0.0	3.8	60	0.0	0.0	0.0	253	0.1	3.8	0.0	32	0.0	5.4	0.5	0.0	2.5	0.0	2.5	4.2	5.3	0.3	5.0	99	34.0	9.0	20.1	1.7	3.1	144	0.1				
9/02/2015	22.0	8.3	0.2	0.0	13.0	3.9	0.0	7.0	60	0.0	0.0	0.0	275	0.0	1.7	0.0	14	0.0	4.9	0.6	0.0	0.0	0.0	0.1	2.4	6.2	0.3	5.0	2	28.0	7.2	22.0	2.4	16.0	60	0.0				
11/05/2015	12.0	6.8	0.7	0.0	7.0	8.1	0.0	10.0	148	0.0	0.0	0.0	551	0.0	1.9	0.0	13	0.0	10.0	1.0	0.0	0.0	0.0	0.0	1.7	5.5	0.2	5.0	62	66.0	12.0	21.3	1.7	6.3	100	0.0				
11/08/2015	1.0	1.6	0.2	0.0	1.0	5.1	0.0	23.0	410	0.0	0.0	0.0	1438	0.0	2.2	0.0	21	0.0	29.0	2.5	0.1	0.1	0.0	0.1	1.6	4.8	0.2	5.0	147	192.0	24.0	19.0	1.6	4.8	147	0.1				
10/11/2015	8.0	14.3	0.1	0.0	8.0	3.0	0.0	3.6	51	0.0	0.0	0.0	164	0.0	3.4	0.0	48	0.0	3.5	0.3	0.0	0.1	0.0	0.1	2.0	5.6	0.4	5.0	10	26.0	5.9	19.3	1.9	5.9	57	0.1				
8/02/2016	12.0	2.3	1.2	0.0	12.0	4.2	0.0	2.2	21	0.0	0.0	0.0	106	0.0	5.4	0.0	4	0.0	1.8	0.1	0.0	0.1	0.0	0.1	2.2	5.9	0.3	5.0	153	10.8	3.7	23.5	2.0	4.5	25	0.0				
9/05/2016	22.0	10.0	0.8	0.0	22.0	13.2	0.0	3.6	52	0.0	0.0	0.0	248	0.0	3.7	0.0	20	0.0	4.7	0.5	0.0	0.1	0.0	0.1	2.9	5.9	0.4	5.0	38	28.9	6.6	22.0	2.8	4.6	75	0.1				
9/08/2016	6.4		0.0		6.0	1.0		3.1	30				129		2.3	0.0			2.3			0.1	0.0	0.1	1.5	5.3	0.3	5.0	139	15.4	4.9	19.4	1.4	5.9	58					
7/11/2016																																								
7/02/2017	8.0		0.2		8.0	2.7		2.7	44				194		3.2	0.0			3.5			0.4	0.0	0.4	3.1	5.3	0.6	5.0	188	22.5	6.3	21.4	2.7	2.9	116					
8/05/2017																																								
8/08/2017	18.6		0.2		19.0	4.2		3.7	45				231		4.2	0.0			4.3			0.1	0.0	0.1	2.8	5.4	0.5	5.0	161	24.7	8.8	19.1	2.7	5.5	60		3.1			
7/11/2017	28.4		1.5		28.0	5.7		3.2	42				231		2.5	0.0			3.9			0.0	0.0	0.0	2.4	5.4	0.2	5.0	51	23.0	8.1	19.5	2.4	5.6	66		3.1			
13/02/2018																																								
8/05/2018																																								
14/08/2018																																								
13/11/2018	25.9		0.7		26.0	3.3		4.5	49				256		3.7	0.0			4.5			0.0	0.0	0.0	1.5	6.0	0.2	1.4	42	28.8	9.7	19.7	1.5	10.8	74		2.6			
12/02/2019	34.2		0.5		34.0	6.9		3.9	31				224		3.2	0.0			3.9			0.1	0.0	0.1	2.8	6.1	0.3	1.5	2	24.0	3.8	21.1	2.7	1.2	67		4.2			
14/05/2019	15.0	5.0	0.2	0.0	15.0	6.0	0.0	3.4	40	0.0	0.0	0.0	199	0.0	3.0	0.1	11	0.0	4.0	0.4	0.0	0.1	0.0	0.1	1.7	5.7	0.5	1.4	40	26.0	9.8	21.1	1.7	5.3	67	0.1	3.3			
14/08/2019																																								
12/11/2019																																								
25/02/2020	9.0		0.2		9.0	8.1		2.9	29.0				132.0		4.6	0.0			2.2			0.1	0.0	0.1	2.1	5.5	0.5	1.6	111.2	16.0	5.7	22.3	2.1	15.0	40.0		2.6			
12/05/2020	52.0	11.6	2.9	0.0	52.0	7.5	0.0	6.8	80.0	0.0	0.0	0.0	424.0	0.0	3.1	0.0	27.1	0.0	7.6	0.7	0.0	0.5	0.0	0.5	5.4	6.0	0.2	3.5	-28.2	43.0	8.7	20.8	4.9	7.5	96.0	0.1	3.4			
11/08/2020	18.0		3.0		18.0	4.5		4.3	49.0				246.0		2.5	0.0			4.5			0.0	0.0	0.0	4.9	5.7	0.6	1.8	92.7	32.0	7.2	18.9	4.9	6.6	42.0		2.8			
10/11/2020	15.0		0.3		15.0	6.6		2.8	45.0				204.0		3.1	0.0			4.0			0.1	0.0	0.1	1.9	5.4	0.6	1.4	99.2	26.0	8.0	19.0	1.9	2.8	48.0		3.4			
2020 Min	9.0	11.6	0.2	0.0	9.0	4.5	0.0	2.8	29.0	0.0	0.0	0.0	132.0	0.0	2.5	0.0	27.1	0.0	2.2	0.7	0.0	0.0	0.0	1.9	5.4	0.2	1.4	-28.2	16.0	5.7	18.9	1.9	2.8	40.0	0.1	2.6				
2020 Max	52.0	11.6	3.0	0.0	52.0	8.1	0.0	6.8	80.0	0.0	0.0	0.0	424.0	0.0	4.6	0.0	27.1	0.0	7.6	0.7	0.0	0.5	0.0	0.5	5.4	6.0	0.6	3.5	111.2	43.0	8.7	22.3	4.9	15.0						

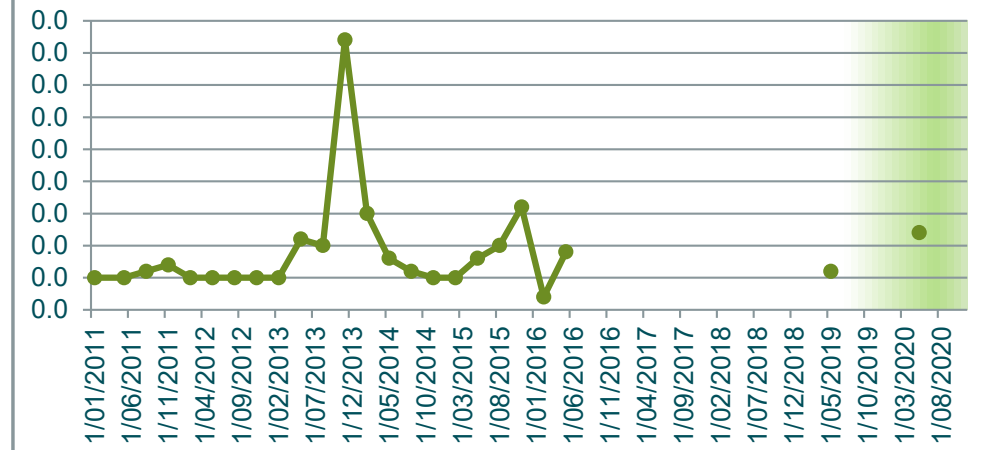
**Aluminium (Total)
mg/L**



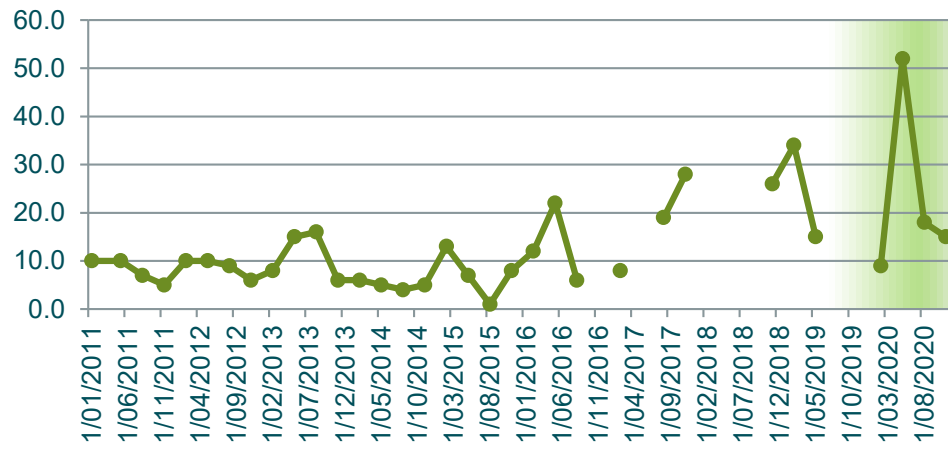
**Ammonia
mg/L**



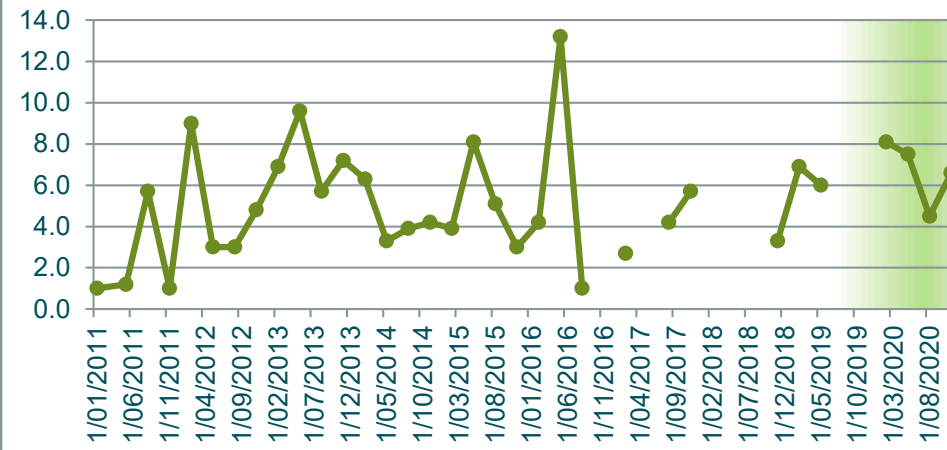
**Arsenic (Total)
mg/L**



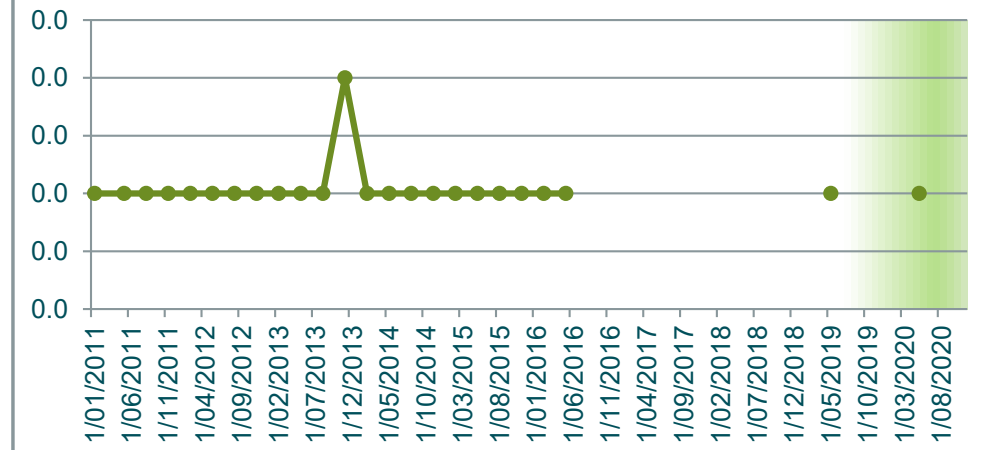
**Bicarbonate HCO3
mg/L**



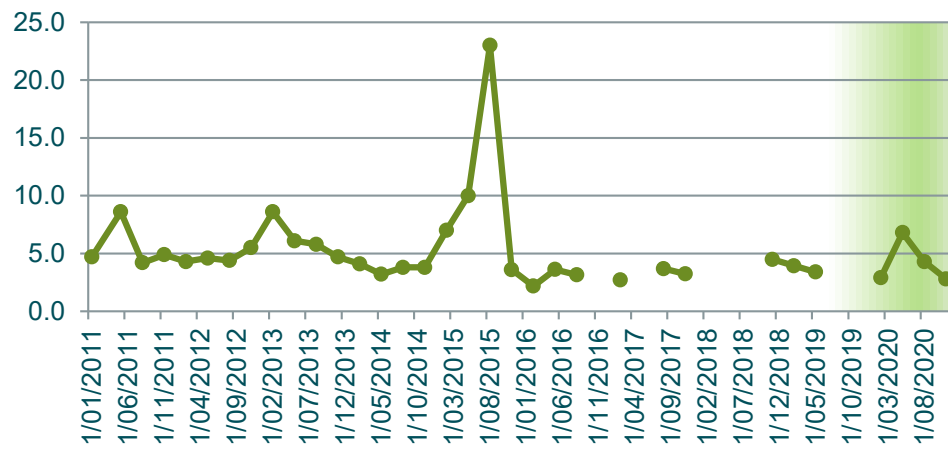
**BOD5
mg/L**



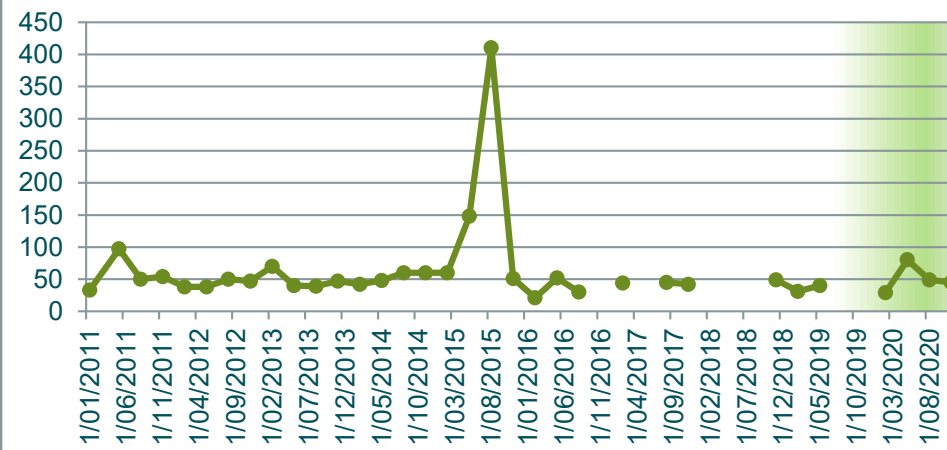
**Cadmium (Total)
mg/L**



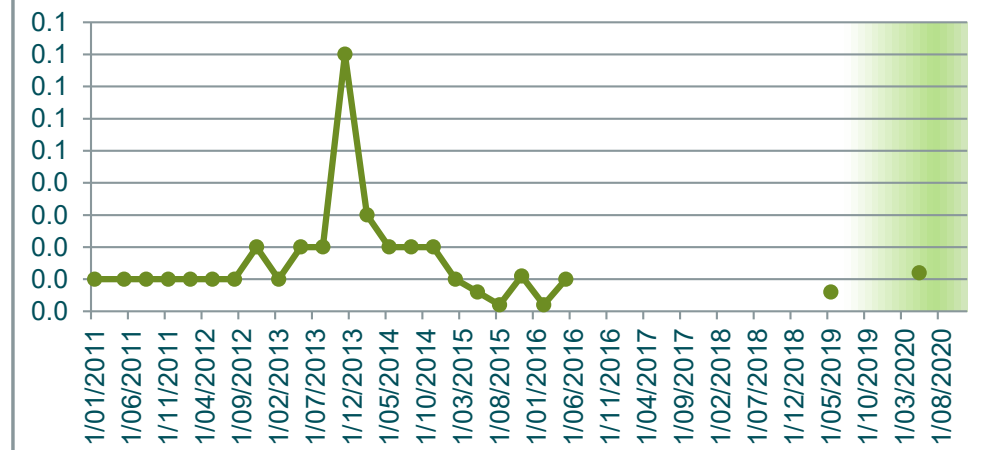
**Calcium (Total)
mg/L**



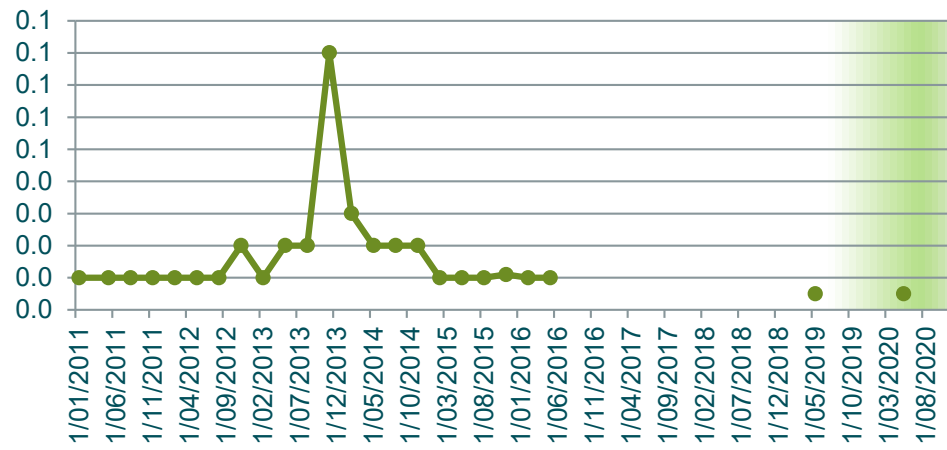
**Chloride
mg/L**



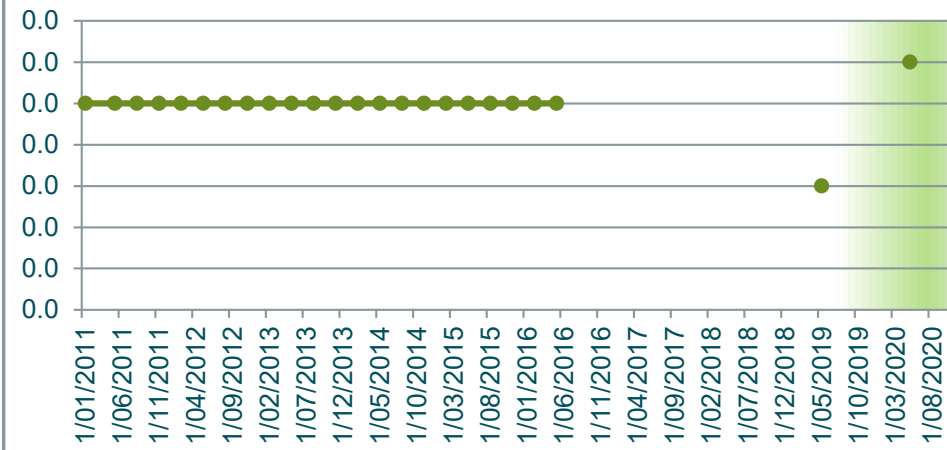
**Chromium (Total)
mg/L**



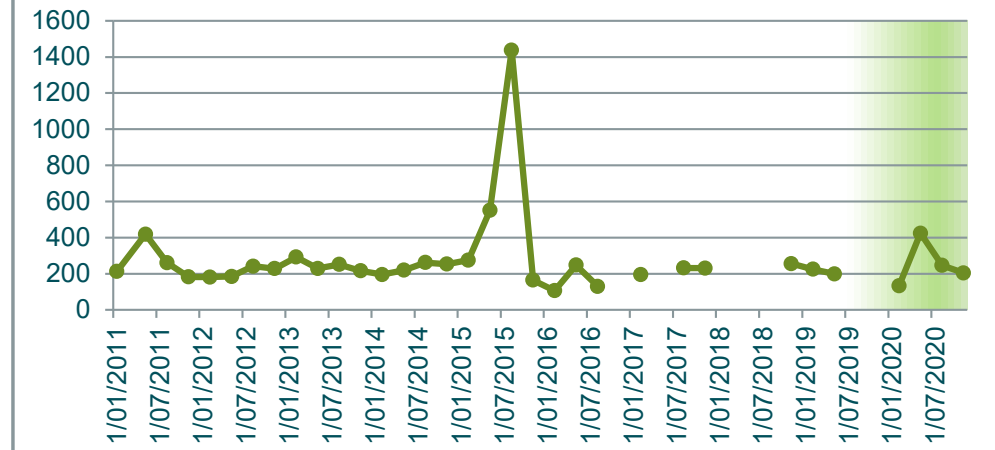
Chromium 3 mg/L



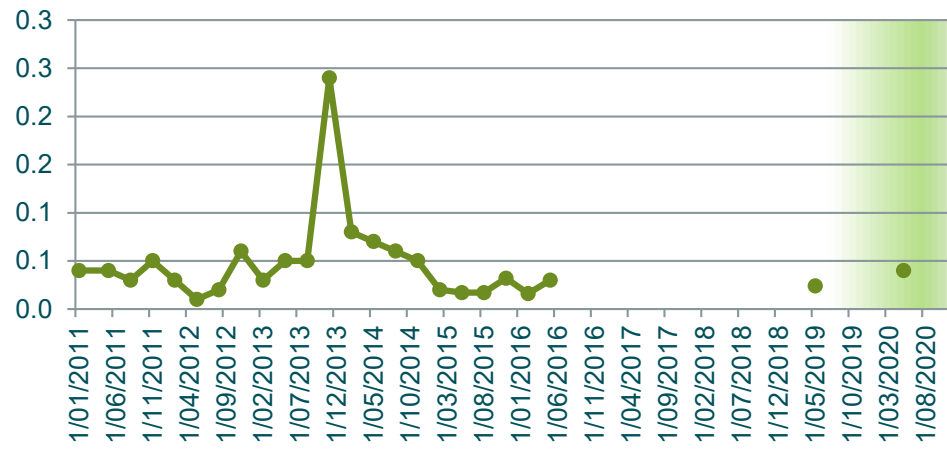
Chromium 6 mg/L



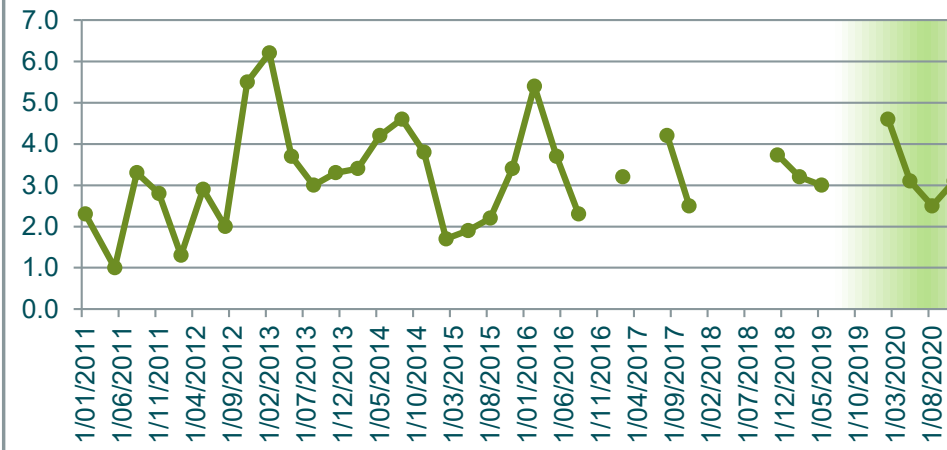
Conductivity µScm-1



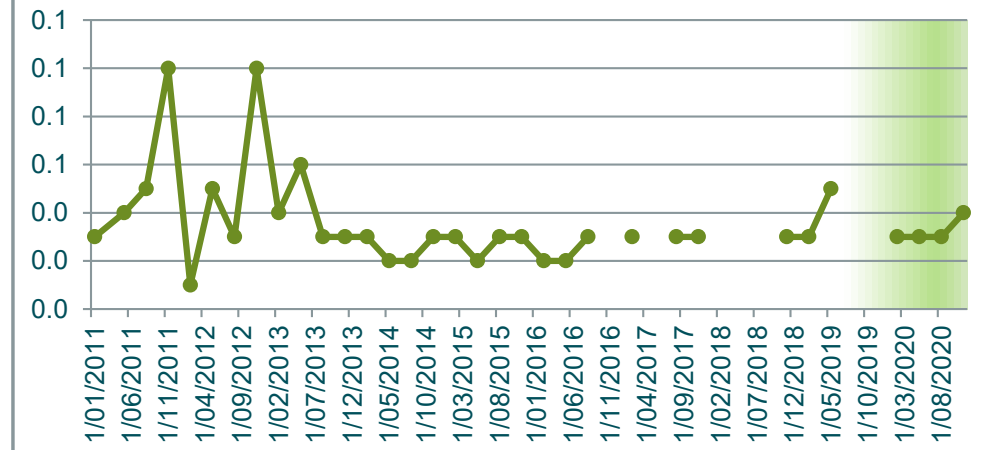
Copper (Total) mg/L



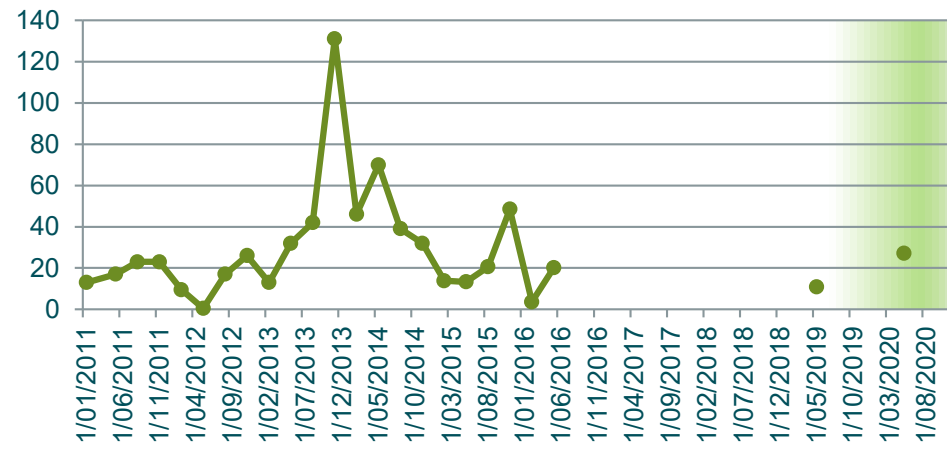
DO (Membrane Electrode) mg/L



Flouride mg/L



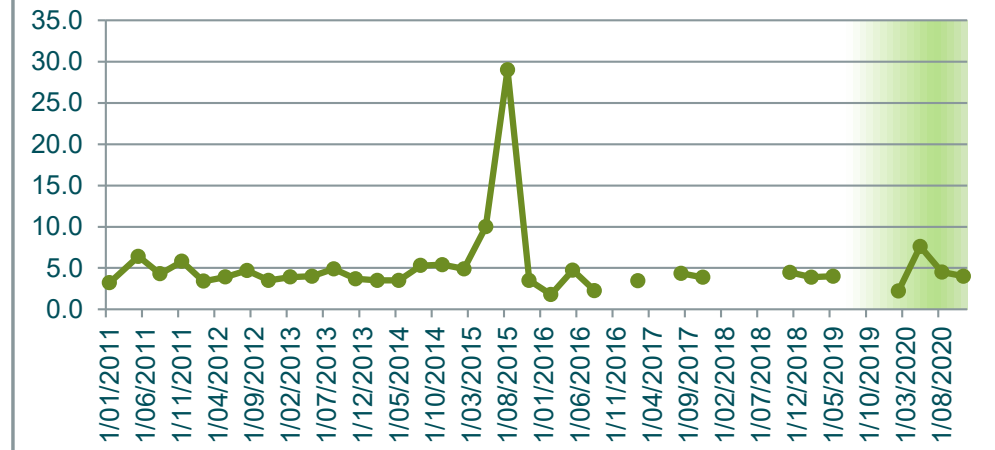
Iron Total mg/L



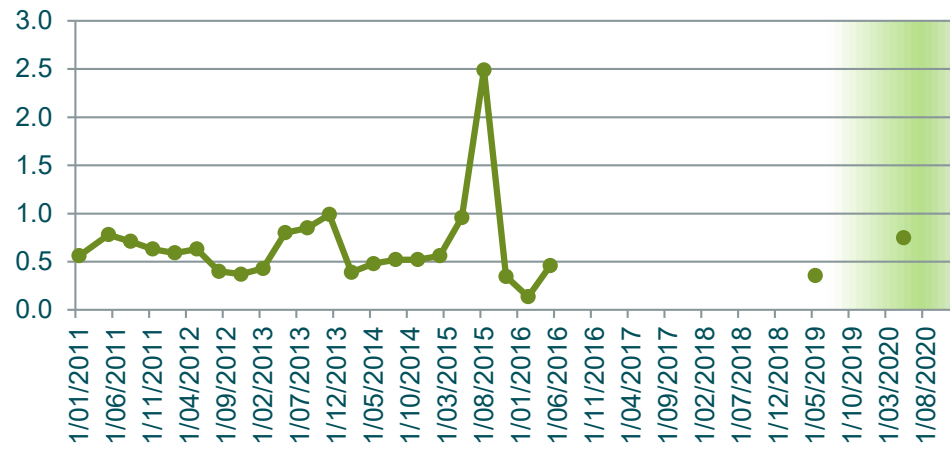
Lead (Total) mg/L



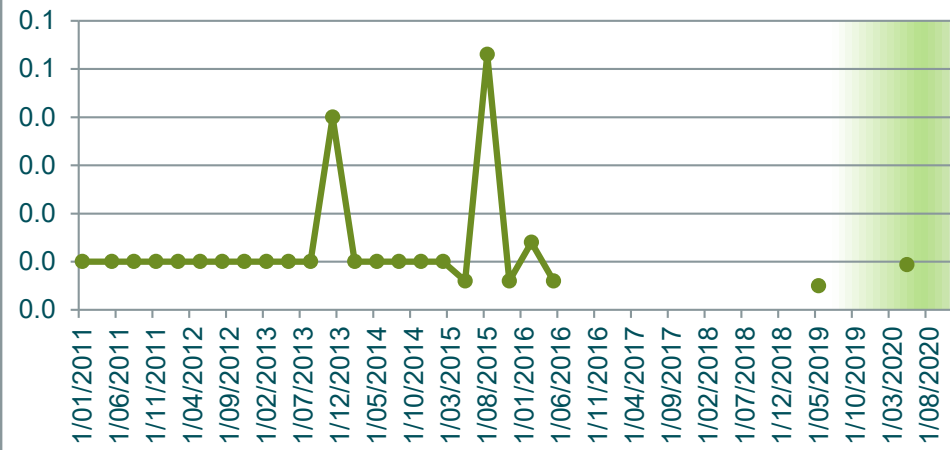
Magnesium (Total) mg/L



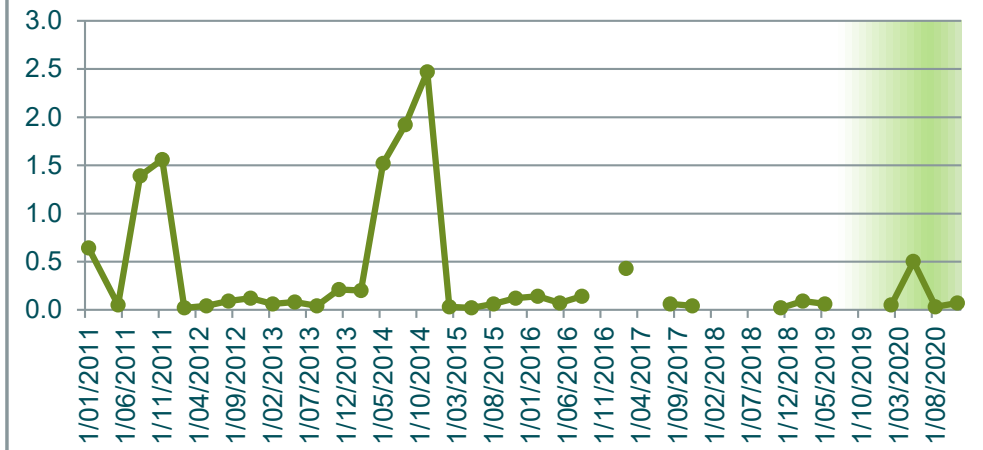
Manganese Total mg/L



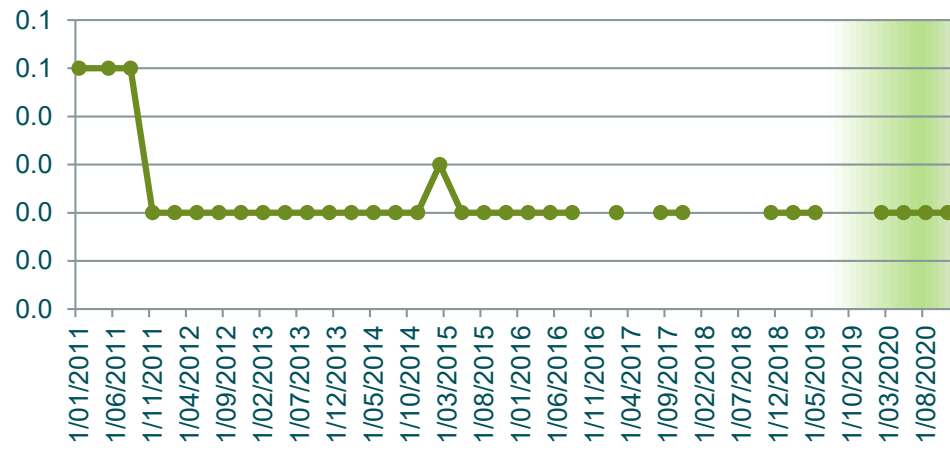
Nickel (Total) mg/L



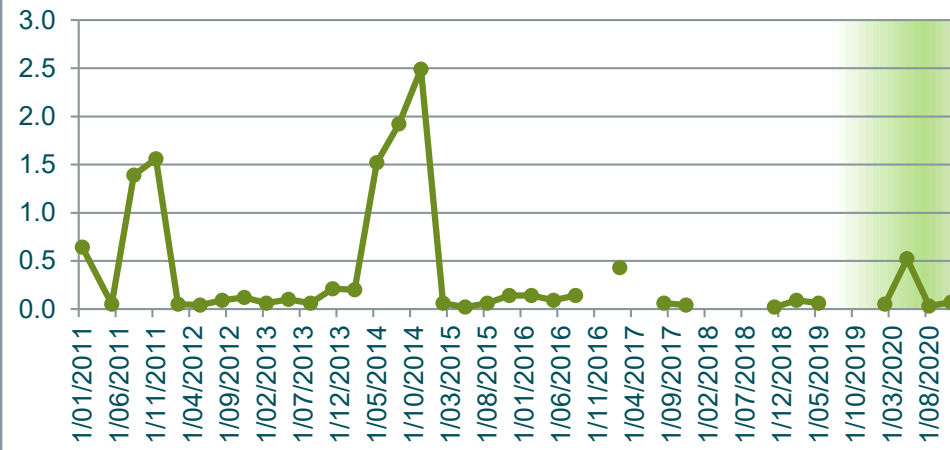
Nitrate N mg/L



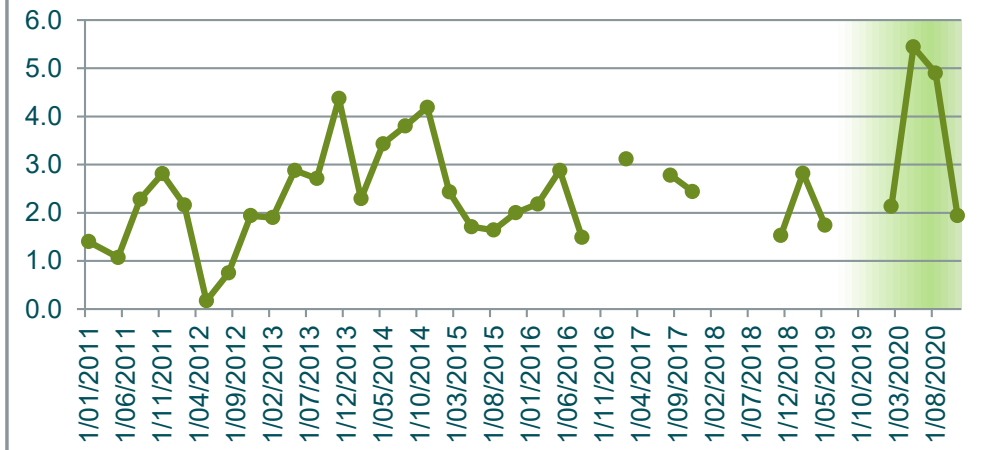
Nitrite N mg/L



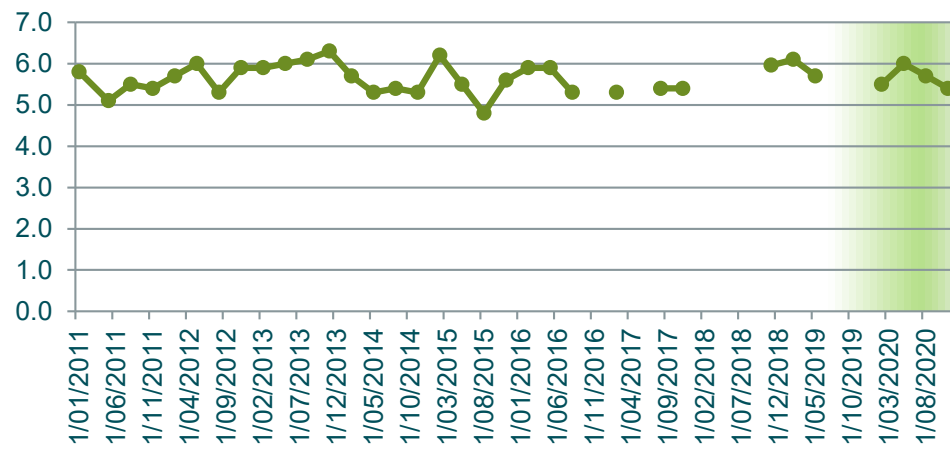
Nitrogen Oxidised mg/L



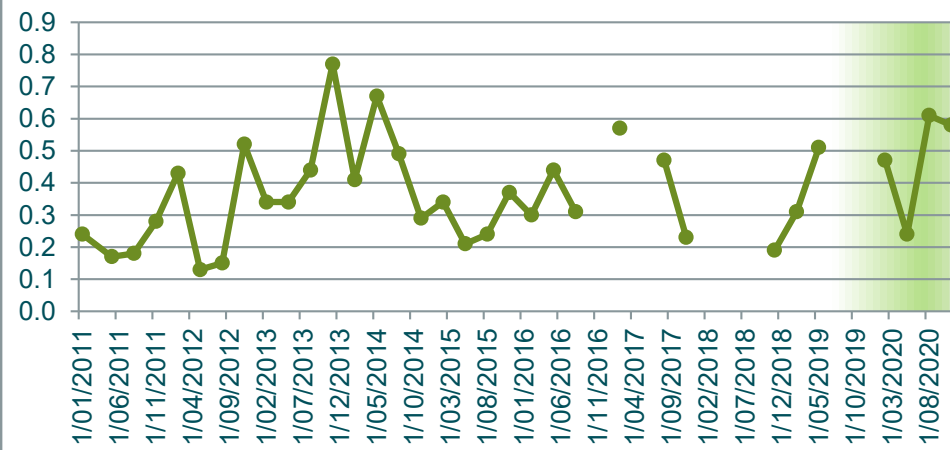
Nitrogen Total mg/L



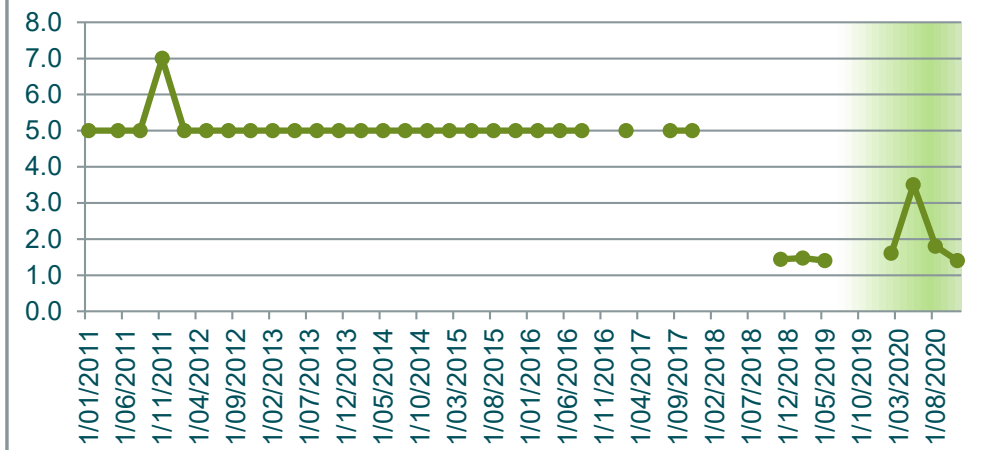
pH pH units



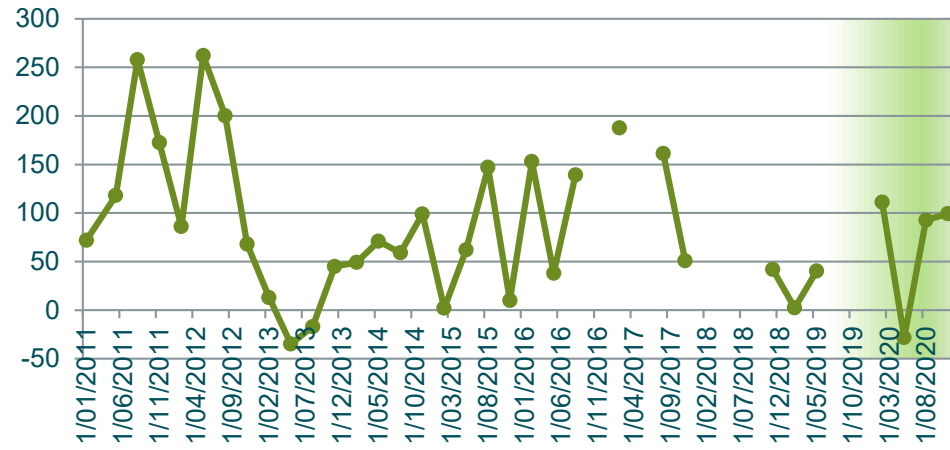
Phosphorus Total mg/L



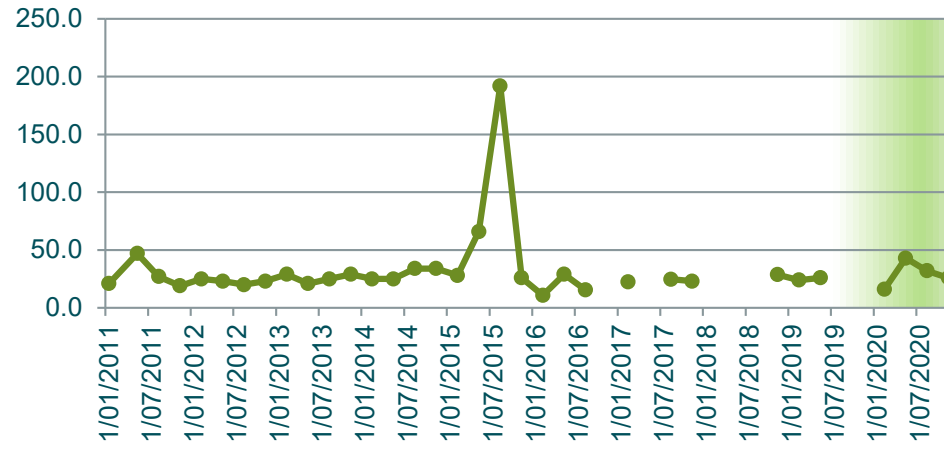
Potassium Total mg/L



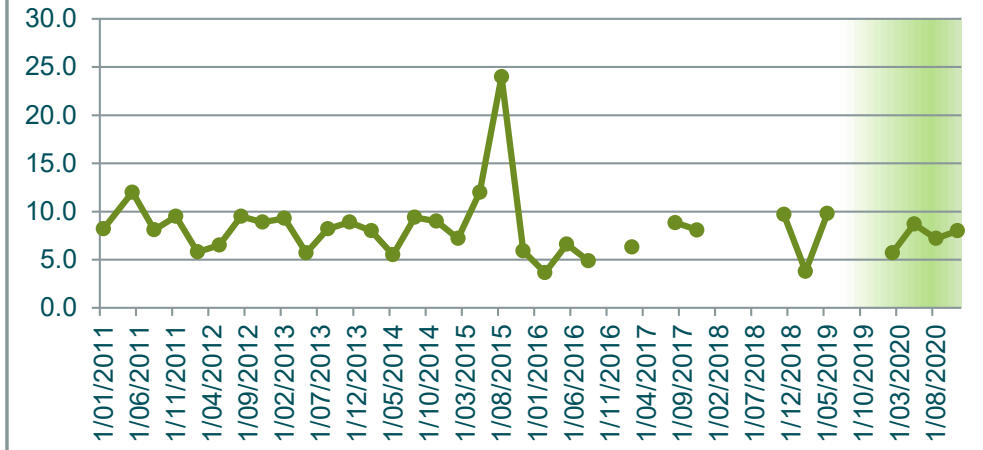
**Redox Potential
mV**



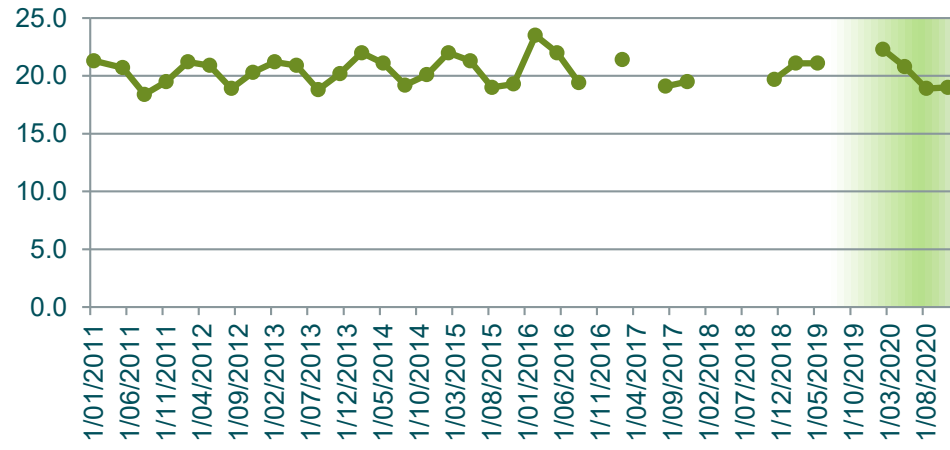
**Sodium (Total)
mg/L**



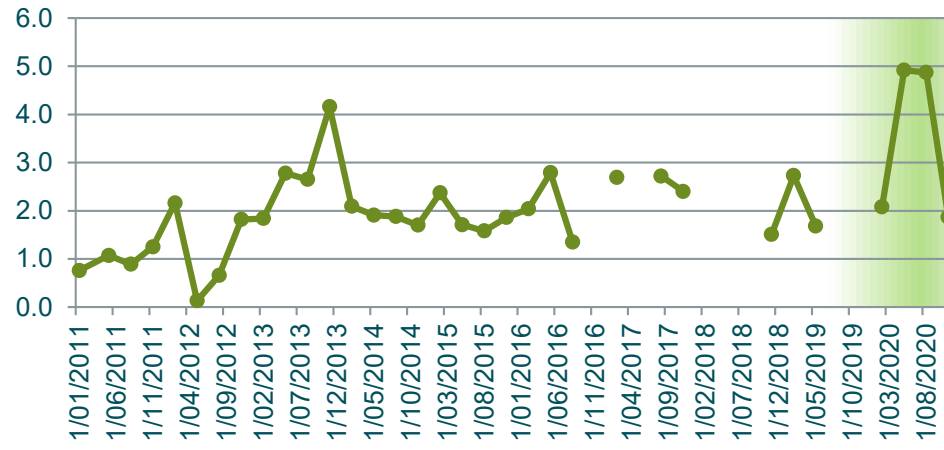
**Sulphate
mg/L**



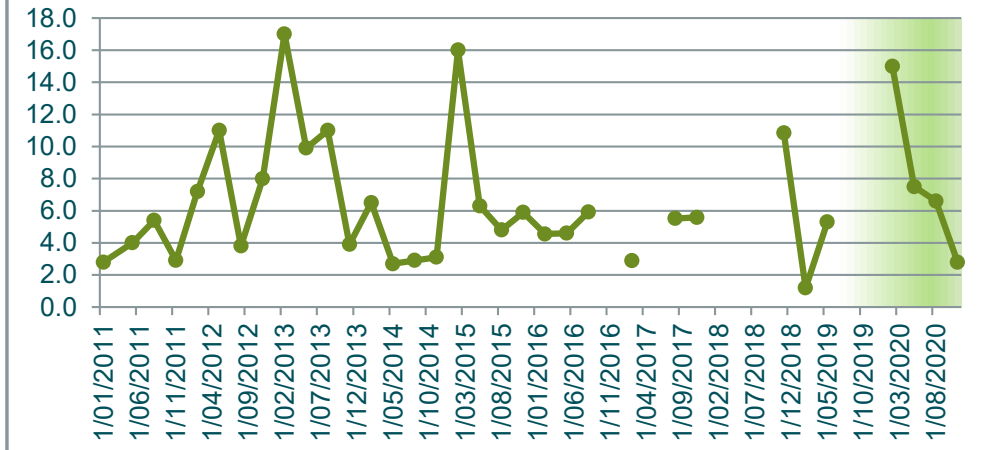
**Temperature
C**



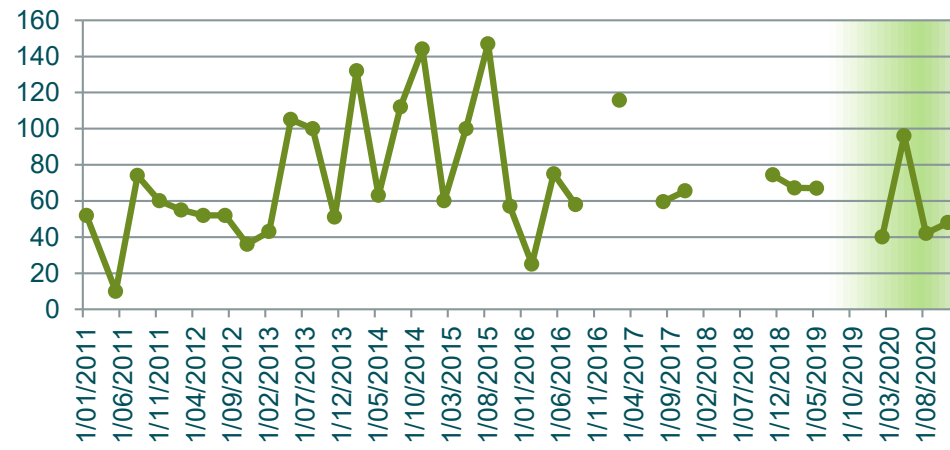
**TKN
mg/L**



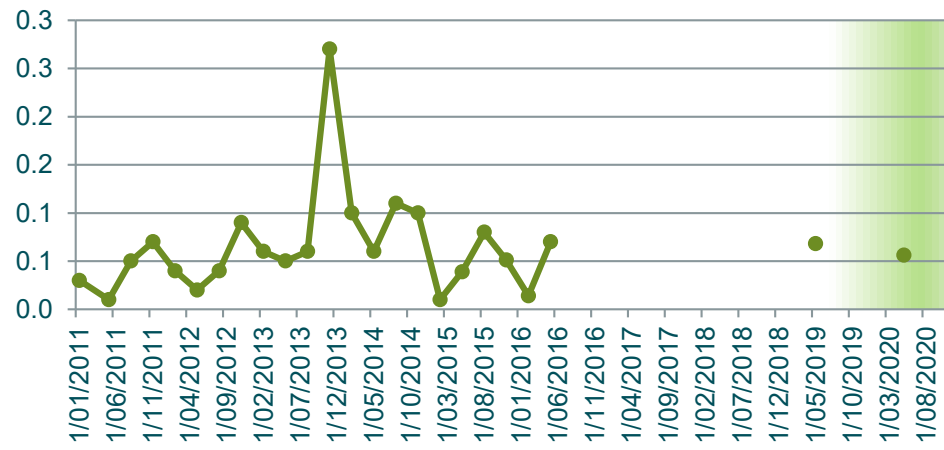
**TOC
mg/L**



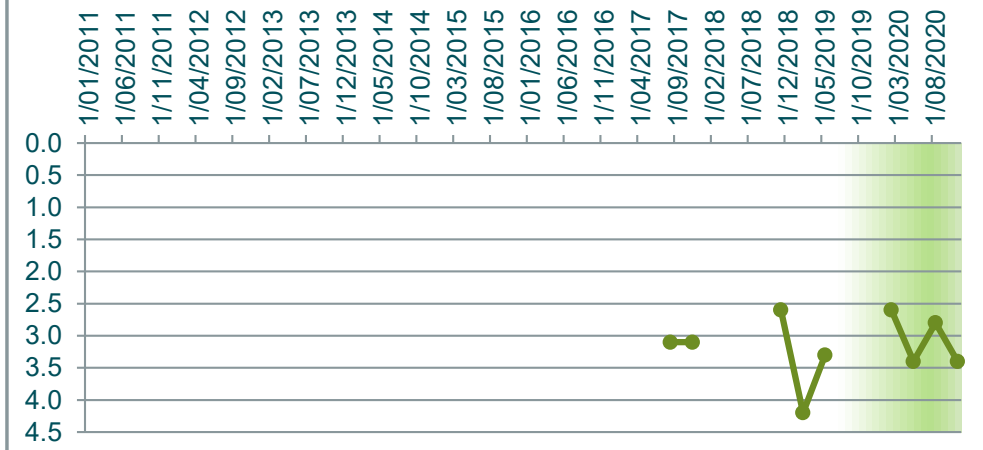
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**

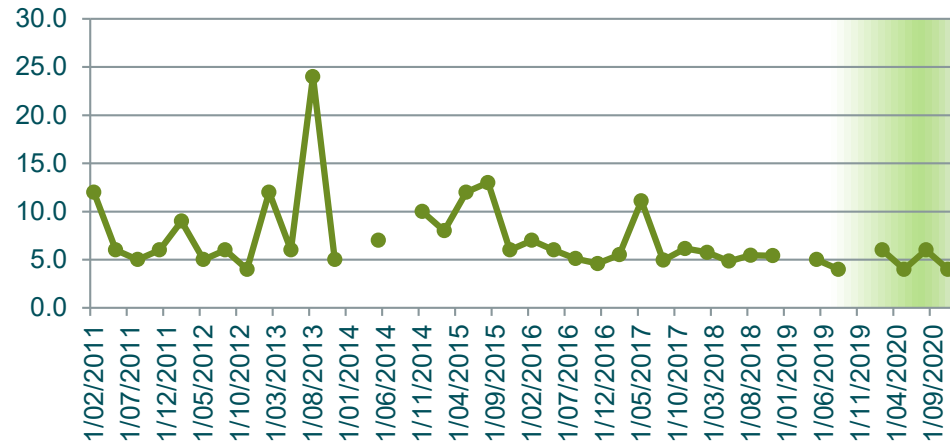


**Depth to Groundwater
m**

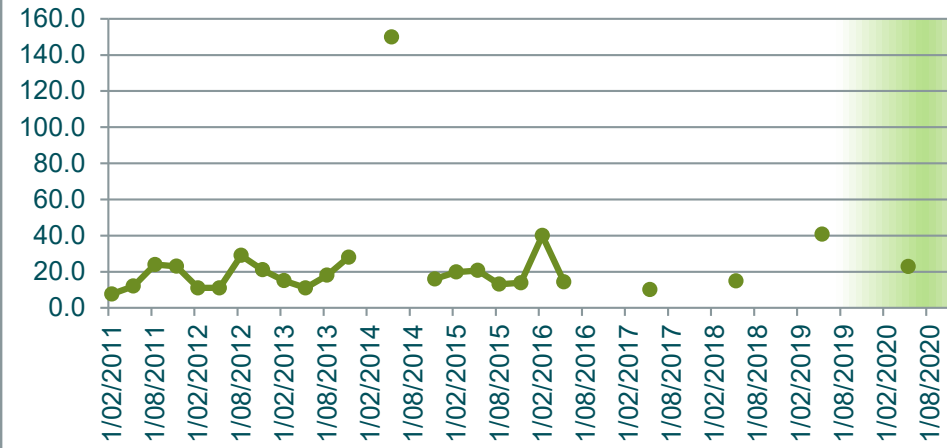


GW11	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µScm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m			
1/02/2011	12.0	7.7	0.2	0.0	7.0	1.8	0.0	1.7	18.0	0.0	0.0	0.0	109	0.0	1.3	0.0	8.2	0.0	1.5	0.6	0.0	0.7	0.1	0.7	1.1	5.4	0.1	5.0	173	9.6	7.8	23.0	0.4	1.9	55	0.0				
11/05/2011	6.0	12.0	0.1	0.0	4.0	1.0	0.0	1.0	21.0	0.0	0.0	0.0	131	0.0	1.8	0.0	11.0	0.0	2.0	0.4	0.0	1.3	0.1	1.3	1.7	4.1	0.1	5.0	314	12.0	7.5	22.2	0.3	1.2	54	0.0				
10/08/2011	5.0	24.0	0.1	0.0	3.0	1.8	0.0	0.6	20.0	0.0	0.0	0.0	114	0.0	3.3	0.0	19.0	0.0	1.7	0.6	0.0	0.5	0.1	0.5	0.8	4.9	0.1	5.0	328	14.0	7.2	20.7	0.3	1.3	52	0.1				
9/11/2011	6.0	23.0	0.1	0.1	4.0	2.4	0.0	0.7	19.0	0.0	0.0	0.0	101	0.0	1.8	0.1	18.0	0.0	2.5	0.5	0.0	0.6	0.0	0.6	0.9	5.1	0.2	5.0	345	8.6	12.0	21.5	0.3	0.8	62	0.1				
7/02/2012	9.0	11.0	0.0	0.0	5.0	1.8	0.0	1.3	13.0	0.0	0.0	0.0	97	0.0	2.2	0.0	10.0	0.0	1.9	0.6	0.0	0.7	0.0	0.7	1.0	5.1	0.5	5.0	323	14.0	9.7	23.5	0.3	1.4	66	0.0				
9/05/2012	5.0	11.0	0.1	0.0	3.0	1.0	0.0	0.7	16.0	0.0	0.0	0.0	104	0.0	3.0	0.0	9.8	0.0	1.4	0.3	0.0	0.6	0.0	0.6	0.8	5.4	0.0	5.0	221	11.0	8.8	22.6	0.2	1.2	52	0.0				
7/08/2012	6.0	29.0	0.0	0.0	4.0	1.0	0.0	0.8	15.0	0.0	0.0	0.0	98	0.1	1.6	0.0	24.0	0.0	1.7	0.7	0.0	0.1	0.0	0.1	0.6	4.9	0.1	5.0	279	9.6	9.6	20.7	0.5	0.4	49	0.1				
14/11/2012	4.0	21.0	0.0	0.0	2.0	1.2	0.0	2.2	20.0	0.0	0.0	0.0	135	0.0	5.7	0.1	15.0	0.0	3.6	0.6	0.0	2.7	0.0	2.7	3.1	4.9	0.1	5.0	247	12.0	7.2	21.7	0.3	1.3	40	0.1				
14/02/2013	12.0	15.0	0.1	0.0	7.0	1.0	0.0	1.4	20.0	0.0	0.0	0.0	111	0.0	2.1	0.0	13.0	0.0	1.9	1.1	0.0	0.1	0.0	0.1	0.4	5.4	0.1	5.0	100	12.0	6.7	23.5	0.4	1.4	70	0.1				
15/05/2013	6.0	11.0	0.1	0.0	4.0	1.5	0.0	0.8	12.0	0.0	0.0	0.0	68	0.0	4.3	0.0	9.2	0.0	0.8	0.4	0.0	0.1	0.0	0.1	0.4	5.1	0.0	5.0	146	8.9	6.0	21.6	0.3	1.1	87	0.0				
7/08/2013	24.0	18.0	0.0	0.0	15.0	1.0	0.0	0.6	14.0	0.0	0.0	0.0	88	0.0	3.0	0.0	13.0	0.0	1.3	0.7	0.0	0.2	0.0	0.2	0.5	5.1	0.1	5.0	203	14.0	11.0	19.8	0.3	0.7	100	0.1				
13/11/2013	5.0	28.0	0.1	0.0	3.0	1.8	0.0	0.6	11.0	0.0	0.0	0.0	74	0.0	3.8	0.0	21.0	0.0	1.2	0.6	0.0	0.2	0.0	0.2	0.6	5.1	0.1	5.0	187	9.2	6.9	23.4	0.4	0.9	53	0.1				
11/02/2014																																								
14/05/2014	7.0	150	0.1	0.0	4.0	1.5	0.0	0.4	9.0	0.0	0.0	0.0	100	0.2	3.4	0.0	160	0.1	1.1	3.0	0.0	0.4	0.0	0.4	2.0	5.1	0.3	5.0	117	15.0	8.2	22.4	1.7	1.4	80	0.3				
12/08/2014																																								
11/11/2014	10.0	16.0	0.1	0.0	6.0	3.6	0.0	0.3	13.0	0.0	0.0	0.0	100	0.0	3.4	0.0	11.0	0.0	1.7	1.5	0.0	0.1	0.0	0.1	1.1	5.7	0.1	5.0	136	15.0	9.4	21.9	1.0	1.0	77	0.1				
10/02/2015	8.0	19.8	0.0	0.0	5.0	3.9	0.0	0.7	18.0	0.0	0.0	0.0	94	0.0	2.0	0.0	9.4	0.0	1.5	1.0	0.0	0.1	0.0	0.1	1.0	5.3	0.1	5.0	119	12.0	7.3	24.2	0.9	1.5	84	0.0				
12/05/2015	12.0	20.7	0.0	0.0	7.0	3.6	0.0	0.8	14.0	0.0	0.0	0.0	93	0.0	3.1	0.0	16.1	0.0	1.8	1.8	0.0	0.0	0.0	0.0	1.0	5.4	0.3	5.0	104	13.0	5.8	23.4	1.0	1.1	66	0.1				
12/08/2015	13.0	13.1	0.0	0.0	13.0	3.3	0.0	0.3	15.0	0.0	0.0	0.0	101	0.0	2.6	0.0	21.0	0.0	2.0	1.8	0.0	0.0	0.0	0.0	1.3	5.7	0.1	5.0	141	15.0	5.3	21.0	1.3	0.9	69	0.1				
11/11/2015	6.0	13.9	0.0	0.0	6.0	1.0	0.0	1.1	14.0	0.0	0.0	0.0	82	0.0	3.8	0.0	16.8	0.0	1.8	0.7	0.0	0.0	0.0	0.0	0.9	5.1	0.1	5.0	201	11.0	6.1	21.6	0.8	1.6	65	0.1				
9/02/2016	7.0	40.0	0.0	0.0	7.0	1.0	0.0	0.4	16.0	0.0	0.0	0.0	98	0.1	2.4	0.0	26.5	0.0	1.7	1.5	0.0	0.0	0.0	0.0	1.0	5.5	0.1	5.0	187	13.4	7.9	23.1	1.0	1.4	103	0.1				
10/05/2016	6.0	14.3	0.0	0.0	6.0	1.5	0.0	0.3	18.0	0.0	0.0	0.0	96	0.0	1.5	0.0	7.8	0.0	1.7	0.9	0.0	0.0	0.0	0.0	0.4	5.1	0.1	5.0	195	13.5	7.0	23.5	0.4	1.2	86	0.0				
10/08/2016	5.1		0.0		5.0	1.0		0.6	16.0				91		3.5	0.0			1.8			0.0	0.0	0.0	0.8	4.9	0.1	5.0	228	13.7	6.7	21.0	0.8	1.0	63					
8/11/2016	4.6		0.0		5.0	1.0		0.3	22.0				87		2.7	0.0			1.5			0.0	0.0	0.0	1.1	4.8	0.2	5.0	342	14.6	7.9	22.1	1.1	0.8	93					
8/02/2017	5.5		0.0		6.0	1.0		0.3	17.0				89		3.2	0.0			1.3			0.1	0.0	0.1	1.4	4.9	0.2	5.0	299	11.8	7.5	23.2	1.3	1.3	120					
9/05/2017	11.1	10.1	0.0	0.0	11.0	1.5	0.0	0.9	18.0	0.0	0.0	0.0	82	0.0	4.1	0.1	5.9	0.0	1.6	0.8	0.0	0.1	0.0	0.1	0.7	5.0	0.1	5.0	352	10.3	5.8	22.8	0.6	1.7	49	0.1				
9/08/2017	4.9		0.0		5.0	1.5		0.4	30.0				90		3.1	0.0			1.6			0.0	0.0	0.0	0.6	4.6	0.1	5.0	360	12.2	7.5	20.7	0.6	1.0	58		3.3			
8/11/2017	6.2		0.0		6.0	1.5		0.7	17.5				99		3.3	0.0			1.9			0.9	0.0	0.9	1.4	4.9	0.1	5.0	393	13.4	7.3	21.7	0.5	1.3	63		2.2			
14/02/2018	5.8		0.0		6.0	2.1		0.3	16.0				92		3.5	0.0			1.4			0.2	0.0	0.2	2.1	5.1	0.3	5.0	261	12.9	8.2	24.1	1.9	1.9	71		3.8			
9/05/2018	4.8	14.9	0.0	0.0	5.0	1.0	0.0	0.8	28.5	0.0	0.0	0.0	97	0.0	3.5	0.0	7.5	0.0	1.9	0.8	0.0	0.7	0.0	0.7	1.2	5.1	0.1	0.5	292	13.0	6.4	23.3	0.5	1.2	60	0.0	2.1			
15/08/2018	5.5		0.0		5.0	2.7		0.3	16.0				90		4.1	0.0			1.6			0.3	0.0	0.3	1.9	5.1	0.3	0.5	377	14.0	9.0	20.9	1.5	31.0	53		5.1			
14/11/2018	5.4		0.0		5.0	1.8		0.5	12.0				86		2.6	0.0			1.8			0.1	0.0	0.1	0.8	5.0	0.1	0.5	178	12.4	8.3	21.0	0.8	1.5	69		3.9			
12/02/2019																																								
15/05/2019	5.0	40.7	0.0	0.0	5.0	1.2	0.0	0.9	18.0	0.0	0.0	0.0	87	0.0	3.6	0.2	19.8	0.0	1.9	0.6	0.0	0.6	0.0	0.6	1.6	5.0	0.4	0.6	246	12.0	6.7	22.9	1.0	0.9	54	0.1	2.6			
14/08/2019	4.0		0.0		4.0	1.0		0.6	14.0				86		3.6	0.0			1.9			0.7	0.0	0.7	1.4	5.0	0.2	0.5	400	12.0	8.2	20.3	0.8	1.4	47		3.1			
12/11/2019																																								
26/02/2020	6.0		0.0		6.0	1.0		2.8	10.0				78.0		3.1	0.0			1.6			2.7	0.0	2.7	3.2	5.4	0.1	1.1	164.4	7.3	4.2	25.2	0.5	2.1	29.0		1.5			
13/05/2020	4.0	22.8	0.0	0.0	4.0	1.0	0.0	0.4	18.0	0.0	0.0	0.0	83.0	0.0	2.9	0.1	12.3	0.0	1.4	0.5	0.0	0.2	0.0	0.2	0.9	4.9	0.1	0.5	232.8	11.0	7.6	22.6	0.7	1.0	52.0	0.1	3.0			
12/08/2020	6.0		0.0		6.0	1.0		0.6	12.0				66.0		3.1	0.0			1.3			0.1	0.0	0.1	0.6	4.9	0.1	0.5	281.1	9.4	6.7	19.7	0.6	1.3	46.0		2.0			
11/11/2020	4.0		0.0		4.0	1.0		1.0	14.0				87.0		3.8	0.1			1.9			1.7	0.0	1.7	2.5	4.8	0.1	0.5	350.4	11.0	6.1	21.1	0.8	1.0	43.0		3.3			
2020 Min	4.0	22.8	0.0	0.0	4.0	1.0	0.0	0.4	10.0	0.0	0.0	0.0	66.0	0.0	2.9	0.0	12.3	0.0	1.3	0.5	0.0	0.1	0.0	<																

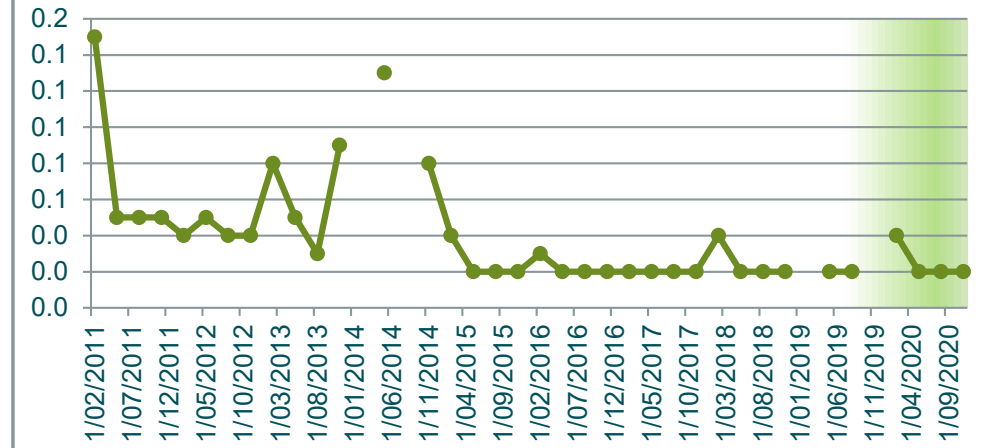
Alkalinity
mg/L as CaCO₃



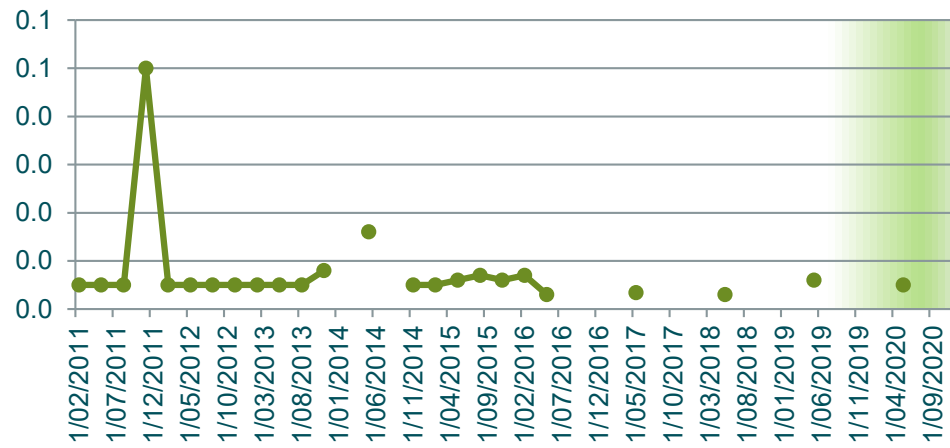
Aluminium (Total)
mg/L



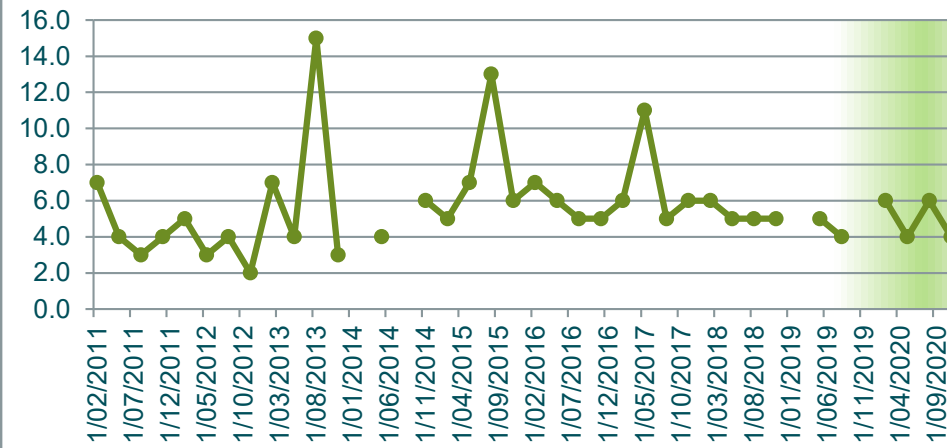
Ammonia
mg/L



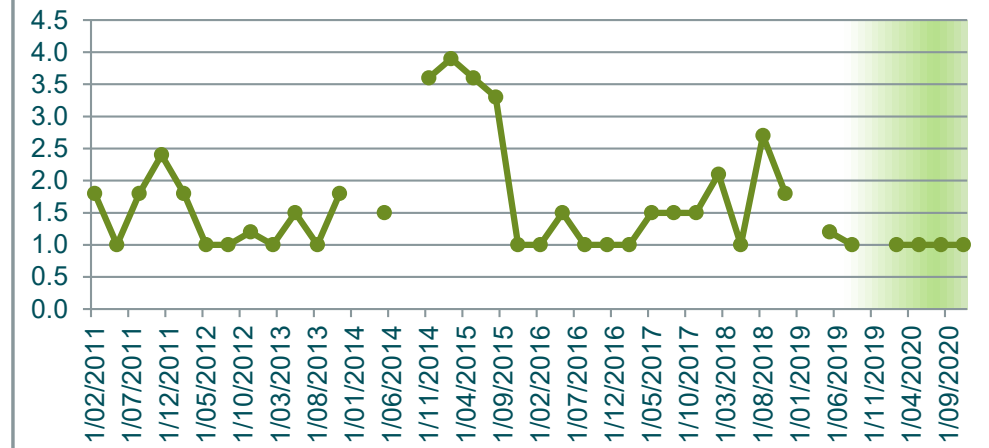
Arsenic (Total)
mg/L



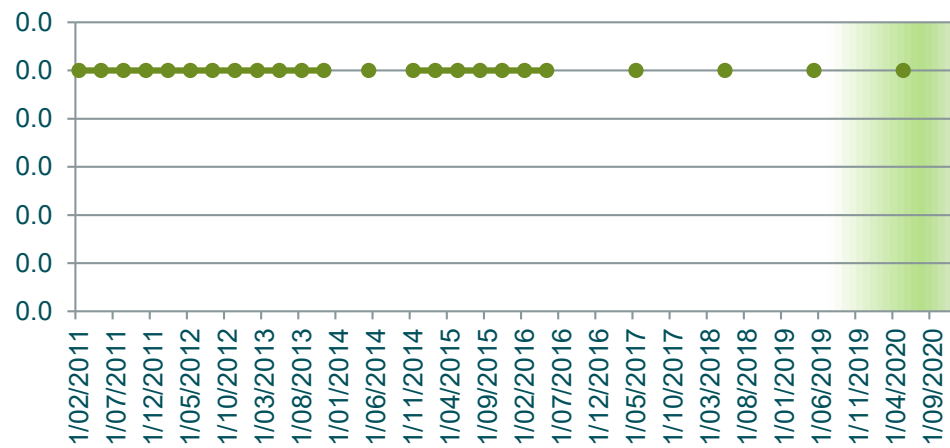
Bicarbonate HCO₃
mg/L



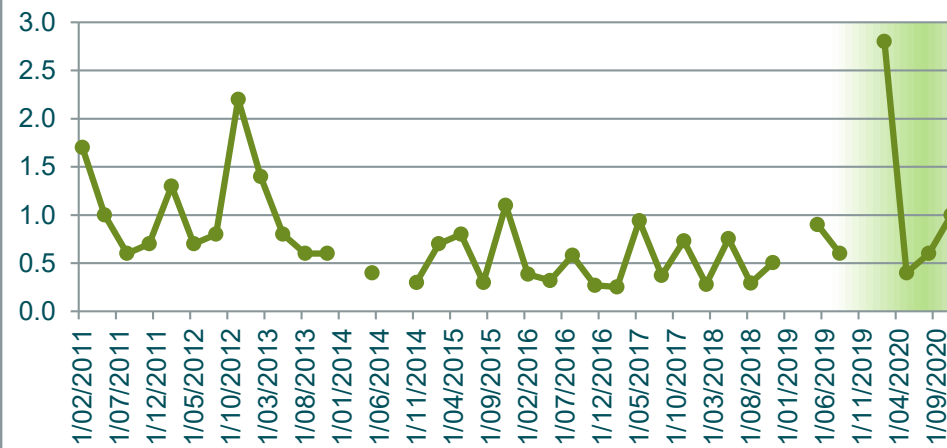
BOD₅
mg/L



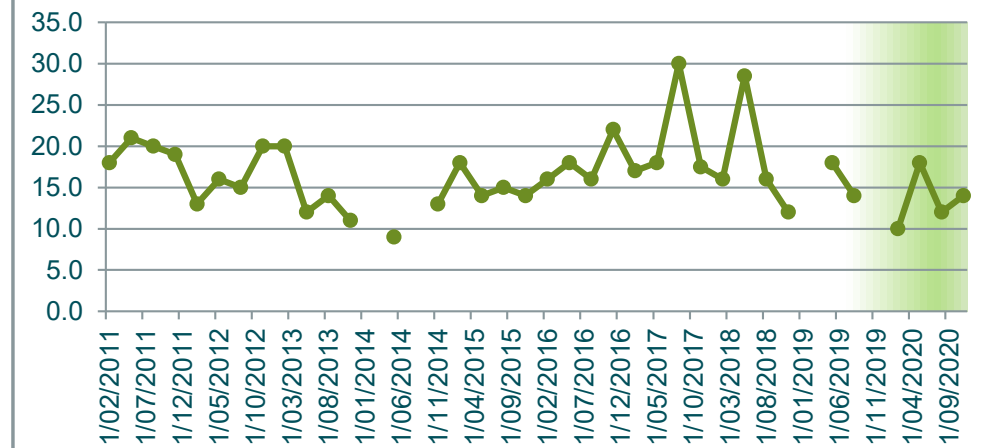
Cadmium (Total)
mg/L



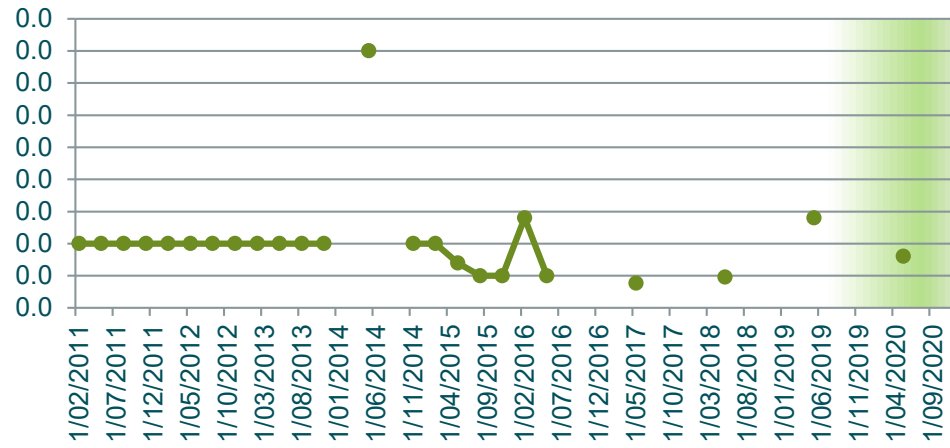
Calcium (Total)
mg/L



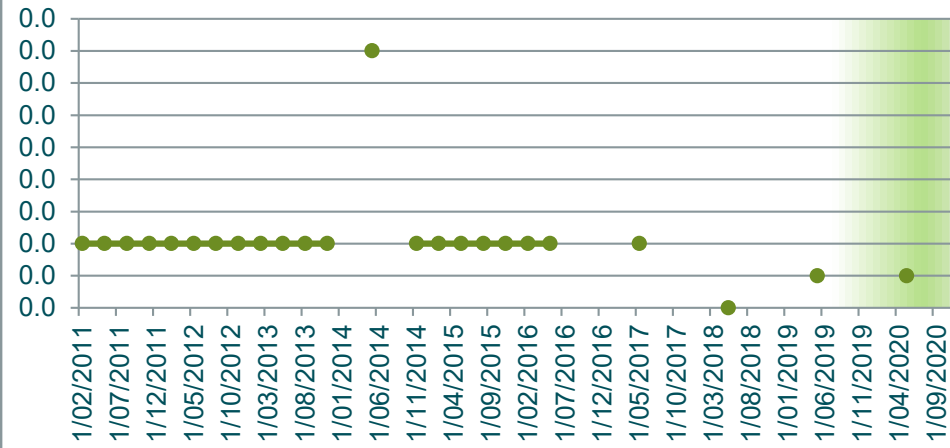
Chloride
mg/L



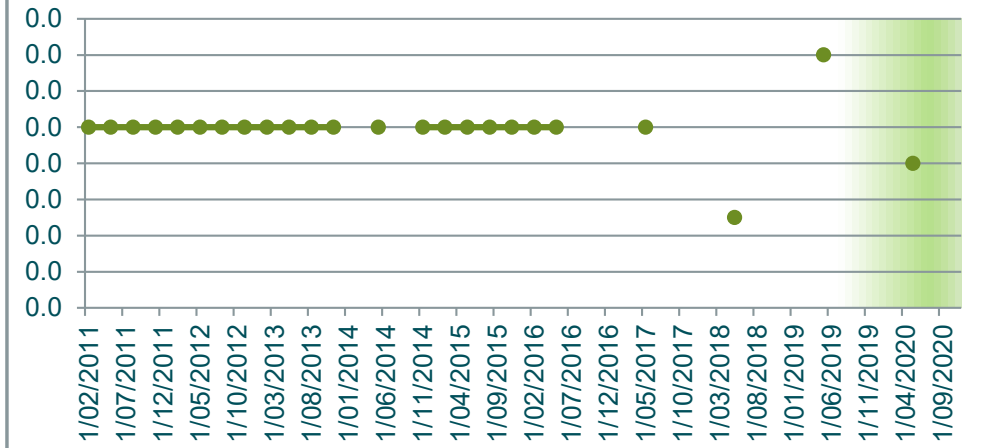
Chromium (Total) mg/L



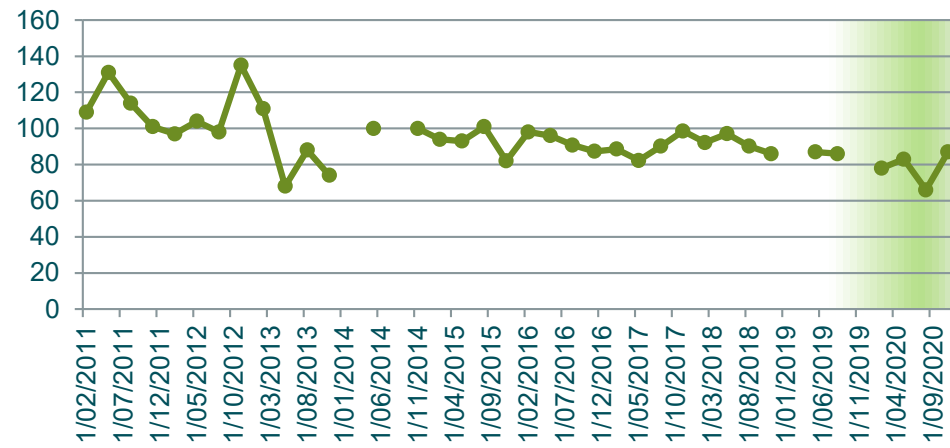
Chromium 3 mg/L



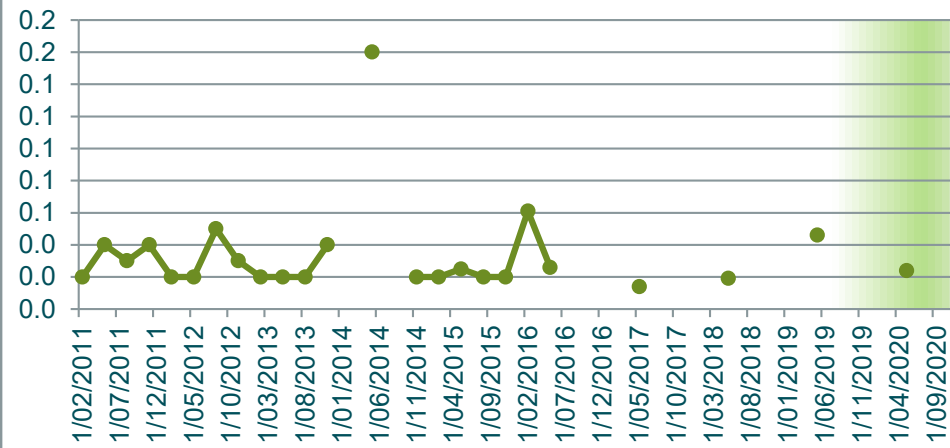
Chromium 6 mg/L



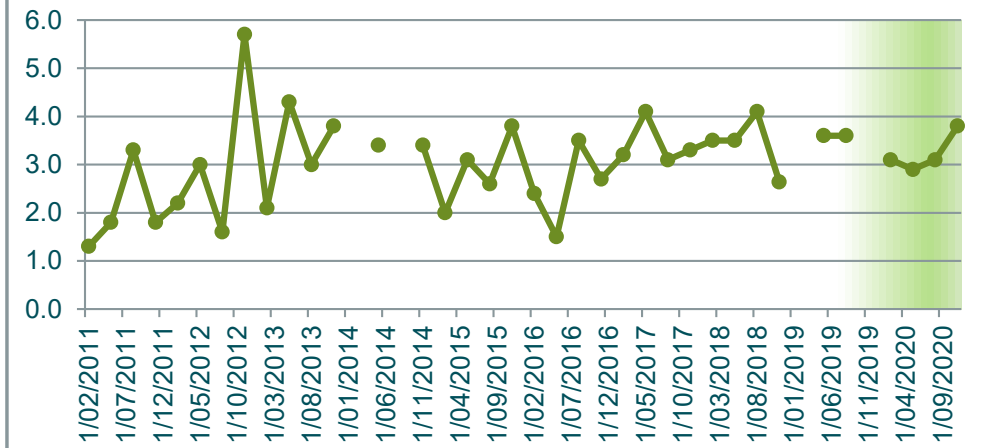
Conductivity µScm-1



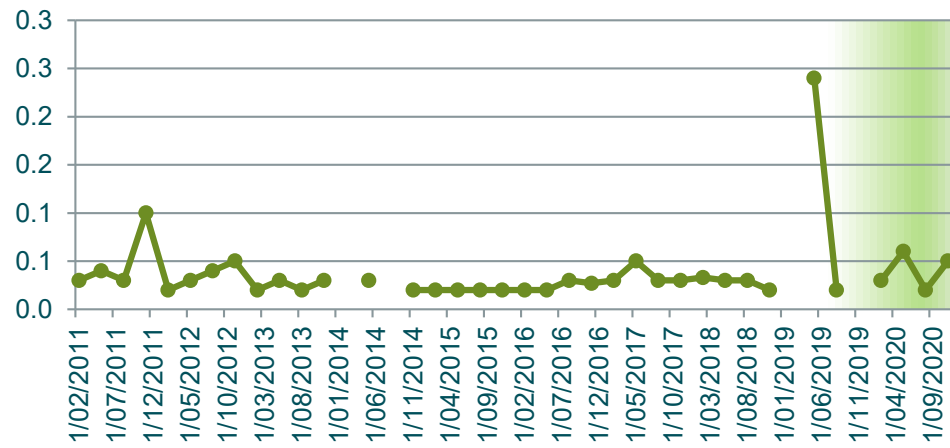
Copper (Total) mg/L



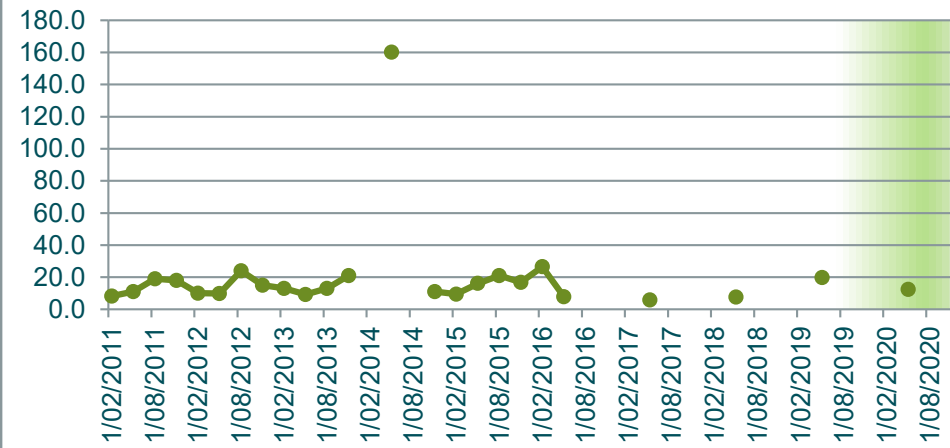
DO (Membrane Electrode) mg/L



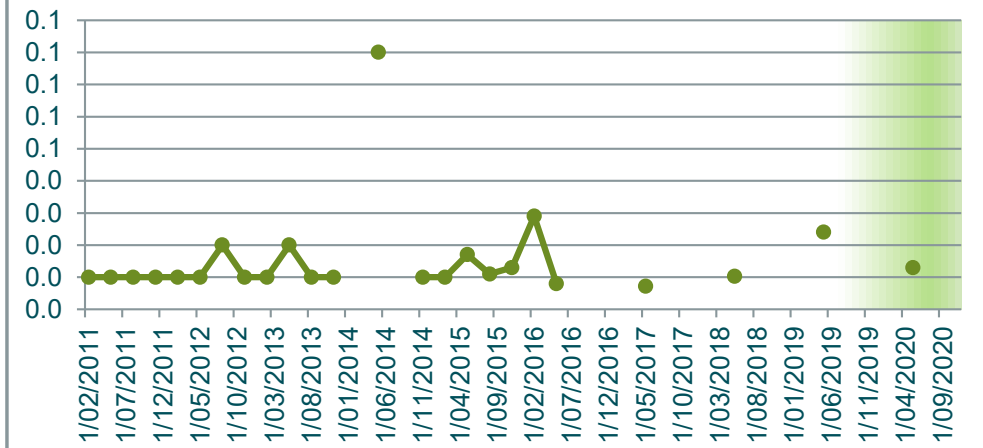
Flouride mg/L



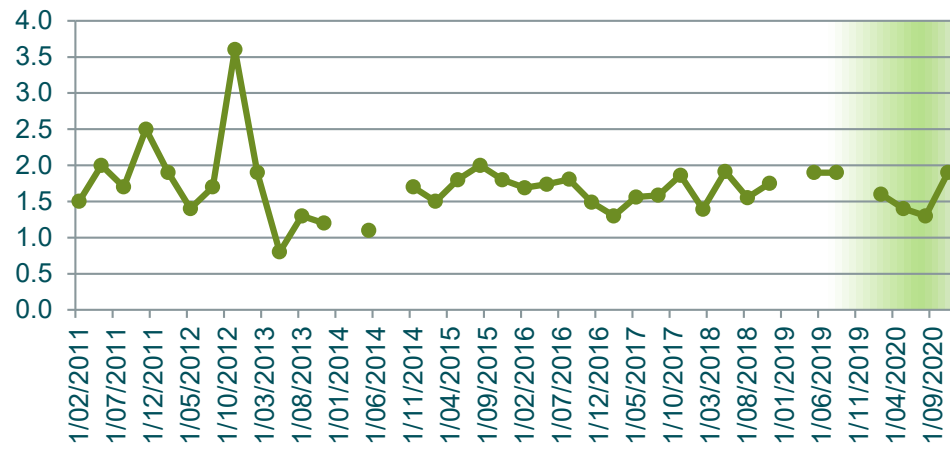
Iron Total mg/L



Lead (Total) mg/L



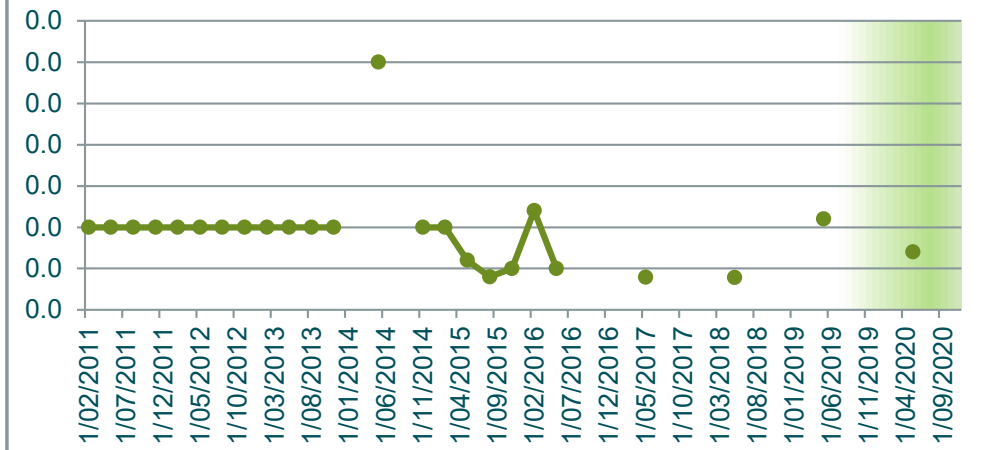
Magnesium (Total) mg/L



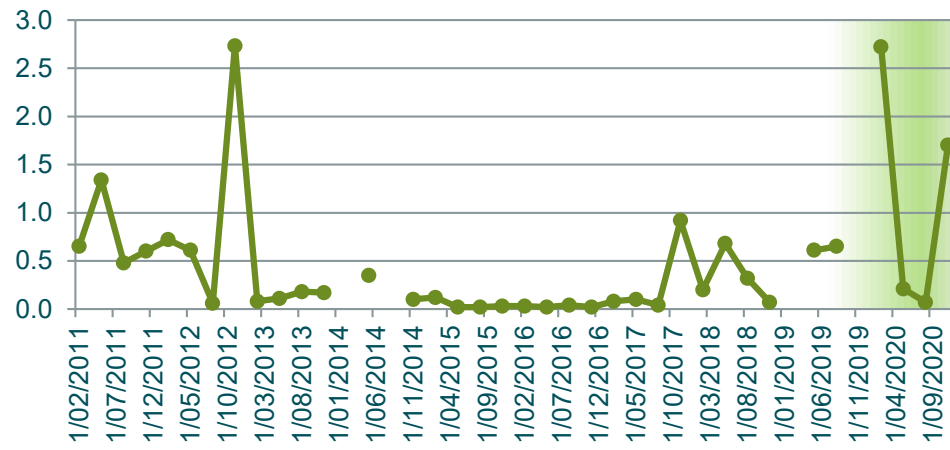
Manganese Total mg/L



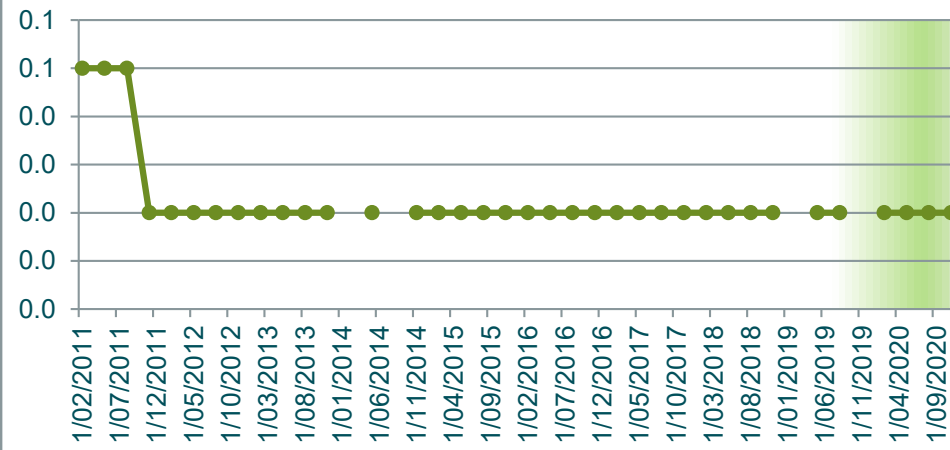
Nickel (Total) mg/L



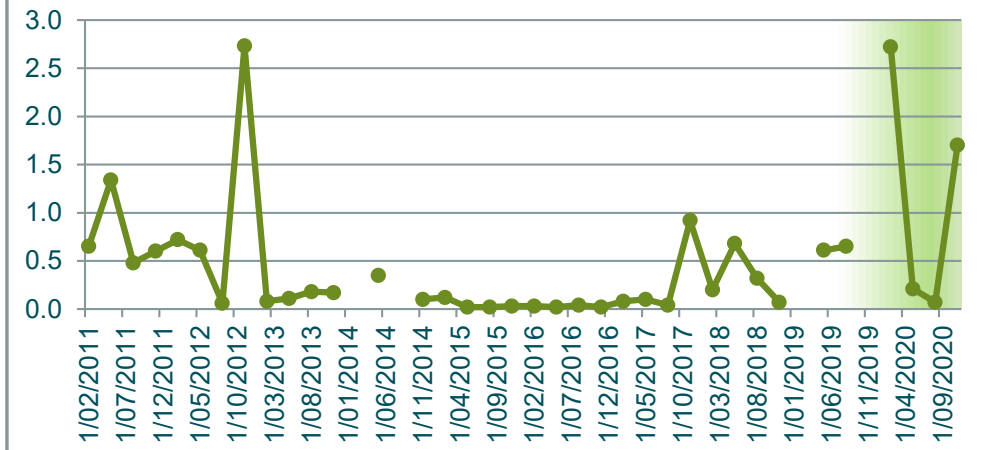
Nitrate N mg/L



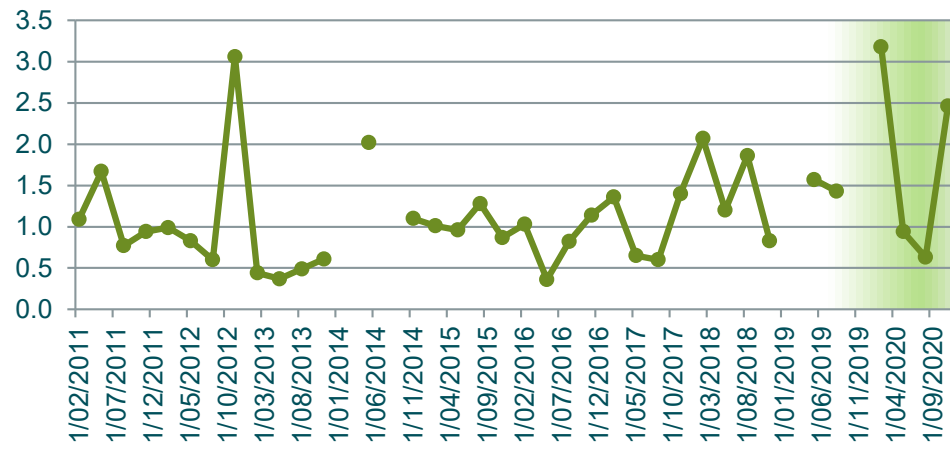
Nitrite N mg/L



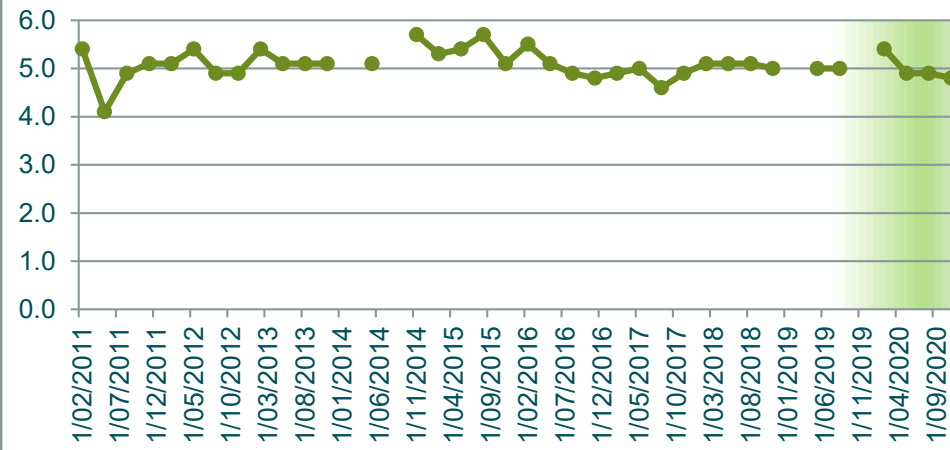
Nitrogen Oxidised mg/L



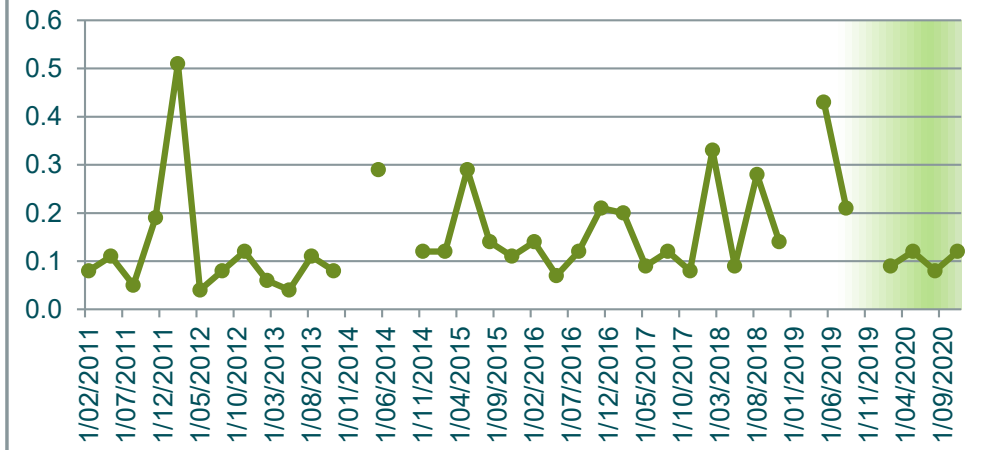
Nitrogen Total mg/L



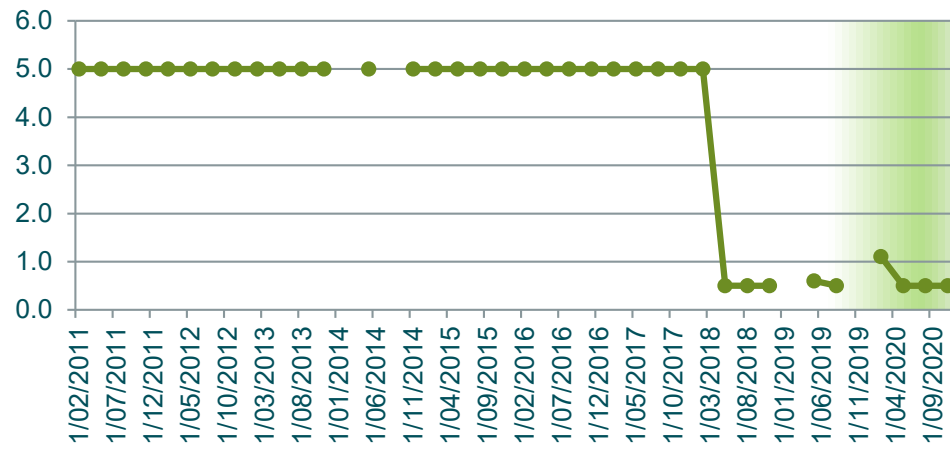
pH pH units



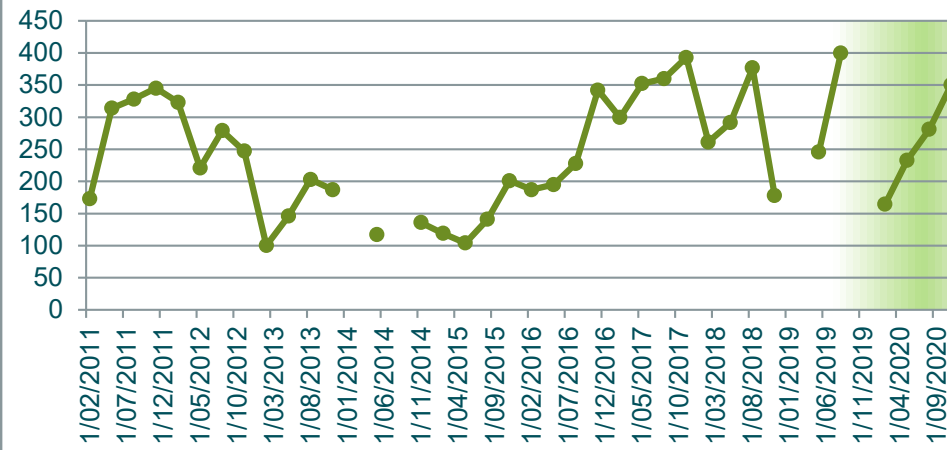
Phosphorus Total mg/L



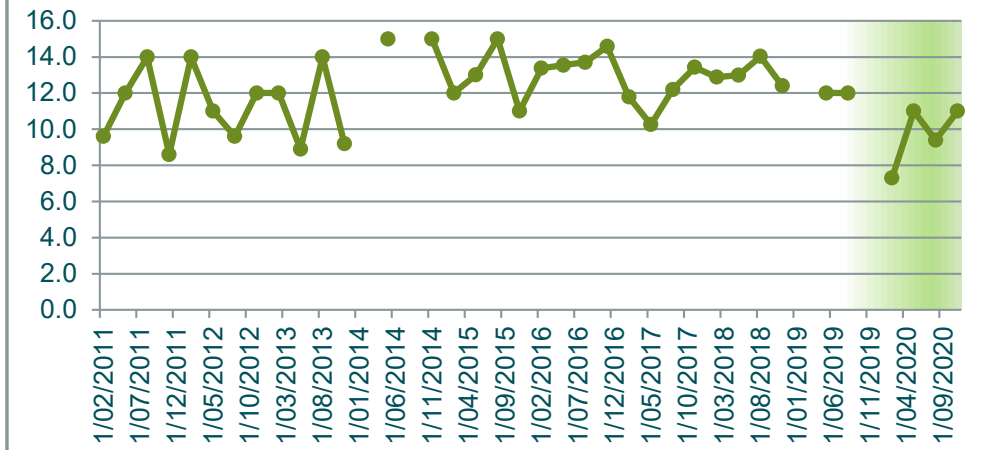
**Potassium Total
mg/L**



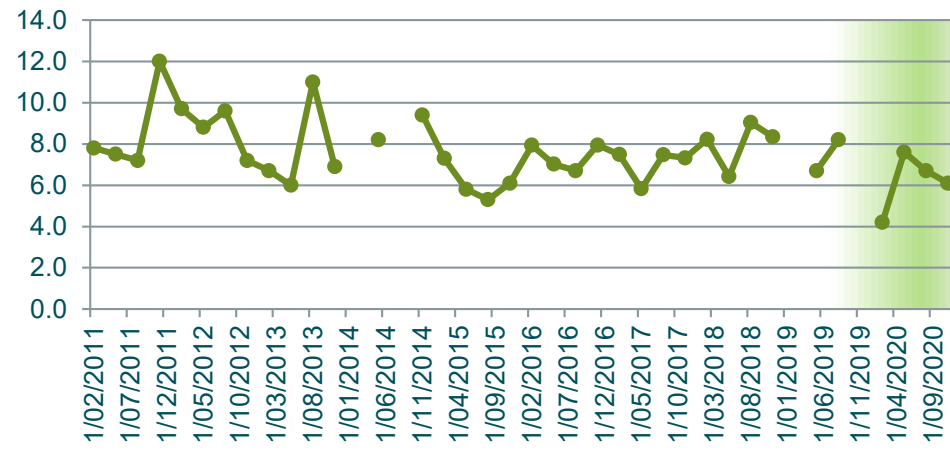
**Redox Potential
mV**



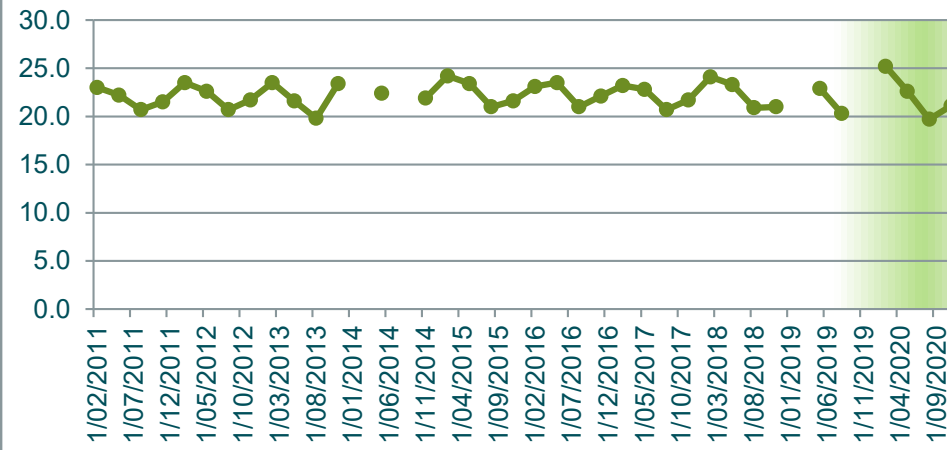
**Sodium (Total)
mg/L**



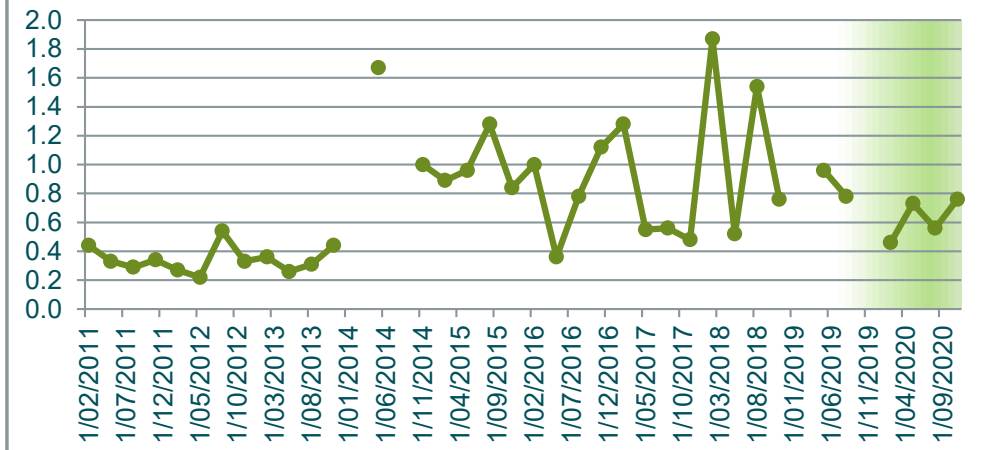
**Sulphate
mg/L**



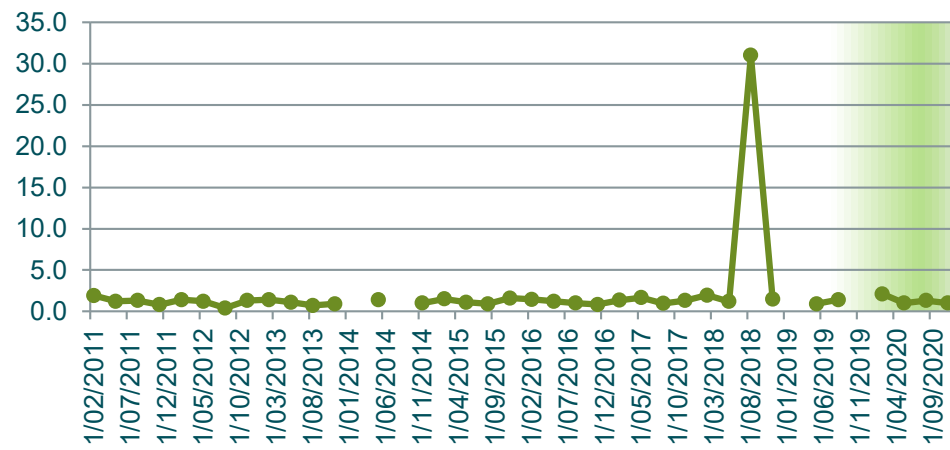
**Temperature
C**



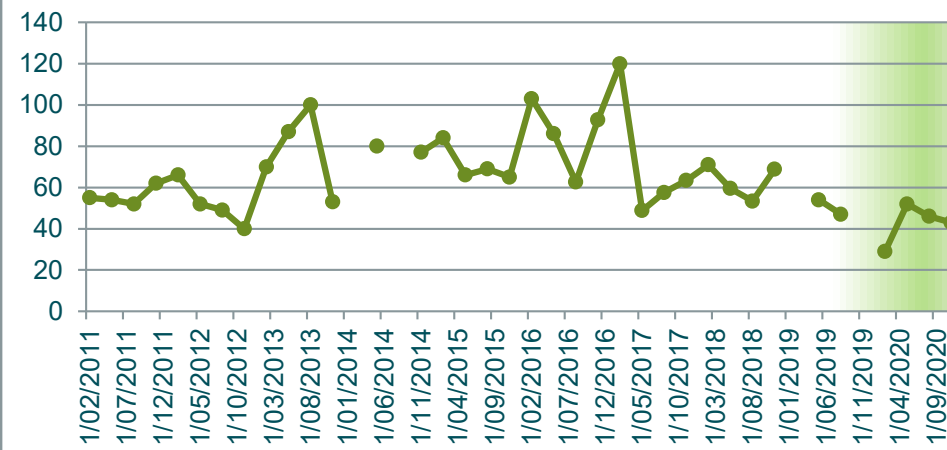
**TKN
mg/L**



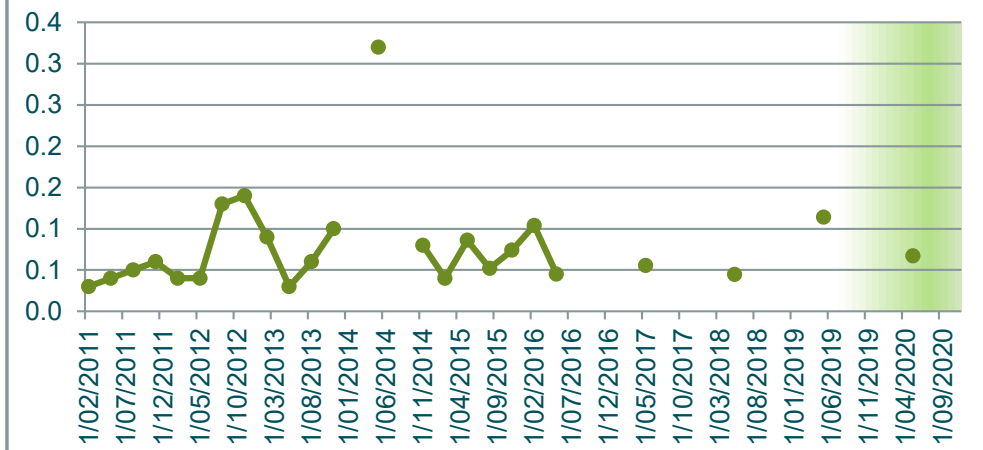
**TOC
mg/L**



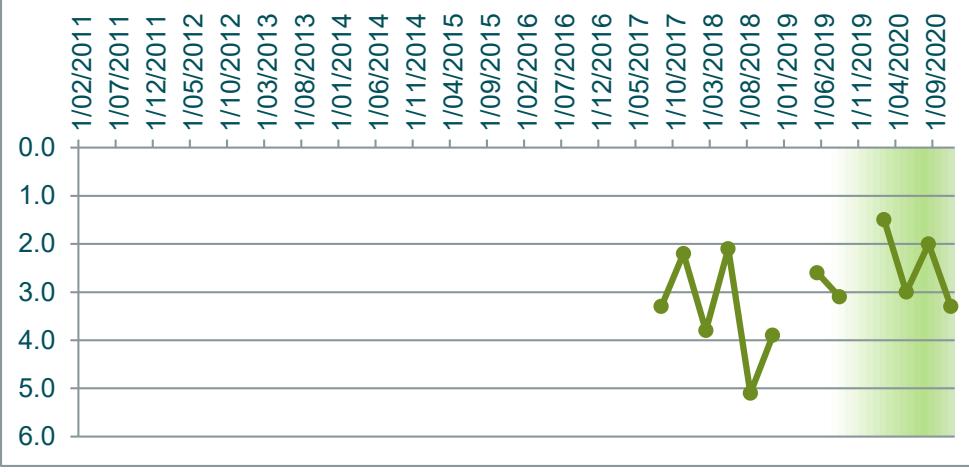
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**

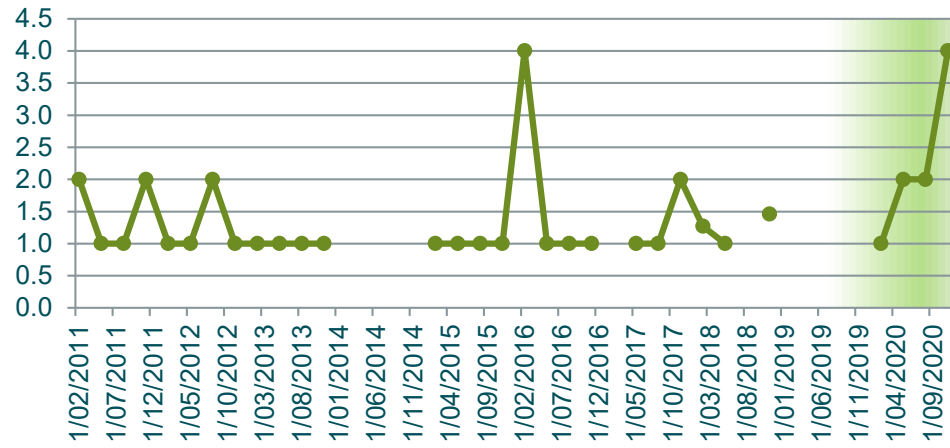


Depth to Groundwater m

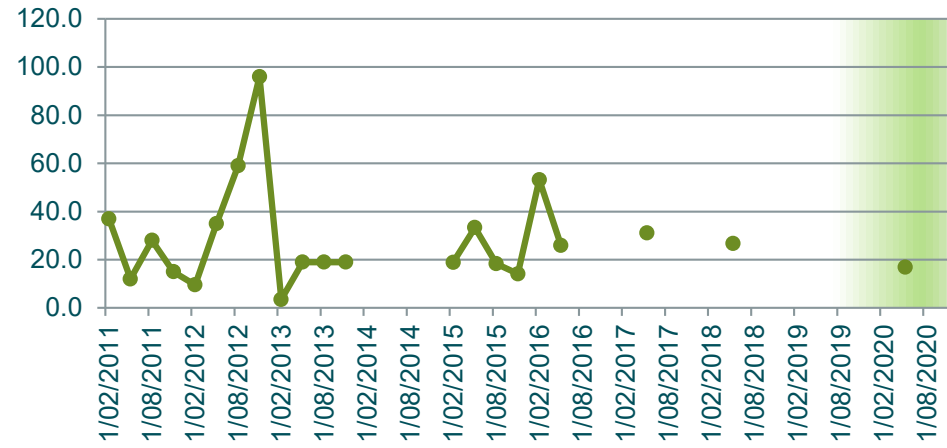


GW14	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	
1/02/2011	2.0	37.0	0.1	0.0	1.0	1.0	0.0	0.8	35.0	0.0	0.0	0.0	137	0.0	3.9	0.0	45.0	0.1	0.9	0.1	0.0	0.3	0.1	0.3	0.5	4.9	0.2	5.0	202	13.0	7.1	24.1	0.2	2.7	45	0.0	
11/05/2011	1.0	12.0	0.1	0.0	NT	1.0	0.0	0.6	36.0	0.0	0.0	0.0	171	0.0	3.1	0.0	14.0	0.0	1.6	0.0	0.0	0.5	0.1	0.5	0.8	3.7	0.2	5.0	341	19.0	6.6	22.0	0.3	1.0	73	0.0	
10/08/2011	1.0	28.0	0.1	0.0	1.0	2.7	0.0	0.5	32.0	0.0	0.0	0.0	156	0.0	3.3	0.0	29.0	0.0	1.4	0.0	0.0	0.5	0.1	0.5	0.6	4.4	0.1	5.0	357	20.0	6.2	20.0	0.2	1.6	77	0.0	
9/11/2011	2.0	15.0	0.1	0.0	1.0	5.4	0.0	21.0	34.0	0.0	0.0	0.0	133	0.0	3.0	0.1	19.0	0.0	20.0	0.1	0.0	0.4	0.0	0.4	0.8	4.6	0.3	8.0	380	96.0	44.0	22.1	0.4	0.7	72	0.0	
7/02/2012	1.0	9.5	0.0	0.0	1.0	1.8	0.0	0.7	33.0	0.0	0.0	0.0	144	0.0	3.8	0.0	11.0	0.0	1.7	0.1	0.0	0.5	0.0	0.5	0.7	4.5	0.6	5.0	347	23.0	8.8	23.3	0.3	0.1	58	0.0	
9/05/2012	1.0	35.0	0.0	0.0	1.0	1.0	0.0	0.6	30.0	0.0	0.0	0.0	153	0.0	4.5	0.0	40.0	0.0	1.5	0.1	0.0	0.5	0.0	0.5	0.7	4.5	0.1	5.0	328	17.0	6.8	22.3	0.3	1.1	71	0.1	
7/08/2012	2.0	59.0	0.0	0.0	1.0	1.0	0.0	1.0	30.0	0.0	0.0	0.0	146	0.1	3.0	0.1	70.0	0.1	1.8	0.2	0.0	0.5	0.0	0.5	0.7	4.3	0.1	5.0	304	15.0	6.6	20.0	0.2	0.6	76	0.1	
14/11/2012	1.0	96.0	0.1	0.0	1.0	1.0	0.0	0.6	28.0	0.0	0.0	0.0	131	0.1	3.2	0.1	94.0	0.1	1.4	0.2	0.0	0.2	0.0	0.2	0.8	4.5	0.3	5.0	280	14.0	6.2	22.1	0.5	0.5	269	0.1	
14/02/2013	1.0	3.5	0.1	0.0		1.0	0.0	0.6	25.0	0.0	0.0	0.0	140	0.0	3.6	0.0	3.4	0.0	1.3	0.0	0.0	0.9	0.0	0.9	1.1	4.4	0.2	5.0	278	19.0	8.0	24.1	0.2	1.1	58	0.0	
15/05/2013	1.0	19.0	0.0	0.0	1.0	1.0	0.0	0.6	30.0	0.0	0.0	0.0	139	0.0	4.6	0.0	19.0	0.0	1.1	0.1	0.0	0.5	0.0	0.5	0.7	4.5	0.1	5.0	192	19.0	6.6	22.2	0.3	0.4	111	0.0	
7/08/2013	1.0	19.0	0.0	0.0	1.0	1.0	0.0	0.6	38.0	0.0	0.0	0.0	139	0.0	4.5	0.0	16.0	0.0	1.3	0.0	0.0	0.5	0.0	0.5	0.7	4.5	0.3	5.0	250	21.0	8.3	19.9	0.2	0.6	120	0.0	
13/11/2013	1.0	19.0	0.1	0.0	1.0	1.8	0.0	0.5	30.0	0.0	0.0	0.0	145	0.0	4.0	0.0	20.0	0.0	1.5	0.1	0.0	0.4	0.0	0.4	1.0	4.6	0.1	5.0	243	20.0	7.6	21.3	0.5	0.9	67	0.1	
11/02/2014																																					
13/05/2014																																					
12/08/2014																																					
10/11/2014																																					
10/02/2015	1.0	18.9	0.0	0.0	1.0	1.2	0.0	0.6	31.0	0.0	0.0	0.0	130	0.0	4.3	0.0	17.3	0.0	1.3	0.1	0.0	0.6	0.0	0.6	1.4	4.6	0.1	5.0	213	17.0	8.1	23.3	0.8	0.7	66	0.1	
12/05/2015	1.0	33.3	0.0	0.0	1.0	2.1	0.0	0.6	29.0	0.0	0.0	0.0	129	0.0	5.3	0.0	25.4	0.0	1.5	0.1	0.0	0.5	0.0	0.5	1.2	4.5	0.1	5.0	226	21.0	6.0	22.1	0.7	0.3	68	0.1	
12/08/2015	1.0	18.3	0.0	0.0	1.0	1.0	0.0	0.6	30.0	0.0	0.0	0.0	129	0.0	4.9	0.0	15.1	0.0	1.5	0.1	0.0	0.4	0.0	0.4	0.8	4.6	0.1	5.0	232	20.0	5.8	19.8	0.4	0.4	74	0.0	
11/11/2015	1.0	14.1	0.0	0.0	1.0	1.0	0.0	0.8	23.0	0.0	0.0	0.0	121	0.0	4.8	0.0	10.1	0.0	1.4	0.1	0.0	1.4	0.0	1.4	1.6	4.5	0.1	5.0	222	16.0	6.2	20.8	0.3	0.6	64	0.0	
9/02/2016	4.0	53.2	0.0	0.0	4.0	1.0	0.0	0.5	26.0	0.0	0.0	0.0	122	0.0	3.9	0.0	44.2	0.0	1.4	0.1	0.0	0.7	0.0	0.7	1.7	4.5	0.1	5.0	245	17.5	6.5	22.4	1.0	0.7	145	0.0	
10/05/2016	1.0	25.9	0.0	0.0	1.0	1.0	0.0	0.5	28.0	0.0	0.0	0.0	127	0.0	2.0	0.0	25.0	0.0	1.3	0.1	0.0	0.5	0.0	0.5	0.8	4.5	0.1	5.0	242	17.1	6.0	22.6	0.3	0.4	86	0.0	
10/08/2016	1.0		0.0		1.0	1.0		0.6	26.0				126		4.2	0.0			1.3			0.7	0.0	0.7	1.6	4.4	0.1	5.0	250	18.7	6.5	20.0	0.9	0.5	103		
8/11/2016	1.0		0.0		1.0	1.0		0.6	13.0				124		2.8	0.0			1.6			0.4	0.0	0.4	1.0	4.4	0.1	5.0	445	19.5	6.3	21.2	0.6	1.0	119		
7/02/2017																																					
9/05/2017	1.0	31.1	0.0	0.0		1.0	0.0	1.6	17.0	0.0	0.0	0.0	109	0.0	6.8	0.0	32.0	0.0	1.7	0.1	0.0	3.0	0.0	3.0	3.6	4.4	0.1	5.0	435	12.6	4.7	22.1	0.6	1.0	54	0.0	
9/08/2017	1.0		0.0			1.0		0.6	80.0				126		4.2	0.0			1.2			0.5	0.0	0.5	1.2	4.3	0.2	5.0	345	16.9	6.6	20.4	0.8	0.9	89		
8/11/2017	2.0		0.0		2.0	1.0		0.5	27.5				125		4.0	0.0			1.5			0.6	0.0	0.6	1.0	4.3	0.1	5.0	468	18.6	6.0	21.0	0.4	1.2	82		
14/02/2018	1.3		0.1		1.0	3.3		0.2	26.0				122		4.6	0.0			0.6			0.5	0.0	0.5	2.7	5.0	0.3	5.0	242	17.3	7.9	23.7	2.2	0.8	229		
9/05/2018	1.0	26.7	0.0	0.0		1.2	0.0	0.5	28.5	0.0	0.0	0.0	121	0.0	3.9	0.0	24.5	0.0	1.3	0.1	0.0	0.8	0.0	0.8	1.4	4.6	0.1	0.5	322	16.9	6.8	22.9	0.6	1.1	72	0.0	
15/08/2018																																					
14/11/2018	1.5		0.0		1.0	1.2		0.9	20.0				118		5.7	0.0			1.5			0.9	0.0	0.9	1.8	4.8	0.3	0.5	121	18.0	7.2	21.4	0.9	1.1	69		
13/02/2019																																					
15/05/2019																																					
14/08/2019																																					
12/11/2019																																					
26/02/2020	1.0		0.0		1.0	1.0		1.1	17.0				81.0		3.9	0.0			1.0			0.3	0.0	0.3	0.5	4.7	0.1	0.5	313.1	9.3	5.3	24.7	0.2	1.2	43.0		
13/05/2020	2.0	16.9	0.0	0.0	2.0	1.0	0.0	0.6	27.0	0.0	0.0	0.0	118.0	0.0	3.2	0.0	12.6	0.0	1.4	0.1	0.0	0.2	0.0	0.2	0.6	4.6	0.1	0.5	286.0	16.0	7.5	22.3	0.4	0.7	64.0	0.0	
12/08/2020	2.0		0.0		2.0	1.0		0.5	23.0				113.0		3.6	0.0			1.4			0.5	0.0	0.5	0.9	4.6	0.1	0.5	256.0	17.0	6.6	19.9	0.4	0.7	74.0		
11/11/2020	4.0		0.0		4.0	1.0		0.5	26.0				121.0		3.5	0.0			1.4			0.6	0.0	0.6	1.4	4.3	0.1	0.6	305.1	17.0	6.8	21.0	0.8	0.9	68.0		
2020 Min	1.0	16.9	0.0	0.0	1.0	1.0	0.0	0.5	17.0	0.0	0.0	0.0	81.0	0.0	3.2	0.0	12.6	0.0	1.0	0.1	0.0	0.2	0.0	0.2	0.5	4.3	0.1	0.5	256.0	9.3	5.3	19.9	0.2	0.7	43.0	0.0	
2020 Max	4.0	16.9	0.0	0.0	4.0	1.0	0.0	1.1	27.0	0.0	0.0	0.0	121.0	0.0	3.9	0.0	12.6	0.0	1.4	0.1	0.0	0.6	0.0	0.6	1.4	4.7	0.1	0.6	313.1	17.0	7.5	24.7	0.8	1.2	74.0	0.0	
2020 Mean	2.3	16.9	0.0	0.0	2.3	1.0	0.0	0.7	23.3	0.0	0.0	0.0	108.3	0.0	3.6	0.0	12.6	0.0	1.3	0.1	0.0	0.4	0.0	0.4	0.9	4.6	0.1	0.5	290.1	14.8	6.6	22.0	0.5	0.9	62.3	0.0	
Long-term Average	1.4	28.1	0.0	0.0	1.4	1.4	0.0	1.3	29.3	0.0	0.0	0.0	129.9	0.0	4.0	0.0	27.9	0.0	2.0	0.1	0.0	0.6	0.0	0.6	1.1	4.5	0.2	4.2	289.0	20.1	8.0	21.8	0.5	0.8	88.8		

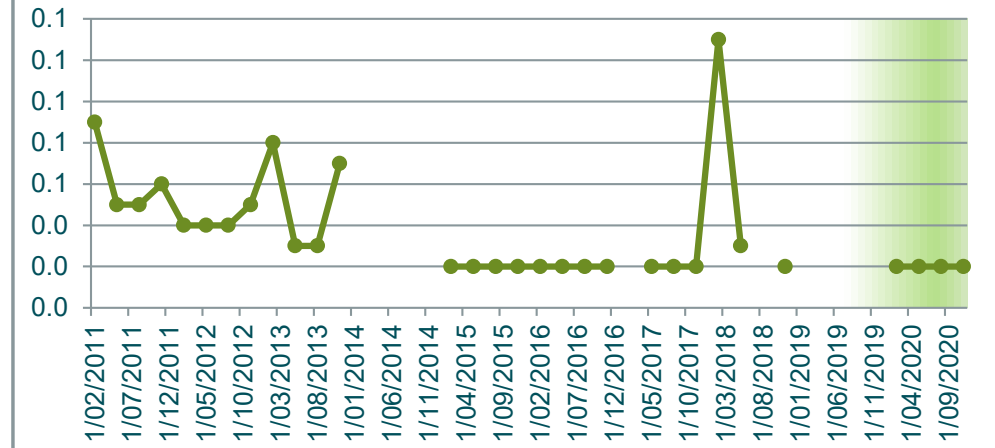
Alkalinity
mg/L as CaCO₃



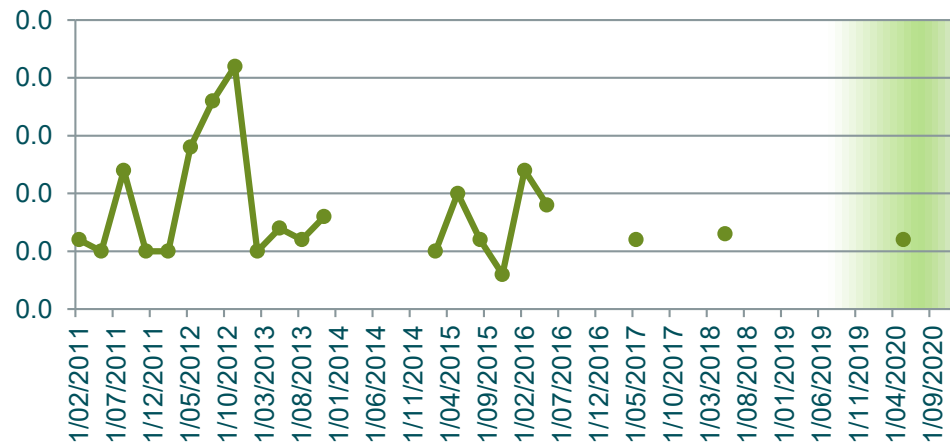
Aluminium (Total)
mg/L



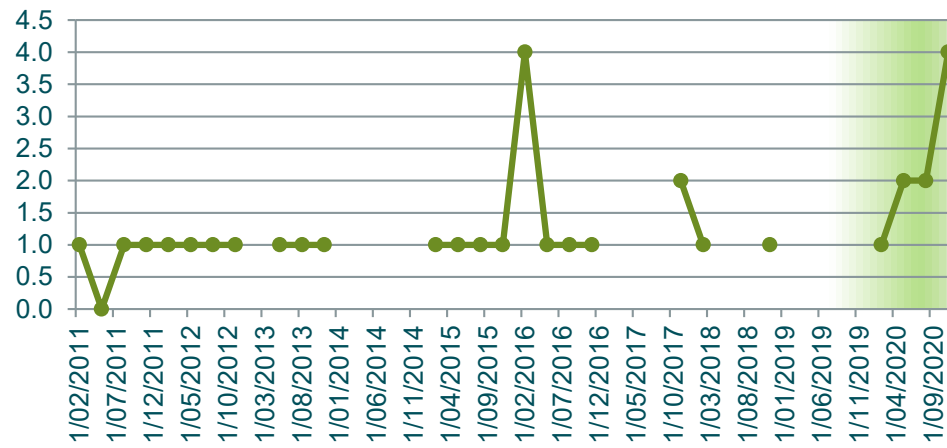
Ammonia
mg/L



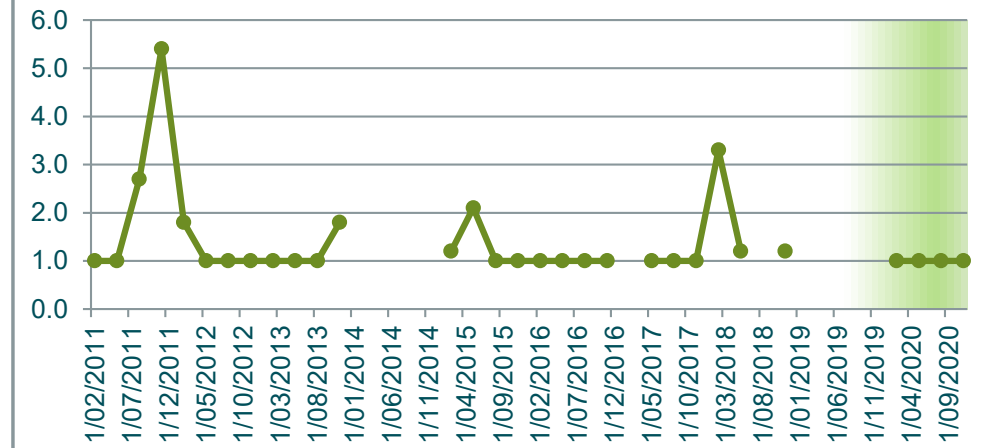
Arsenic (Total)
mg/L



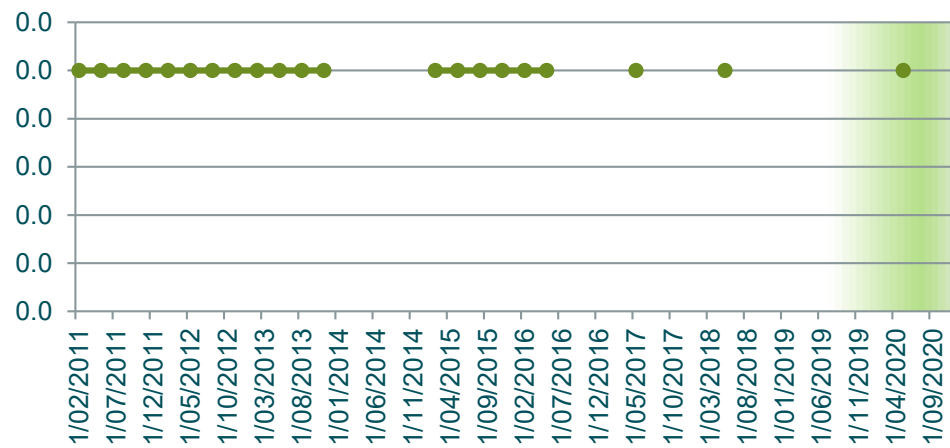
Bicarbonate HCO₃
mg/L



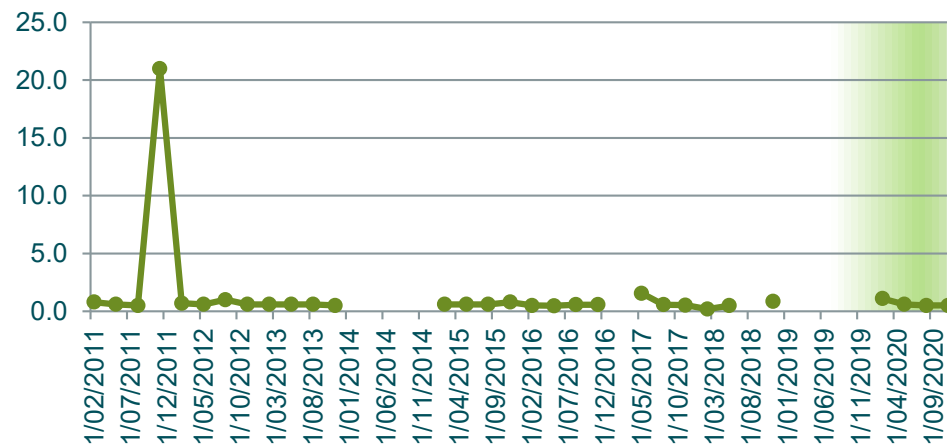
BOD₅
mg/L



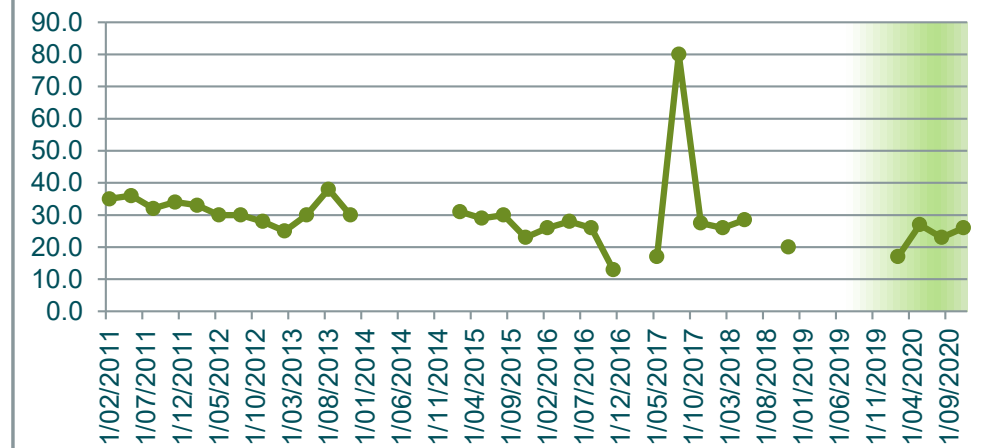
Cadmium (Total)
mg/L



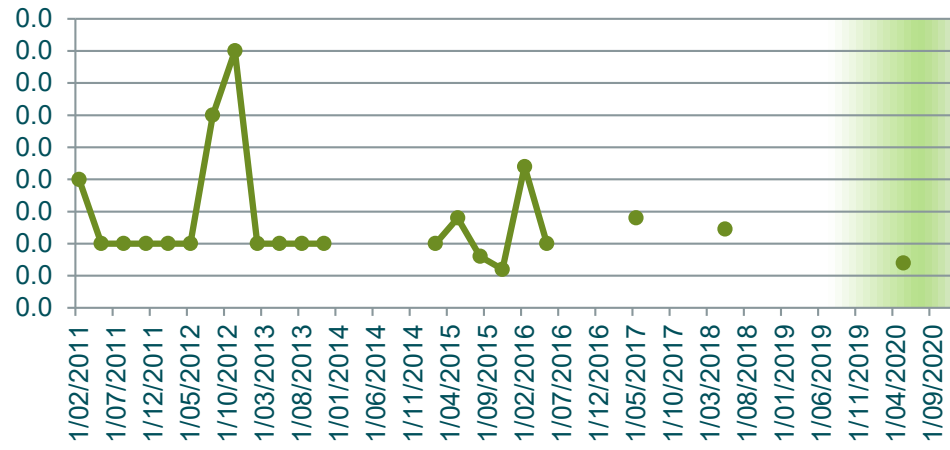
Calcium (Total)
mg/L



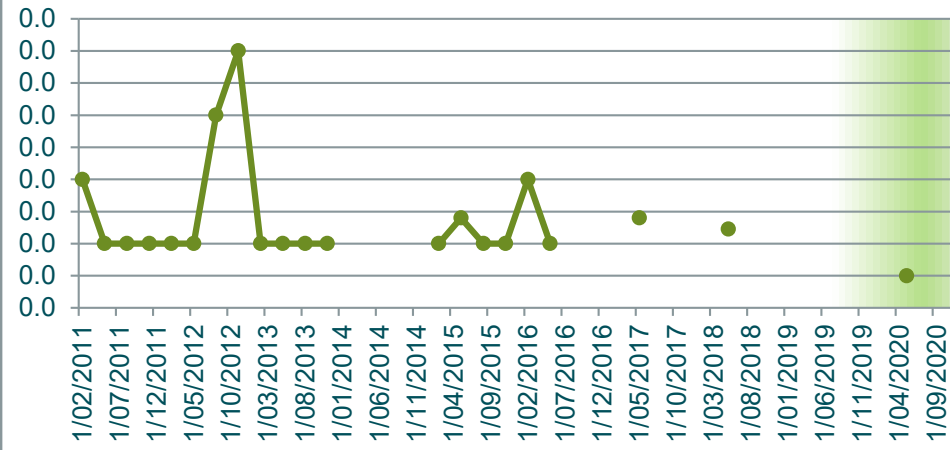
Chloride
mg/L



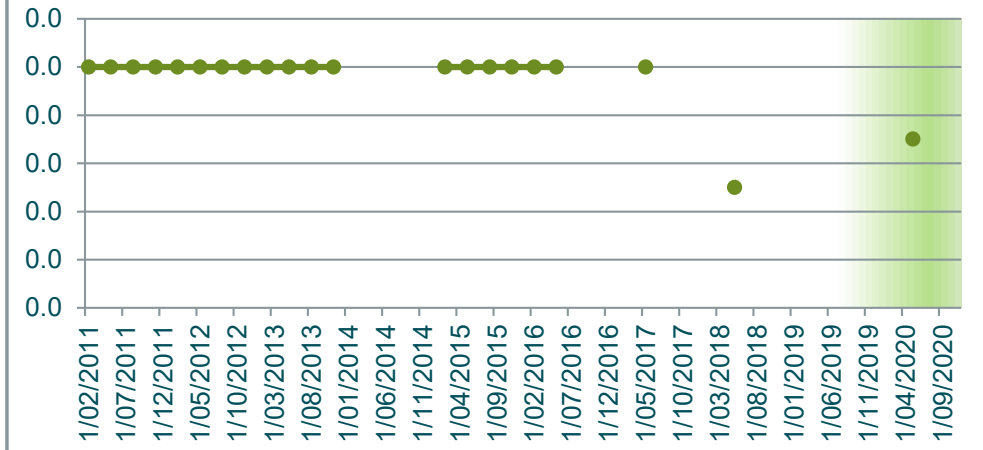
Chromium (Total) mg/L



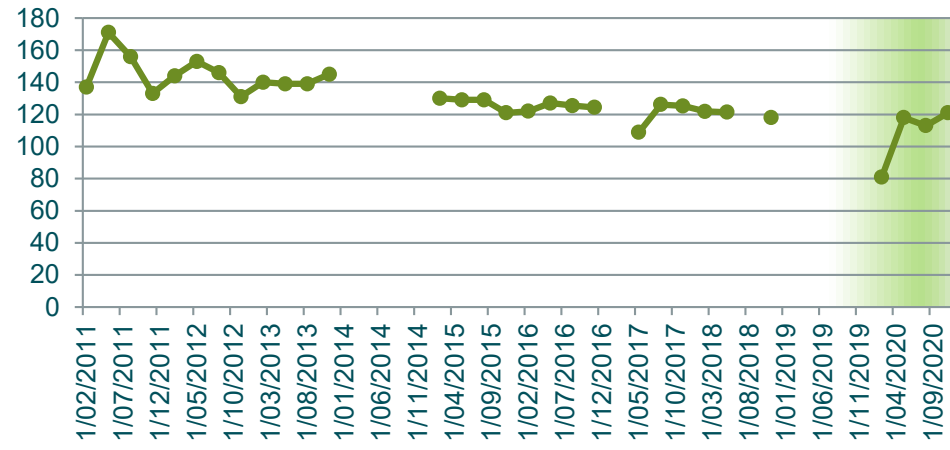
Chromium 3 mg/L



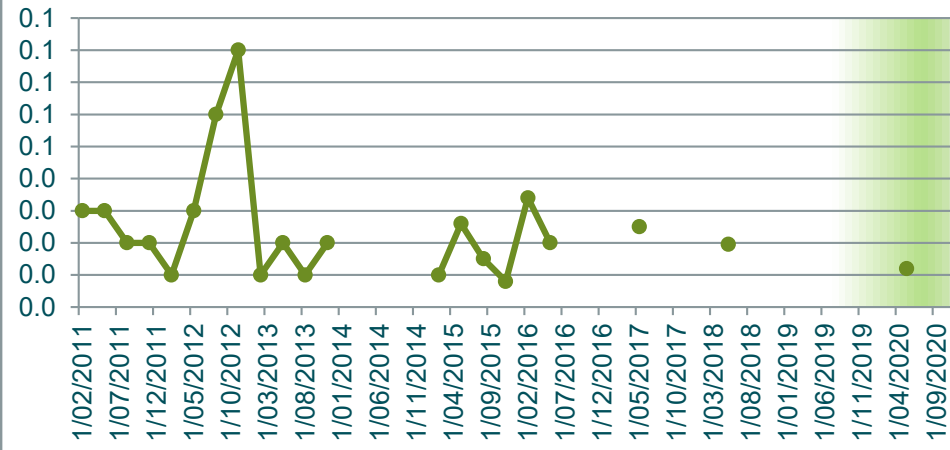
Chromium 6 mg/L



Conductivity µScm-1



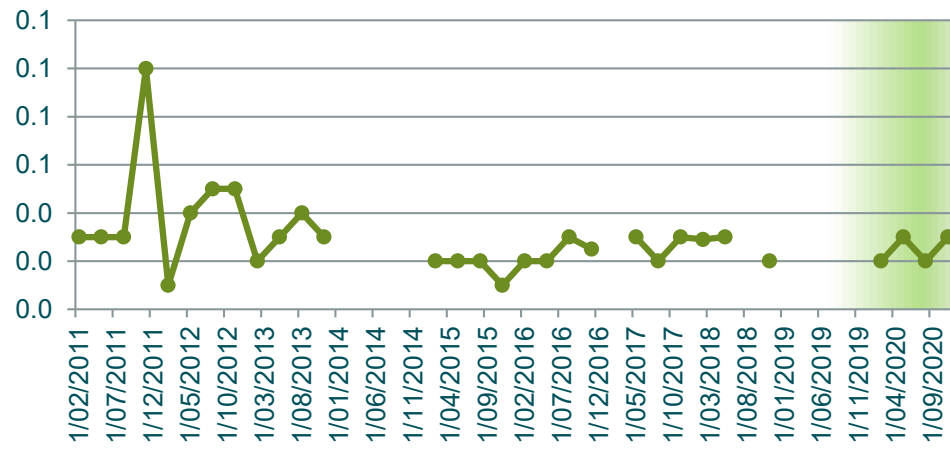
Copper (Total) mg/L



DO (Membrane Electrode) mg/L



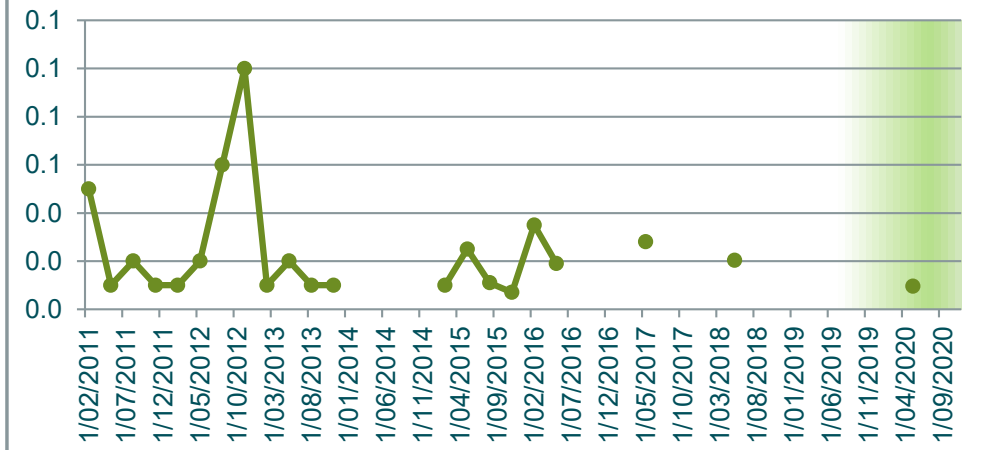
Flouride mg/L



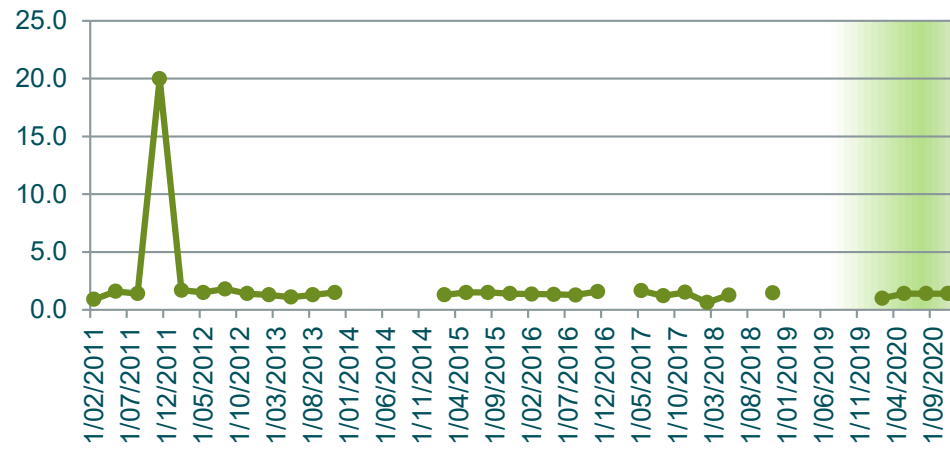
Iron Total mg/L



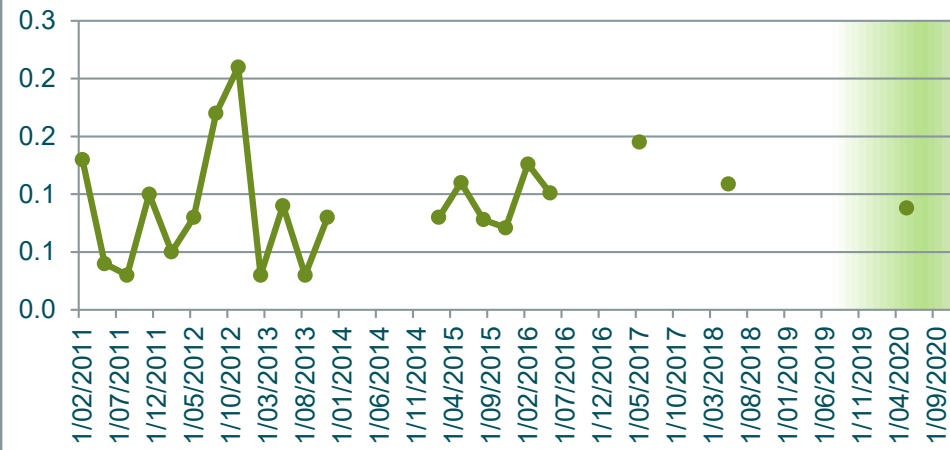
Lead (Total) mg/L



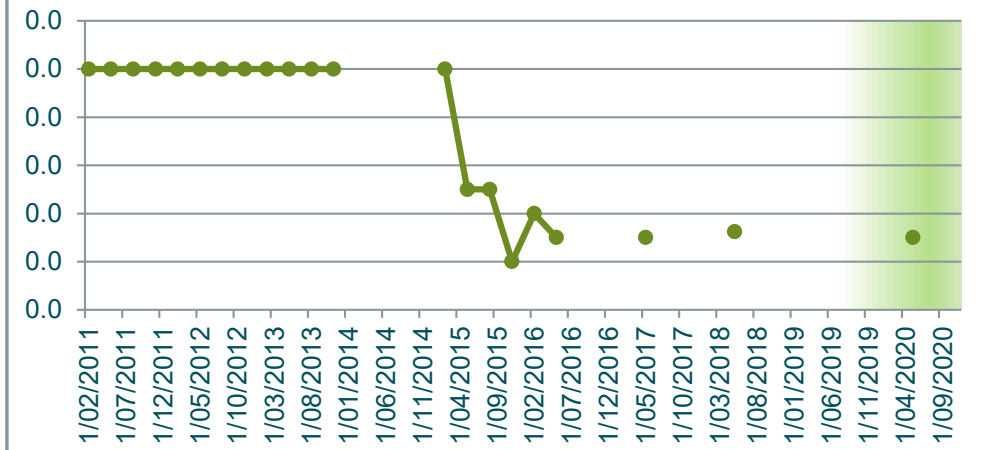
Magnesium (Total) mg/L



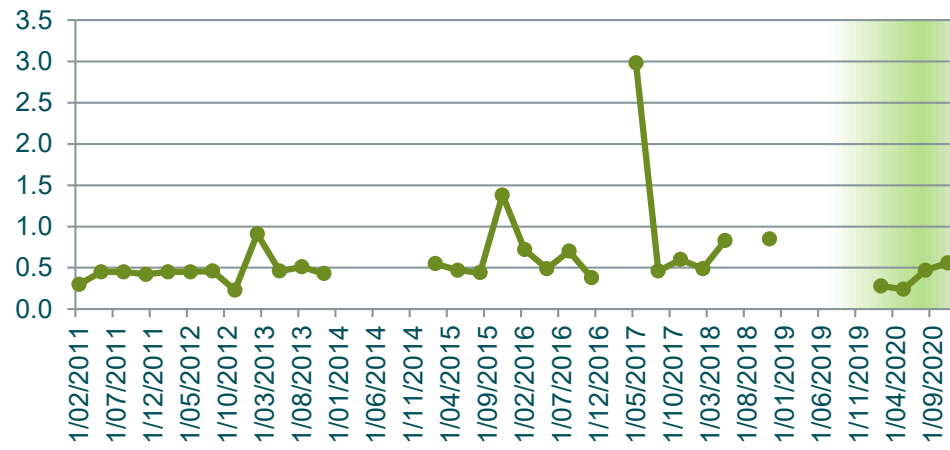
Manganese Total mg/L



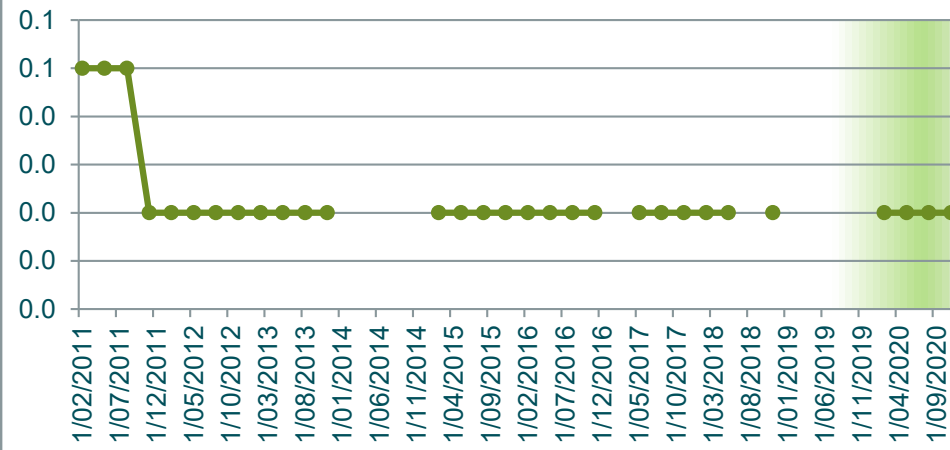
Nickel (Total) mg/L



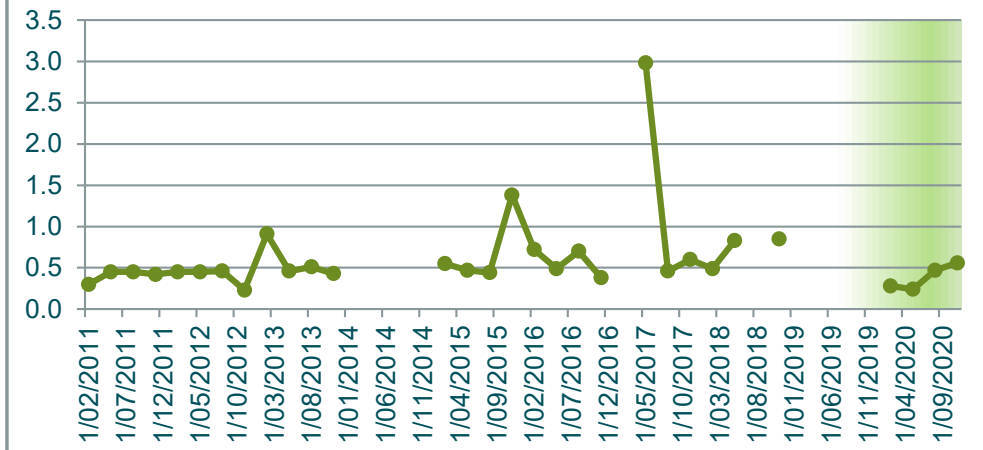
Nitrate N mg/L



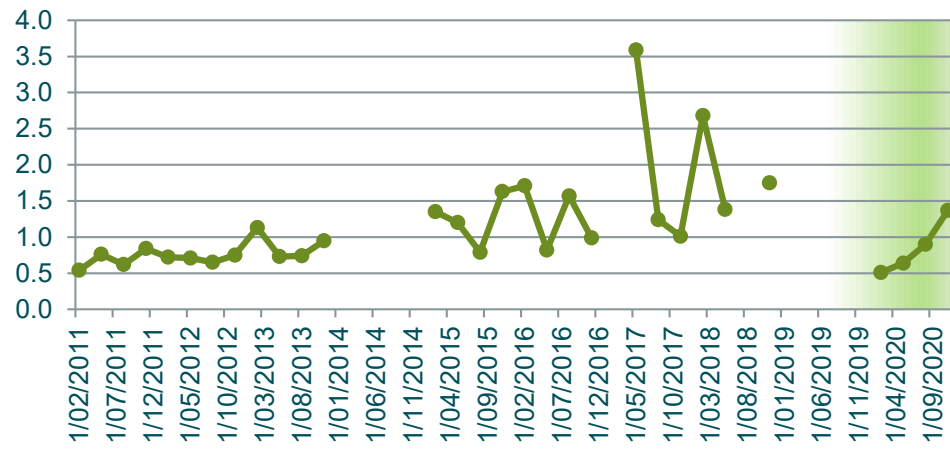
Nitrite N mg/L



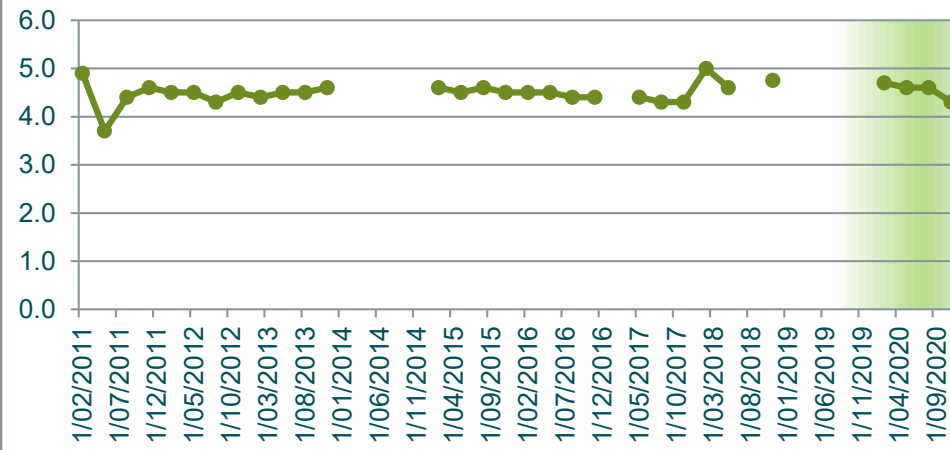
Nitrogen Oxidised mg/L



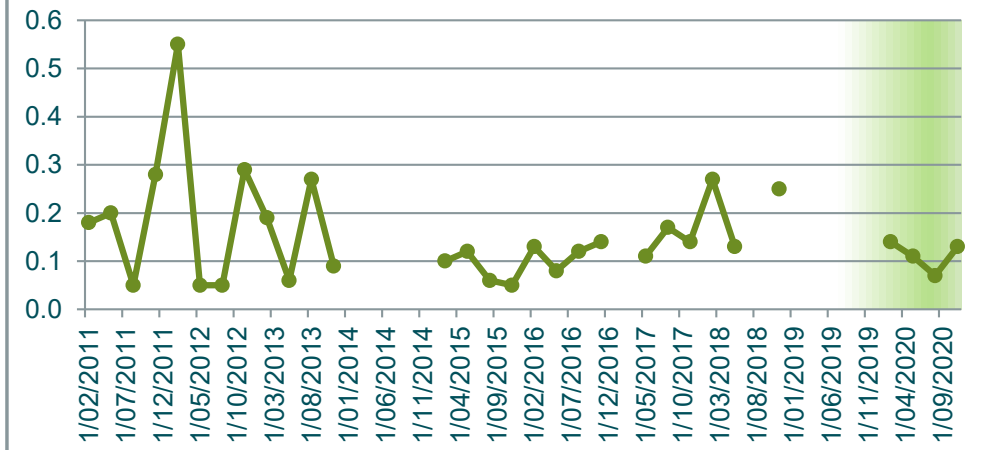
Nitrogen Total mg/L



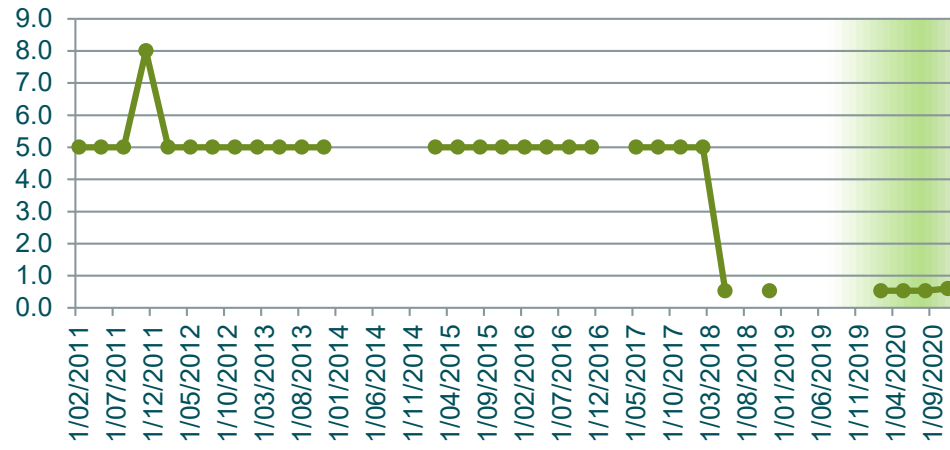
pH pH units



Phosphorus Total mg/L



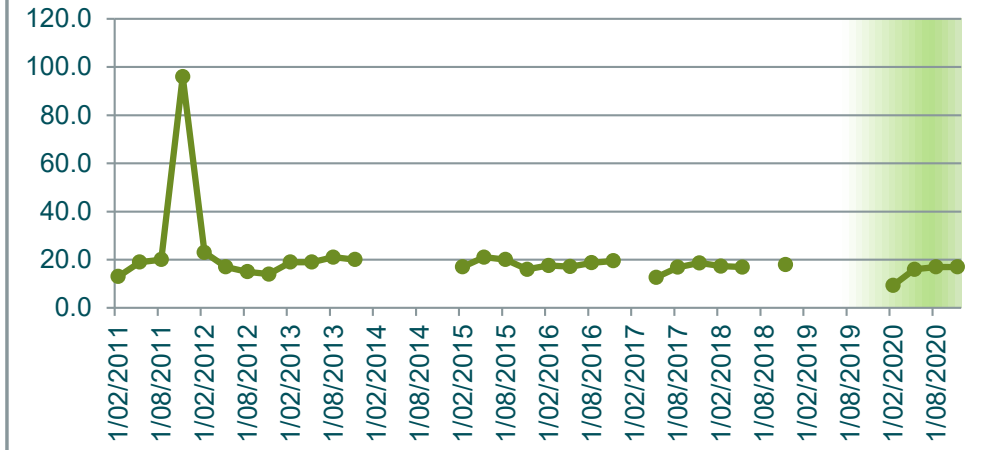
Potassium Total mg/L



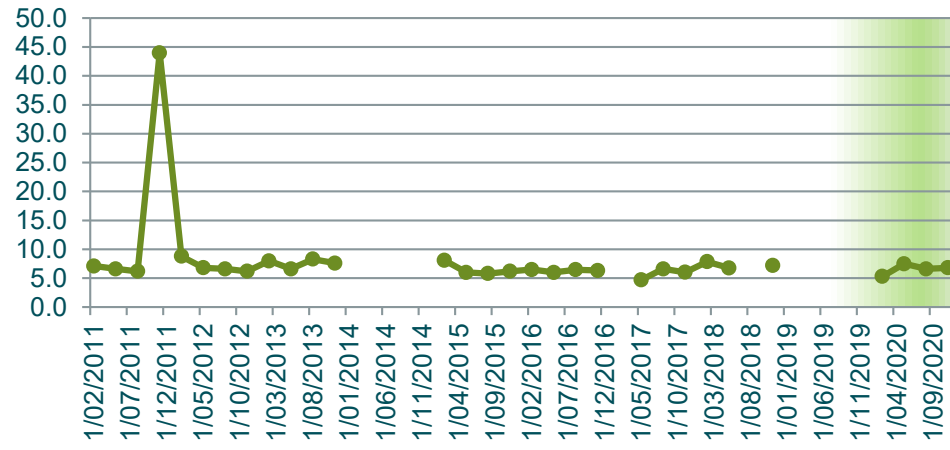
Redox Potential mV



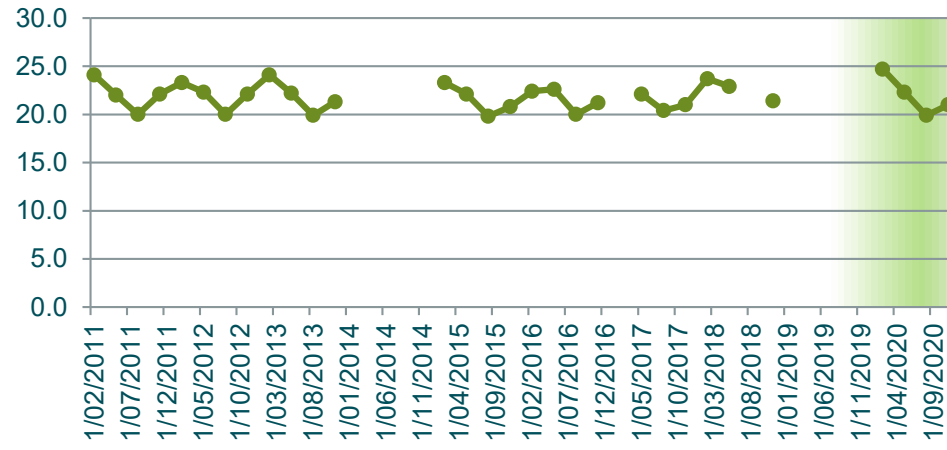
Sodium (Total) mg/L



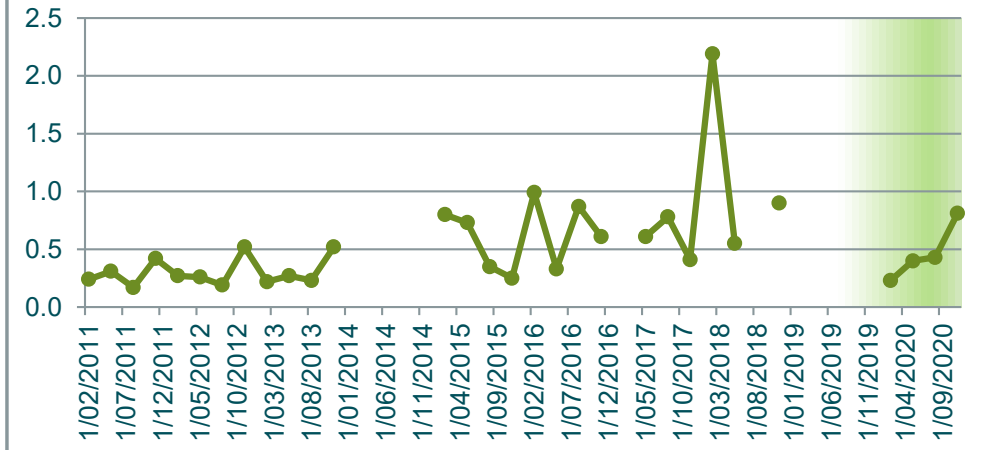
Sulphate mg/L



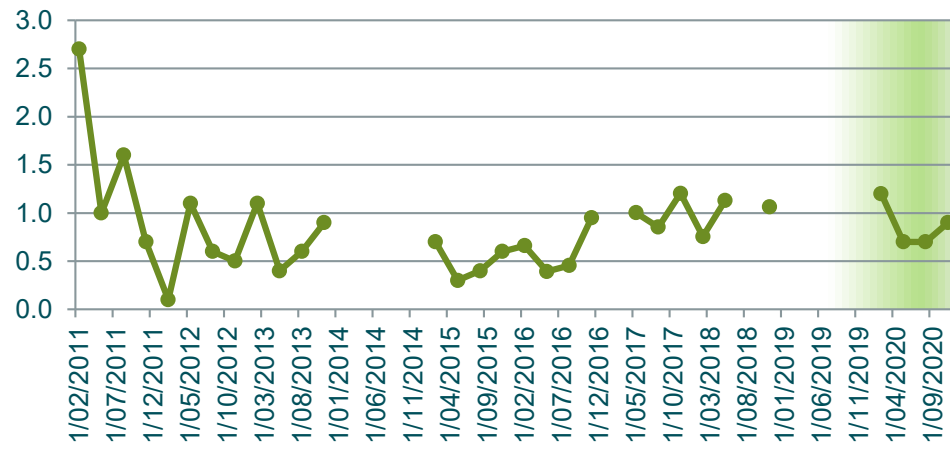
Temperature C



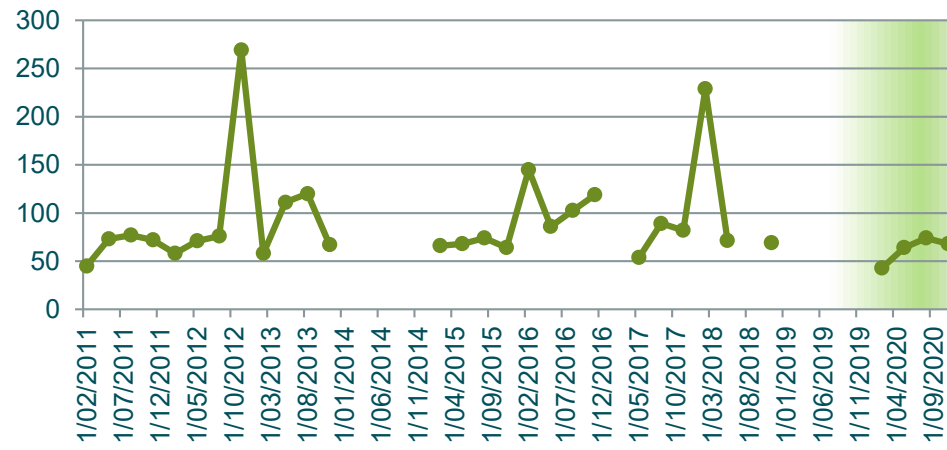
TKN mg/L



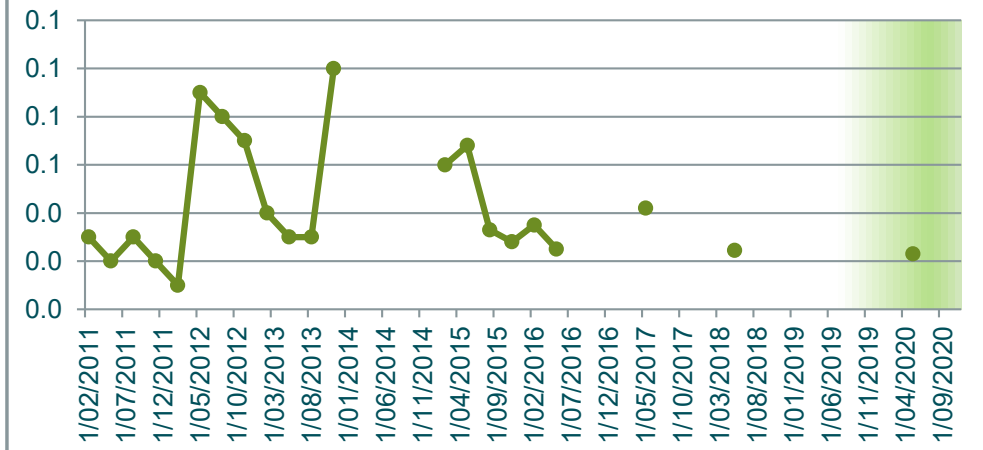
TOC mg/L



Total Acidity mg/L CaCO3



Zinc (Total) mg/L

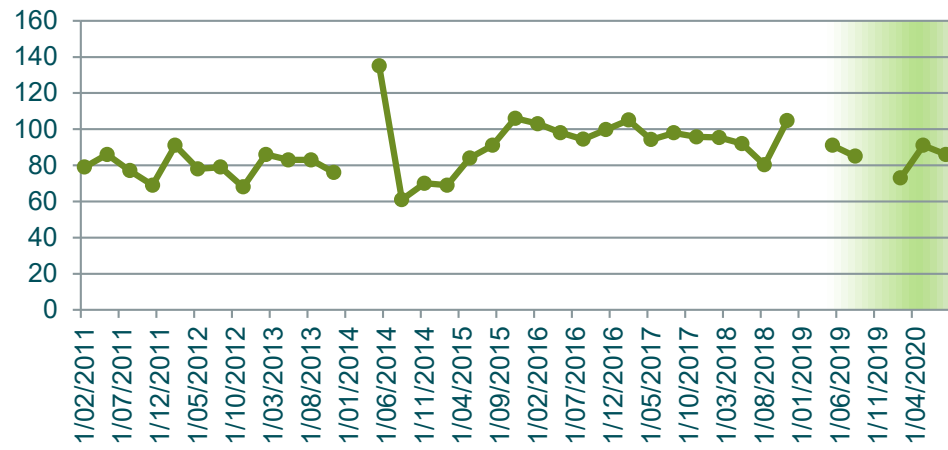


Depth to Groundwater m

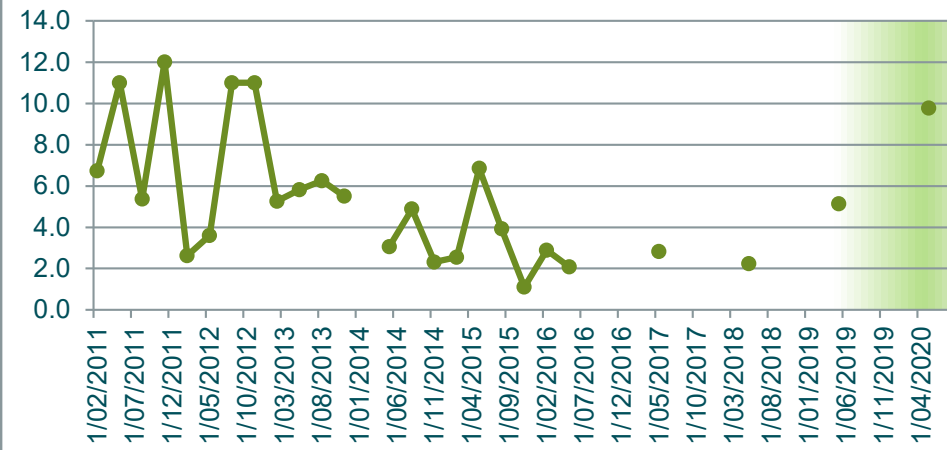


GW15	Alkalinity mg/L as CaCO3	Aluminum (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to groundwater m			
1/02/2011	79	6.7	0.2	0.0	48	1.2	0.0	24.0	270	0.0	0.0	0.0	958	0.0	3.5	0.2	12.0	0.0	16.0	0.3	0.0	0.1	0.1	0.1	0.7	6.1	0.1	5.0	45	95	54.0	23.1	0.6	2.0	85	0.1				
11/05/2011	86	11.0	0.1	0.0	52	2.4	0.0	24.0	258	0.0	0.0	0.0	1086	0.0	4.0	0.2	23.0	0.0	19.0	0.5	0.0	0.1	0.1	0.1	0.6	5.6	0.1	5.0	260	128	42.0	20.0	0.6	2.2	30	0.1				
10/08/2011	77	5.4	0.1	0.0	47	2.4	0.0	21.0	23	0.0	0.0	0.0	975	0.0	4.7	0.2	15.0	0.0	18.0	0.4	0.0	0.1	0.1	0.1	0.4	6.0	0.1	5.0	270	138	38.0	17.0	0.3	3.6	76	0.0				
9/11/2011	69	12.0	0.1	0.0	42	6.3	0.0	1.1	208	0.0	0.0	0.0	837	0.0	3.0	0.2	22.0	0.0	2.4	0.9	0.0	0.1	0.0	0.1	0.2	5.9	0.2	5.0	240	22	31.0	22.0	0.2	1.7	92	0.0				
7/02/2012	91	2.6	0.1	0.0	56	1.0	0.0	21.0	187	0.0	0.0	0.0	867	0.0	2.2	0.2	13.0	0.0	17.0	0.3	0.0	0.1	0.0	0.1	0.5	5.9	0.1	5.0	242	147	40.0	23.3	0.4	2.2	100	0.0				
9/05/2012	78	3.6	0.0	0.0	48	1.0	0.0	20.0	200	0.0	0.0	0.0	953	0.0	4.5	0.2	22.0	0.0	16.0	0.4	0.0	0.1	0.0	0.1	0.3	5.8	0.2	5.0	249	110	35.0	21.1	0.2	1.2	68	0.1				
7/08/2012	79	11.0	0.0	0.0	48	1.0	0.0	19.0	205	0.0	0.0	0.0	923	0.0	5.8	0.2	24.0	0.0	15.0	0.5	0.0	0.1	0.0	0.1	0.5	6.1	0.0	5.0	222	102	35.0	16.3	0.5	1.3	59	0.1				
14/11/2012	68	11.0	0.1	0.0	41	1.0	0.0	26.0	178	0.0	0.0	0.0	838	0.0	3.6	0.2	22.0	0.0	18.0	0.4	0.0	0.1	0.0	0.1	0.8	5.7	0.3	5.0	93	92	47.0	20.9	0.7	7.4	96	0.1				
14/02/2013	86	5.3	0.1	0.0	52	1.0	0.0	21.0	150	0.0	0.0	0.0	769	0.0	4.2	0.1	14.0	0.0	15.0	0.3	0.0	0.1	0.0	0.1	0.6	6.1	0.0	5.0	15	107	40.0	23.1	0.5	6.7	73	0.1				
15/05/2013	83	5.8	0.0	0.0	51	1.0	0.0	21.0	196	0.0	0.0	0.0	880	0.0	5.2	0.2	26.0	0.0	15.0	0.4	0.0	0.1	0.0	0.1	0.5	6.1	0.0	5.0	134	115	36.0	20.3	0.4	2.2	89	0.0				
7/08/2013	83	6.3	0.0	0.0	51	1.0	0.0	23.0	208	0.0	0.0	0.0	926	0.0	4.4	0.2	16.0	0.0	19.0	0.5	0.0	0.1	0.0	0.1	0.4	6.0	0.1	5.0	160	131	46.0	17.3	0.3	2.3	189	0.0				
13/11/2013	76	5.5	0.1	0.0	46	1.2	0.0	26.0	185	0.0	0.0	0.0	919	0.0	2.9	0.3	16.0	0.0	18.0	0.4	0.0	1.2	0.0	1.2	1.5	6.0	0.1	5.0	89	125	55.0	21.5	0.3	5.0	105	0.1				
11/02/2014																																								
14/05/2014	135	3.1	1.7	0.0	82	14.0	0.0	20.0	112	0.0	0.0	0.0	687	0.0	2.6	0.3	27.0	0.0	12.0	0.3	0.0	0.2	0.0	0.2	4.2	6.3	0.2	5.0	-27	76	23.0	21.1	3.9	16.3	112	0.1				
13/08/2014	61	4.9	0.0	0.0	37	1.8	0.0	18.0	125	0.0	0.0	0.0	634	0.0	5.5	0.2	13.0	0.0	13.0	0.2	0.0	0.1	0.0	0.1	1.1	6.9	0.1	5.0	156	92	46.0	17.6	1.0	8.8	84	0.1				
11/11/2014	70	2.3	0.1	0.0	43	2.1	0.0	17.0	137	0.0	0.0	0.0	671	0.0	3.1	0.2	6.1	0.0	13.0	0.5	0.0	0.1	0.0	0.1	0.7	6.1	0.1	5.0	83	98	52.0	20.9	0.6	6.7	117	0.1				
10/02/2015	69	2.6	0.0	0.0	42	1.5	0.0	17.0	120	0.0	0.0	0.0	651	0.0	4.0	0.2	7.0	0.0	11.0	0.2	0.0	0.6	0.0	0.6	1.5	6.2	0.1	5.0	48	81	58.0	23.5	0.9	9.2	87	0.0				
12/05/2015	84	6.9	0.0	0.0	51	1.0	0.0	21.0	160	0.0	0.0	0.0	762	0.0	4.7	0.2	9.3	0.0	16.0	0.2	0.0	0.1	0.0	0.1	0.5	6.0	0.1	5.0	155	110	44.0	19.8	0.4	4.0	115	0.0				
12/08/2015	91	3.9	0.0	0.0	91	1.0	0.0	25.0	178	0.0	0.0	0.0	829	0.0	5.0	0.2	11.1	0.0	18.0	0.5	0.0	0.1	0.0	0.1	0.4	6.1	0.0	5.0	203	124	36.0	16.9	0.3	3.6	122	0.0				
11/11/2015	106	1.1	2.6	0.0	106	18.0	0.0	19.0	142	0.0	0.0	0.0	754	0.0	1.8	0.2	11.3	0.0	14.0	1.2	0.0	0.0	0.0	0.0	6.4	6.1	0.4	5.0	29	96	39.0	20.8	6.4	31.0	147	0.0				
9/02/2016	103	2.9	0.2	0.0	103	3.3	0.0	17.7	118	0.0	0.0	0.0	651	0.0	3.7	0.2	8.6	0.0	12.9	0.3	0.0	0.2	0.0	0.2	1.5	6.2	0.3	5.0	21	93	27.7	23.1	1.3	13.1	125	0.0				
10/05/2016	98	2.1	0.0	0.0	98	1.8	0.0	19.3	145	0.0	0.0	0.0	759	0.0	3.6	0.3	5.1	0.0	14.1	0.1	0.0	0.1	0.0	0.1	0.6	6.2	0.2	5.0	173	106	33.1	21.7	0.5	7.7	98	0.0				
10/08/2016	94		0.0		94	2.7		20.8	168				810		6.0	0.2			15.3			0.0	0.0	0.0	0.4	6.1	0.1	5.0	246	118	40.7	17.3	0.4	4.9	86					
8/11/2016	100		0.0		100	1.0		21.2	176				816		2.8	0.2			15.8			0.0	0.0	0.0	0.4	5.9	0.1	5.0	334	119	41.1	20.9	0.4	4.5	143					
8/02/2017	105		0.1		105	1.0		19.4	160				804		3.6	0.2			14.6			0.1	0.0	0.1	0.8	5.9	0.1	5.0	261	110	38.5	23.7	0.7	9.0	189					
9/05/2017	94	2.8	0.0	0.0	94	1.0	0.0	18.9	155	0.0	0.0	0.0	755	0.0	5.2	0.2	5.7	0.0	13.9	0.1	0.0	0.1	0.0	0.1	0.7	6.1	0.1	5.0	409	109	42.9	20.5	0.6	9.6	96	0.0				
9/08/2017	98		0.0		98	2.1		19.0	150				787		6.1	0.2			14.2			0.0	0.0	0.0	0.6	6.2	0.1	5.0	402	110	38.9	17.3	0.5	5.9	69		0.9			
8/11/2017	96		0.0		96	1.5		18.8	23				786		4.6	0.2			13.9			0.5	0.0	0.5	1.1	5.7	0.1	5.0	358	109	39.3	20.6	0.6	6.8	105		0.9			
14/02/2018	95		0.0		95	1.8		16.9	122				710		3.7	0.3			12.3			0.1	0.0	0.1	0.6	6.0	0.1	5.0	182	102	50.2	23.9	0.5	8.6	101		1.5			
9/05/2018	92	2.2	0.0	0.0	92	1.0	0.0	17.4	149	0.0	0.0	0.0	764	0.0	5.6	0.3	5.5	0.0	13.1	0.1	0.0	0.0	0.0	0.0	0.4	6.3	0.1	1.6	339	109	43.6	21.0	0.4	6.2	59	0.0	0.7			
15/08/2018	80		0.0		80	2.7		18.4	160				748		6.2	0.2			13.4			0.0	0.0	0.0	0.4	6.4	0.1	1.6	389	117	46.3	17.8	0.4	11.0	38		1.5			
14/11/2018	105		0.0		105	1.5		18.0	143				744		4.3	0.3			13.3			0.0	0.0	0.0	0.5	6.2	0.1	1.6	73	111	44.4	20.4	0.5	7.9	69		1.2			
12/02/2019																																								
15/05/2019	91	5.1	0.0	0.0	91	1.8	0.0	15.0	110	0.0	0.0	0.0	637	0.0	5.7	0.3	8.4	0.0	11.0	0.1	0.0	0.1	0.0	0.1	0.6	6.3	0.1	1.9	150	107	54.0	21.0	0.5	11.0	53	0.0	1.0			
14/08/2019	85		0.0		85	2.4		15.0	100				639		5.9	0.3			11.0			0.0	0.0	0.0	0.6	6.4	0.2	1.6	397	101	49.0	17.3	0.6	10.0	45		1.1			
12/11/2019																																								
26/02/2020	73.0		0.0		73.0	2.7		15.0	26.0				638.0		3.4	0.1			11.0			0.4	0.0	0.4	1.2	6.0	0.1	2.2	176.0	88.0	79.0	23.5	0.8	6.1	84.0		0.4			
13/05/2020	91.0	9.8	0.0	0.0	91.0	1.0	0.0	15.0	120.0	0.0	0.0	0.0	701.0	0.0	5.2	0.3	13.1	0.0	11.0	0.2	0.0	0.1	0.0	0.1	0.4	6.2	0.1	1.9	285.7	102.0	51.0	20.8	0.4	3.7	54.0	0.0	1.1			
12/08/2020	86.0		0.0		86.0	1.2		16.0	100.0				647.0		5.4	0.2			12.0			0.1	0.0	0.1	0.4	6.1	0.0	2.0	364.1	103.0	52.0	17.1	0.4	4.3	79.0		0.6			
2020 Min	73.0	9.8	0.0	0.0	73.0	1.0	0.0	15.0	26.0	0.0	0.0	0.0	638.0	0.0	3.4	0.1	13.1	0.0	11.0	0.2	0.0	0.1	0.0	0.1	0.4	6.0	0.0	1.9	176.0	88.0	51.0	17.1	0.4	3.7						

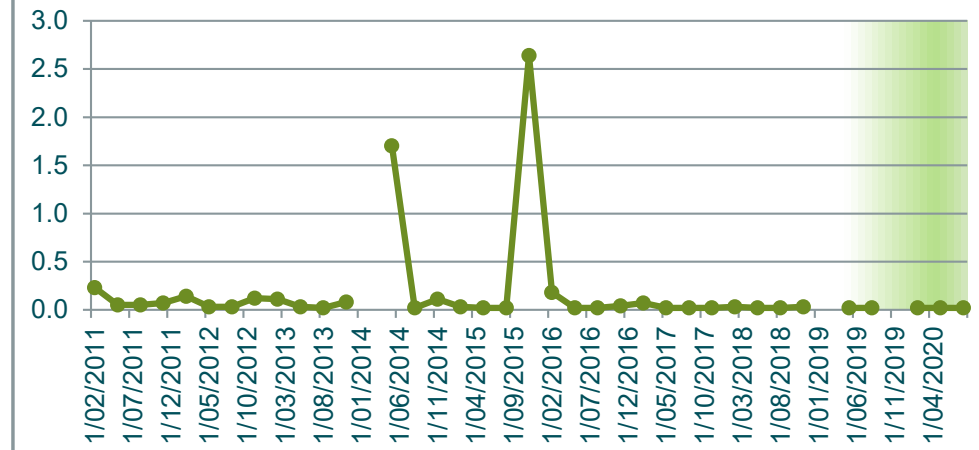
**Alkalinity
mg/L as CaCO3**



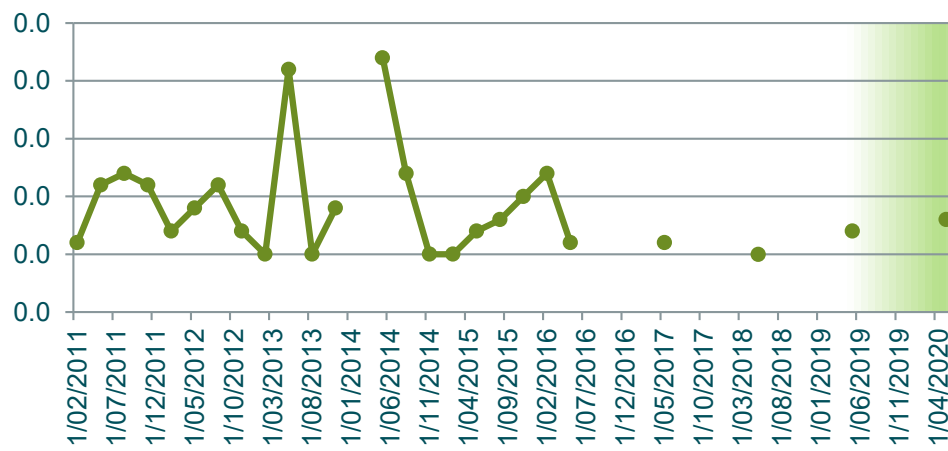
**Aluminium (Total)
mg/L**



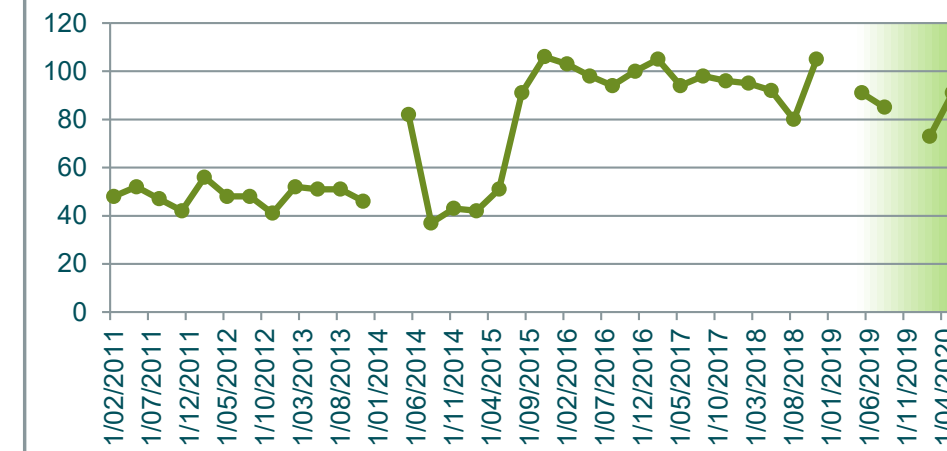
**Ammonia
mg/L**



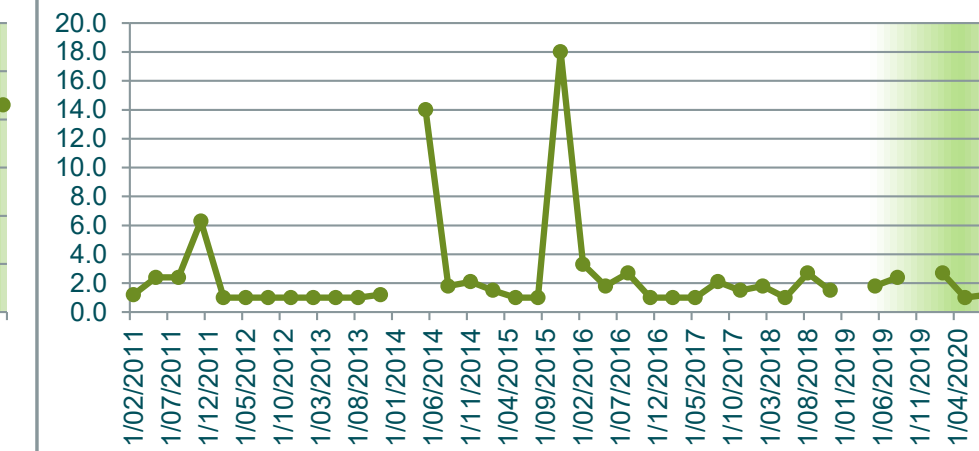
**Arsenic (Total)
mg/L**



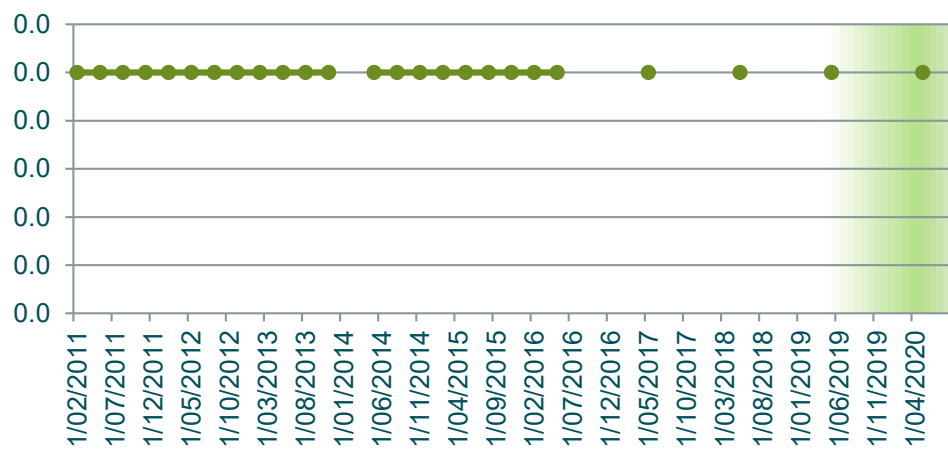
**Bicarbonate HCO3
mg/L**



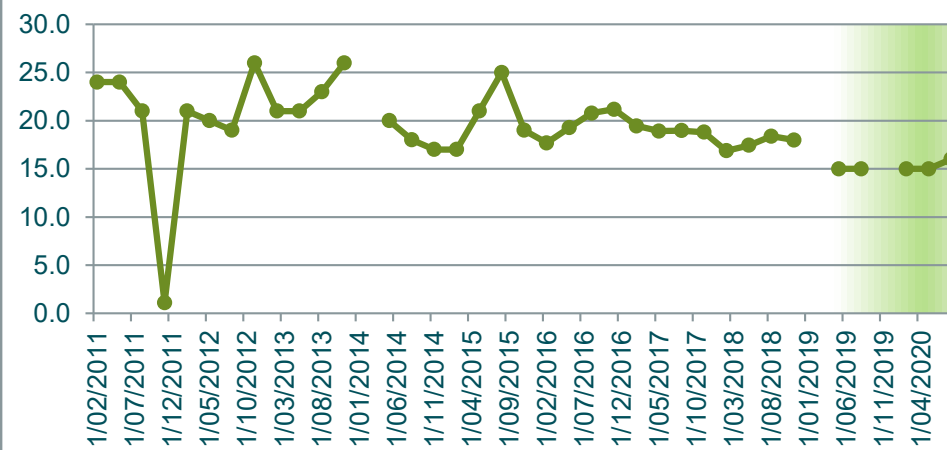
**BOD5
mg/L**



**Cadmium (Total)
mg/L**



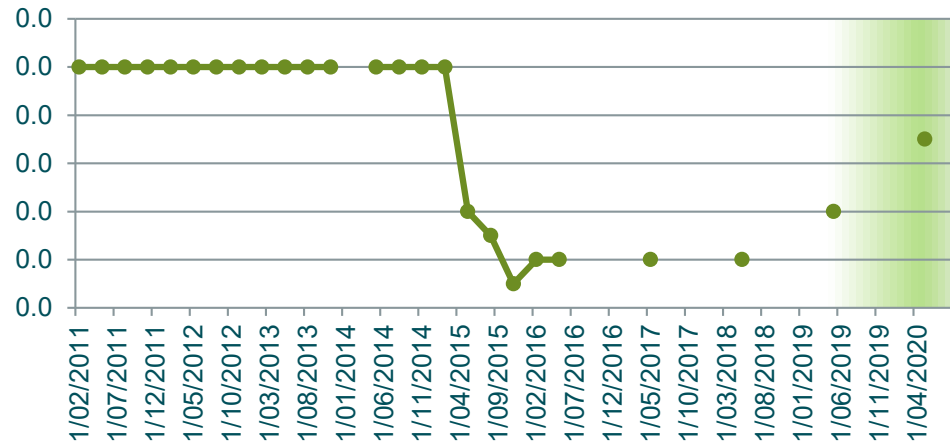
**Calcium (Total)
mg/L**



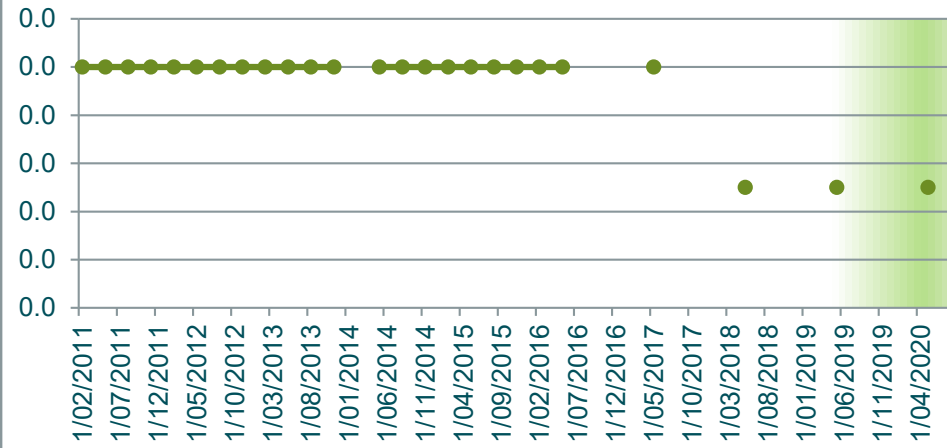
**Chloride
mg/L**



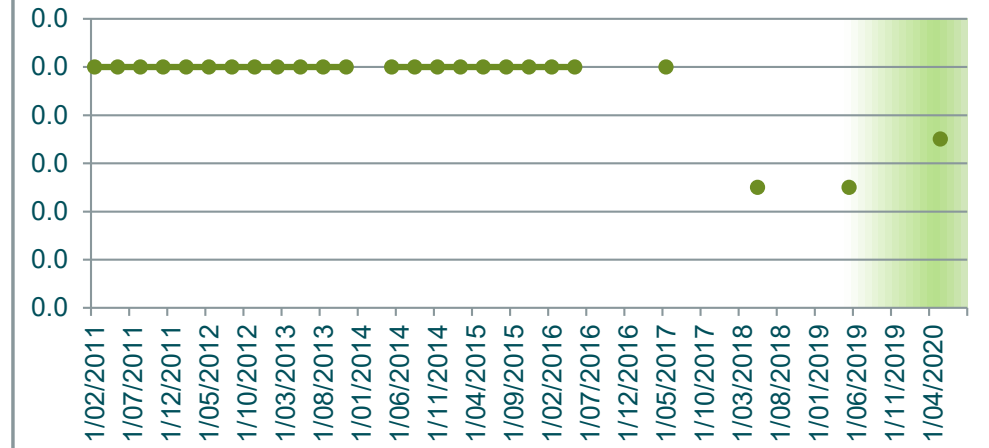
Chromium (Total) mg/L



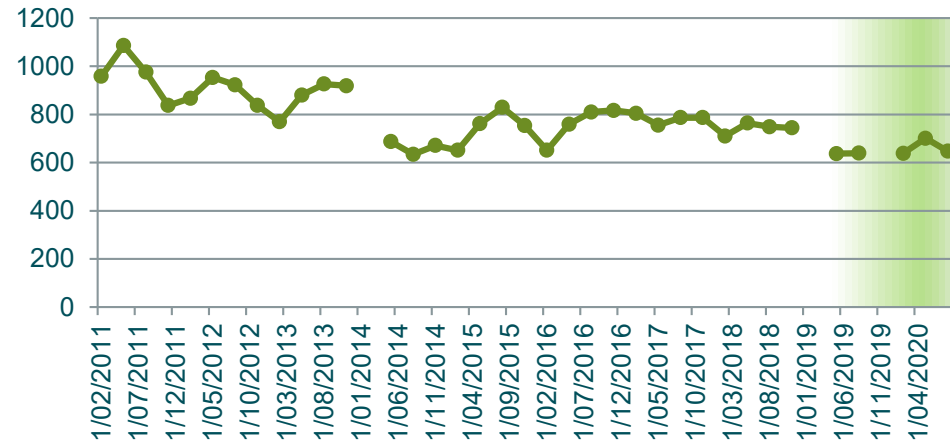
Chromium 3 mg/L



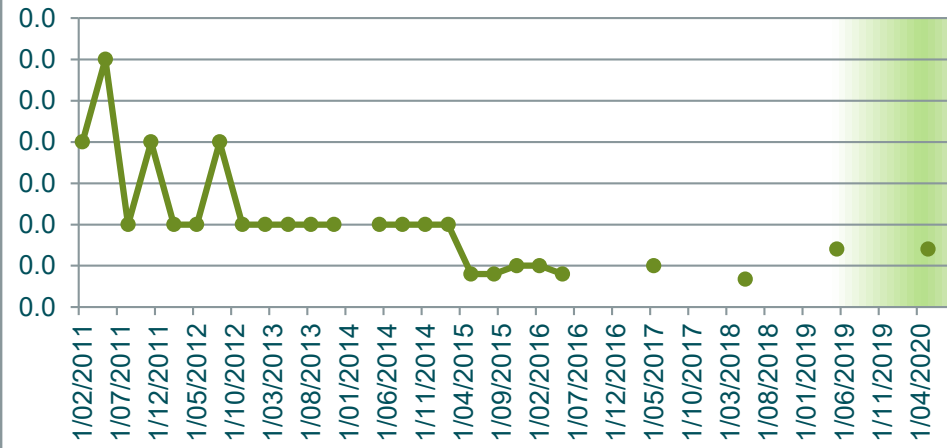
Chromium 6 mg/L



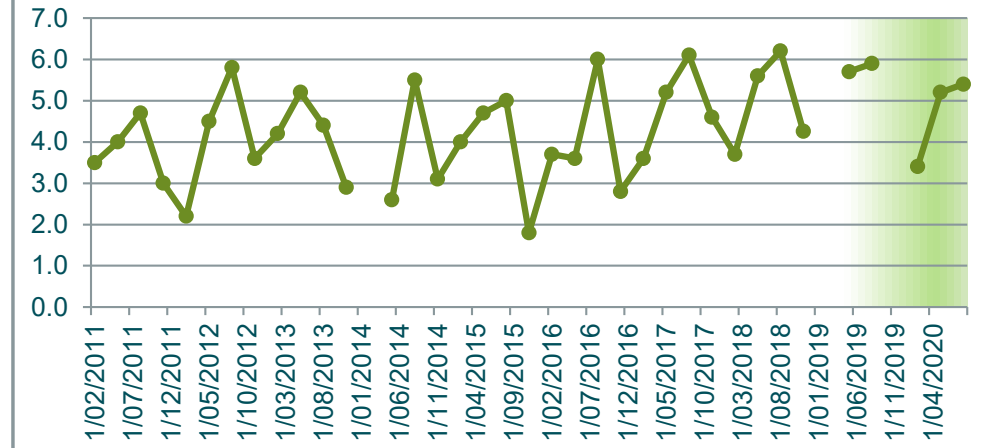
Conductivity µScm-1



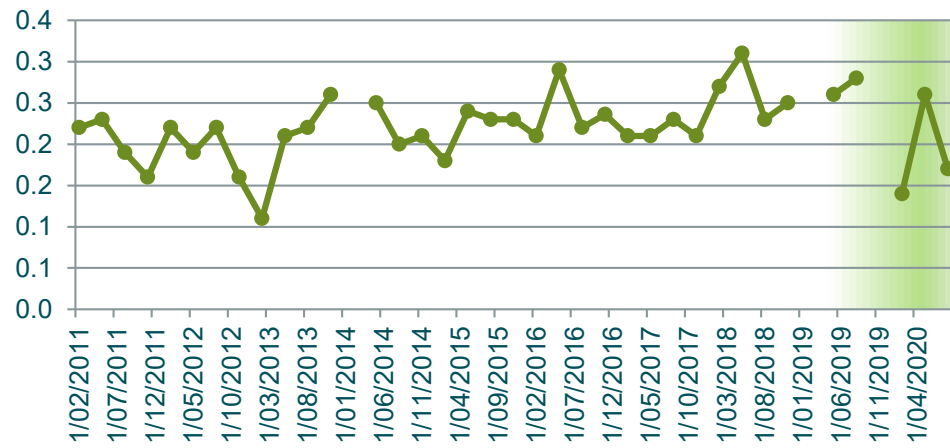
Copper (Total) mg/L



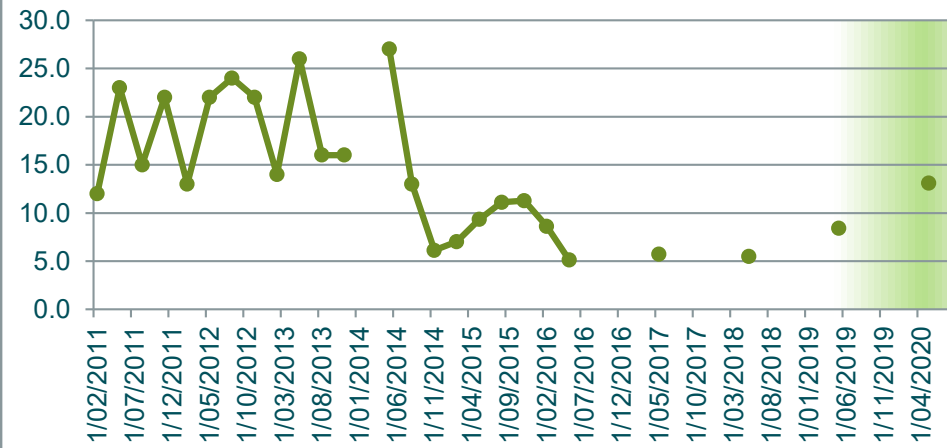
DO (Membrane Electrode) mg/L



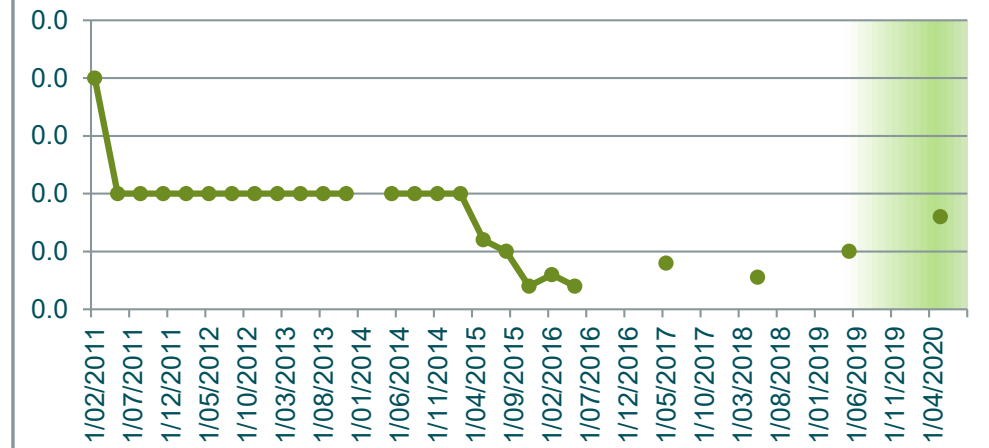
Flouride mg/L



Iron Total mg/L



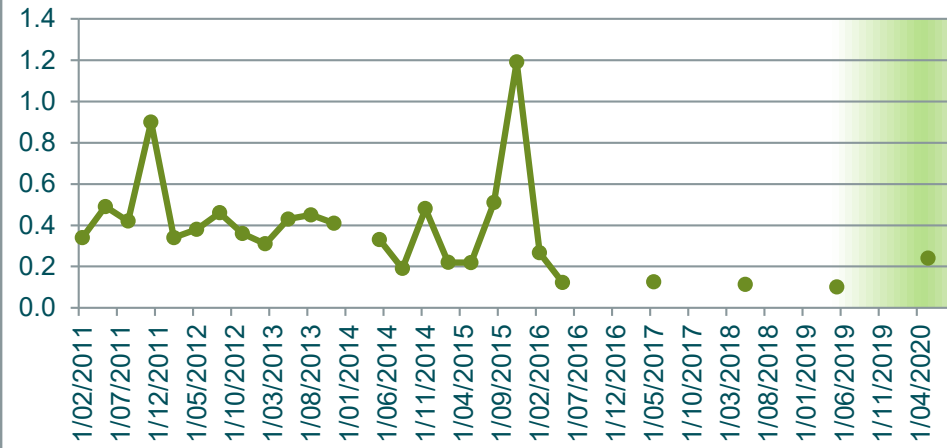
Lead (Total) mg/L



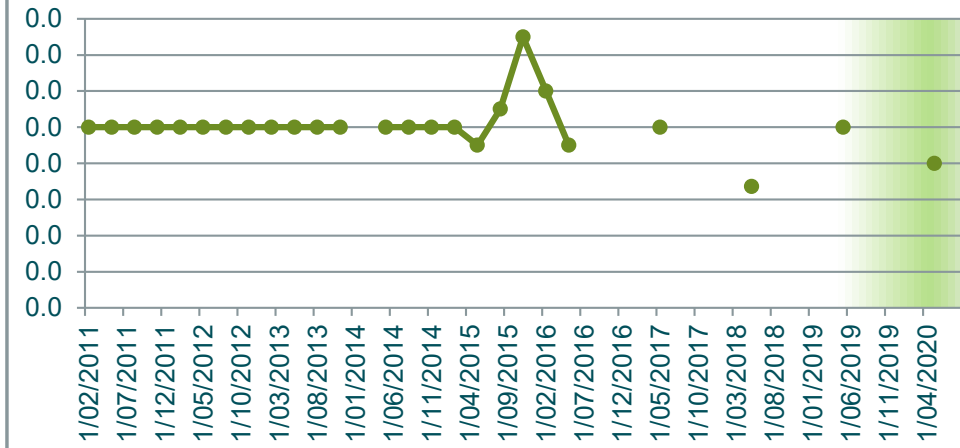
Magnesium (Total) mg/L



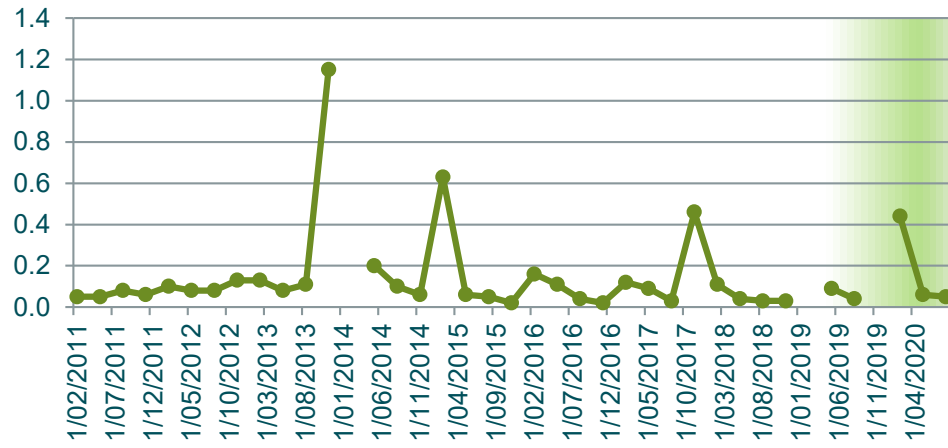
Manganese Total mg/L



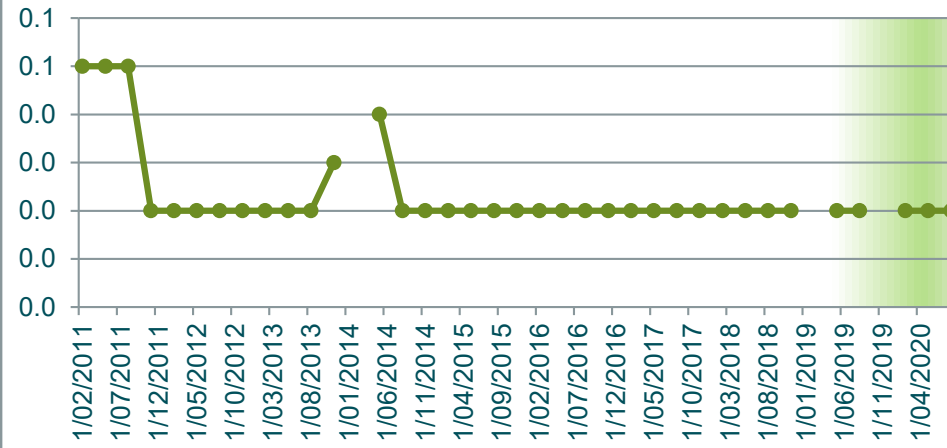
Nickel (Total) mg/L



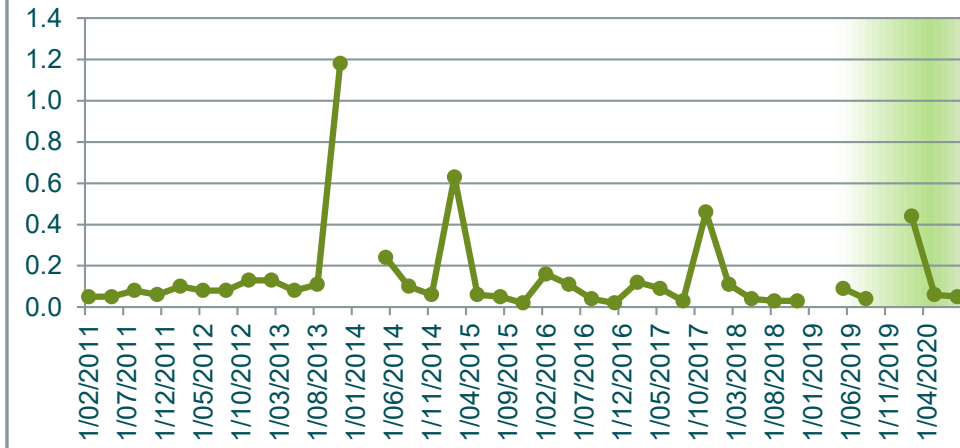
Nitrate N mg/L



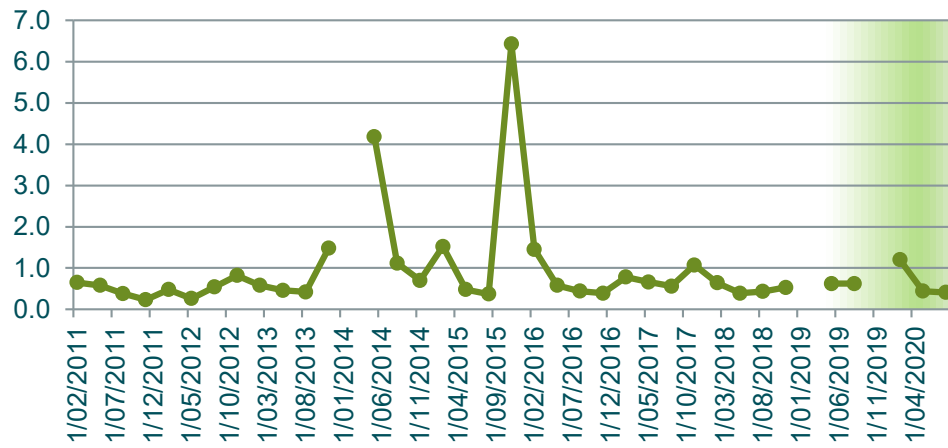
Nitrite N mg/L



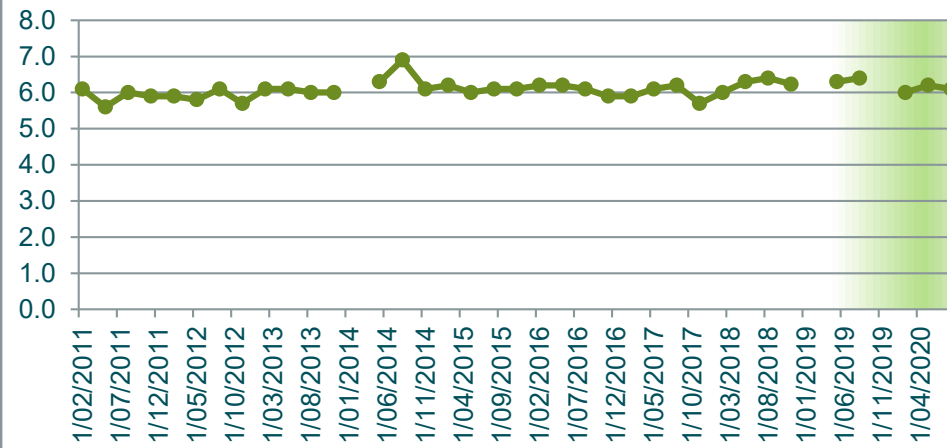
Nitrogen Oxidised mg/L



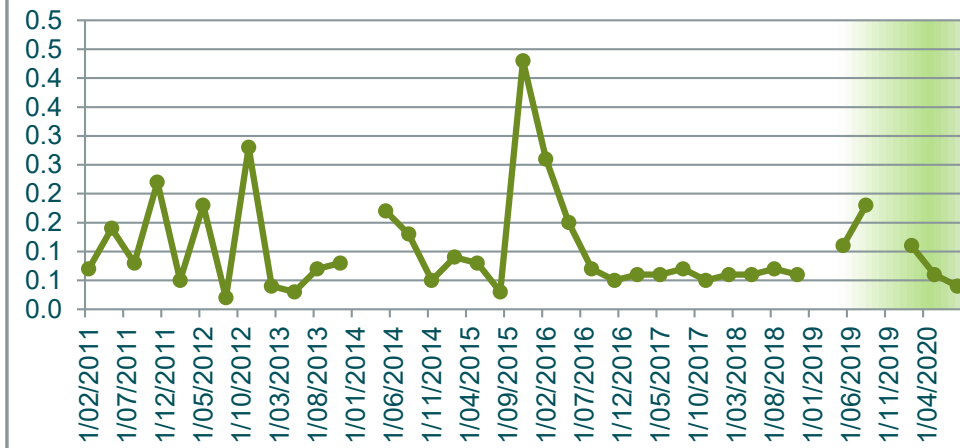
Nitrogen Total mg/L



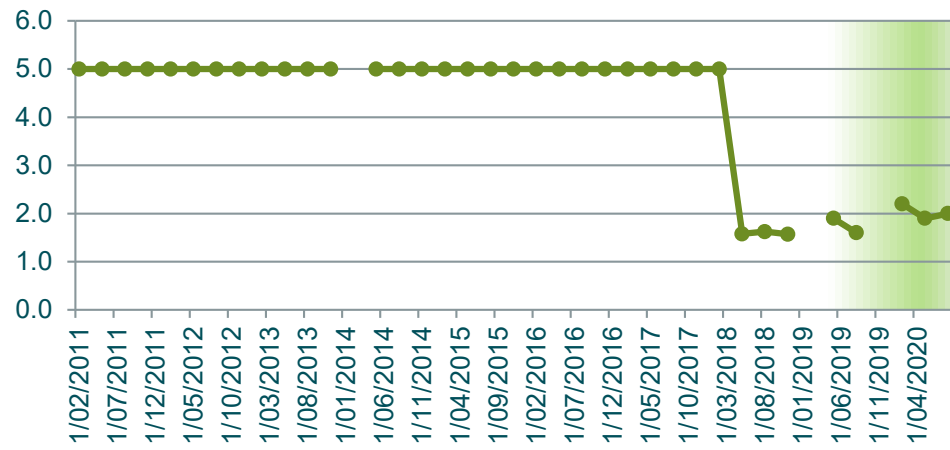
pH pH units



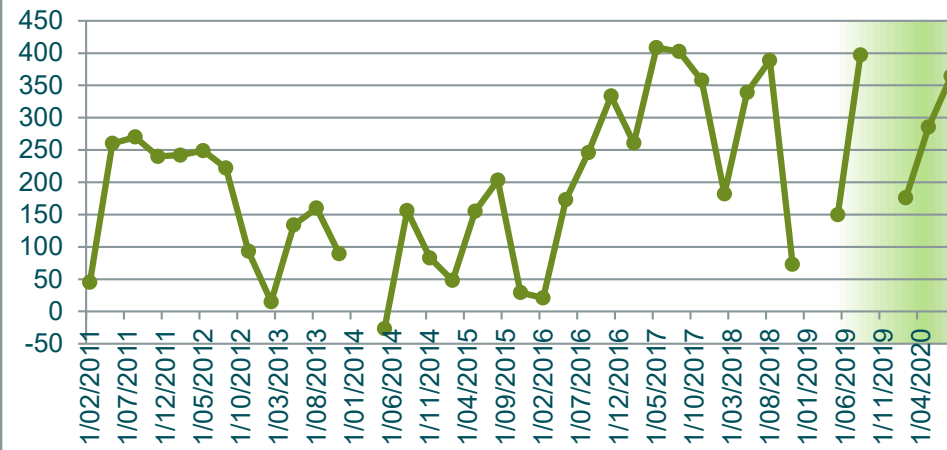
Phosphorus Total mg/L



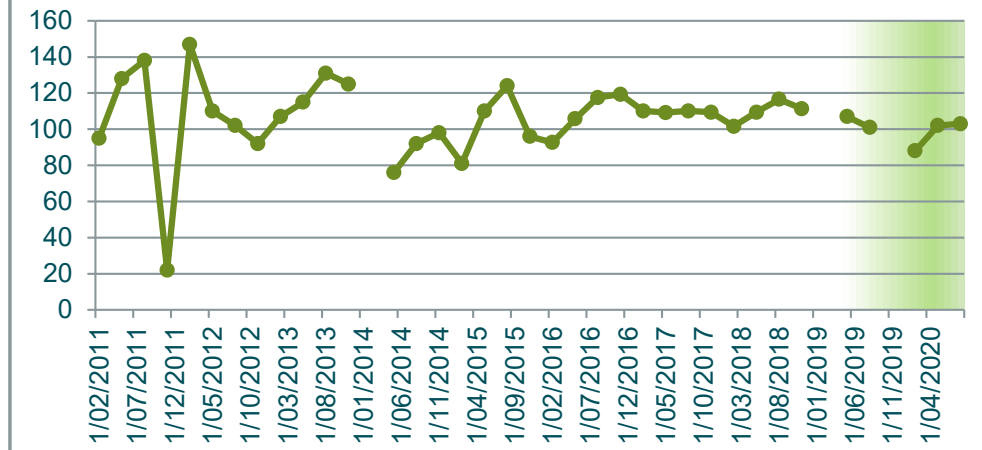
Potassium Total mg/L



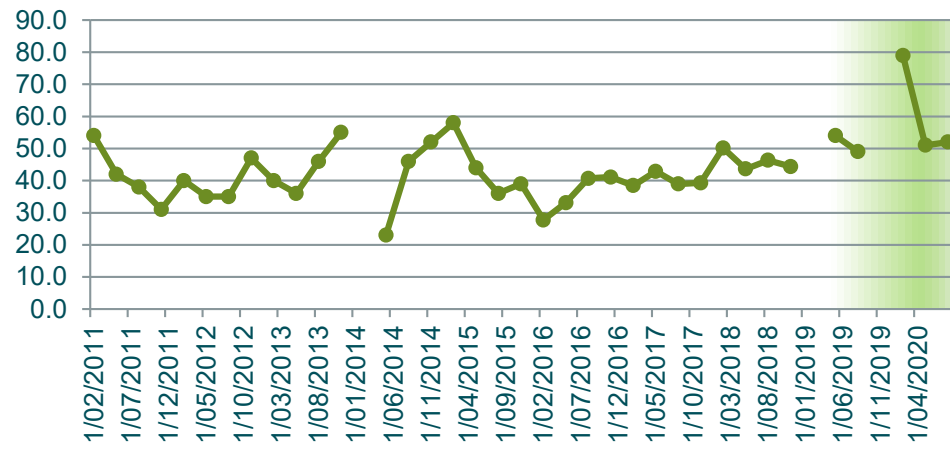
Redox Potential mV



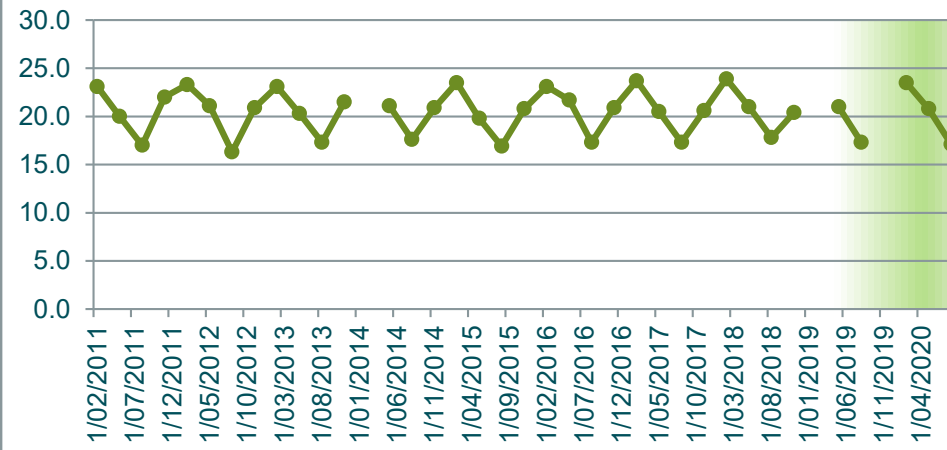
Sodium (Total) mg/L



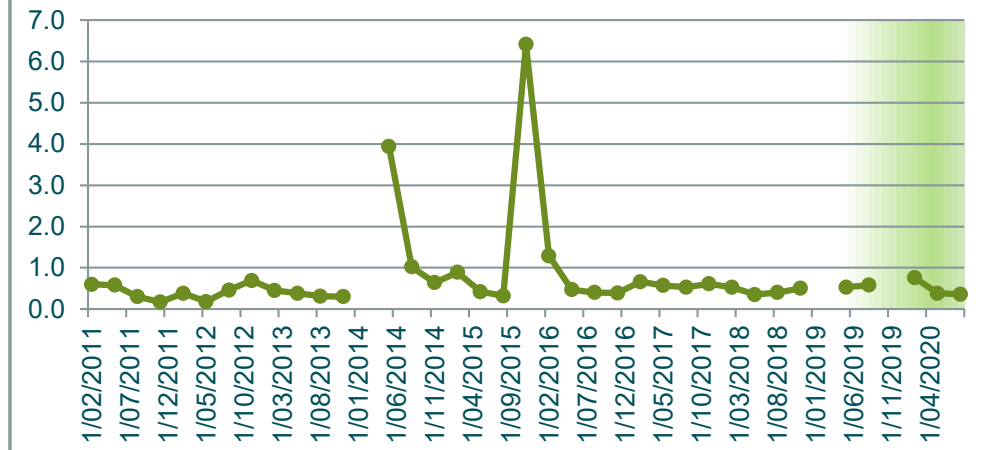
Sulphate mg/L



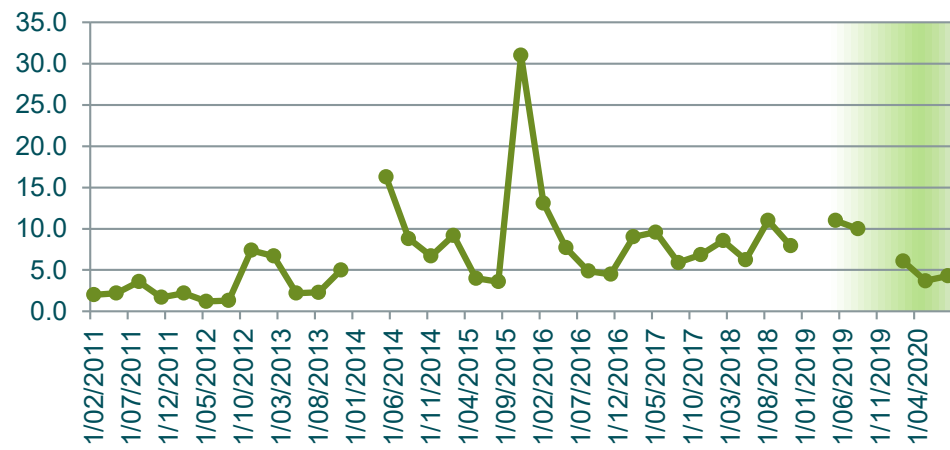
Temperature C



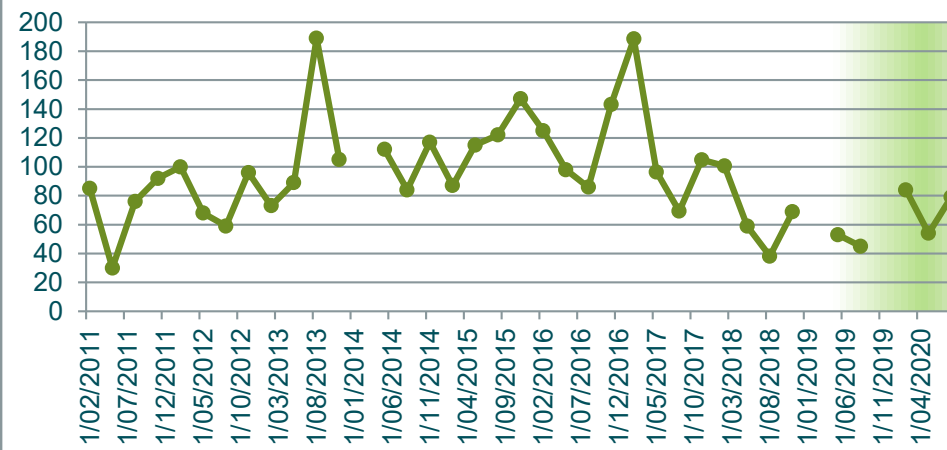
TKN mg/L



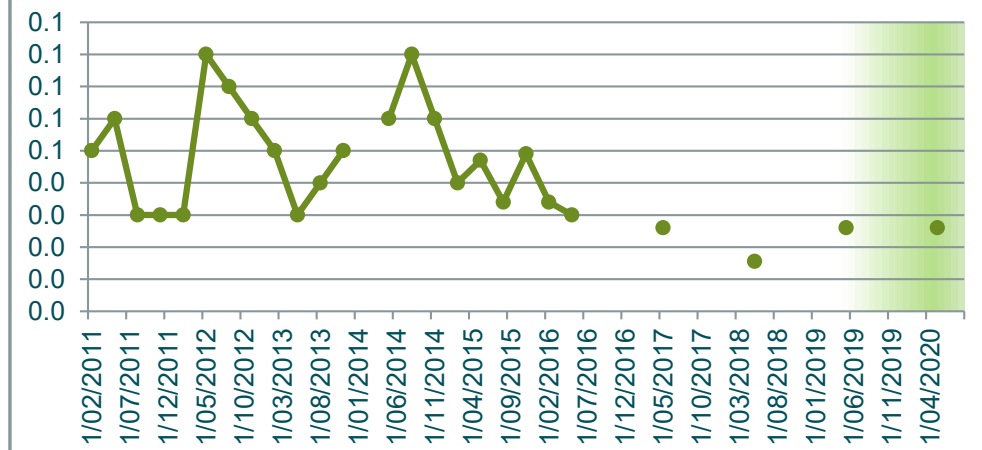
TOC mg/L



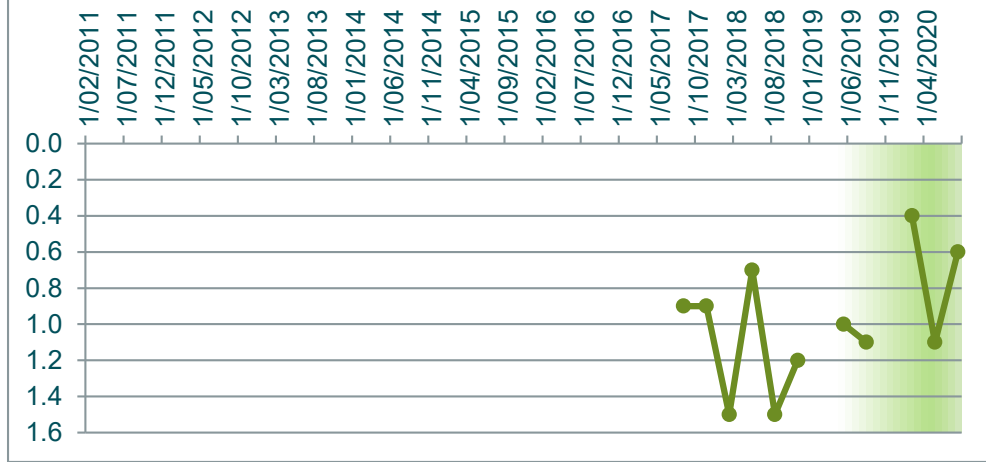
Total Acidity mg/L CaCO3



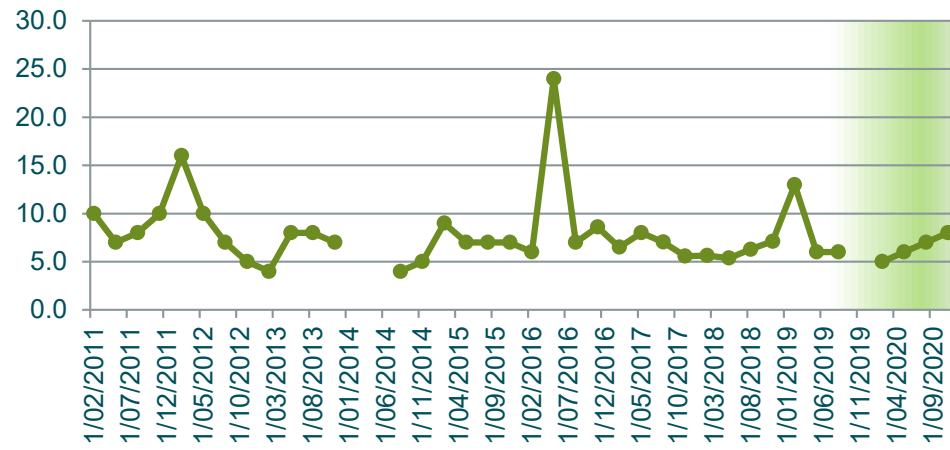
Zinc (Total) mg/L



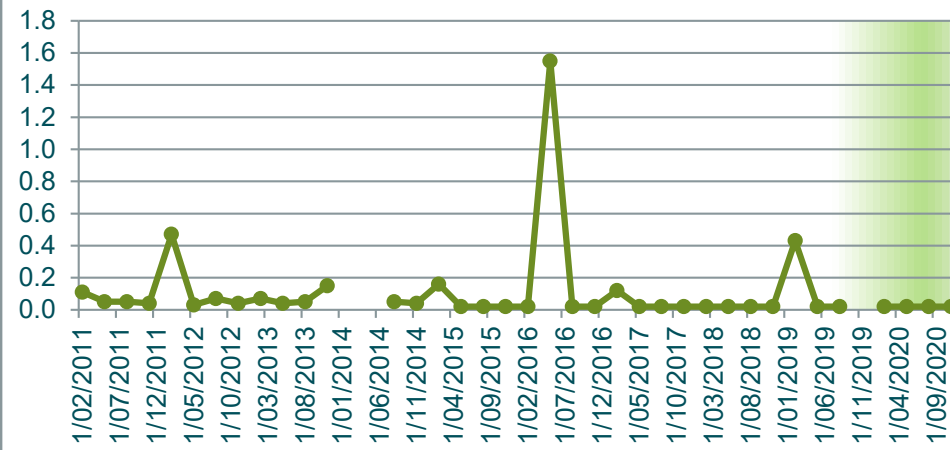
Depth to groundwater m



**Alkalinity
mg/L as CaCO3**



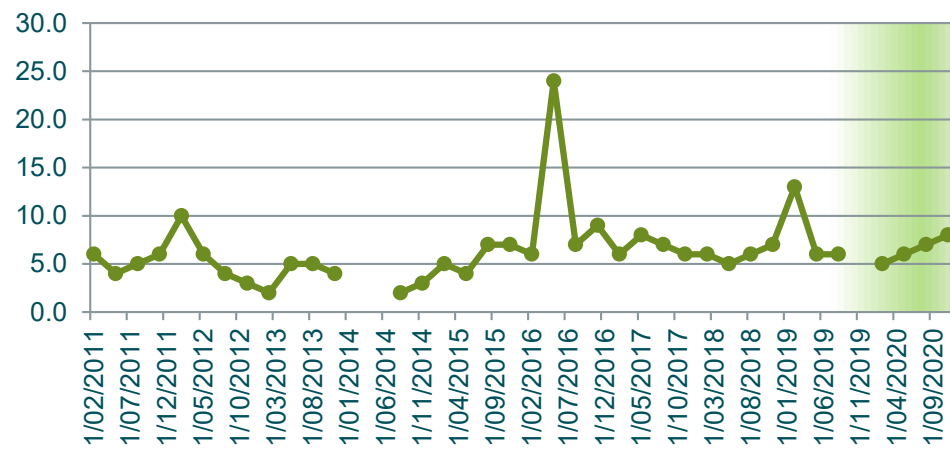
**Ammonia
mg/L**



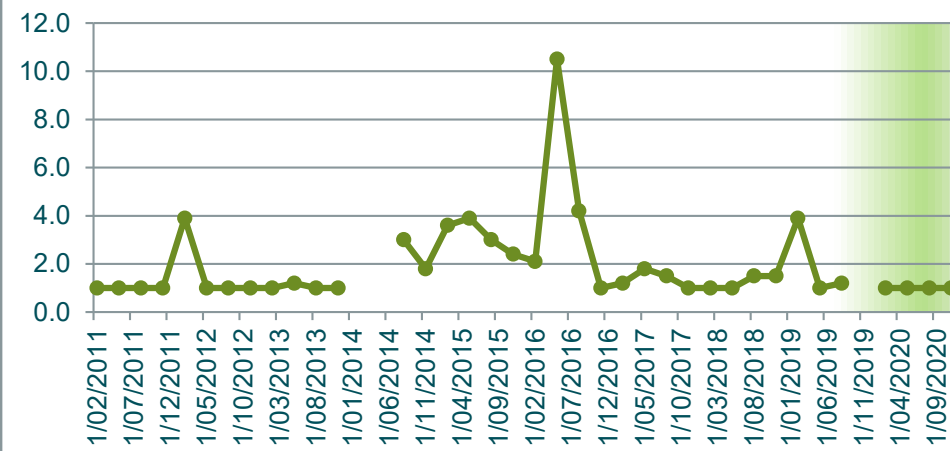
**Arsenic (Total)
mg/L**



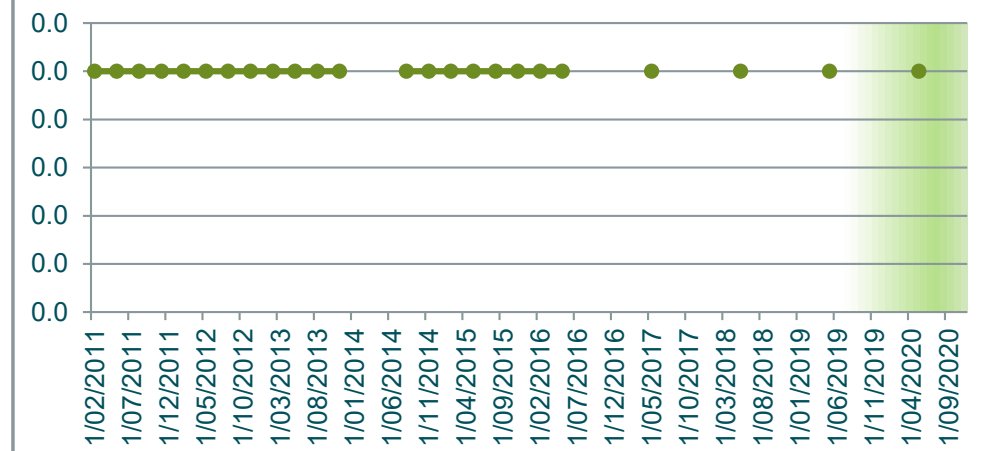
**Bicarbonate HCO3
mg/L**



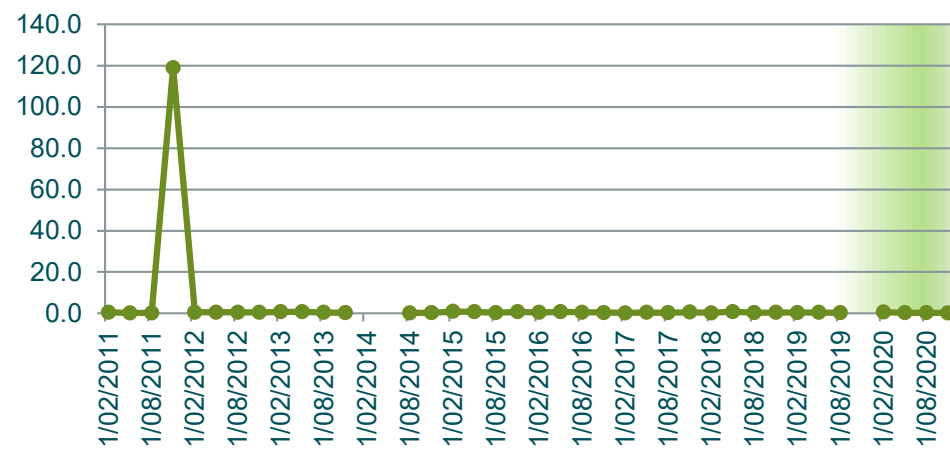
**BOD5
mg/L**



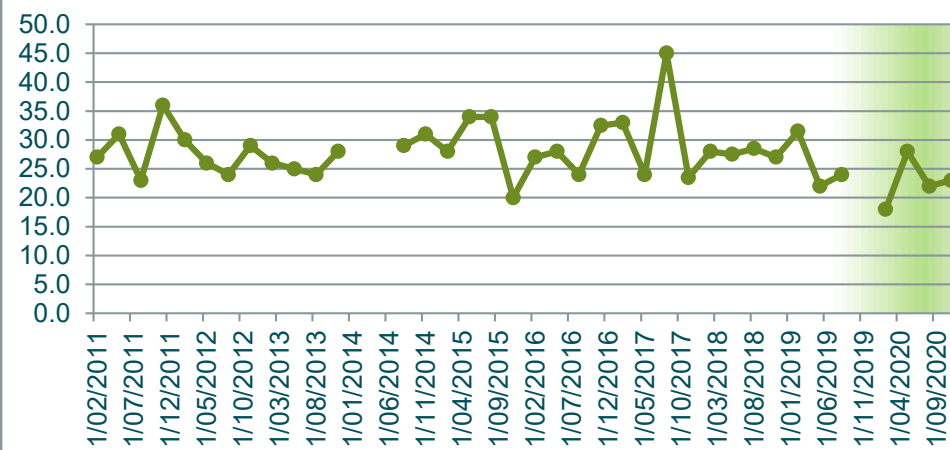
**Cadmium (Total)
mg/L**



**Calcium (Total)
mg/L**



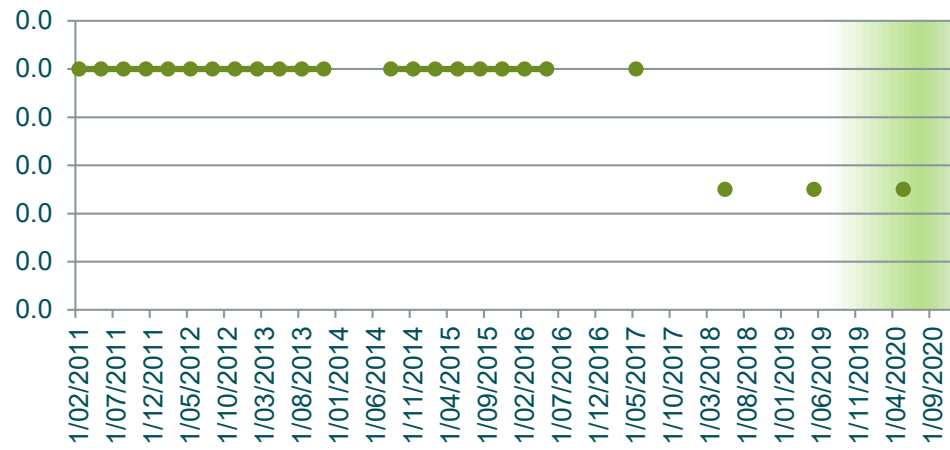
**Chloride
mg/L**



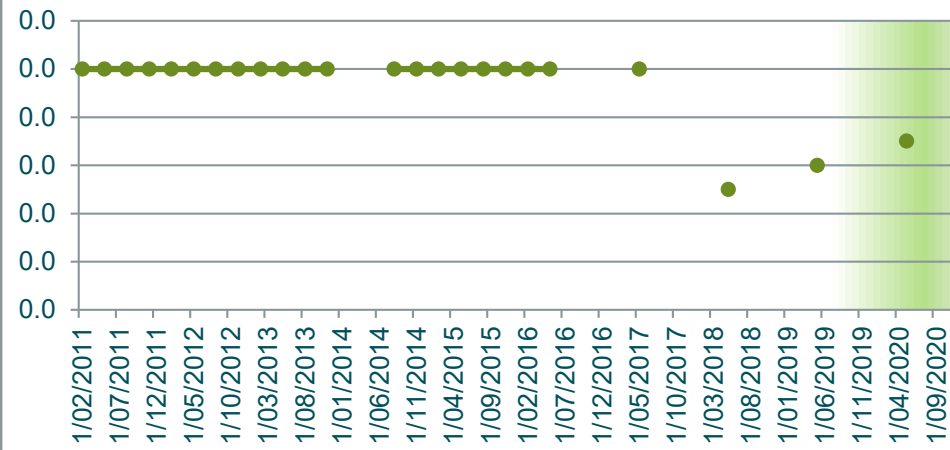
**Chromium (Total)
mg/L**



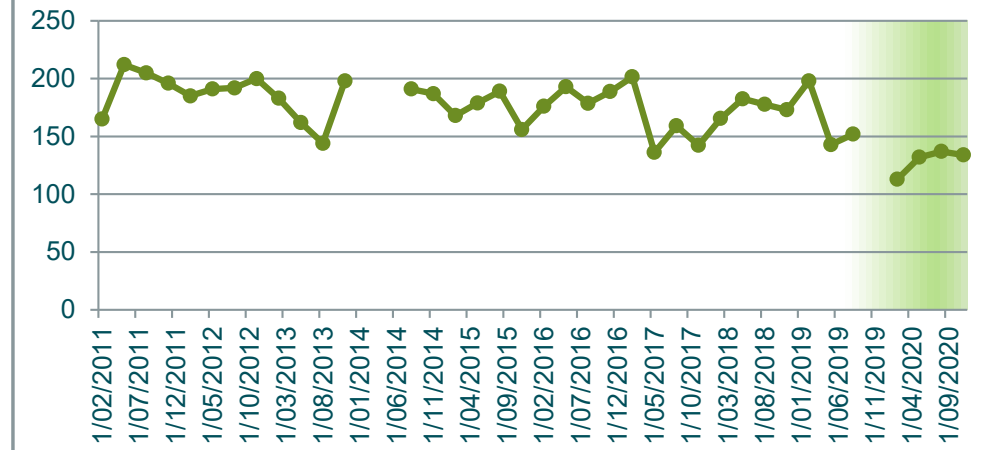
Chromium 3 mg/L



Chromium 6 mg/L



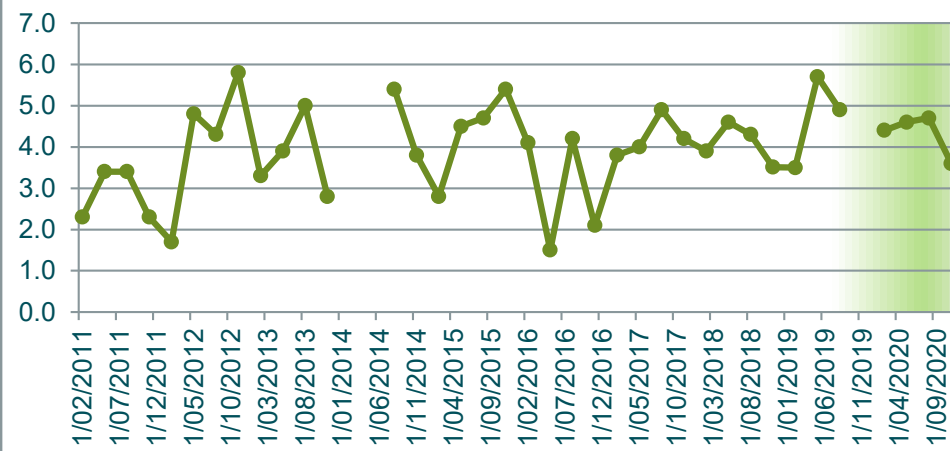
Conductivity µScm-1



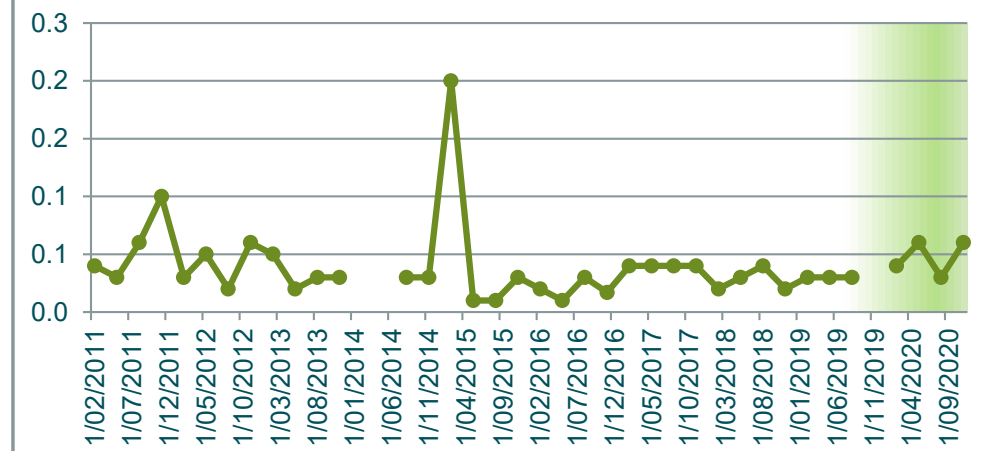
Copper (Total) mg/L



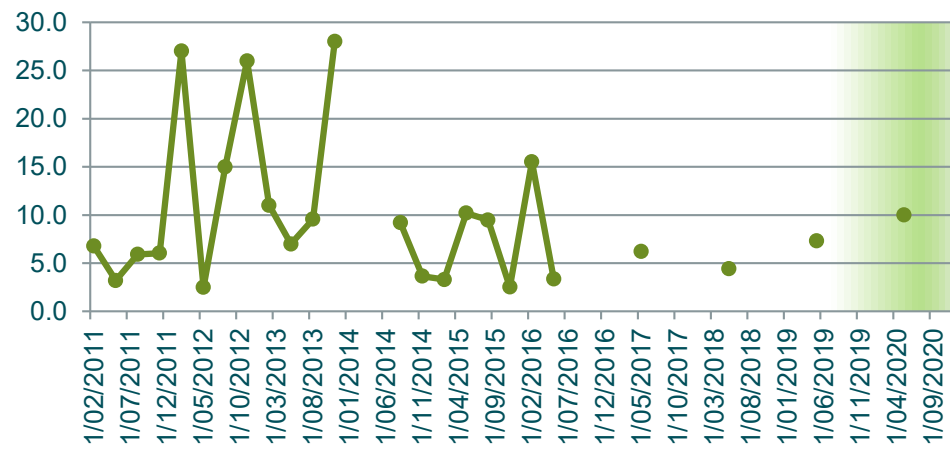
DO (Membrane Electrode) mg/L



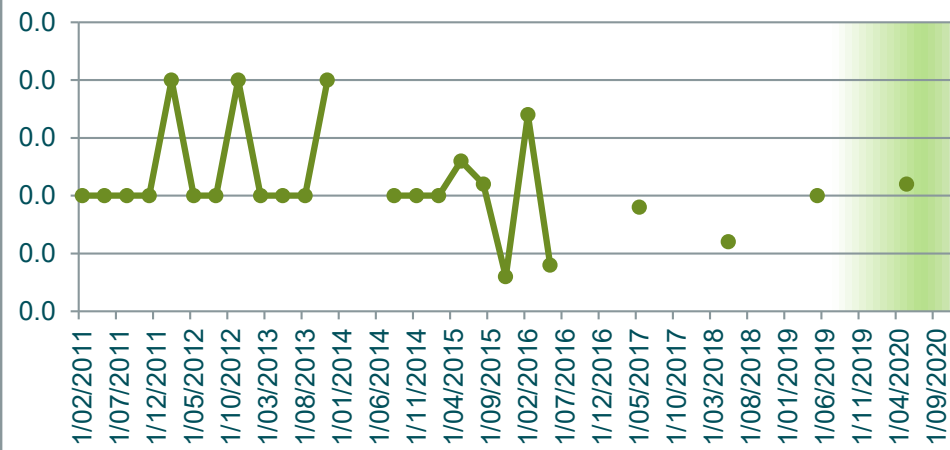
Flouride mg/L



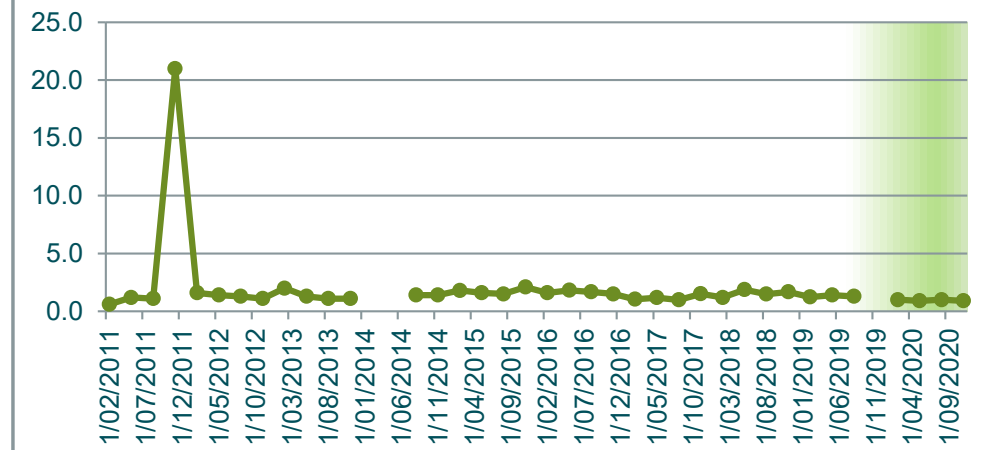
Iron Total mg/L



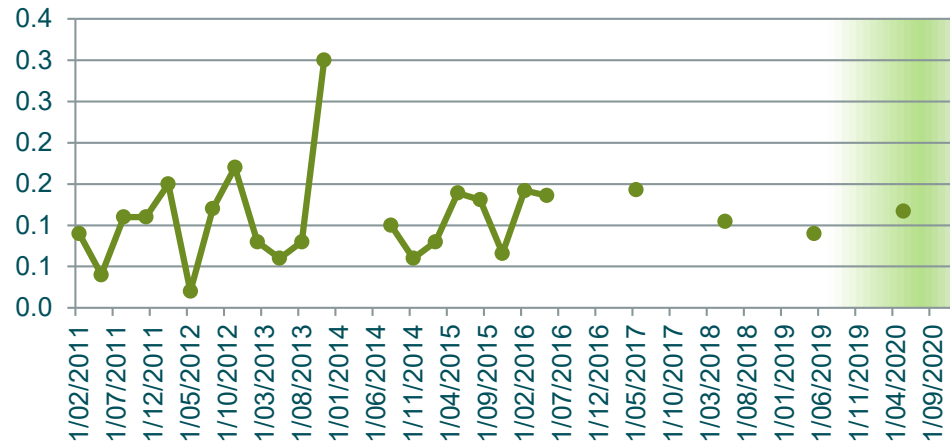
Lead (Total) mg/L



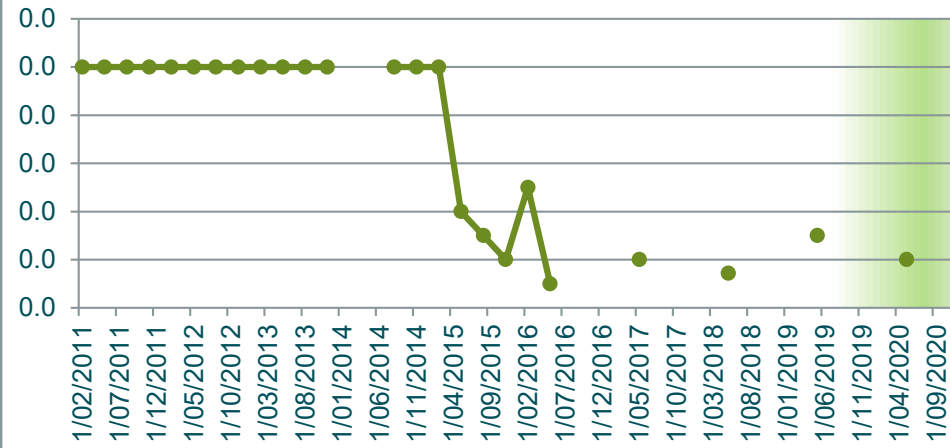
Magnesium (Total) mg/L



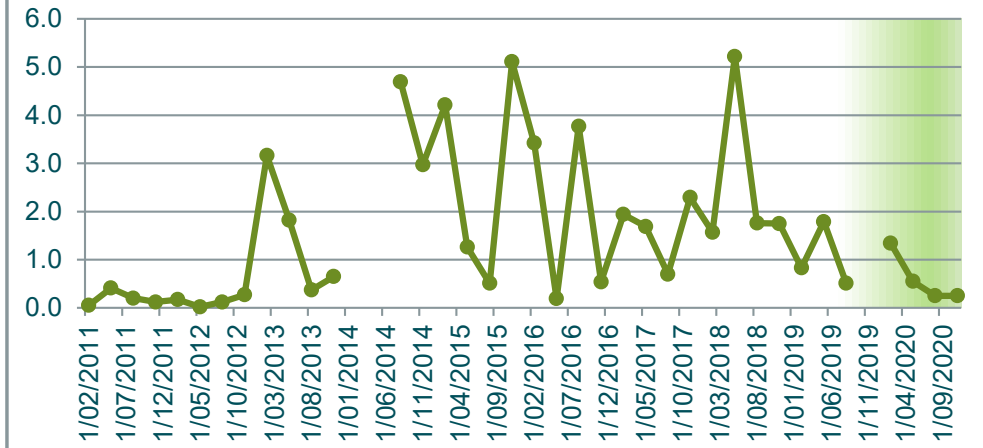
Manganese Total mg/L



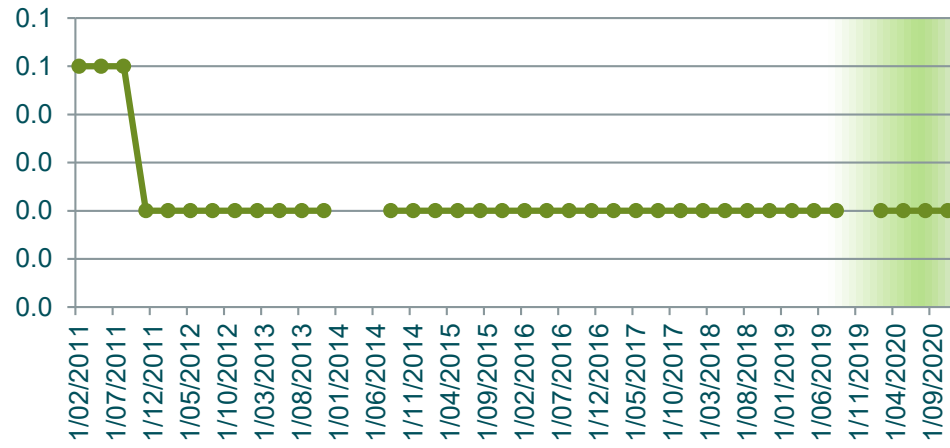
Nickel (Total) mg/L



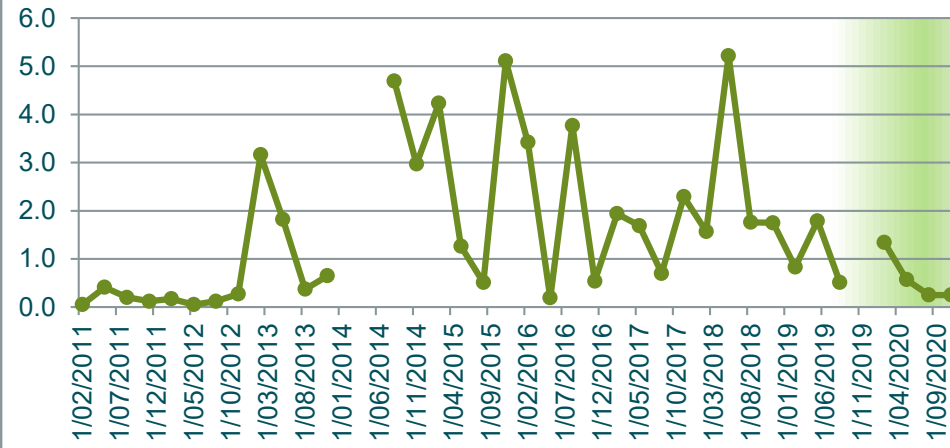
Nitrate N mg/L



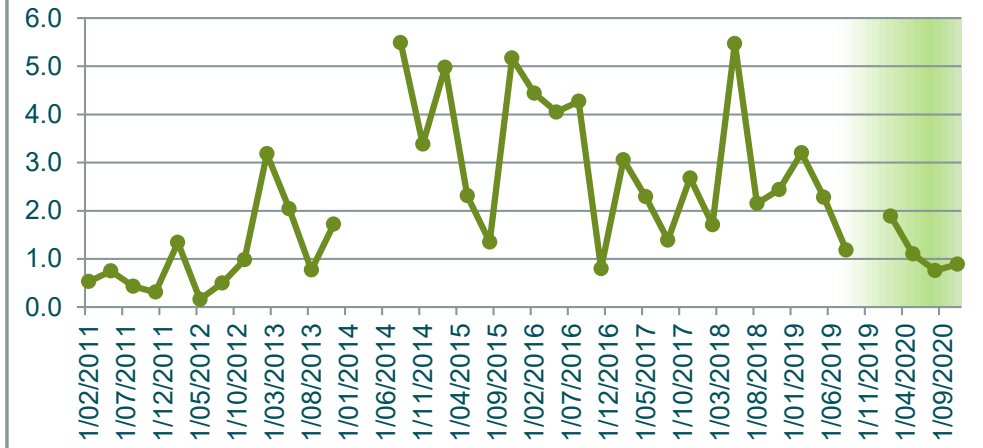
Nitrite N mg/L



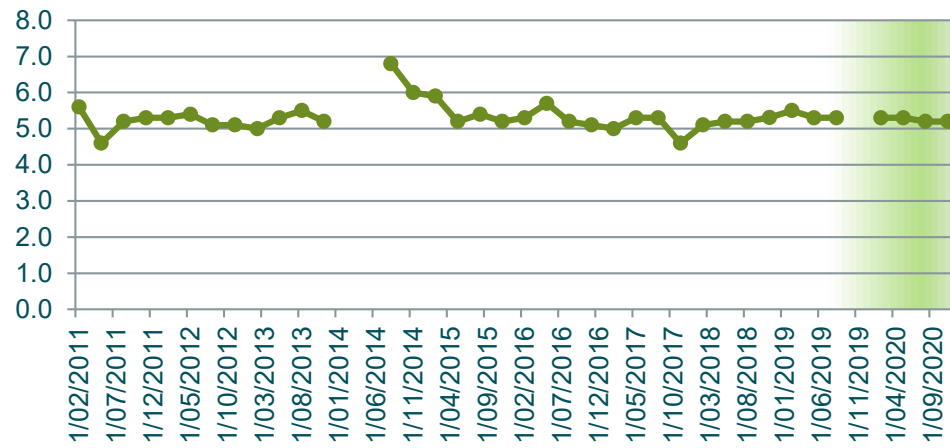
Nitrogen Oxidised mg/L



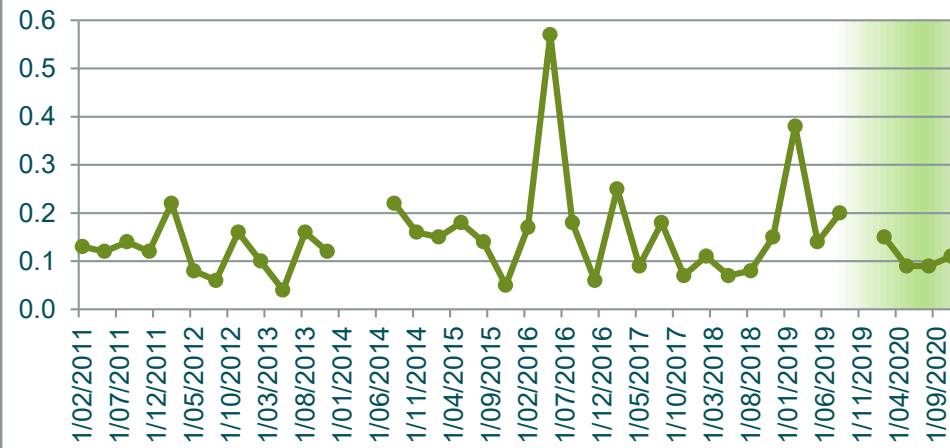
Nitrogen Total mg/L



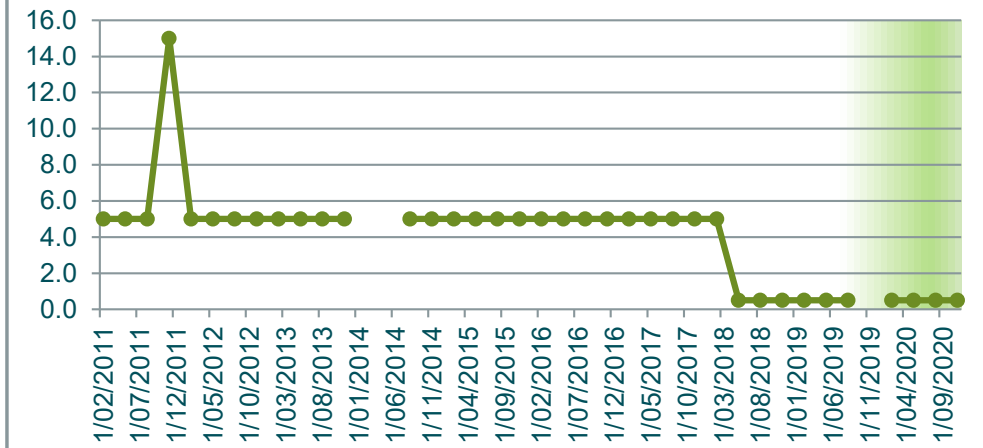
pH pH units



Phosphorus Total mg/L



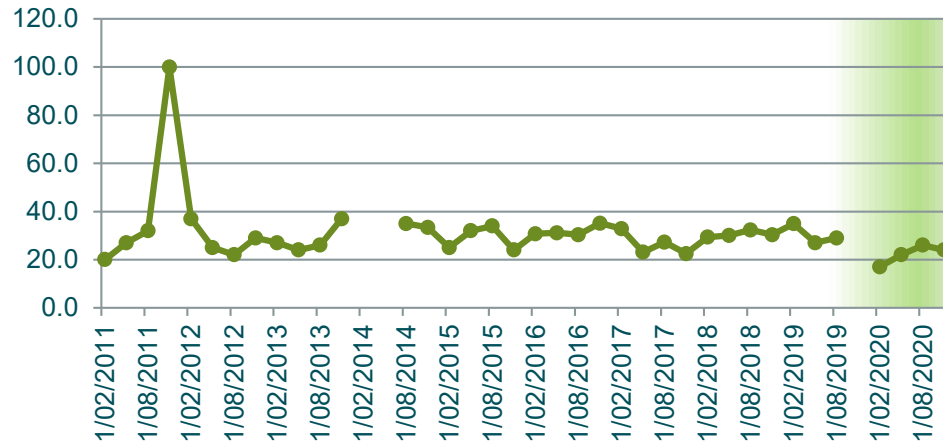
Potassium Total mg/L



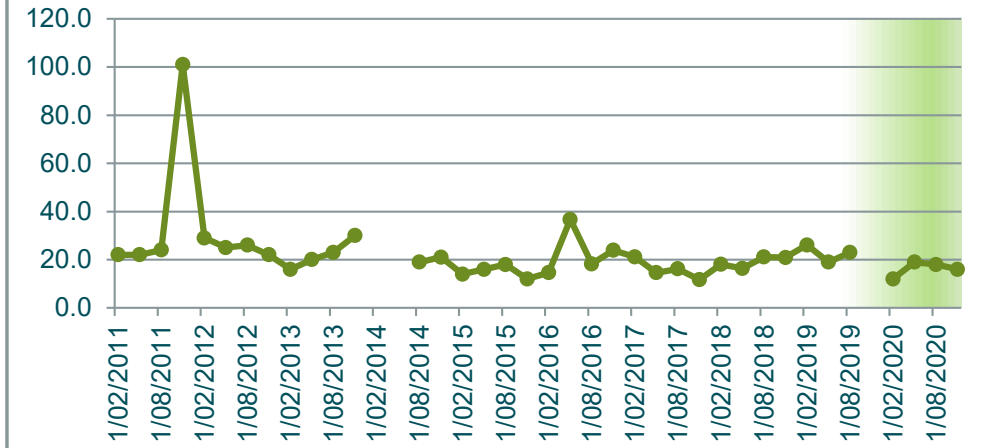
Redox Potential mV



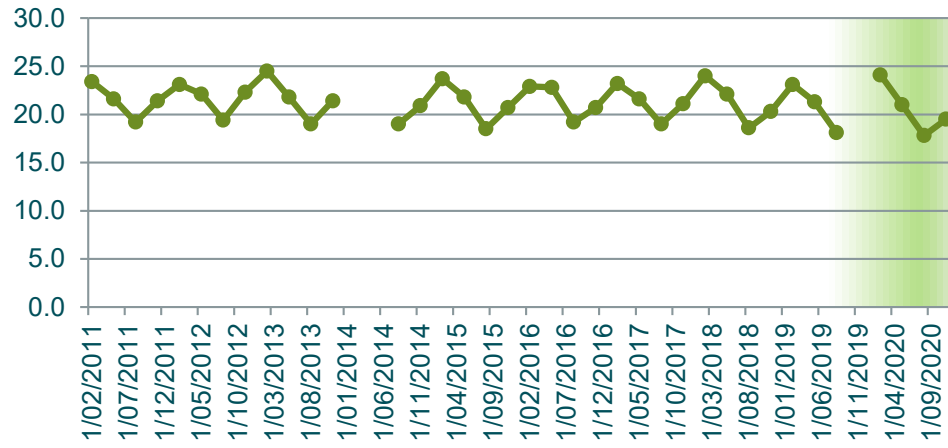
Sodium (Total) mg/L



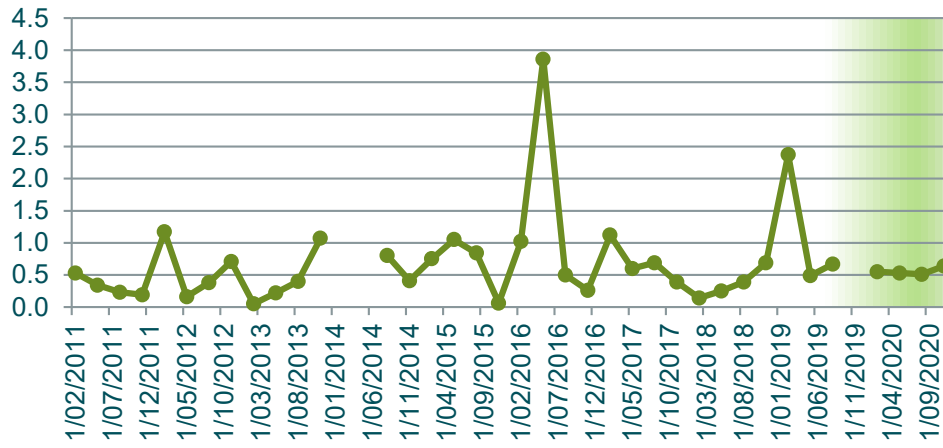
Sulphate mg/L



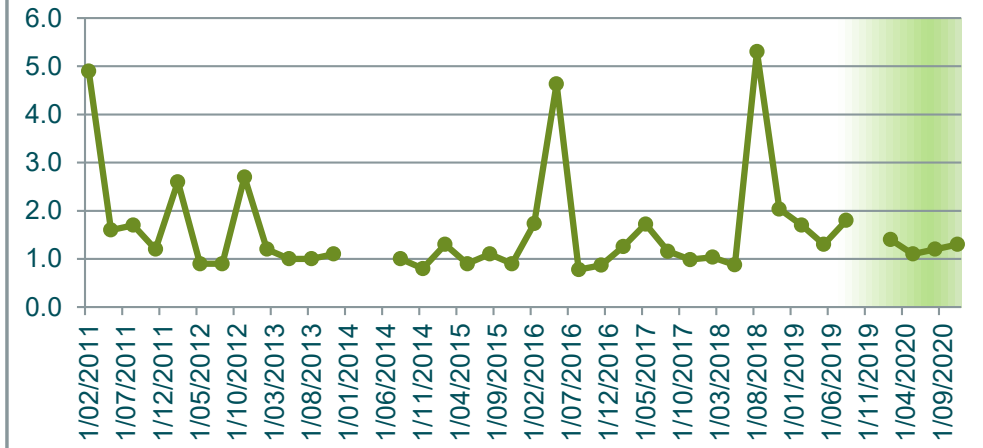
Temperature C



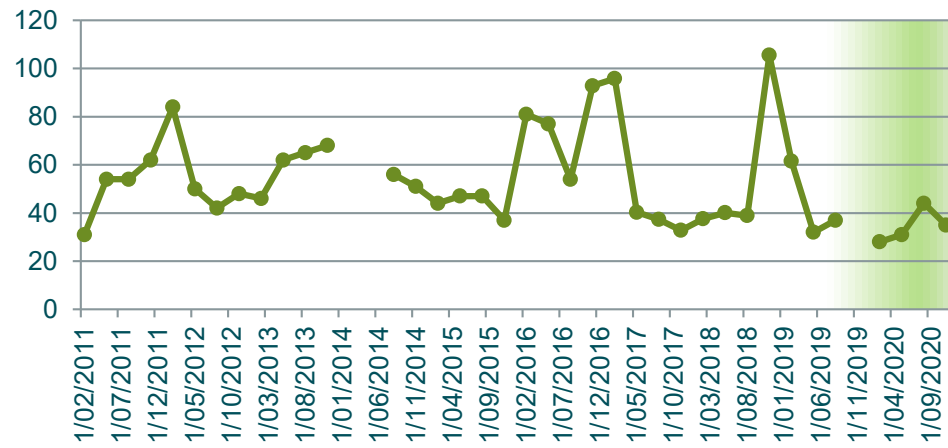
TKN mg/L



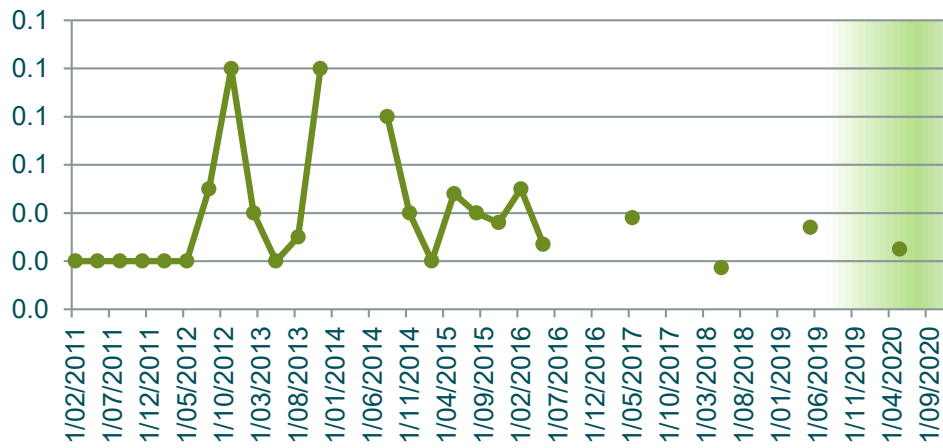
TOC mg/L



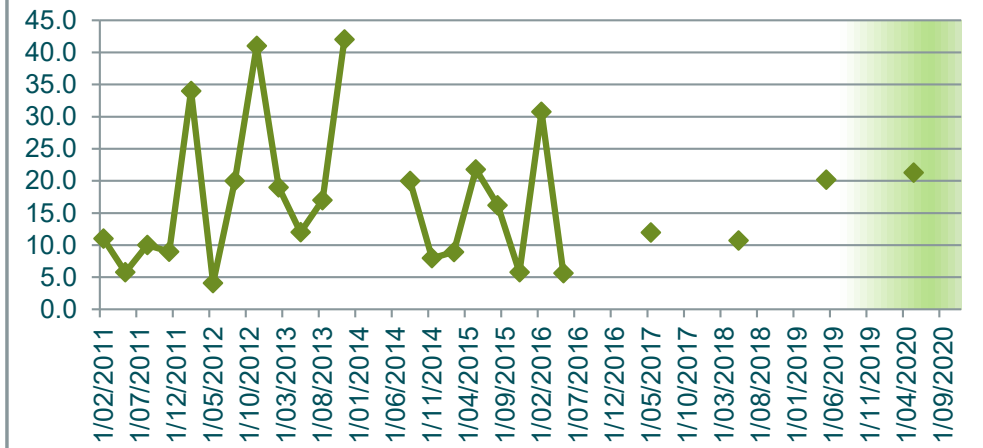
Total Acidity mg/L CaCO3



Zinc (Total) mg/L



Aluminium (Total) mg/L

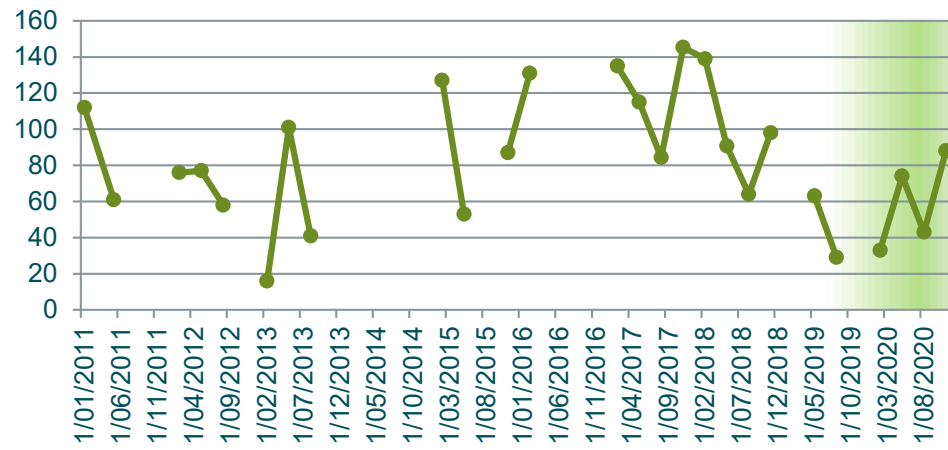


Depth to Groundwater m

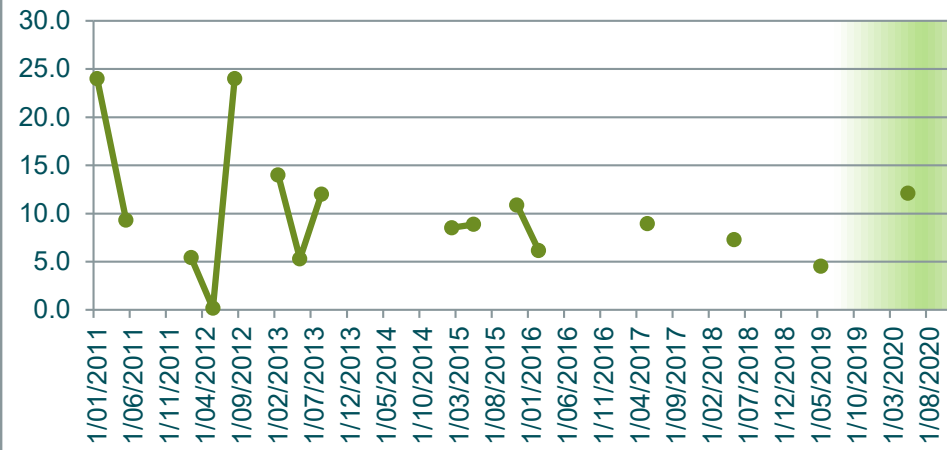


GW17	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m		
31/01/2011	112	24.0	0.3	0.0	68.0	3.4	0.0	51.0	45.0	0.0	0.0	0.0	677	0.1	3.4	0.4	52.0	0.0	17.0	0.8	0.0	0.1	0.1	0.1	1.1	6.2	0.8	5.0	-30	45.0	174	25.6	1.1	3.1	85	0.1			
10/05/2011	61	9.3	0.4	0.0	37.0	5.4	0.0	26.0	36.0	0.0	0.0	0.0	514	0.0	3.6	0.2	26.0	0.0	9.3	0.3	0.0	0.1	0.1	0.1	1.2	5.3	0.3	5.0	118	35.0	96	21.3	1.2	6.3	37	0.0			
9/08/2011																																							
8/11/2011																																							
6/02/2012	76	5.4	0.6	0.0	46.0	10.0	0.0	30.0	36.0	0.0	0.0	0.0	481	0.0	3.1	0.1	21.0	0.0	9.7	0.2	0.0	0.1	0.0	0.1	2.1	5.5	0.4	5.0	31	45.0	99	24.9	2.1	25.0	208	0.0			
8/05/2012	77	0.2	0.5	0.0	47.0	14.0	0.0	14.0	35.0	0.0	0.0	0.0	406	0.0	4.7	0.1	1.4	0.0	4.9	0.3	0.0	0.0	0.1	0.1	2.0	6.0	0.1	5.0	127	24.0	43	22.0	1.9	38.0	338	0.0			
6/08/2012	58	24.0	0.4	0.1	35.0	11.0	0.0	19.0	41.0	0.1	0.1	0.0	504	0.2	3.4	0.1	80.0	0.0	6.0	0.4	0.0	0.1	0.1	0.2	2.3	5.6	0.4	5.0	29	22.0	19	19.3	2.2	19.0	260	0.2			
13/11/2012																																							
13/02/2013	16	14.0	0.8	0.0	10.0	6.6	0.0	26.0	35.0	0.0	0.0	0.0	462	0.0	4.4	0.0	28.0	0.0	7.6	0.3	0.0	0.0	0.0	0.1	2.1	5.6	0.2	5.0	-21	30.0	69	25.0	2.1	14.0	223	0.1			
14/05/2013	101	5.3	0.6	0.0	62.0	8.7	0.0	19.0	50.0	0.0	0.0	0.0	469	0.0	3.0	0.1	51.0	0.0	5.5	0.2	0.0	0.1	0.0	0.1	2.1	5.8	0.1	5.0	-35	26.0	44	21.5	2.0	28.0	182	0.1			
6/08/2013	41	12.0	0.6	0.1	25.0	12.0	0.0	16.0	90.0	0.0	0.0	0.0	430	0.0	4.2	0.1	77.0	0.0	4.3	0.2	0.0	0.0	0.0	0.1	2.0	5.8	0.2	5.0	6	28.0	44	18.9	1.9	22.0	395	0.1			
12/11/2013																																							
11/02/2014																																							
13/05/2014																																							
12/08/2014																																							
10/11/2014																																							
9/02/2015	127	8.5	0.6	0.0	77.0	4.8	0.0	39.0	40.0	0.0	0.0	0.0	510	0.0	3.6	0.3	23.2	0.0	9.4	0.3	0.0	0.1	0.0	0.1	2.3	6.2	0.8	5.0	-22	32.0	64	24.7	2.2	12.0	147	0.1			
11/05/2015	53	8.9	0.5	0.0	32.0	6.6	0.0	20.0	30.0	0.0	0.0	0.0	320	0.0	3.9	0.1	24.2	0.0	4.8	0.2	0.0	0.0	0.0	0.0	1.7	5.8	0.4	5.0	37	25.0	39	21.9	1.7	15.0	212	0.1			
11/08/2015																																							
10/11/2015	87	10.9	0.3	0.1	87.0	3.3	0.0	24.0	33.0	0.0	0.0	0.0	334	0.0	2.8	0.2	35.9	0.0	7.4	0.3	0.0	0.0	0.0	0.0	1.7	5.9	0.4	5.0	-15	28.0	48	22.0	1.7	10.5	191	0.1			
8/02/2016	131	6.2	0.3	0.0	131.0	2.1	0.0	43.4	34.0	0.0	0.0	0.0	470	0.0	3.2	0.2	17.2	0.0	8.7	0.3	0.0	0.0	0.0	0.0	1.5	6.1	0.7	5.0	24	30.0	44	24.8	1.5	12.2	240	0.0			
9/05/2016																																							
9/08/2016																																							
7/11/2016																																							
7/02/2017	135		0.5		135.0	3.6		44.4	35.0				519		4.6	0.3			9.5			0.0	0.0	0.0	1.5	6.2	0.3	5.0	49	33.7	51	26.9	1.5	9.8	212				
8/05/2017	115	8.9	0.5	0.0	115.0	3.6	0.0	35.7	36.0	0.0	0.0	0.0	455	0.0	3.8	0.2	24.4	0.0	8.2	0.3	0.0	0.0	0.0	0.1	1.4	5.9	0.3	5.0	84	34.8	59	22.5	1.4	11.2	156	0.0			
8/08/2017	84		0.6		84.0	3.0		27.1	42.5				373		3.6	0.1			5.7			0.0	0.0	0.0	1.8	5.8	0.4	5.0	170	28.8	33	19.8	1.7	16.6	200		2.2		
7/11/2017	145		0.6		145.0	2.7		50.1	40.0				580		2.9	0.2			12.4			0.0	0.0	0.0	1.3	6.0	0.3	5.0	60	45.9	71	22.2	1.3	10.0	163		2.2		
13/02/2018	139		0.5		139.0	1.2		49.2	41.0				548		3.9	0.3			10.8			0.0	0.0	0.0	1.2	6.2	0.3	5.0	5	40.6	68	25.8	1.2	10.6	138		2.5		
8/05/2018	91	7.3	0.8	0.0	91.0	3.0	0.0	33.1	37.0	0.0	0.0	0.0	430	0.0	3.4	0.2	24.2	0.0	7.5	0.3	0.0	0.0	0.0	0.0	1.8	5.9	0.4	3.4	76	34.8	59	22.5	1.7	15.8	167	0.0	2.1		
14/08/2018	64		0.7		64.0	7.8		39.6	34.0				431		3.8	0.1			7.5			0.0	0.0	0.0	1.8	5.8	0.5	3.6	236	33.5	92	20.0	1.8	34.0	131		2.4		
13/11/2018	98		0.7		98.0	3.6		48.5	31.0				558		3.7	0.2			9.4			0.0	0.0	0.0	1.6	5.8	0.5	3.7	54	35.0	132	22.1	1.6	12.7	219		2.3		
13/02/2019																																							
14/05/2019	63	4.5	0.7	0.0	63.0	4.8	0.0	55.0	18.0	0.0	0.0	0.0	584	0.0	3.7	0.2	35.5	0.0	11.0	0.5	0.0	0.0	0.0	0.0	1.4	5.8	0.6	4.5	53	40.0	184	22.7	1.4	14.0	200	0.0	2.1		
13/08/2019	29		0.8		29.0	4.8		41.0	28.0				473		3.8	0.2			8.5			0.0	0.0	0.0	2.1	5.6	0.5	3.3	274	31.0	147	20.6	2.1	18.0	150		2.2		
12/11/2019																																							
25/02/2020	33.0		0.9		33.0	7.5		44.0	21.0				562.0		3.5	0.2			8.5			0.0	0.0	0.0	1.8	5.5	0.2	3.8	17.7	26.0	196.0	24.7	1.8	12.0	190.0		1.8		
12/05/2020	74.0	12.1	0.8	0.1	74.0	7.8	0.0	56.0	30.0	0.0	0.0	0.0	672.0	0.0	3.0	0.1	60.8	0.0	12.0	0.6	0.0	0.0	0.0	0.0	2.1	5.8	0.3	4.2	42.6	38.0	220.0	22.5	2.1	16.0	190.0	0.1	2.3		
11/08/2020	43.0		1.0		43.0	6.0		46.0	26.0				510.0		3.6	0.1			10.0			0.0	0.0	0.0	2.2	5.5	0.2	3.9	102.9	32.0	147.0	20.3	2.1	16.0	170.0		2.0		
10/11/2020	88.0		1.0		88.0	3.6		52.0	25.0				651.0		3.4	0.2			13.0			0.0	0.0	0.0	1.9	5.7	0.7	4.1	49.0	35.0	196.0	21.6	1.8	14.0	180.0		2.3		
2020 Min	33.0	12.1	0.8	0.1	33.0	3.6	0.0	44.0	21.0	0.0	0.0	0.0	510.0	0.0	3.0	0.1	60.8	0.0	8.5	0.6	0.0	0.0	0.0	0.0	1.8	5.5	0.2	3.8	17.7	26.0	147.0	20.3	1.8	12.0	170.0	0.1	1.8		
2020 Max	88.0	12.1	1.0	0.1	88.0	7.8	0.0	56.0	30.0	0.0	0.0	0.0	672.0	0.0	3.6	0.2	60.8	0.0	13.0	0.6	0.0	0.0	0.0	0.0	2.2	5.8	0.7	4.2	102.9	38.0	220.0	24.7	2.1	16.0	190.0	0.1	2.3		
2020 Mean	59.5	12.1	0.9	0.1	59.5	6.2	0.0	49.5	25.5	0.0	0.0	0.0	598.8	0.0	3.4	0.1	60.8	0.0	10.9	0.6	0.0	0.0	0.0	0.0	2.0	5.6	0.4	4.0	53.1	32.8	189.8	22.3	2.0	14.5	182.5	0.1	2.1		
Long-term Average	82.4	10.1	0.6	0.0	71.5	5.8	0.0	36.5	36.5	0.0	0.0	0.0	497.0	0.0	3.6	0.2	36.4	0.0	8.8	0.3	0.0	0.0	0.0	0.0	1.8	5.8	0.4	4.6	58.5	33.0	93.8	22.5	1.7	16.0	191.7	0.1	2.2		

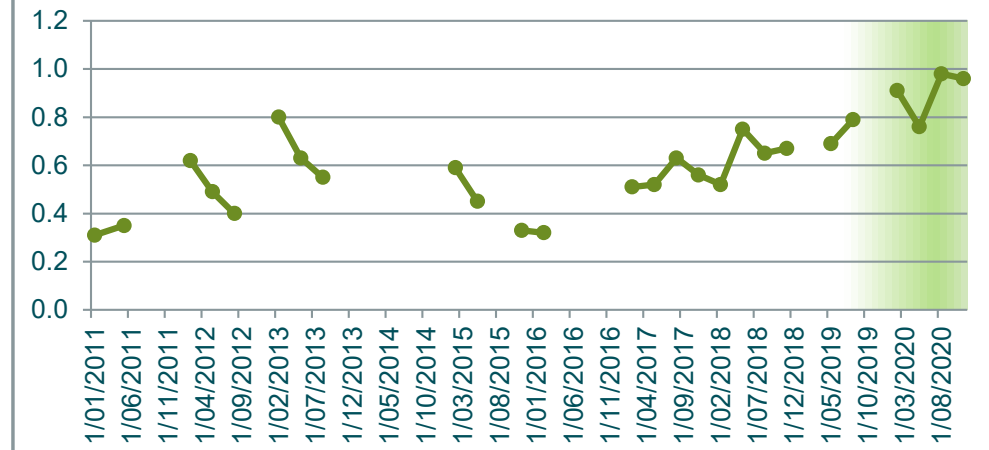
Alkalinity
mg/L as CaCO₃



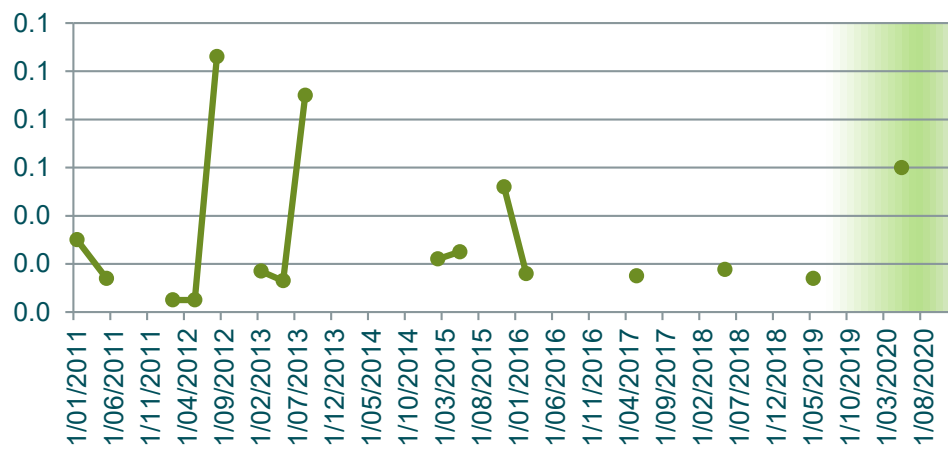
Aluminium (Total)
mg/L



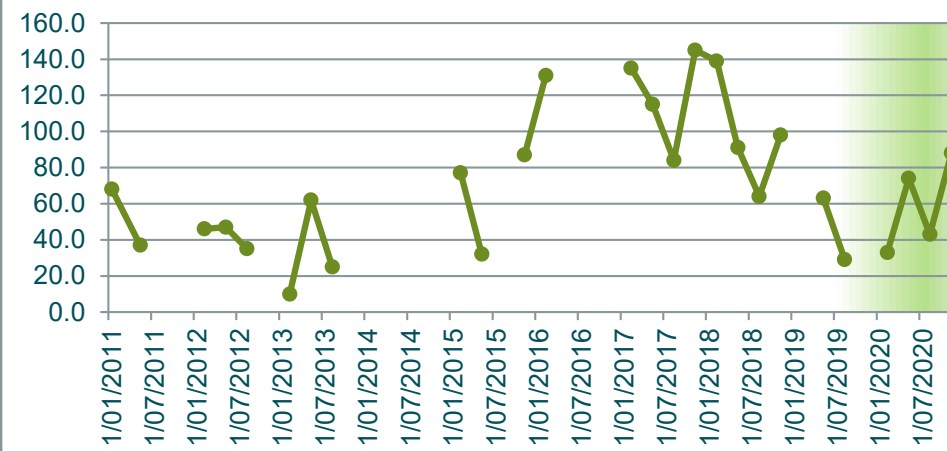
Ammonia
mg/L



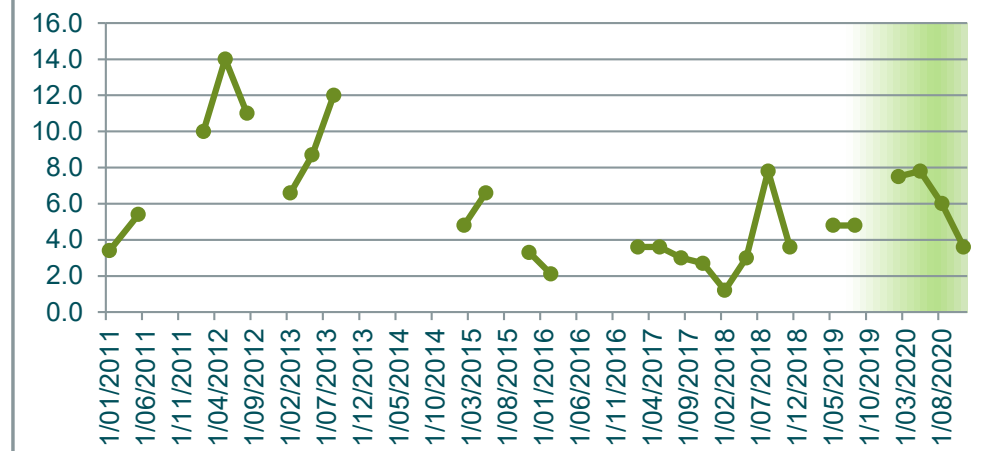
Arsenic (Total)
mg/L



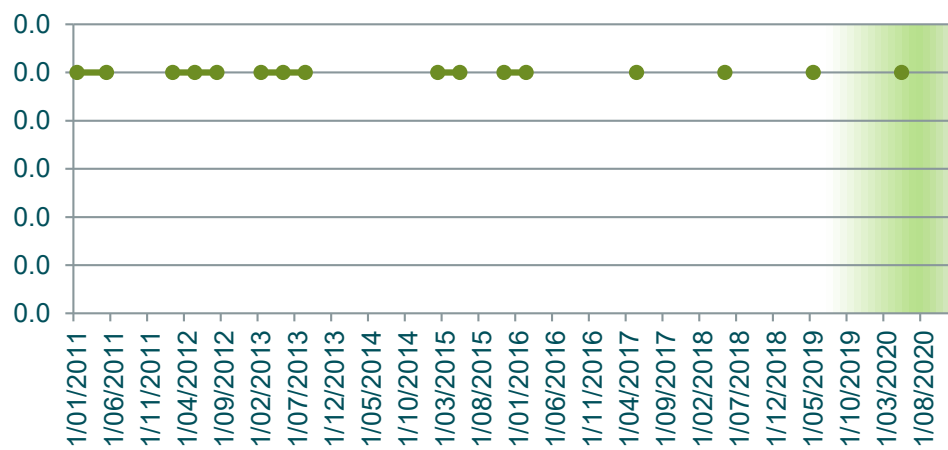
Bicarbonate HCO₃
mg/L



BOD₅
mg/L



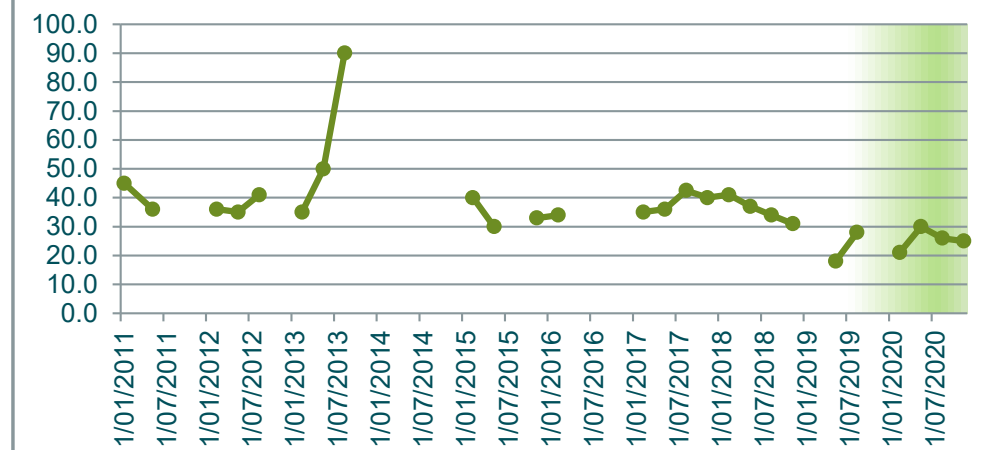
Cadmium (Total)
mg/L



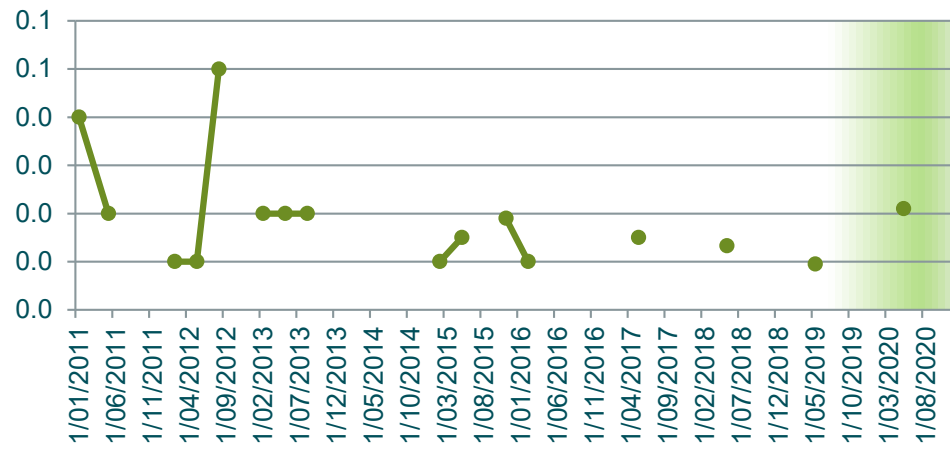
Calcium (Total)
mg/L



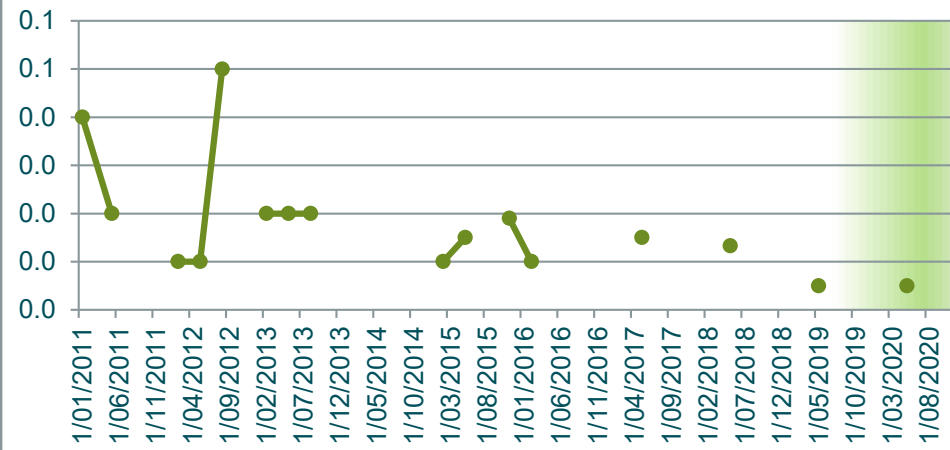
Chloride
mg/L



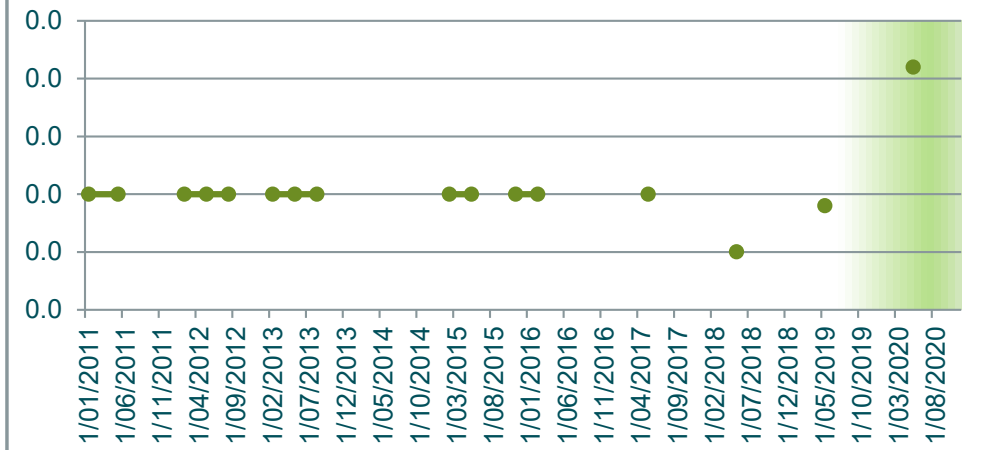
Chromium (Total) mg/L



Chromium 3 mg/L



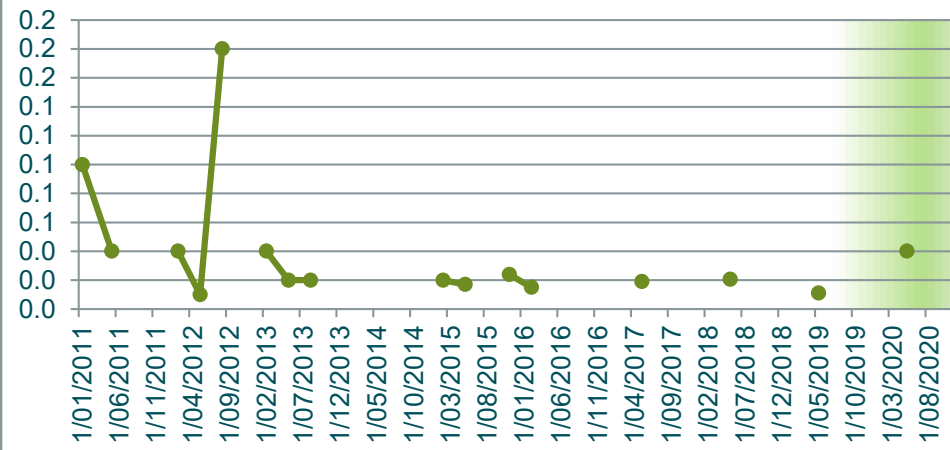
Chromium 6 mg/L



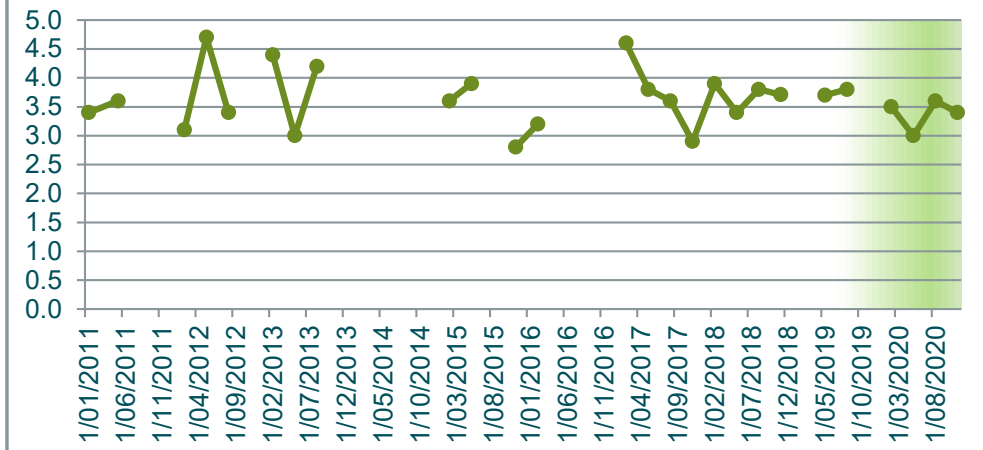
Conductivity µScm-1



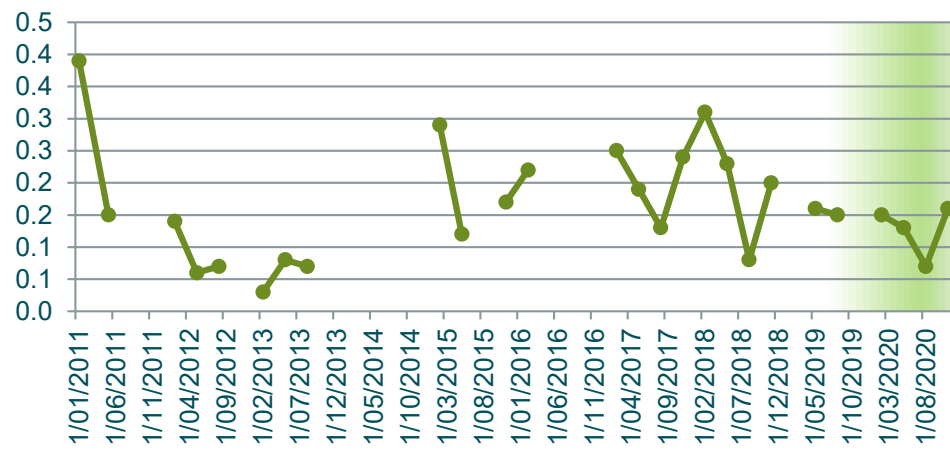
Copper (Total) mg/L



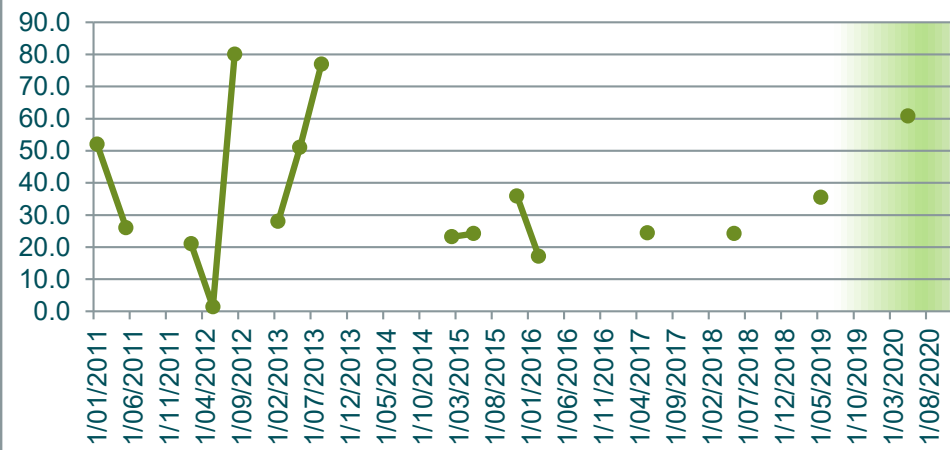
DO (Membrane Electrode) mg/L



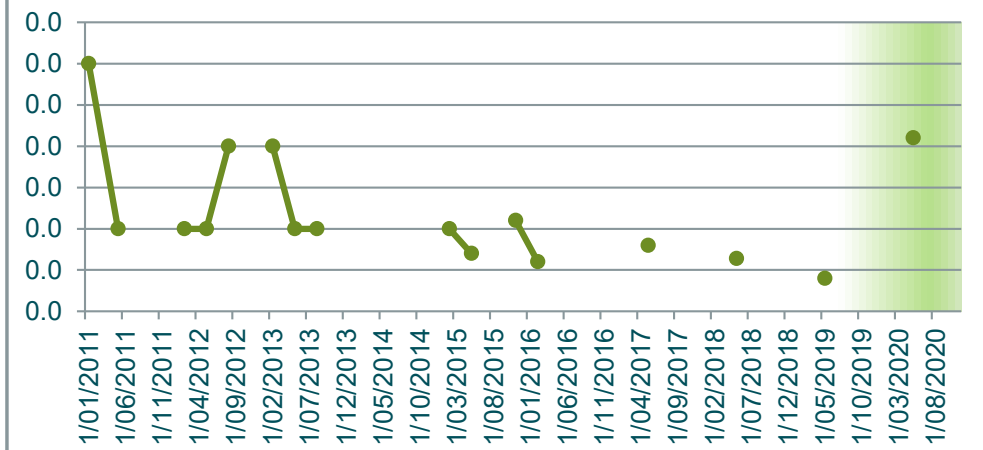
Flouride mg/L



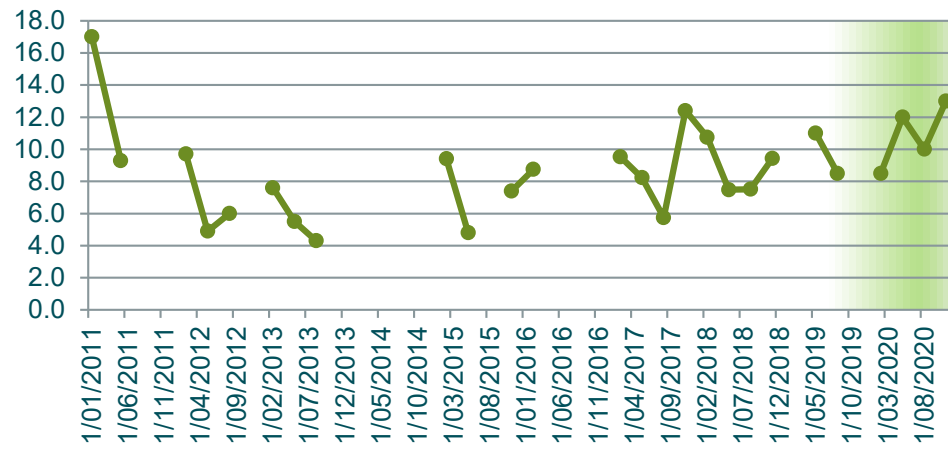
Iron Total mg/L



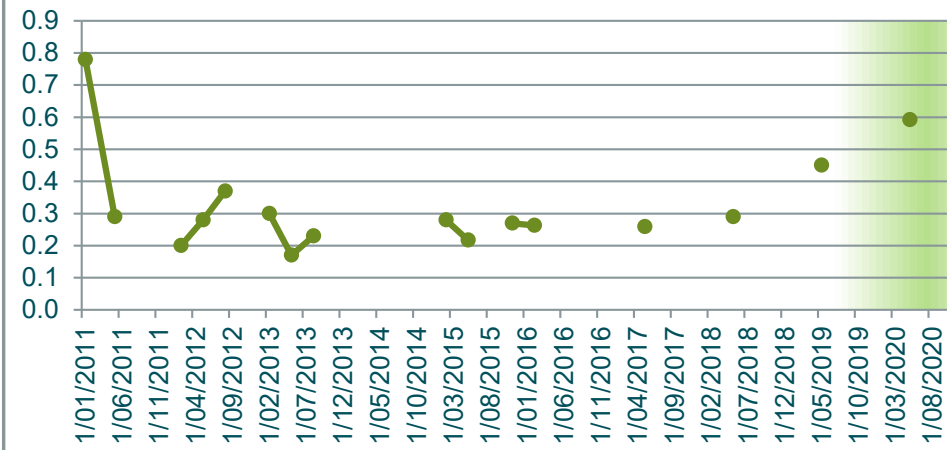
Lead (Total) mg/L



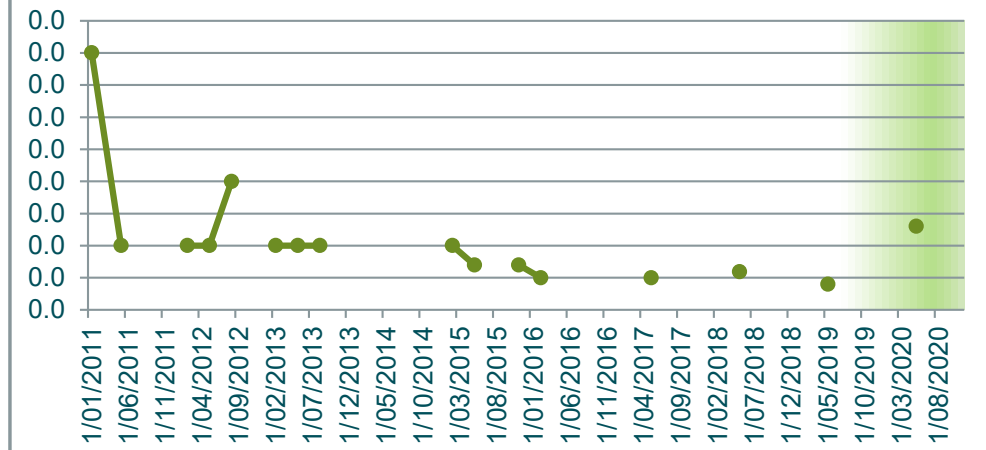
Magnesium (Total) mg/L



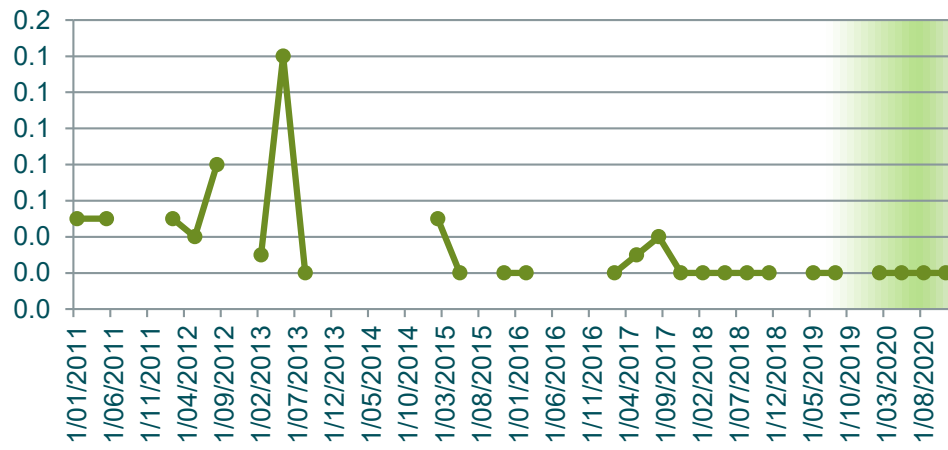
Manganese Total mg/L



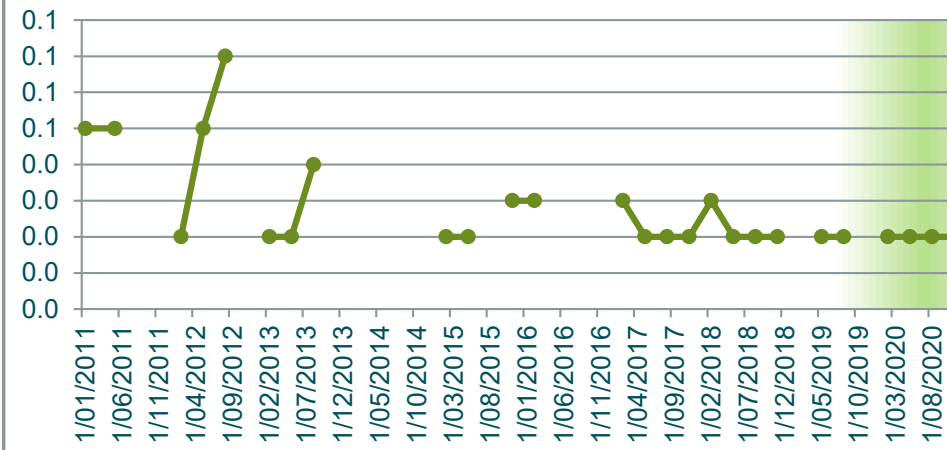
Nickel (Total) mg/L



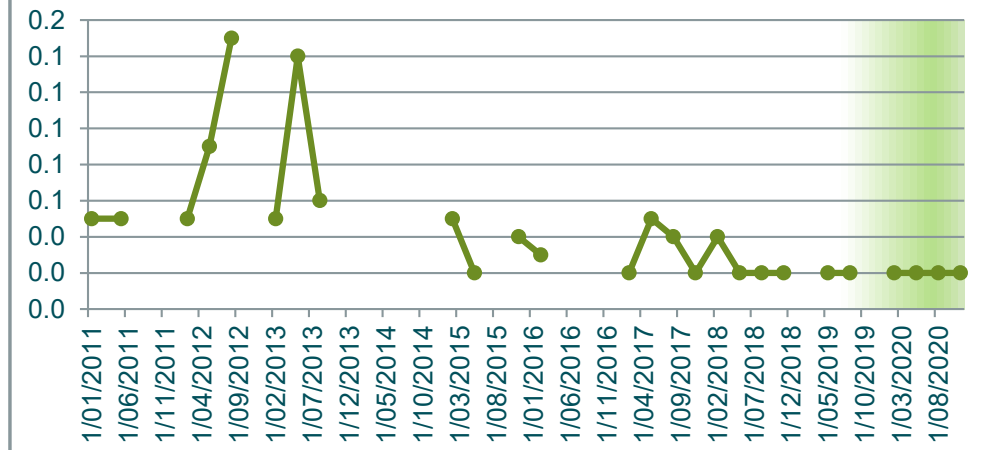
Nitrate N mg/L



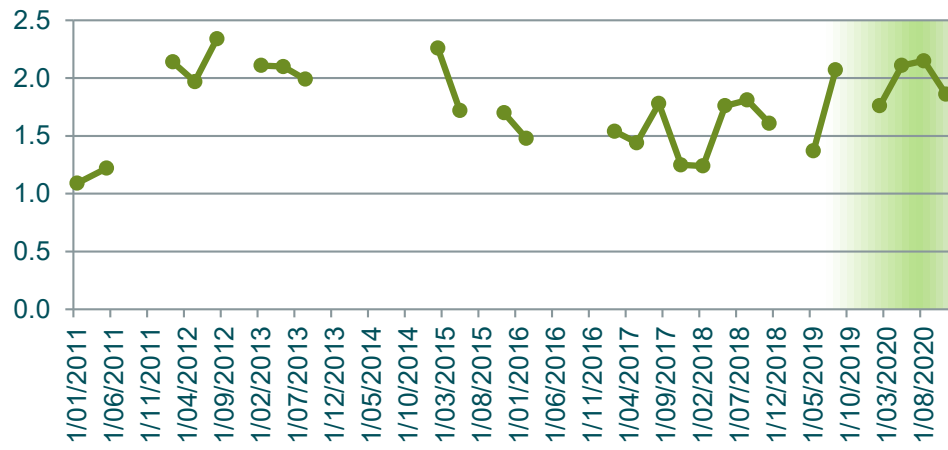
Nitrite N mg/L



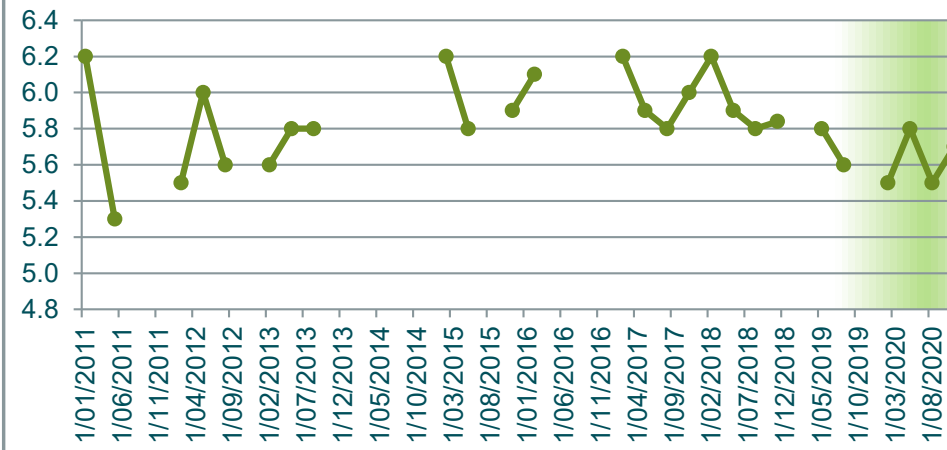
Nitrogen Oxidised mg/L



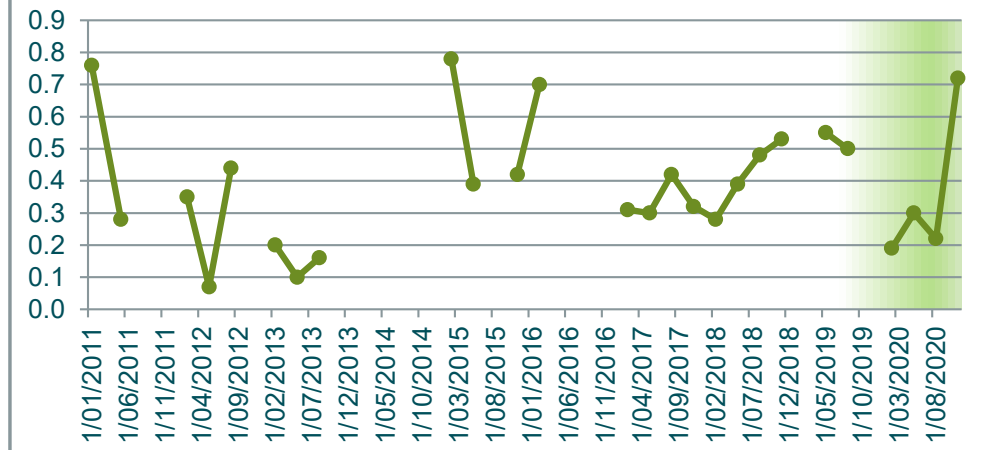
Nitrogen Total mg/L



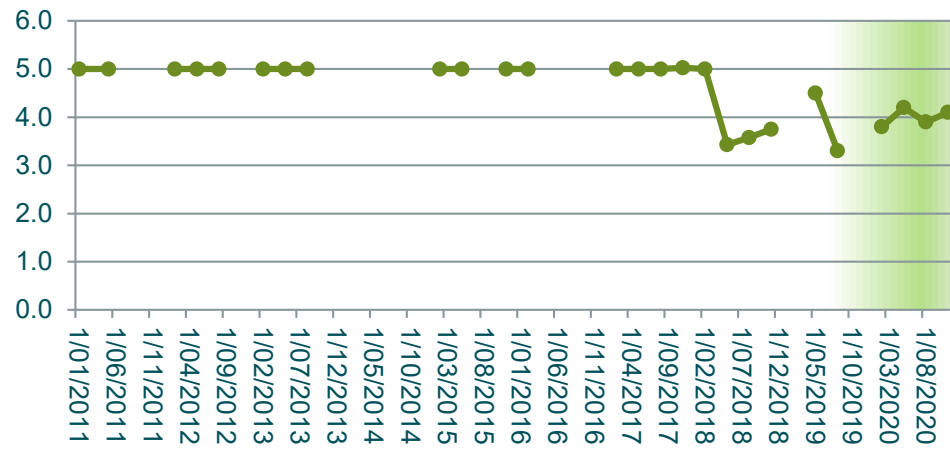
pH pH units



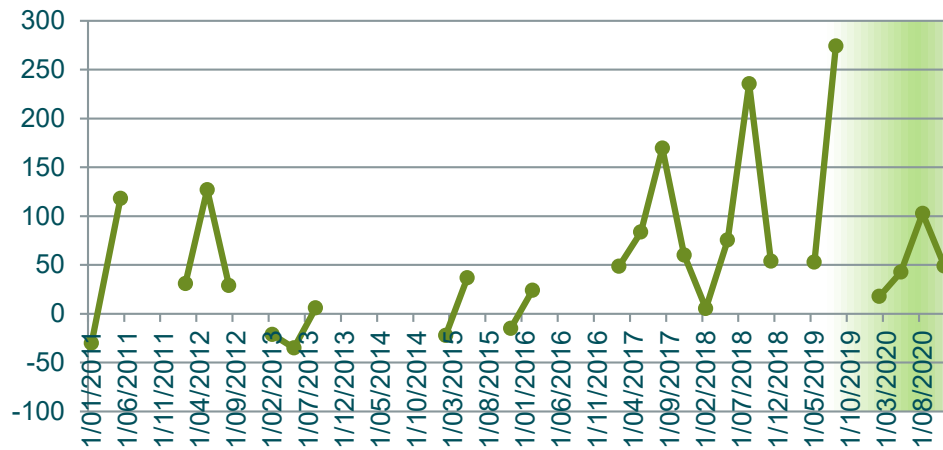
Phosphorus Total mg/L



**Potassium Total
mg/L**



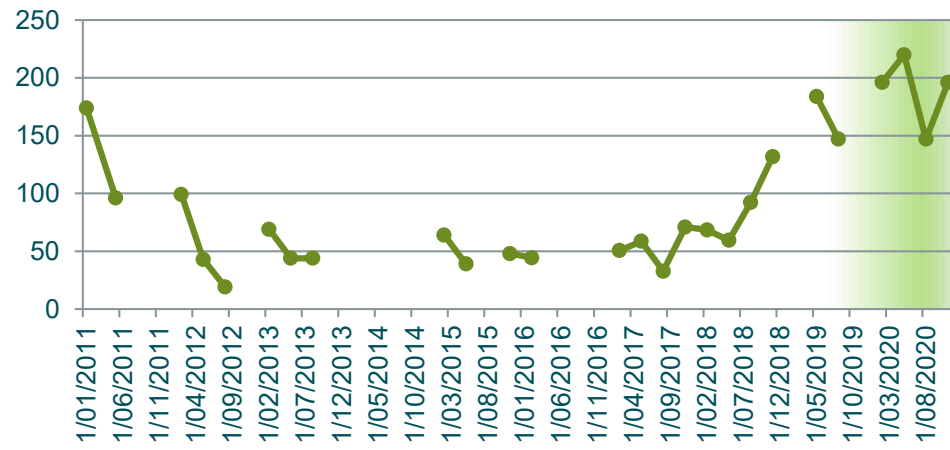
**Redox Potential
mV**



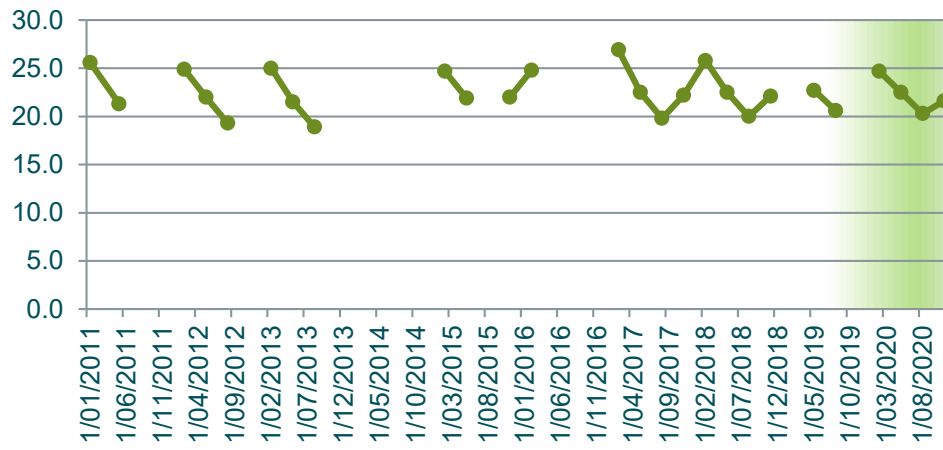
**Sodium (Total)
mg/L**



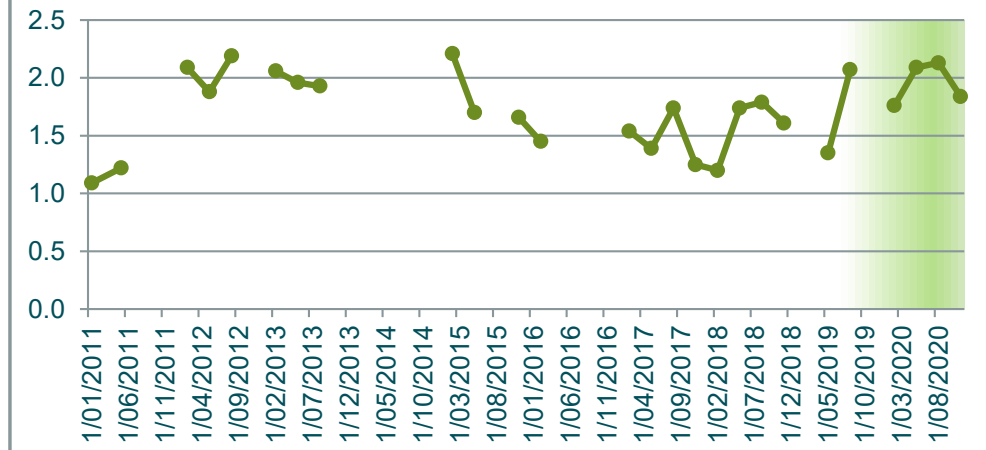
**Sulphate
mg/L**



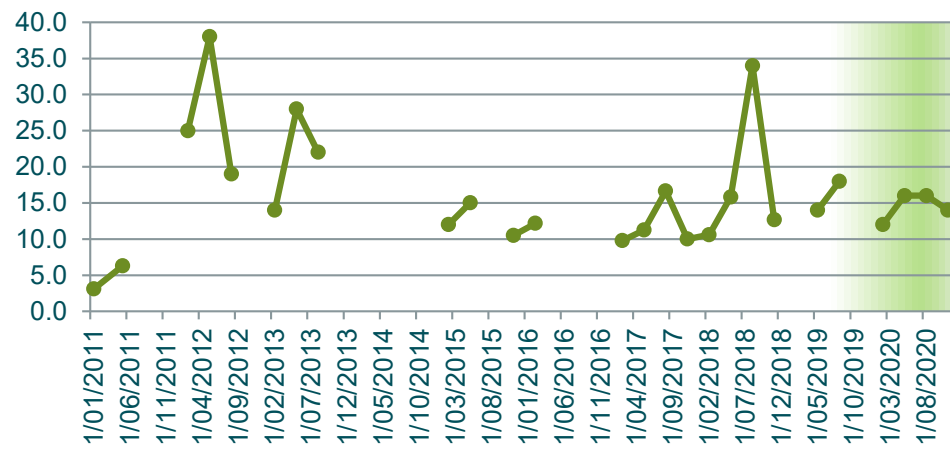
**Temperature
C**



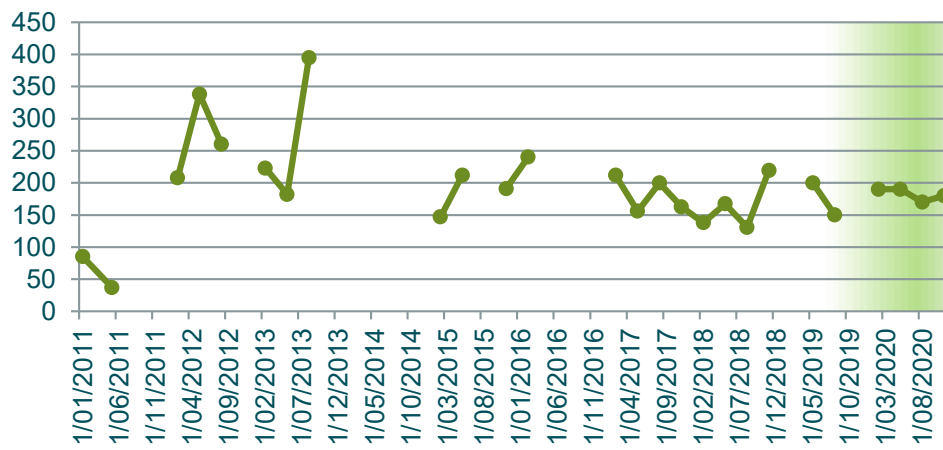
**TKN
mg/L**



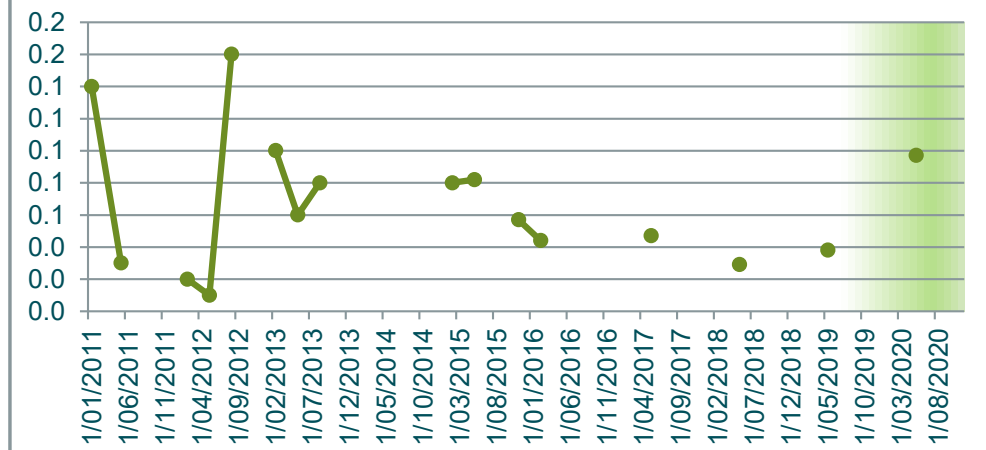
**TOC
mg/L**



**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**

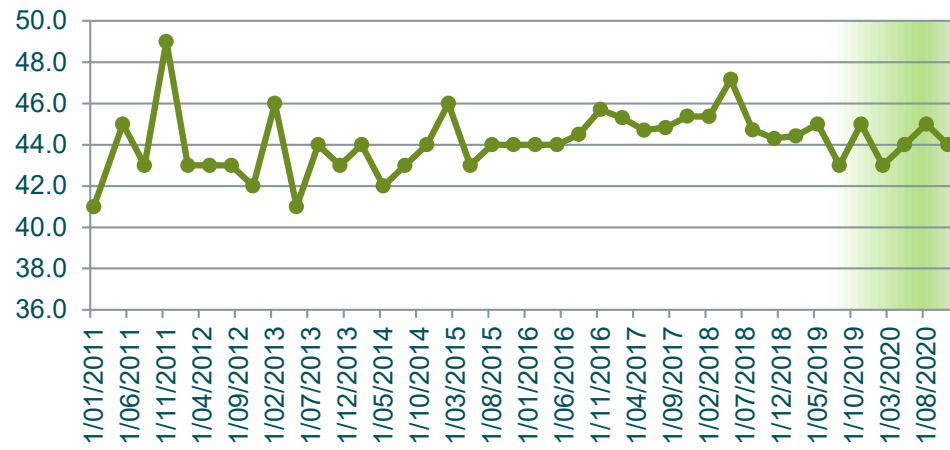


Depth to Groundwater m

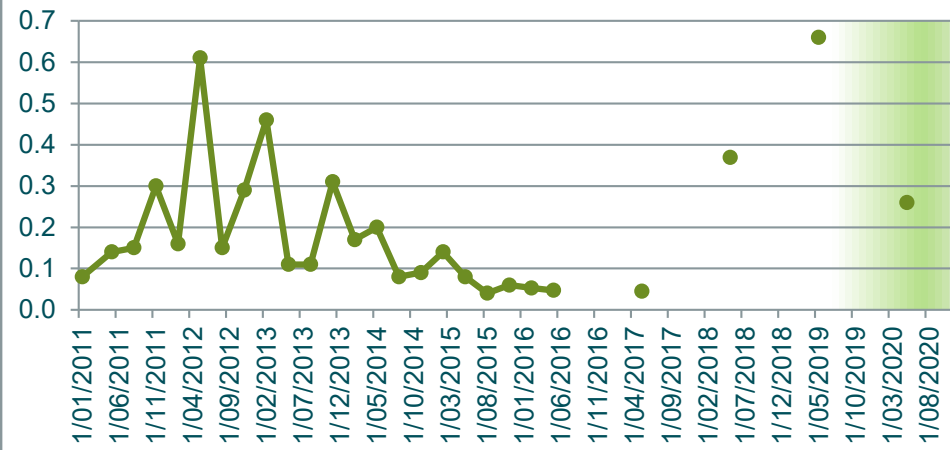


GW19	Alkalinity mg/L as CaCO3	Aluminium (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m
31/01/2011	41.0	0.1	0.1	0.0	25.0	1.0	0.0	1.0	42.0	0.0	0.0	0.0	292	0.0	2.0	0.2	0.3	0.0	0.7	0.0	0.0	0.4	0.1	0.4	0.4	6.5	0.1	5.0	69	46.0	29.0	21.6	0.1	8.4	29	0.0	
10/05/2011	45.0	0.1	0.1	0.0	27.0	1.2	0.0	1.1	65.0	0.0	0.0	0.0	365	0.0	2.4	0.2	0.2	0.0	1.1	0.0	0.0	0.5	0.1	0.5	0.5	6.0	0.1	5.0	126	60.0	31.0	21.1	0.1	1.0	27	0.0	
9/08/2011	43.0	0.2	0.1	0.0	26.0	1.0	0.0	1.3	42.0	0.0	0.0	0.0	350	0.0	3.7	0.2	0.2	0.0	1.2	0.0	0.0	0.5	0.1	0.5	0.5	6.5	0.1	5.0	164	57.0	30.0	20.9	0.1	1.0	35	0.0	
8/11/2011	49.0	0.3	0.0	0.0	30.0	1.0	0.0	1.6	50.0	0.0	0.0	0.0	311	0.0	4.9	0.2	0.4	0.0	1.4	0.0	0.0	0.5	0.0	0.5	0.5	6.4	0.1	6.0	111	45.0	39.0	21.1	0.1	1.2	26	0.0	
6/02/2012	43.0	0.2	0.0	0.0	26.0	1.0	0.0	1.3	42.0	0.0	0.0	0.0	311	0.0	1.8	0.1	0.2	0.0	1.1	0.0	0.0	0.5	0.0	0.5	0.5	6.1	0.1	5.0	138	71.0	38.0	21.7	0.1	0.1	36	0.0	
8/05/2012	43.0	0.6	0.0	0.0	26.0	1.8	0.0	1.3	42.0	0.0	0.0	0.0	325	0.0	4.9	0.1	48.0	0.0	1.1	0.1	0.0	0.5	0.0	0.5	0.5	7.5	0.1	5.0	102	62.0	30.0	21.9	0.1	0.8	30	0.0	
6/08/2012	43.0	0.2	0.0	0.0	26.0	2.1	0.0	1.4	40.0	0.0	0.0	0.0	339	0.0	4.3	0.1	0.4	0.0	1.0	0.1	0.0	0.5	0.0	0.5	0.5	6.0	0.1	5.0	84	46.0	29.0	20.8	0.1	0.7	34	0.0	
13/11/2012	42.0	0.3	0.0	0.0	26.0	1.0	0.0	1.2	42.0	0.0	0.0	0.0	324	0.0	2.6	0.2	0.4	0.0	1.0	0.0	0.0	0.5	0.0	0.5	0.5	6.3	0.1	5.0	88	54.0	27.0	21.3	0.1	0.2	36	0.0	
13/02/2013	46.0	0.5	0.0	0.0	28.0	1.0	0.0	1.3	44.0	0.0	0.0	0.0	353	0.0	1.5	0.1	0.6	0.0	1.0	0.0	0.0	0.4	0.0	0.4	0.4	6.1	0.1	5.0	78	59.0	31.0	23.3	0.1	0.2	27	0.0	
14/05/2013	41.0	0.1	0.0	0.0	25.0	1.0	0.0	1.0	40.0	0.0	0.0	0.0	321	0.0	3.5	0.1	0.3	0.0	0.6	0.0	0.0	0.5	0.0	0.5	0.4	6.3	0.1	5.0	28	56.0	30.0	22.0	0.1	0.4	46	0.0	
6/08/2013	44.0	0.1	0.0	0.0	27.0	1.0	0.0	1.0	42.0	0.0	0.0	0.0	331	0.0	3.6	0.2	0.3	0.0	0.6	0.0	0.0	0.5	0.0	0.5	0.5	6.3	0.1	5.0	43	61.0	34.0	20.9	0.1	0.4	57	0.0	
12/11/2013	43.0	0.3	0.0	0.0	26.0	1.0	0.0	1.2	44.0	0.0	0.0	0.0	325	0.0	3.9	0.2	0.5	0.0	0.8	0.0	0.0	0.5	0.0	0.5	0.5	6.6	0.1	5.0	68	65.0	34.0	21.2	0.1	0.3	17	0.1	
11/02/2014	44.0	0.2	0.1	0.0	27.0	1.0	0.0	1.0	43.0	0.0	0.0	0.0	309	0.0	1.3	0.1	0.2	0.0	0.7	0.0	0.0	0.5	0.0	0.5	0.7	6.5	0.1	5.0	48	61.0	33.0	21.8	0.2	0.5	105	0.0	
13/05/2014	42.0	0.2	0.0	0.0	26.0	1.0	0.0	0.9	45.0	0.0	0.0	0.0	326	0.0	2.3	0.2	0.3	0.0	0.6	0.0	0.0	0.6	0.0	0.6	0.6	6.2	0.1	5.0	18	59.0	30.0	22.2	0.1	0.4	35	0.0	
12/08/2014	43.0	0.1	0.0	0.0	26.0	1.8	0.0	1.1	43.0	0.0	0.0	0.0	316	0.0	5.8	0.2	0.1	0.0	0.7	0.0	0.0	0.4	0.0	0.4	0.4	7.0	0.1	5.0	26	63.0	32.0	21.2	0.1	0.2	42	0.0	
10/11/2014	44.0	0.1	0.0	0.0	27.0	1.0	0.0	1.0	45.0	0.0	0.0	0.0	314	0.0	3.8	0.2	0.1	0.0	0.8	0.0	0.0	0.4	0.0	0.4	0.4	6.8	0.1	5.0	38	64.0	35.0	21.7	0.1	0.2	76	0.0	
9/02/2015	46.0	0.1	0.0	0.0	28.0	1.0	0.0	1.0	44.0	0.0	0.0	0.0	321	0.0	2.1	0.2	0.2	0.0	0.8	0.0	0.0	0.4	0.0	0.4	0.4	6.6	0.1	5.0	31	59.0	34.0	23.6	0.1	0.2	39	0.0	
11/05/2015	43.0	0.1	0.0	0.0	26.0	1.0	0.0	1.1	41.0	0.0	0.0	0.0	315	0.0	3.1	0.2	0.2	0.0	0.9	0.0	0.0	0.4	0.0	0.4	0.4	6.4	0.1	5.0	47	61.0	30.0	22.3	0.1	0.9	42	0.0	
11/08/2015	44.0	0.0	0.0	0.0	44.0	1.0	0.0	1.1	40.0	0.0	0.0	0.0	304	0.0	7.5	0.2	0.1	0.0	0.8	0.0	0.0	0.5	0.0	0.5	0.5	6.7	0.1	5.0	64	61.0	29.0	21.1	0.1	0.6	21	0.0	
10/11/2015	44.0	0.1	0.0	0.0	44.0	1.0	0.0	1.0	44.0	0.0	0.0	0.0	252	0.0	4.8	0.2	0.1	0.0	0.8	0.0	0.0	0.5	0.0	0.5	0.4	6.5	0.1	5.0	-11	58.0	31.0	21.4	0.1	0.2	31	0.0	
8/02/2016	44.0	0.1	0.0	0.0	44.0	1.0	0.0	1.1	41.0	0.0	0.0	0.0	306	0.0	3.0	0.3	0.1	0.0	0.8	0.0	0.0	0.5	0.0	0.5	0.5	6.7	0.1	5.0	99	60.0	29.8	22.6	0.1	0.6	50	0.0	
9/05/2016	44.0	0.0	0.0	0.0	44.0	1.0	0.0	1.0	42.0	0.0	0.0	0.0	311	0.0	3.4	0.2	0.1	0.0	0.7	0.0	0.0	0.5	0.0	0.5	0.5	6.3	0.1	5.0	69	56.8	29.3	22.4	0.1	1.0	44	0.0	
9/08/2016	44.5		0.0		44.0	1.0		1.1	41.0				304		7.0	0.2			0.8			0.5	0.0	0.5	0.6	6.4	0.1	5.0	139	60.0	31.6	20.8	0.1	0.2	32		
7/11/2016	45.7		0.0		46.0	1.0		1.1	42.0				302		5.1	0.2			0.8			0.4	0.0	0.4	0.5	6.4	0.1	5.0	285	63.1	30.7	21.6	0.1	0.4	32		
7/02/2017	45.3		0.0		45.0	1.0		1.0	42.0				305		3.3	0.3			0.7			0.4	0.0	0.4	0.4	6.1	0.1	5.0	267	57.2	28.6	22.7	0.1	0.4	60		
8/05/2017	44.7	0.0	0.0	0.0	45.0	1.0	0.0	1.2	42.0	0.0	0.0	0.0	308	0.0	3.6	0.2	0.1	0.0	0.9	0.0	0.0	0.4	0.0	0.4	0.4	6.2	0.1	5.0	321	57.8	33.4	22.2	0.1	0.4	31	0.0	
8/08/2017	44.8		0.0		45.0	1.0		1.0	35.0				306		6.6	0.2			0.8			0.5	0.0	0.5	0.5	6.2	0.1	5.0	331	57.0	30.4	21.3	0.1	0.8	24		1.3
7/11/2017	45.4		0.0		45.0	1.0		1.1	41.5				312		5.1	0.2			0.8			0.5	0.0	0.5	0.7	5.9	0.1	5.0	355	59.2	31.4	21.3	0.2	0.6	24		1.5
13/02/2018	45.4		0.0		45.0	1.0		1.3	42.0				313		4.0	0.2			0.8			0.7	0.0	0.7	0.9	6.4	0.1	5.0	123	59.9	33.8	24.8	0.2	1.6	21		2.2
8/05/2018	47.2	0.4	0.0	0.0	47.0	1.5	0.0	1.0	1050	0.0	0.0	0.0	306	0.0	5.2	0.2	0.7	0.0	0.7	0.0	0.0	0.6	0.0	0.6	0.8	6.5	0.1	1.1	307	59.9	32.6	22.6	0.2	0.6	20	0.0	1.4
14/08/2018	44.7		0.0		45.0	3.3		1.2	45.0				303		7.8	0.1			0.8			0.7	0.0	0.7	1.0	6.7	0.2	1.2	293	63.4	35.2	20.1	0.3	2.6	12		2.0
13/11/2018	44.3		0.0		44.0	6.9		1.0	42.0				300		6.3	0.2			0.7			0.6	0.0	0.6	0.7	6.5	0.1	1.0	79	59.8	34.8	21.3	0.1	0.5	19		1.6
12/02/2019	44.4		0.0		44.0	1.0		1.1	41.0				308		4.9	0.2			0.8			0.6	0.0	0.6	0.7	6.4	0.1	1.2	360	62.7	37.0	24.2	0.1	0.8	16		2.6
14/05/2019	45.0	0.7	0.0	0.0	45.0	1.8	0.0	1.2	42.0	0.0	0.0	0.0	307	0.0	6.4	0.2	1.2	0.0	0.9	0.0	0.0	0.7	0.0	0.7	1.0	6.7	0.2	1.4	211	65.0	38.0	22.7	0.3	1.0	10	0.1	1.4
13/08/2019	43.0		0.0		43.0	1.5		1.2	38.0				304		7.9	0.2			0.8			0.6	0.0	0.6	0.9	6.7	0.2	1.1	307	61.0	36.0	20.7	0.3	4.1	13		1.6
12/11/2019	45.0		0.0		45.0	1.2		1.2	42.0				320		6.3	0.2			0.9			0.6	0.0	0.6	0.9	6.6	0.1	1.2	314	62.0	36.0	21.9	0.3	1.4	14		2.9
25/02/2020	43.0		0.0		43.0	1.0		1.0	42.0				311.0		4.6	0.1			0.8			0.4	0.0	0.4	0.5	6.2	0.1	1.0	165.9	57.0	33.0	24.7	0.1	0.7	29.0		0.8
12/05/2020	44.0	0.3	0.0	0.0	44.0	1.0	0.0	1.1	44.0	0.0	0.0	0.0	309.0	0.0	4.7	0.2	0.8	0.0	0.8	0.0	0.0	0.4	0.0	0.4	0.5	6.3	0.1	1.0	127.8	57.0	35.0	22.4	0.1	0.8	25.0	0.0	1.4
11/08/2020	45.0		0.0		45.0	1.0		1.1	40.0				299.0		7.9	0.2			0.8			0.5	0.0	0.5	0.6	6.5	0.1	1.1	258.1	59.0	33.0	20.9	0.1	0.6	11.0		0.8
10/11/2020	44.0		0.0</																																		

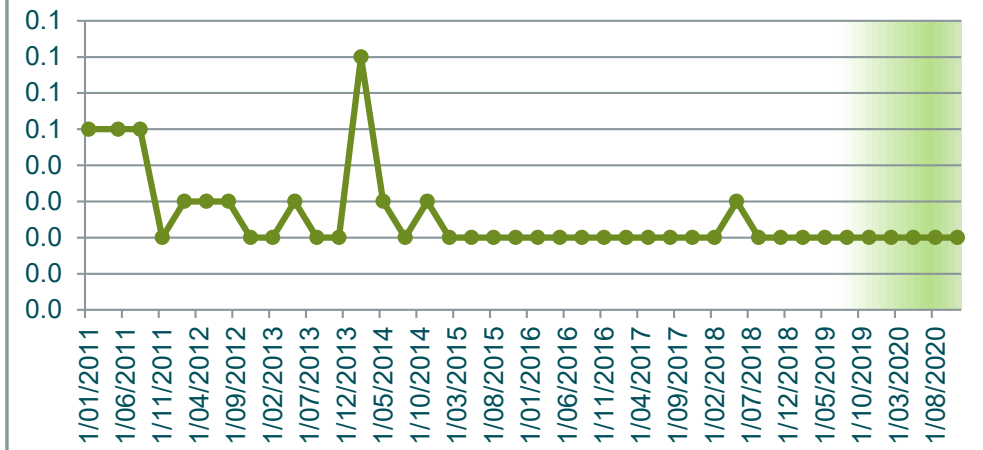
Alkalinity
mg/L as CaCO₃



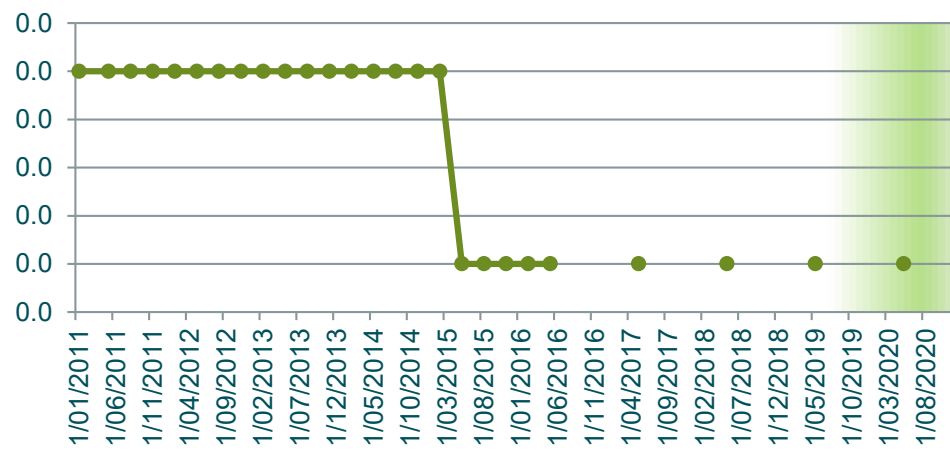
Aluminium (Total)
mg/L



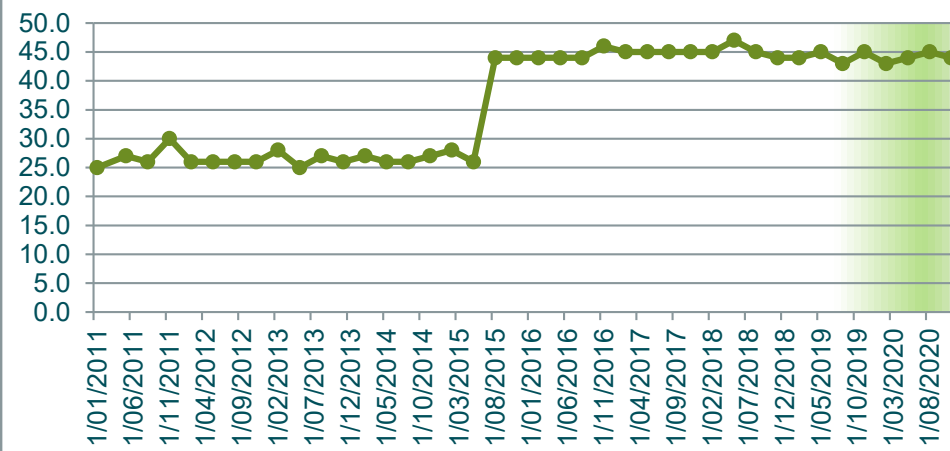
Ammonia
mg/L



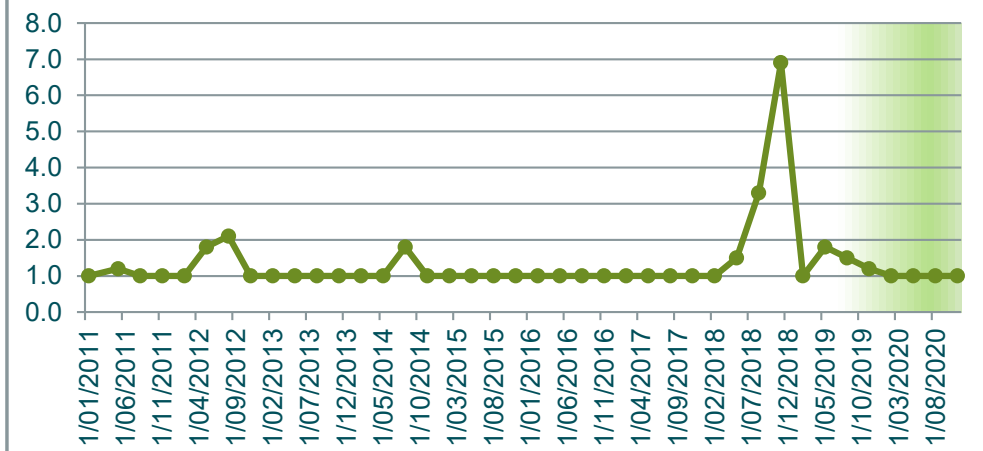
Arsenic (Total)
mg/L



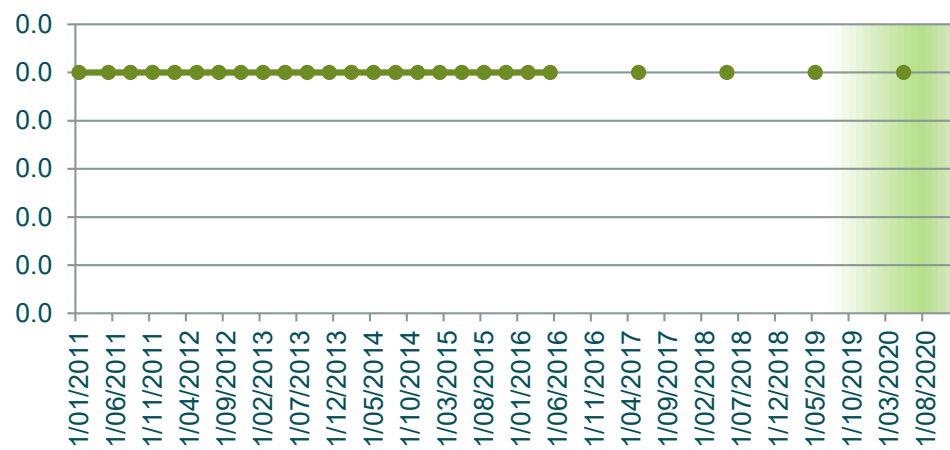
Bicarbonate HCO₃
mg/L



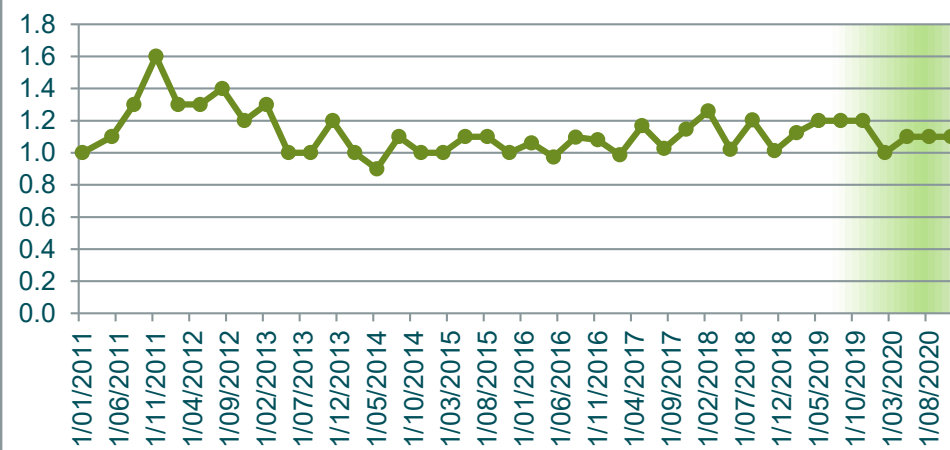
BOD₅
mg/L



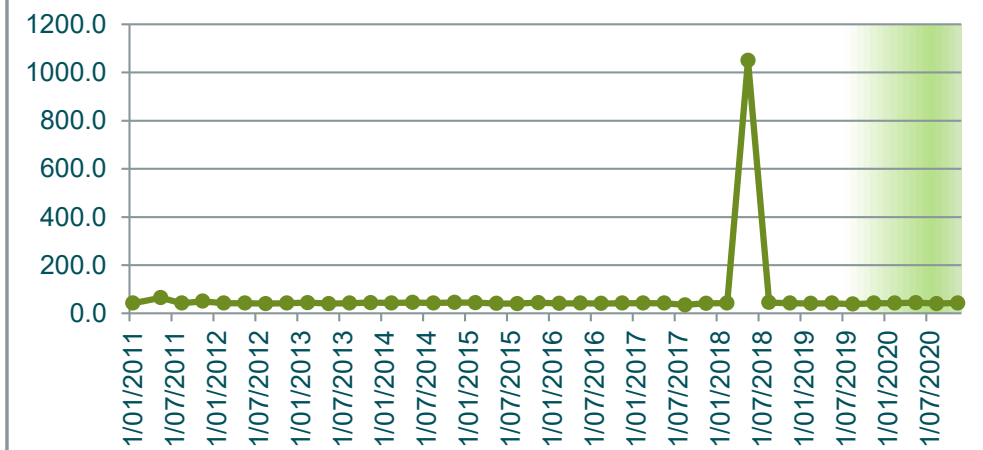
Cadmium (Total)
mg/L



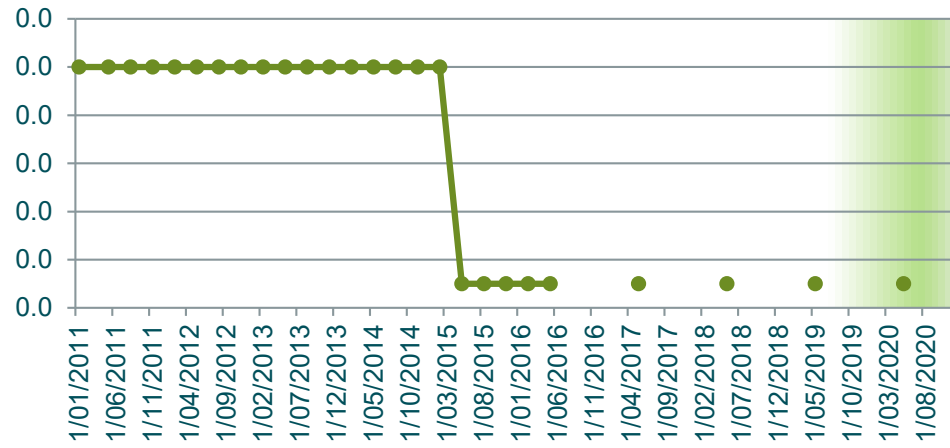
Calcium (Total)
mg/L



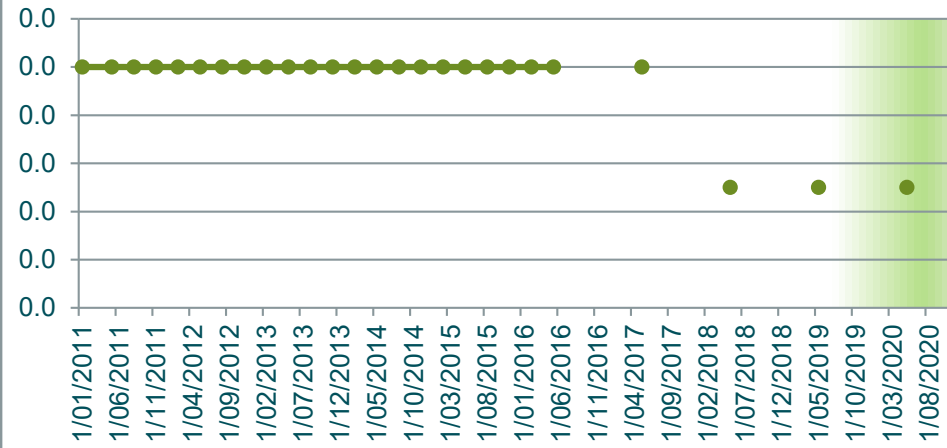
Chloride
mg/L



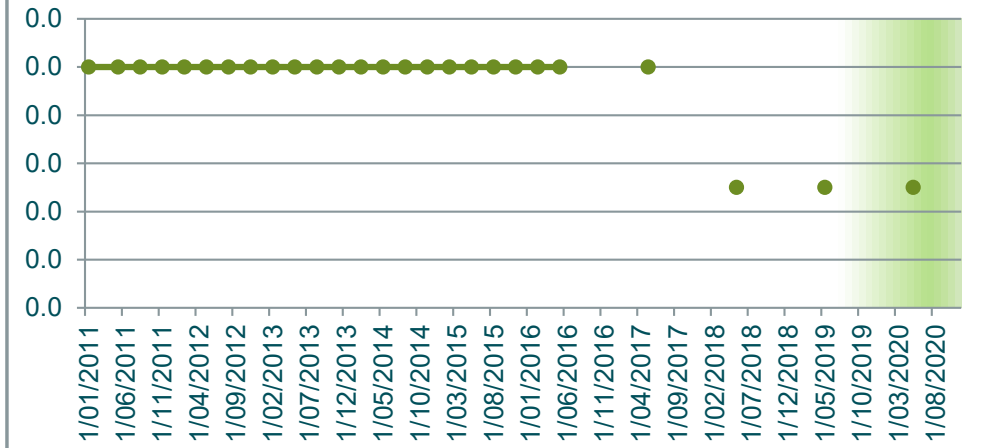
Chromium (Total) mg/L



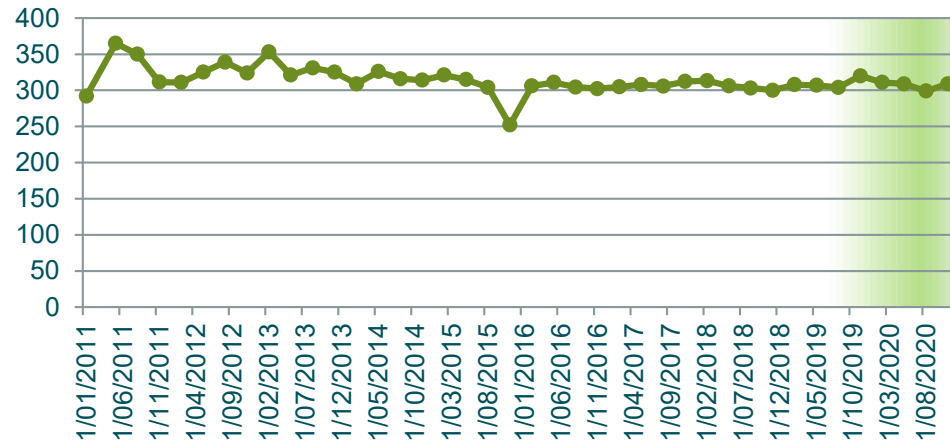
Chromium 3 mg/L



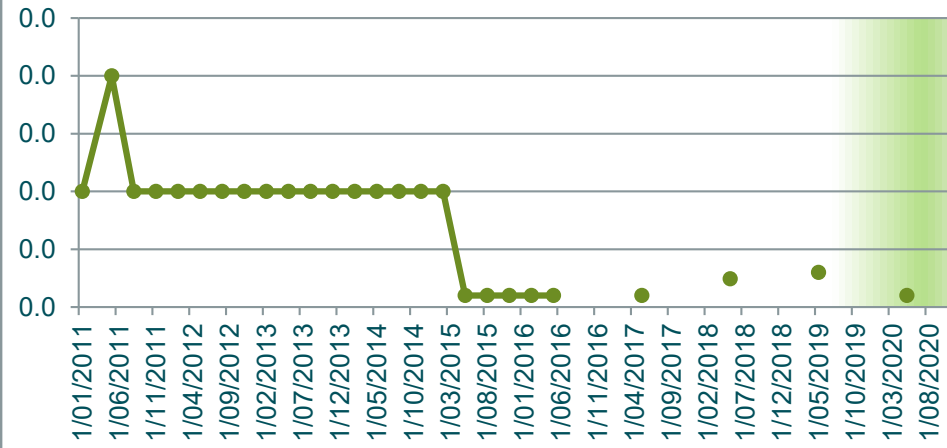
Chromium 6 mg/L



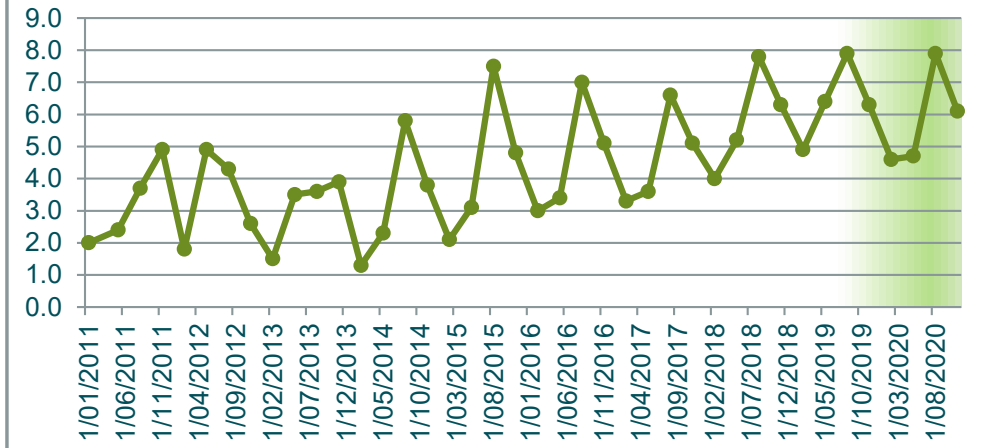
Conductivity µScm-1



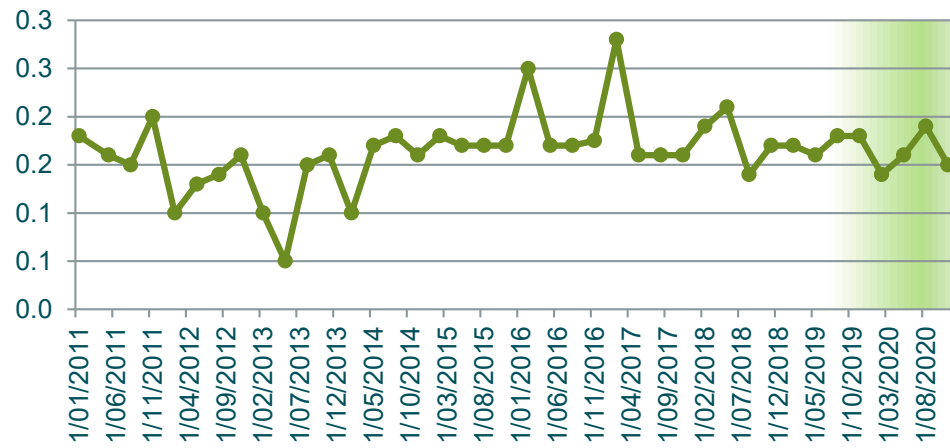
Copper (Total) mg/L



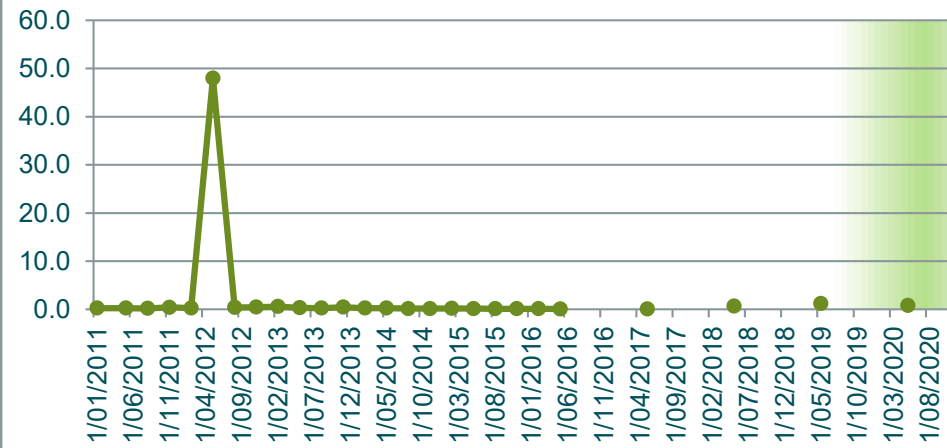
DO (Membrane Electrode) mg/L



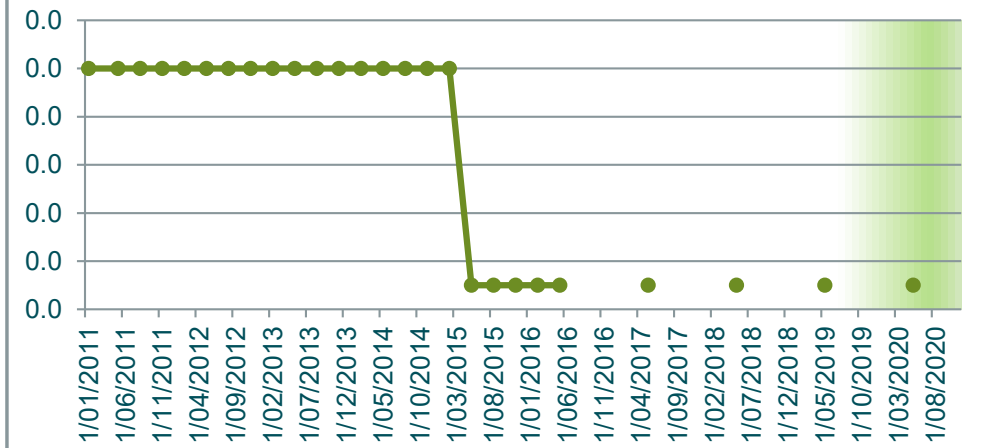
Flouride mg/L



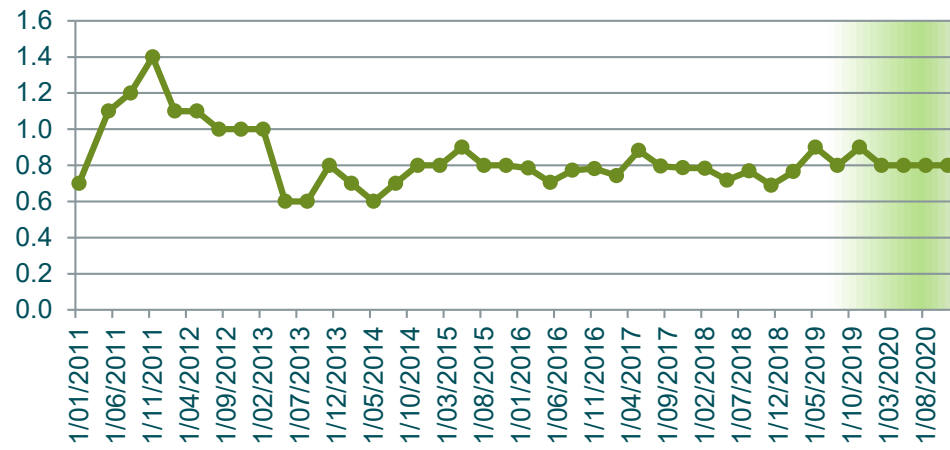
Iron Total mg/L



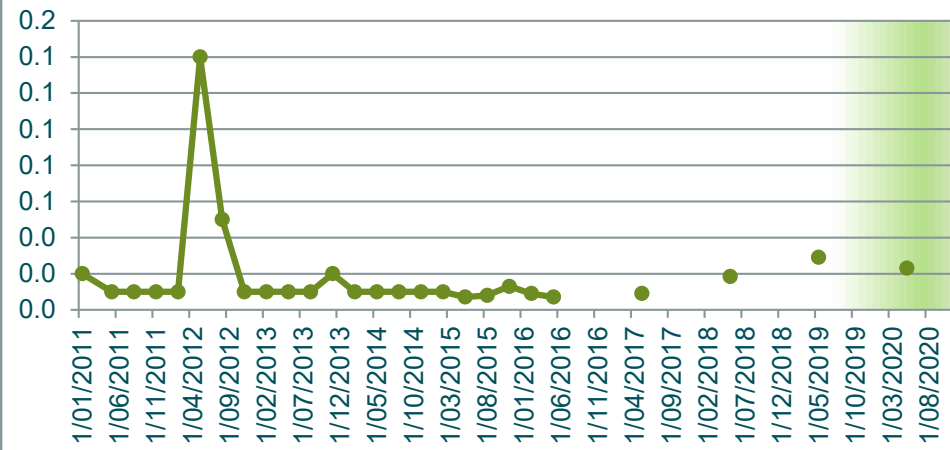
Lead (Total) mg/L



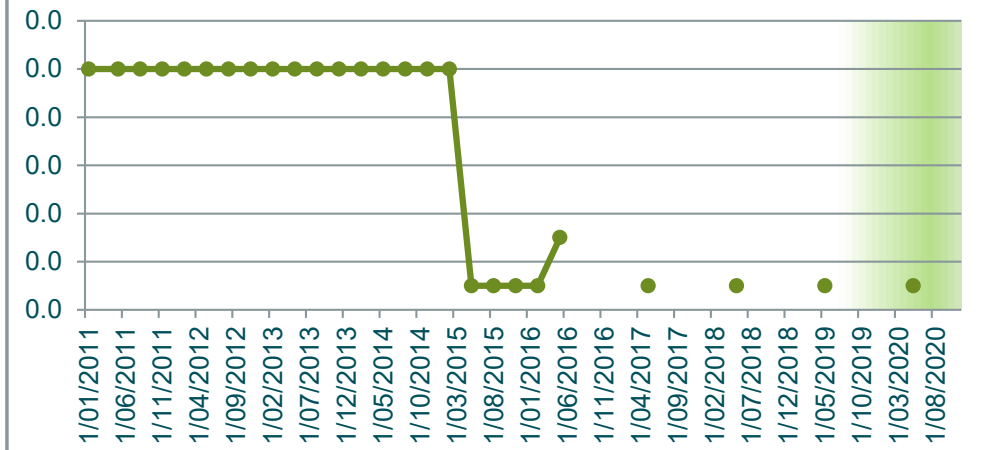
Magnesium (Total) mg/L



Manganese Total mg/L



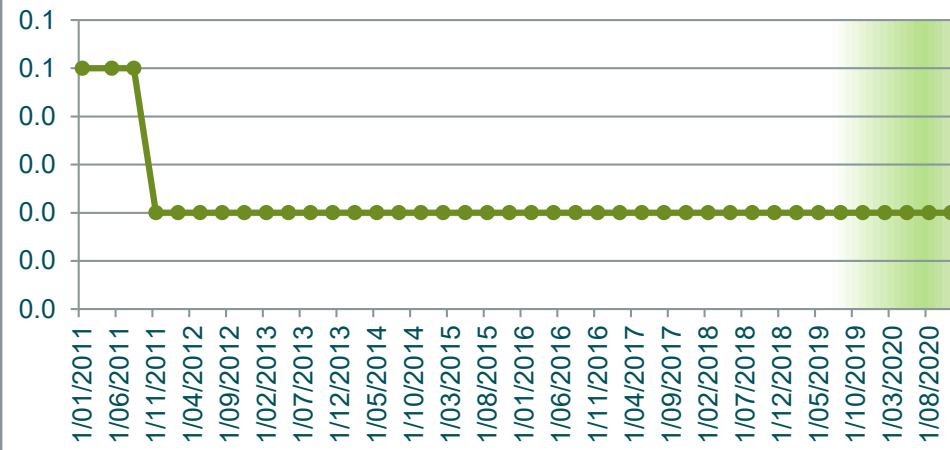
Nickel (Total) mg/L



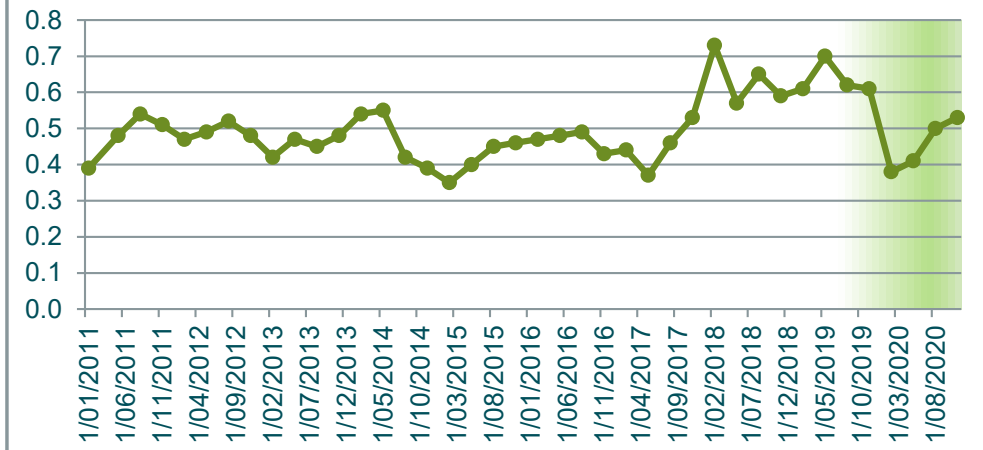
Nitrate N mg/L



Nitrite N mg/L



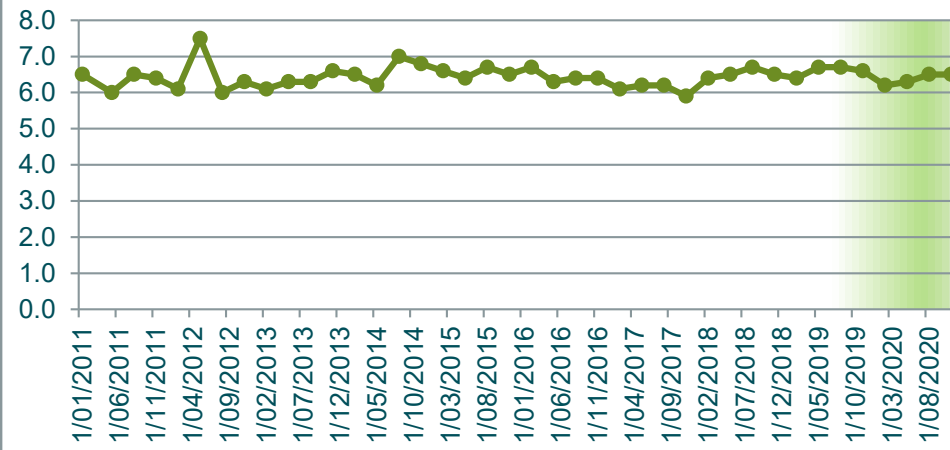
Nitrogen Oxidised mg/L



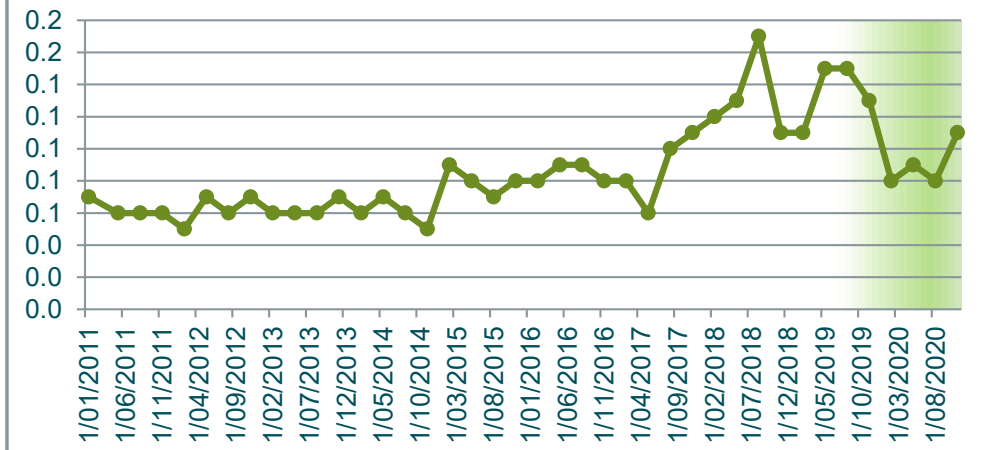
Nitrogen Total mg/L



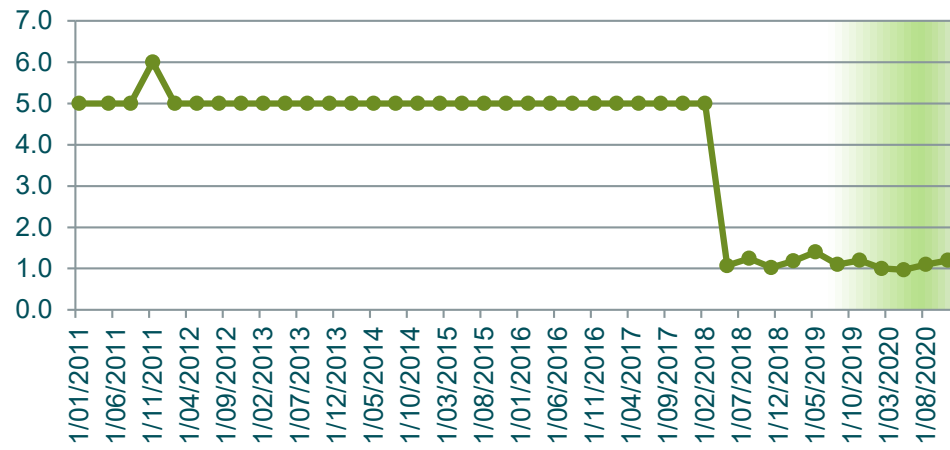
pH pH units



Phosphorus Total mg/L



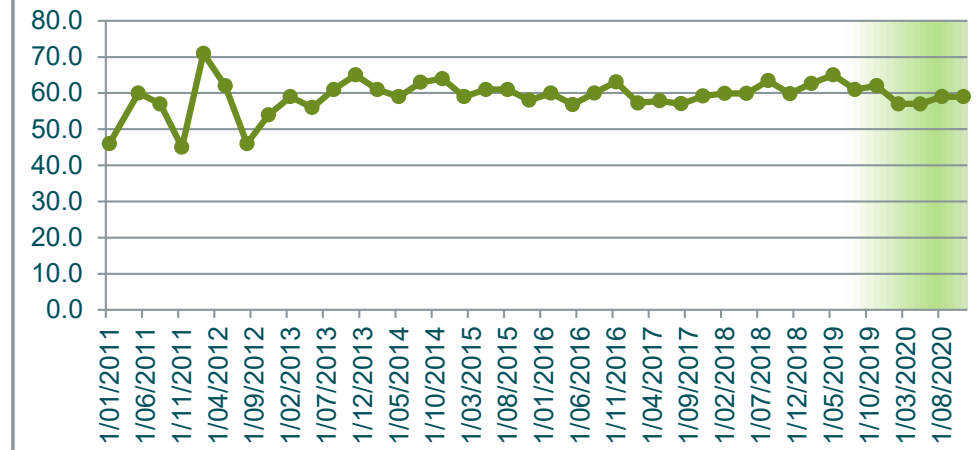
**Potassium Total
mg/L**



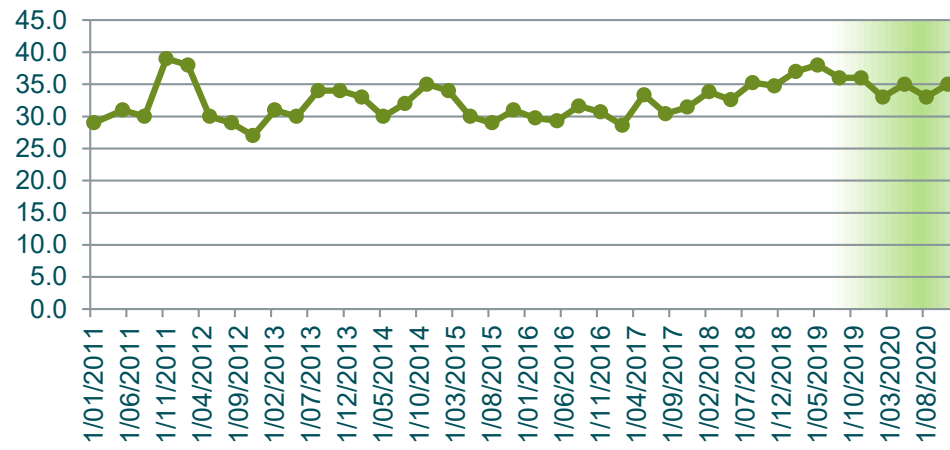
**Redox Potential
mV**



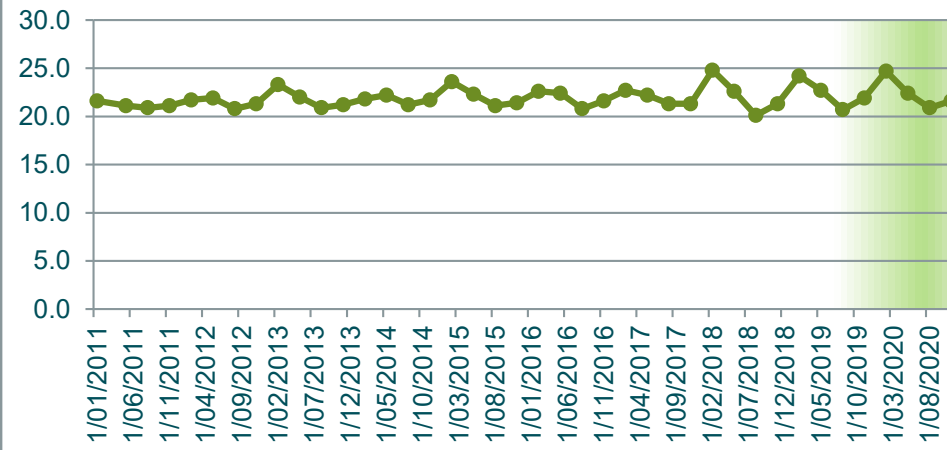
**Sodium (Total)
mg/L**



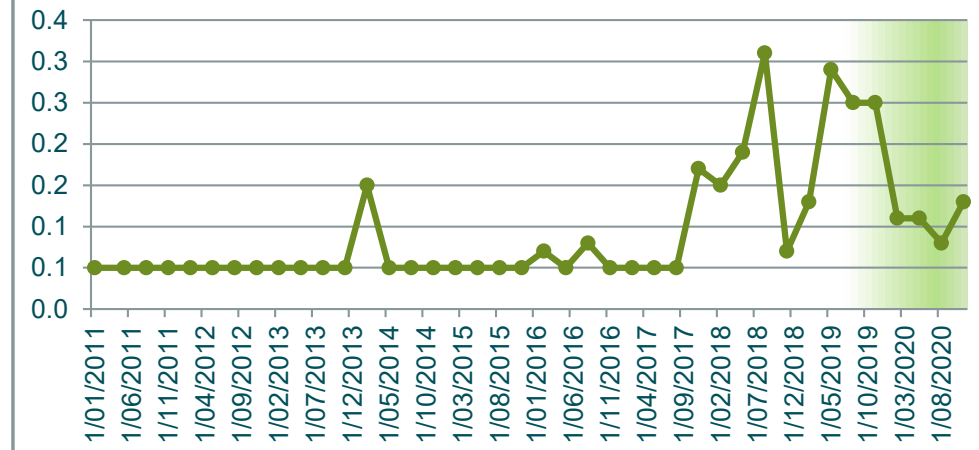
**Sulphate
mg/L**



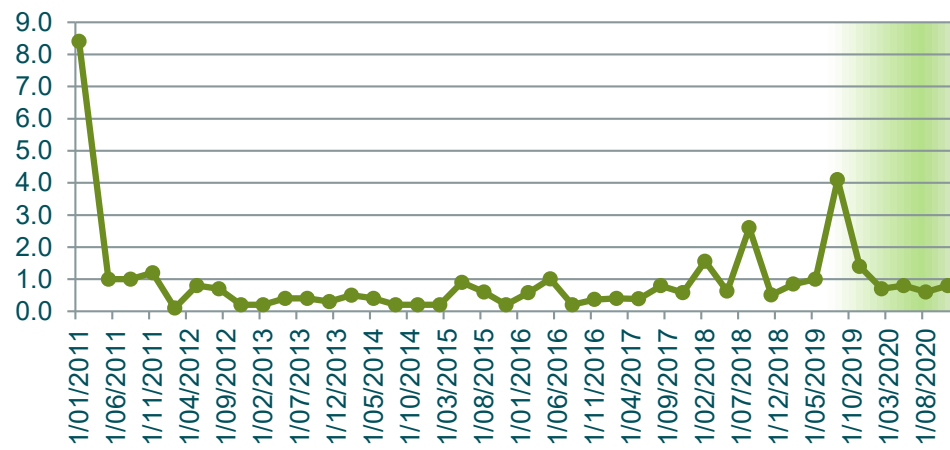
**Temperature
C**



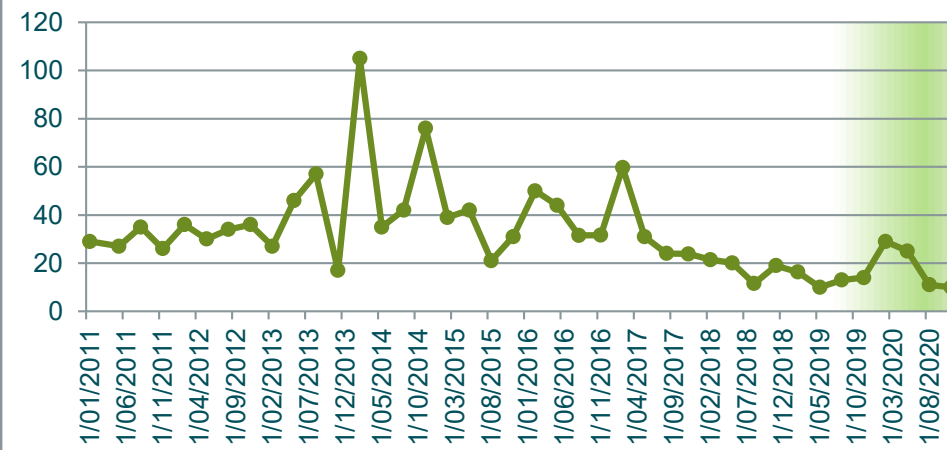
**TKN
mg/L**



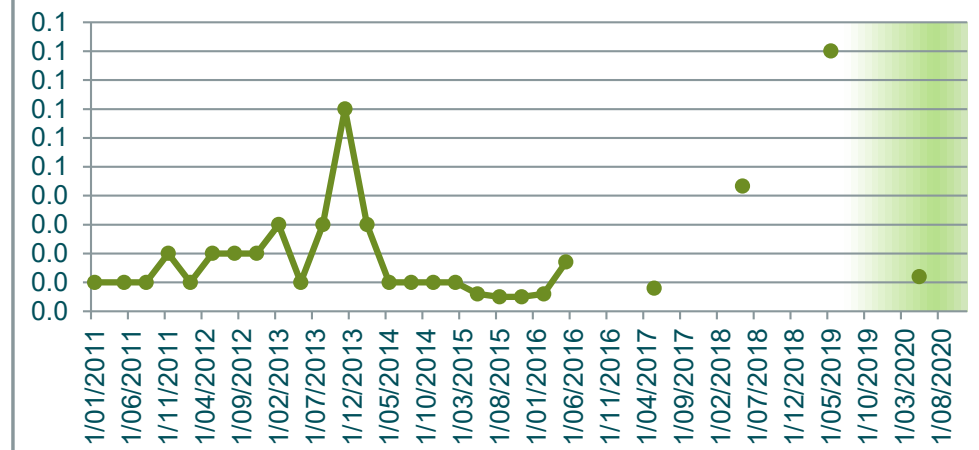
**TOC
mg/L**



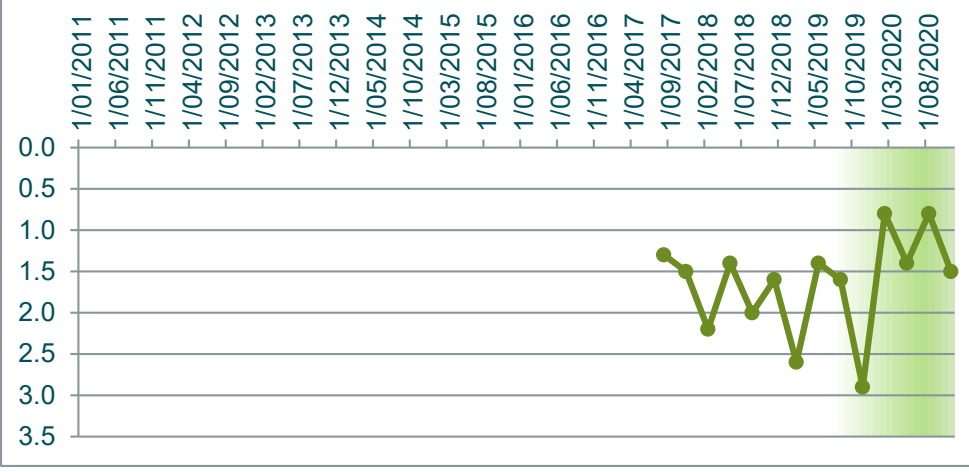
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**



Depth to Groundwater m

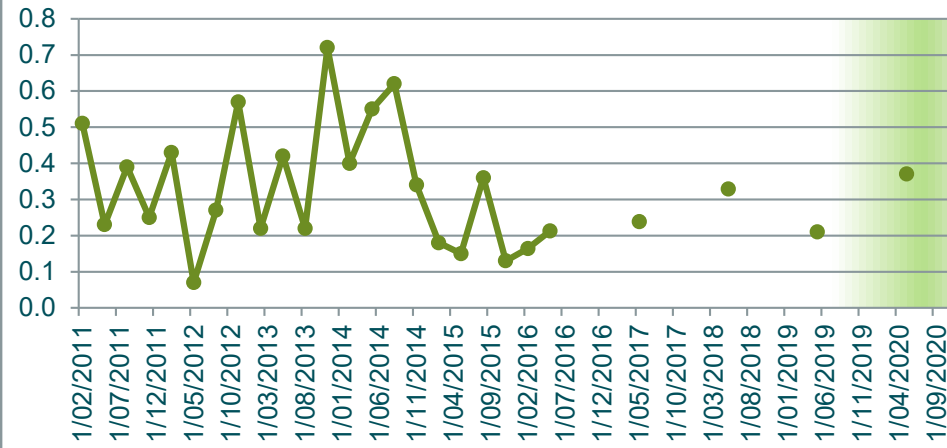


GW20	Alkalinity mg/L as CaCO3	Aluminum (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m
1/02/2011	316	0.5	0.4	0.0	193	2.4	0.0	86	100	0.0	0.0	0.0	1045	0.0	2.4	0.1	1.0	0.0	13.0	0.6	0.0	0.1	0.1	0.1	0.6	7.6	0.1	5.0	-95	74	91	21.8	0.6	6.8	89.0	0.0	
11/05/2011	335	0.2	0.4	0.0	204	2.2	0.0	103	100	0.0	0.0	0.0	1201	0.0	2.6	0.1	0.9	0.0	18.0	0.7	0.0	0.1	0.1	0.1	0.7	7.2	0.1	10.0	52	99	102	20.2	0.7	3.6	23.0	0.0	
10/08/2011	330	0.4	0.5	0.0	200	4.5	0.0	94	125	0.0	0.0	0.0	1123	0.0	2.6	0.1	1.0	0.0	17.0	0.6	0.0	0.1	0.1	0.1	0.9	7.2	0.1	6.0	48	110	92	20.4	0.9	8.1	22.0	0.0	
9/11/2011	402	0.3	0.1	0.0	245	1.0	0.0	152	101	0.0	0.0	0.0	1092	0.0	0.9	0.2	1.1	0.0	18.0	1.1	0.0	0.0	0.0	0.2	7.0	0.0	34.0	-10	154	102	21.6	0.1	5.9	42.0	0.0		
7/02/2012	384	0.4	0.1	0.0	234	1.0	0.0	95	70	0.0	0.0	0.0	1038	0.0	1.6	0.2	1.1	0.0	14.0	0.9	0.0	0.0	0.0	0.1	0.1	7.0	0.0	5.0	59	147	75	22.4	0.1	4.7	45.0	0.0	
9/05/2012	431	0.1	0.1	0.0	263	1.0	0.0	79	60	0.0	0.0	0.0	1040	0.0	3.2	0.2	0.8	0.0	12.0	0.9	0.0	0.0	0.0	0.1	0.1	6.8	0.0	5.0	227	100	48	21.0	0.1	1.9	34.0	0.0	
7/08/2012	414	0.3	0.1	0.0	252	2.4	0.0	76	62	0.0	0.0	0.0	981	0.0	2.3	0.3	1.1	0.0	11.0	0.9	0.0	0.0	0.0	0.2	7.0	0.0	5.0	-83	95	36	20.1	0.2	4.6	38.0	0.1		
14/11/2012	402	0.6	0.1	0.0	245	1.2	0.0	79	64	0.0	0.0	0.0	934	0.0	3.2	0.2	1.5	0.0	13.0	0.8	0.0	0.0	0.0	0.3	7.1	0.0	5.0	-109	95	24	20.9	0.3	3.7	33.0	0.1		
14/02/2013	388	0.2	0.1	0.0	237	1.0	0.0	84	60	0.0	0.0	0.0	919	0.0	3.3	0.2	1.4	0.0	12.0	0.9	0.0	0.0	0.0	0.2	7.0	0.0	5.0	-60	107	22	20.7	0.1	3.4	28.0	0.0		
15/05/2013	381	0.4	0.1	0.0	232	2.4	0.0	79	63	0.0	0.0	0.0	902	0.0	2.6	0.3	1.7	0.0	11.0	0.9	0.0	0.1	0.0	0.1	0.6	6.9	0.1	5.0	-81	96	17	20.5	0.5	3.6	66.0	0.1	
7/08/2013	400	0.2	0.1	0.0	244	1.0	0.0	86	62	0.0	0.0	0.0	884	0.0	3.1	0.3	1.4	0.0	12.0	1.0	0.0	0.1	0.0	0.1	0.3	7.1	0.0	5.0	-89	102	18	20.1	0.3	3.2	70.0	0.1	
13/11/2013	390	0.7	0.1	0.0	238	2.1	0.0	88	62	0.0	0.0	0.0	924	0.0	2.9	0.4	2.2	0.0	13.0	1.1	0.0	0.0	0.0	0.4	7.5	0.1	5.0	-72	108	14	21.0	0.3	3.2	34.0	0.1		
12/02/2014	374	0.4	0.1	0.0	228	2.1	0.0	78	66	0.0	0.0	0.0	825	0.0	3.2	0.4	1.7	0.0	11.0	1.0	0.0	0.1	0.0	0.1	0.5	7.0	0.0	5.0	-73	92	13	21.1	0.5	3.0	85.0	0.1	
14/05/2014	345	0.6	0.3	0.0	210	4.2	0.0	76	67	0.0	0.0	0.0	882	0.0	2.6	0.4	2.1	0.0	11.0	0.9	0.0	0.1	0.0	0.1	0.7	7.0	0.1	5.0	-48	87	13	20.1	0.5	3.0	40.0	0.1	
13/08/2014	355	0.6	0.2	0.0	217	1.8	0.0	89	75	0.0	0.0	0.0	899	0.0	3.3	0.4	1.8	0.0	13.0	1.0	0.0	0.1	0.0	0.1	0.5	7.2	0.1	5.0	-34	97	14	20.0	0.4	2.7	75.0	0.1	
11/11/2014	355	0.3	0.1	0.0	217	1.8	0.0	87	81	0.0	0.0	0.0	887	0.0	3.1	0.4	1.7	0.0	13.0	0.9	0.0	0.0	0.0	0.4	7.2	0.1	5.0	-68	92	12	20.8	0.3	2.2	44.0	0.0		
10/02/2015	340	0.2	0.1	0.0	207	1.0	0.0	74	72	0.0	0.0	0.0	886	0.0	1.3	0.4	1.5	0.0	11.0	1.0	0.0	0.1	0.0	0.1	0.3	7.1	0.0	5.0	-38	78	9	21.7	0.2	2.1	49.0	0.0	
12/05/2015	422	0.2	0.0	0.0	257	1.0	0.0	92	77	0.0	0.0	0.0	869	0.0	1.2	0.4	1.3	0.0	13.0	0.9	0.0	0.0	0.0	0.1	6.8	0.0	5.0	-20	85	11	20.6	0.1	1.7	50.0	0.0		
12/08/2015	346	0.4	0.0	0.0	346	1.0	0.0	92	74	0.0	0.0	0.0	875	0.0	1.9	0.5	1.6	0.0	13.0	0.9	0.0	0.0	0.0	0.1	7.1	0.1	5.0	-28	80	10	20.4	0.1	1.9	40.0	0.1		
11/11/2015	309	0.1	0.1	0.0	319	1.0	0.0	82	73	0.0	0.0	0.0	838	0.0	1.8	0.5	0.9	0.0	12.0	0.7	0.0	0.0	0.0	0.2	7.1	0.0	5.0	4	75	10	21.4	0.2	1.5	42.0	0.0		
9/02/2016	352	0.2	0.0	0.0	352	1.0	0.0	88	78	0.0	0.0	0.0	869	0.0	1.1	0.4	1.3	0.0	12.4	0.9	0.0	0.0	0.0	0.1	7.1	0.0	5.0	-43	79	10	21.4	0.1	1.5	55.0	0.0		
10/05/2016	195	0.2	0.1	0.0	195	1.0	0.0	52	38	0.0	0.0	0.0	521	0.0	2.3	0.3	0.8	0.0	6.9	0.5	0.0	0.1	0.0	0.1	0.3	7.2	0.1	5.0	34	44	6	20.7	0.2	1.0	22.0	0.0	
10/08/2016	312		0.1		312	2.7		77	65				791		1.9	0.4			11.2			0.0	0.0	0.3	7.0	0.1	5.0	-40	71	11	20.7	0.2	1.3	40.4			
8/11/2016	332		0.1		332	1.0		88	76				844		1.7	0.4			12.3			0.1	0.0	0.1	0.3	7.1	0.0	5.0	40	80	13	21.7	0.2	2.2	49.0		
8/02/2017	348		0.1		348	1.0		86	75				883		1.3	0.4			12.5			0.0	0.0	0.0	0.2	7.0	0.0	5.0	83	78	11	23.0	0.2	2.1	68.1		
9/05/2017	331	0.2	0.0	0.0	331	1.0	0.0	90	85	0.0	0.0	0.0	862	0.0	1.0	0.4	1.4	0.0	13.0	0.7	0.0	0.0	0.0	0.1	7.0	0.0	5.0	-20	77	14	20.4	0.1	1.6	52.7	0.0		
9/08/2017	340		0.2		340	2.1		86	90				867		0.8	0.5			12.4			0.0	0.0	0.0	0.3	6.9	0.0	5.0	-27	76	5	20.3	0.3	2.3	48.6		15.0
8/11/2017	352		0.0		352	1.0		91	72				884		1.2	0.5			13.0			0.0	0.0	0.0	0.1	6.8	0.0	5.0	-27	76	6	20.1	0.1	1.6	53.5		16.0
14/02/2018	346		0.1		346	1.0		85	70				868		3.2	0.5			12.4			0.0	0.0	0.0	0.2	7.2	0.0	5.0	-63	75	5	25.2	0.2	2.2	18.4		16.2
9/05/2018	349	0.3	0.2	0.0	349	1.5	0.0	85	71	0.0	0.0	0.0	856	0.0	3.1	0.5	1.5	0.0	12.3	0.9	0.0	0.0	0.0	0.5	7.2	0.1	2.2	-67	77	4	20.6	0.5	2.1	25.1	0.0	15.3	
15/08/2018	347		0.1		347	3.6		93	63				854		3.2	0.5			13.0			0.1	0.0	0.1	0.5	7.2	0.1	2.3	-22	82	5	20.5	0.4	0.2	20.2		15.9
14/11/2018	361		0.1		361	1.5		88	63				833		3.3	0.6			12.4			0.0	0.0	0.0	0.3	7.3	0.1	2.0	-38	75	5	21.3	0.3	2.1	32.4		16.6
13/02/2019	343		0.1		343	1.2		94	74				856		2.7	0.5			12.8			0.0	0.0	0.0	0.3	7.1	0.1	2.1	-80	78	5	21.7	0.3	2.6	27.1		15.7
15/05/2019	342	0.2	0.1	0.0	342	1.8	0.0	92	67	0.0	0.0	0.0	834	0.0	2.9	0.5	2.1	0.0	13.0	0.7	0.0	0.0	0.0	0.2	7.2	0.1	2.0	-77	80	4	20.5	0.2	1.8	27.0	0.0	16.0	
14/08/2019	338		0.1		338	1.8		90	60				817		3.0	0.6			12.0			0.0	0.0	0.0	0.3	7.2	0.1	2.1	48	74	5	19.9	0.2	2.2	22.0		16.0
13/11/2019	351		0.1		351	2.7		88	55				836		3.0	0.6			12.0			0.0	0.0	0.0	0.4	7.1	0.1	2.0	-42	76	4	20.7	0.3	2.5	27.0		16.0
26/02/2020	338.0		0.1		338.0	1.5		81.0	58.0				800.0		3.0	0.5			11.0			0.0	0.0	0.0	0.3	7.2	0.1	1.8	-74.6	68.0	3.0	21.1	0.3	1.9	25.0		16.0
13/05/2020	339.0	0.4	0.1	0.0	339.0	2.4	0.0	81.0	50.0	0.0	0.0	0.0	797.0	0.0	2.9	0.6	2.3	0.0	11.0	0.7	0.0	0.0	0.0	0.3	7.1	0.0	1.8	-65.1	67.0	3.7	20.4	0.2	1.9	28.0	0.0	15.2	
12/08/2020	331.0		0.0		331.0	2.7		85.0	50.0				760.0		3.0	0.6			12.0			0.0	0.0	0.0	0.2	7.1	0.0	1.8	-57.1	67.0	5.2	20.1	0.1	1.7	25.0		15.4
11/11/2020	325.0		0.1		325.0	3.0		79.0	51.0				769.0		3.2	0.6			11.0			0.0	0.0	0.0	0.2	7.1	0.1	1.8	-65.3	65.0	6.3	21.0	0.2	2.5	20.0		15.8
2020 Min	325.0	0.4	0.0	0.0	325.0																																

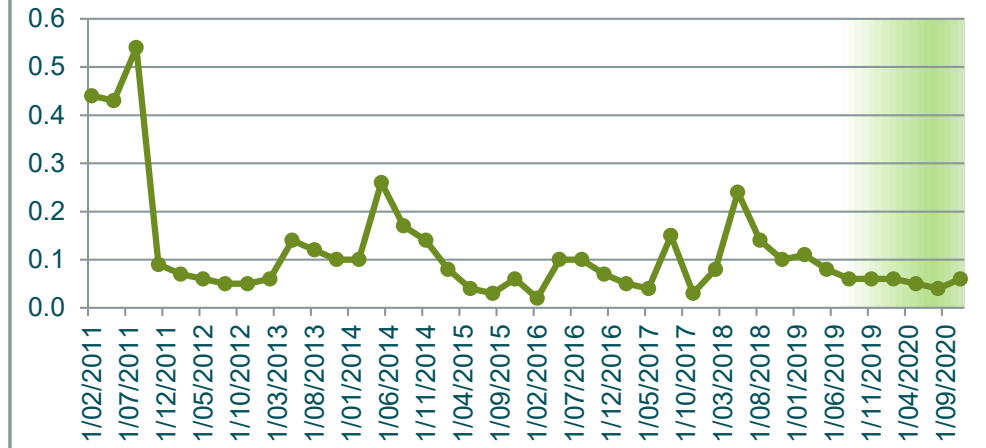
**Alkalinity
mg/L as CaCO3**



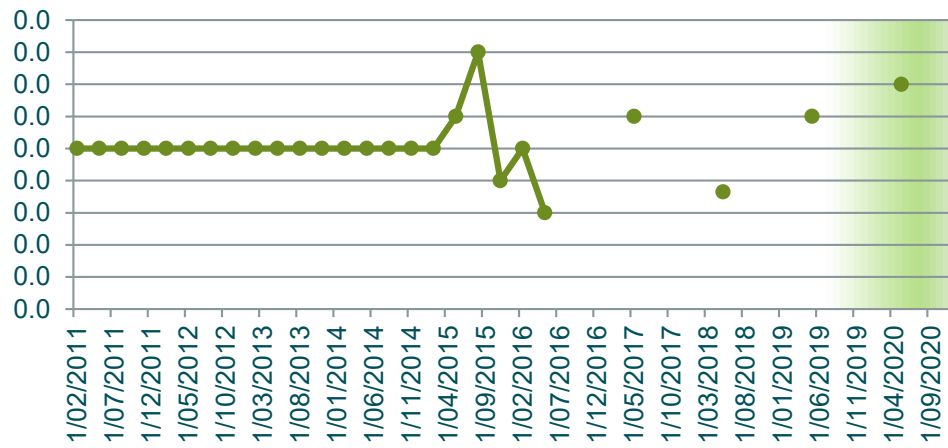
**Aluminium (Total)
mg/L**



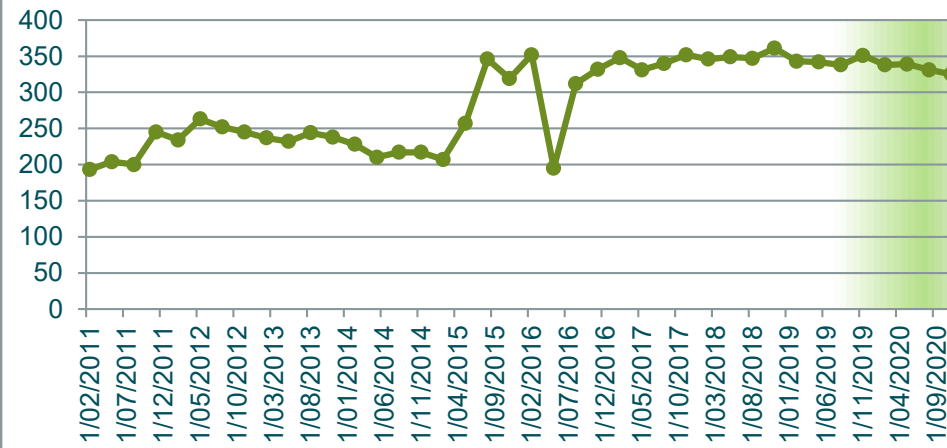
**Ammonia
mg/L**



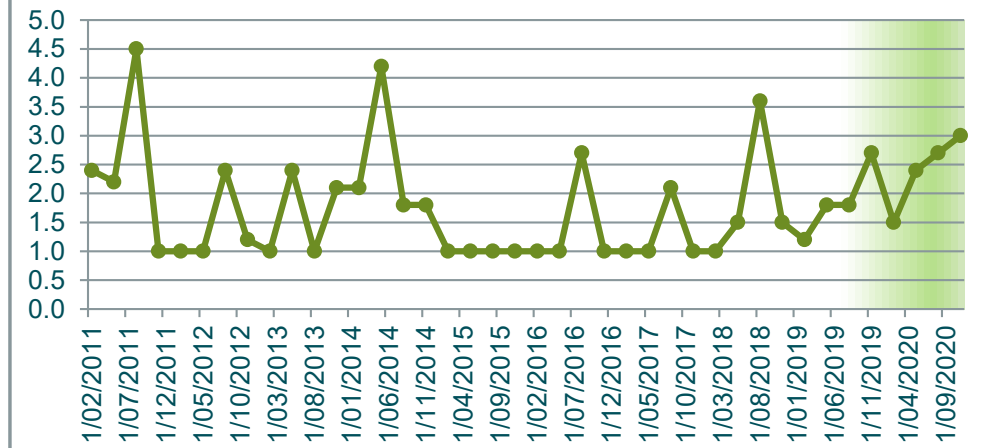
**Arsenic (Total)
mg/L**



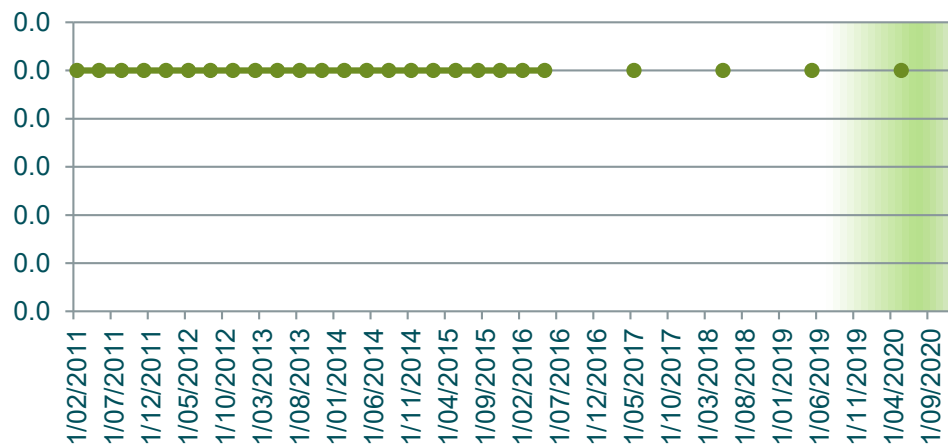
**Bicarbonate HCO3
mg/L**



**BOD5
mg/L**



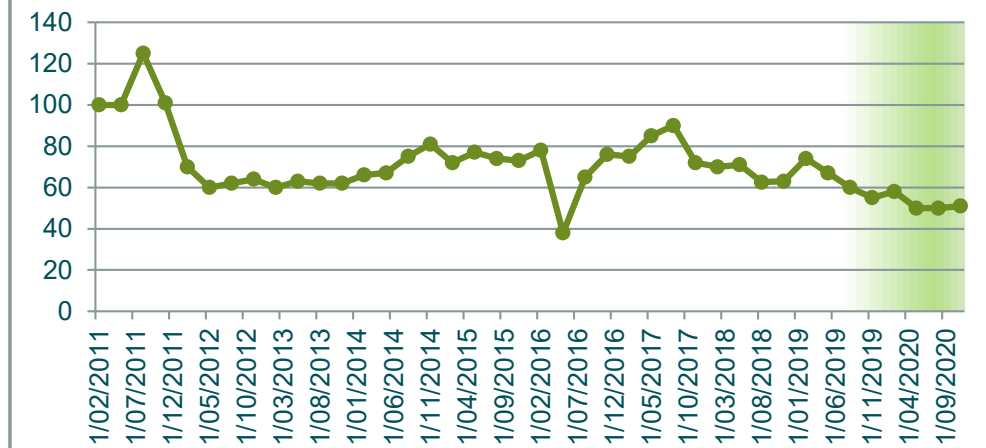
**Cadmium (Total)
mg/L**



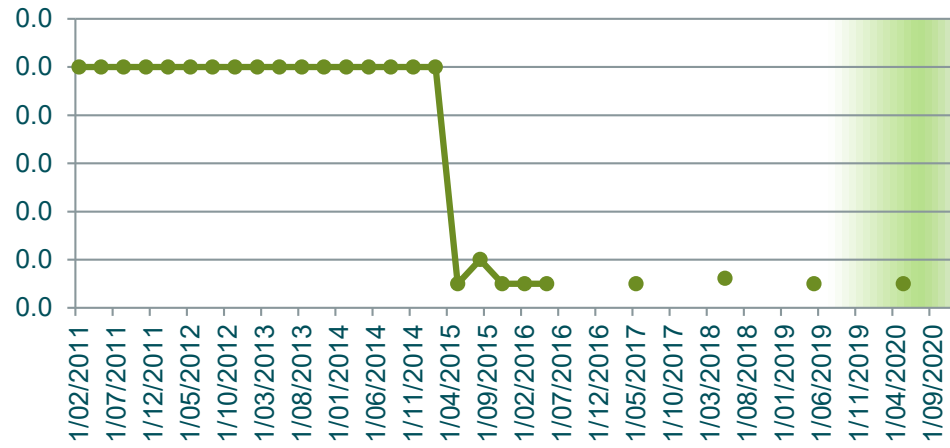
**Calcium (Total)
mg/L**



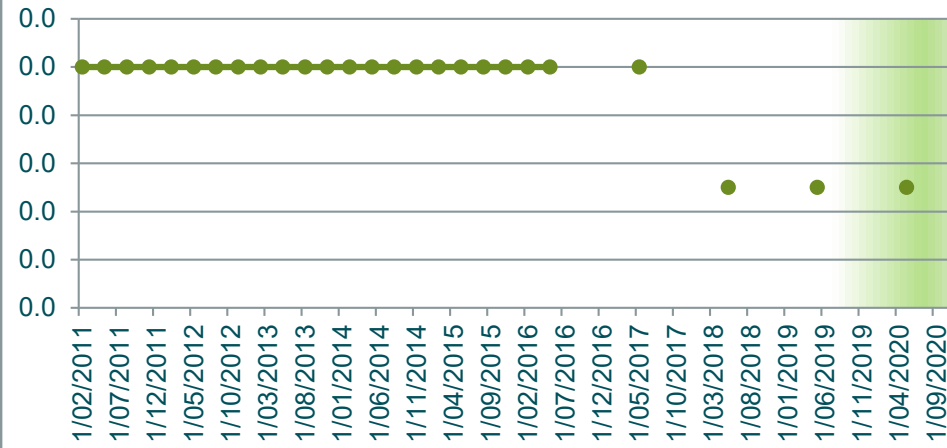
**Chloride
mg/L**



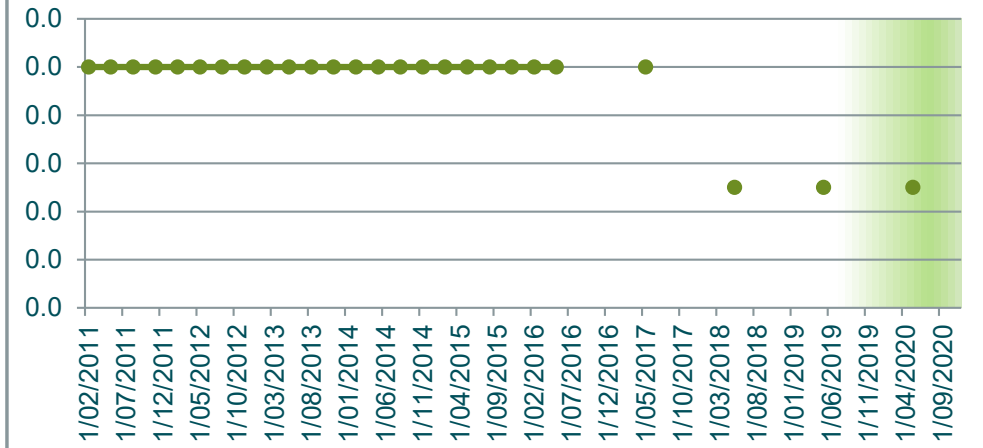
Chromium (Total) mg/L



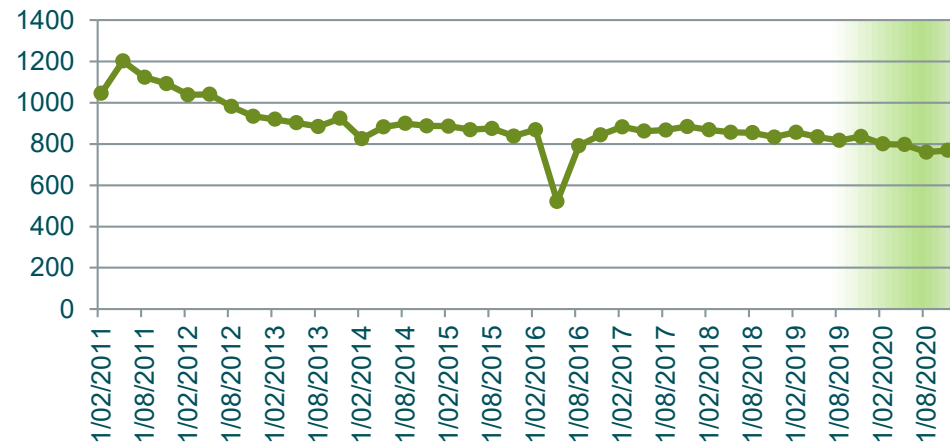
Chromium 3 mg/L



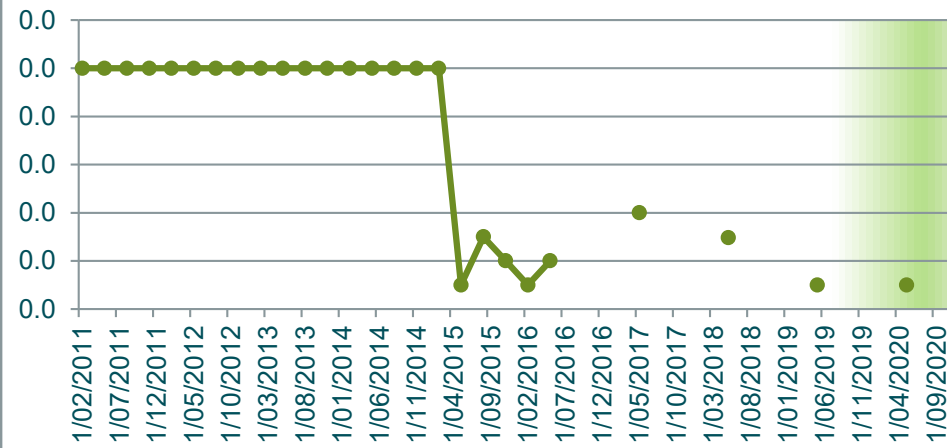
Chromium 6 mg/L



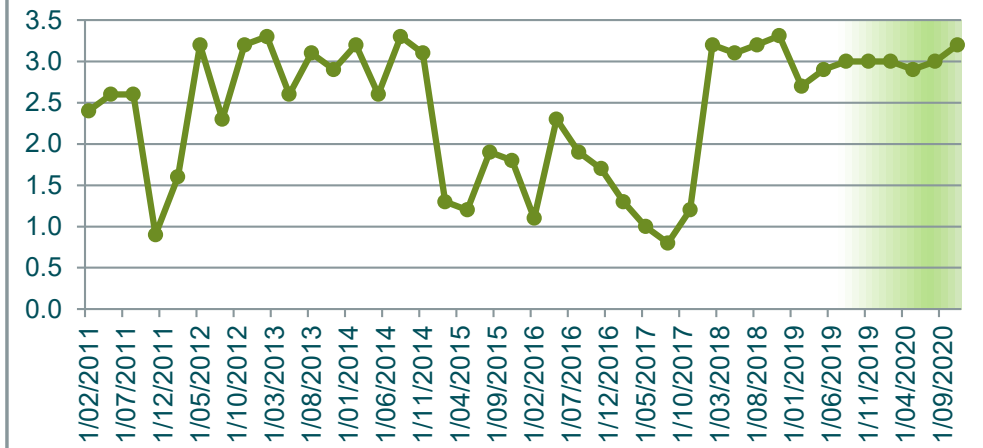
Conductivity µScm-1



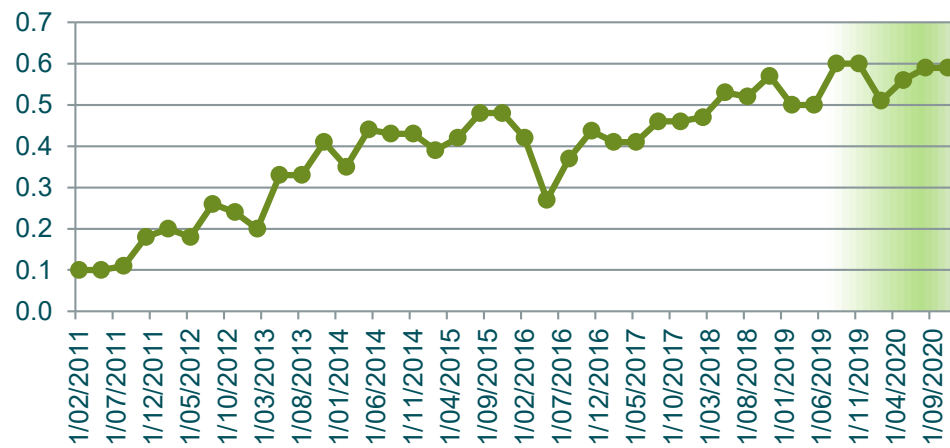
Copper (Total) mg/L



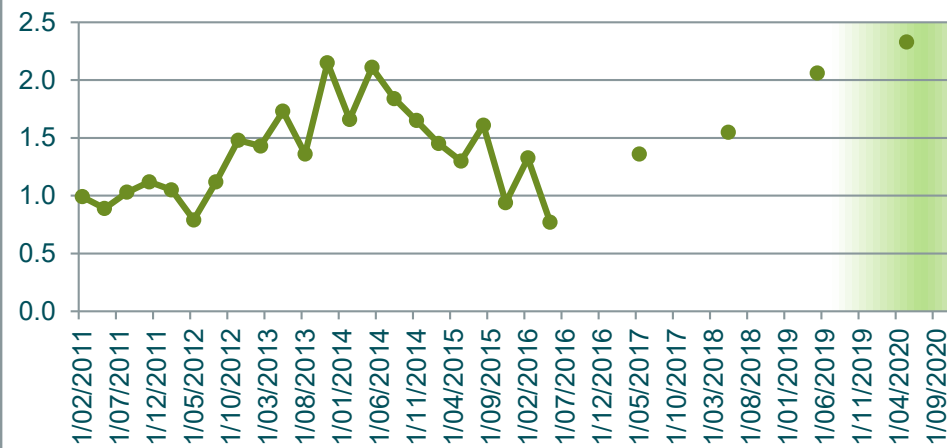
DO (Membrane Electrode) mg/L



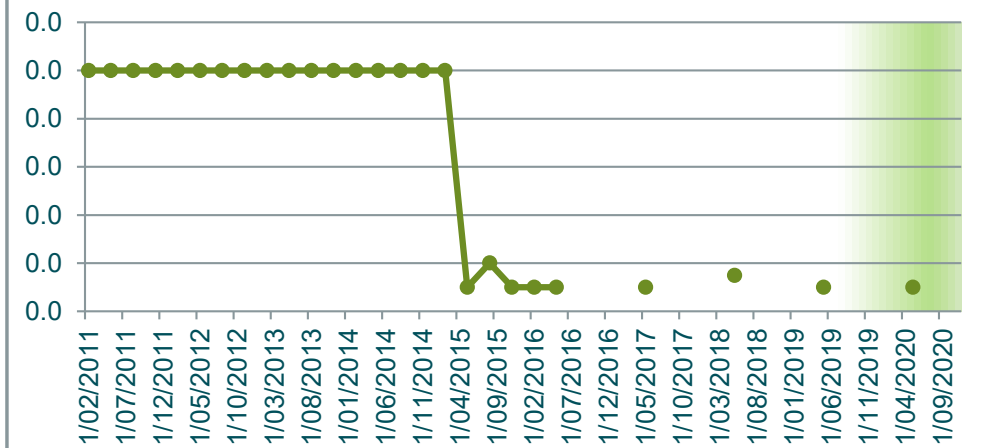
Flouride mg/L



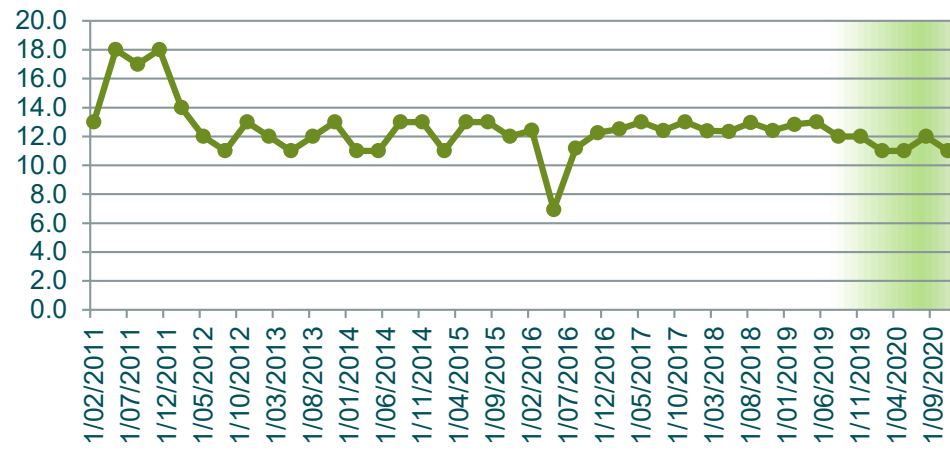
Iron Total mg/L



Lead (Total) mg/L



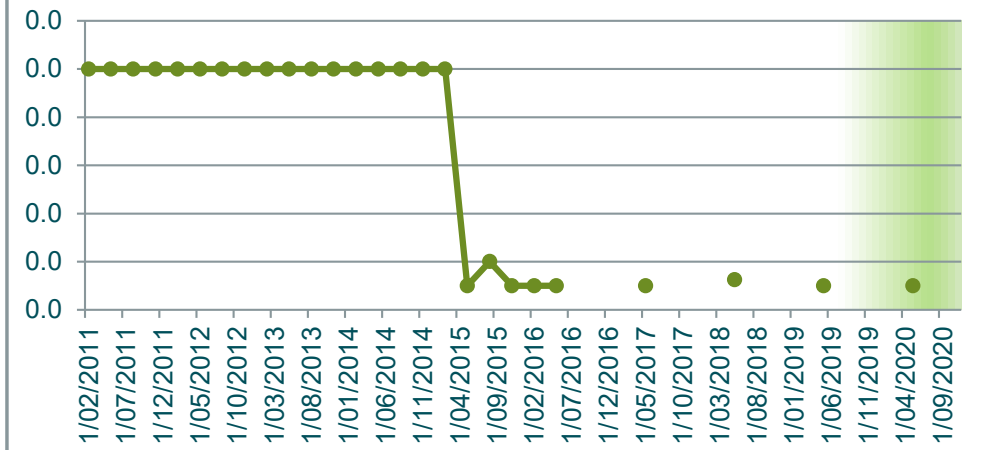
Magnesium (Total) mg/L



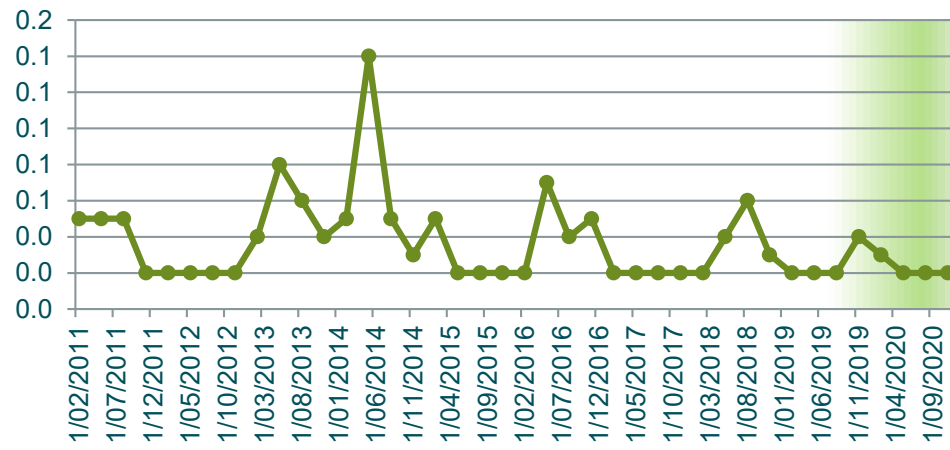
Manganese Total mg/L



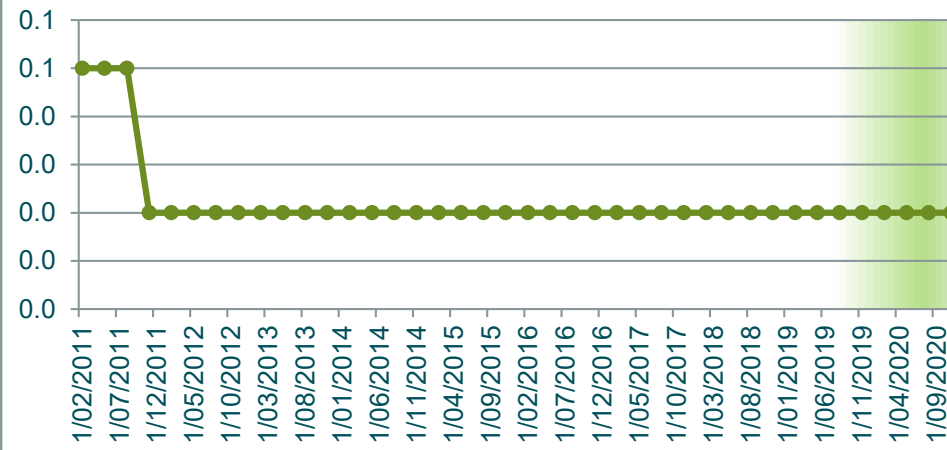
Nickel (Total) mg/L



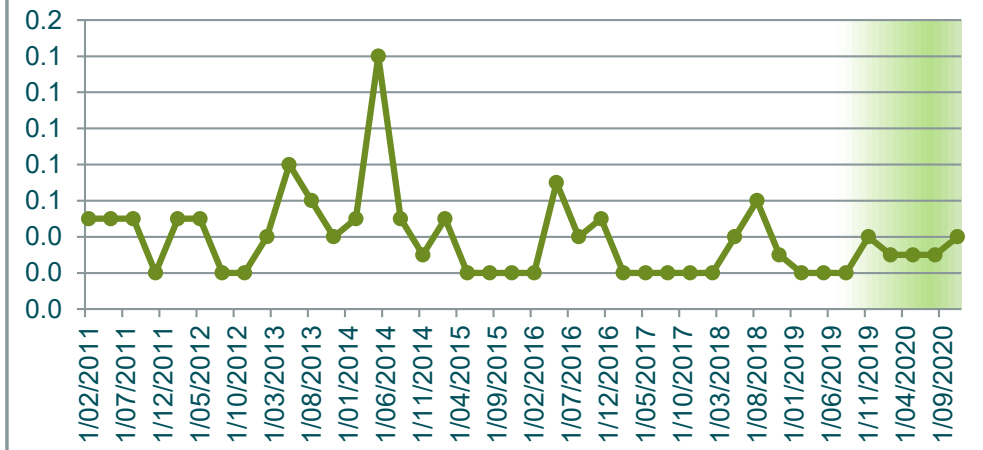
Nitrate N mg/L



Nitrite N mg/L



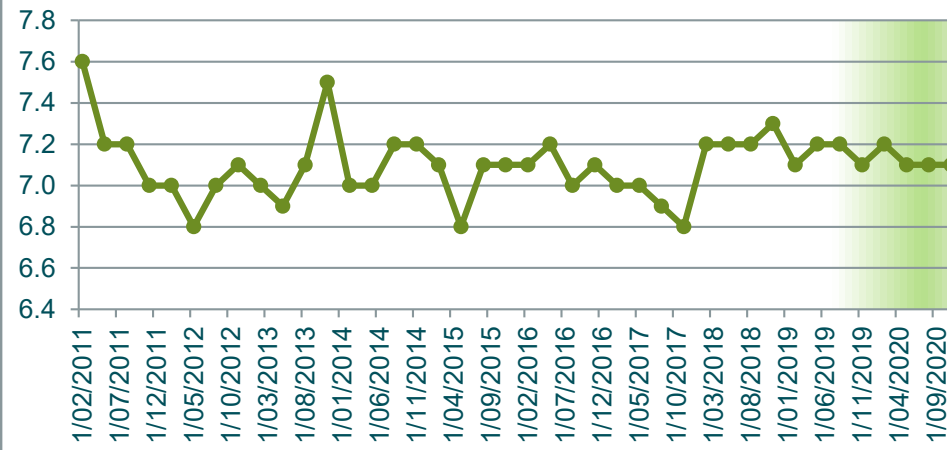
Nitrogen Oxidised mg/L



Nitrogen Total mg/L



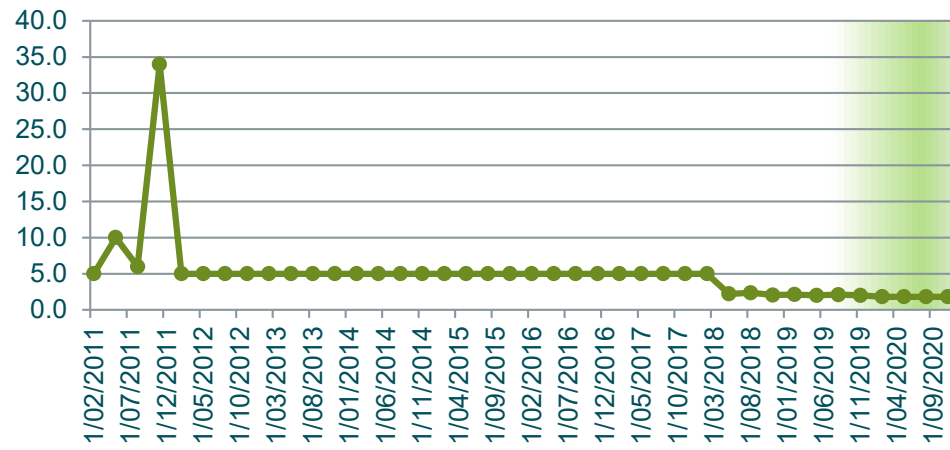
pH pH units



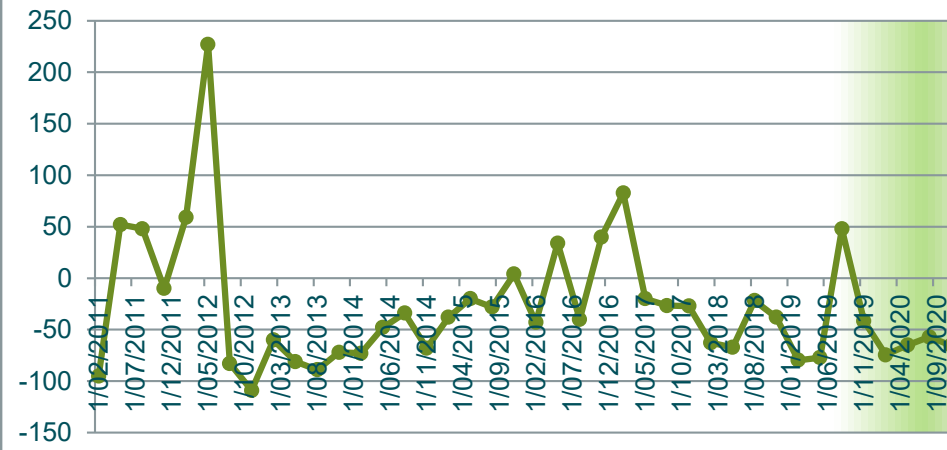
Phosphorus Total mg/L



**Potassium Total
mg/L**



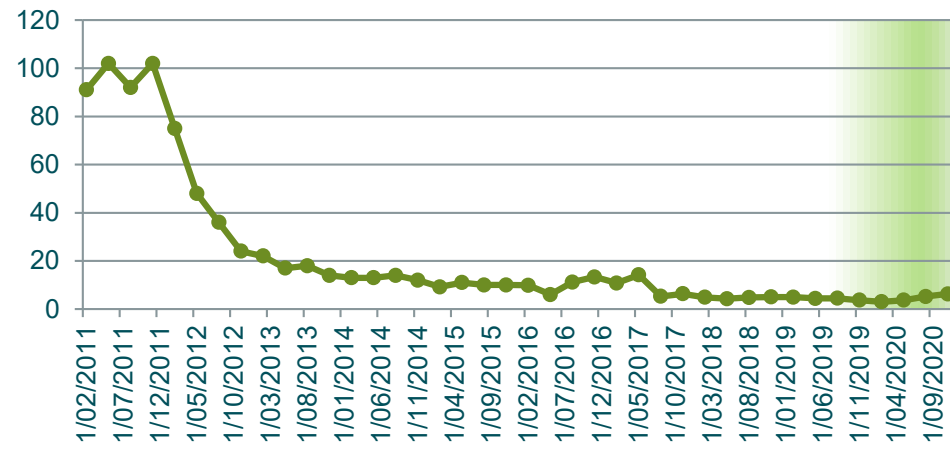
**Redox Potential
mV**



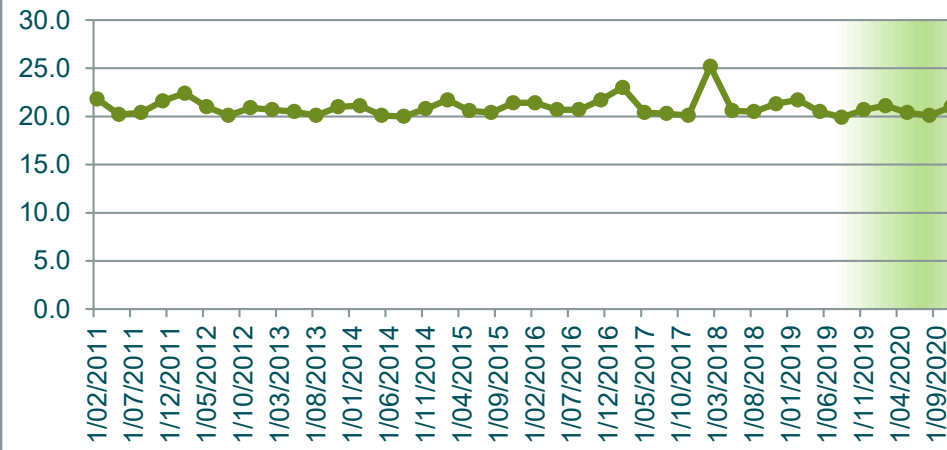
**Sodium (Total)
mg/L**



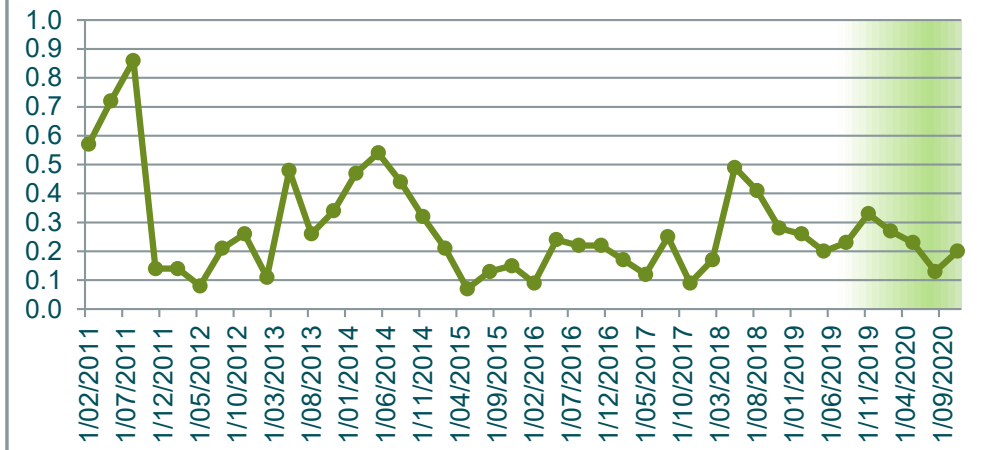
**Sulphate
mg/L**



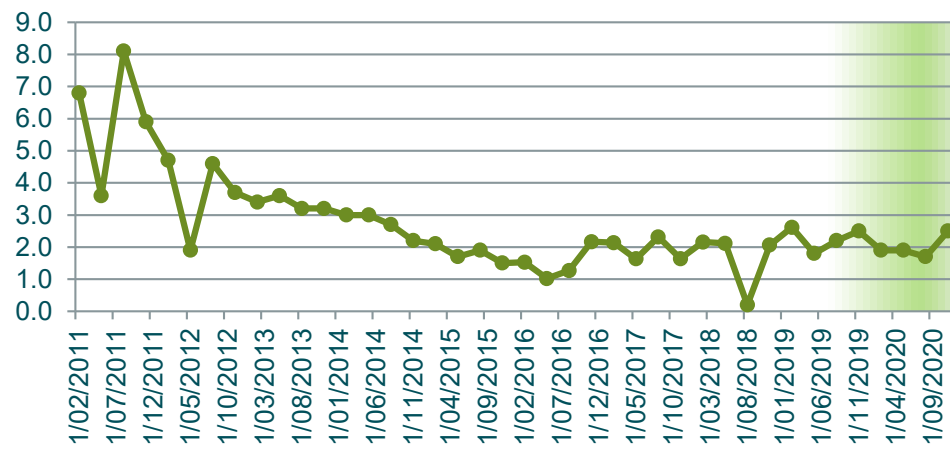
**Temperature
C**



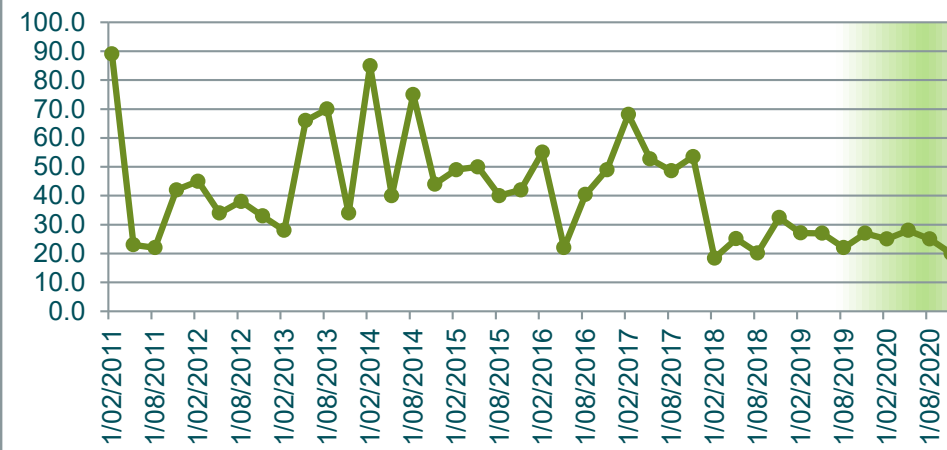
**TKN
mg/L**



**TOC
mg/L**



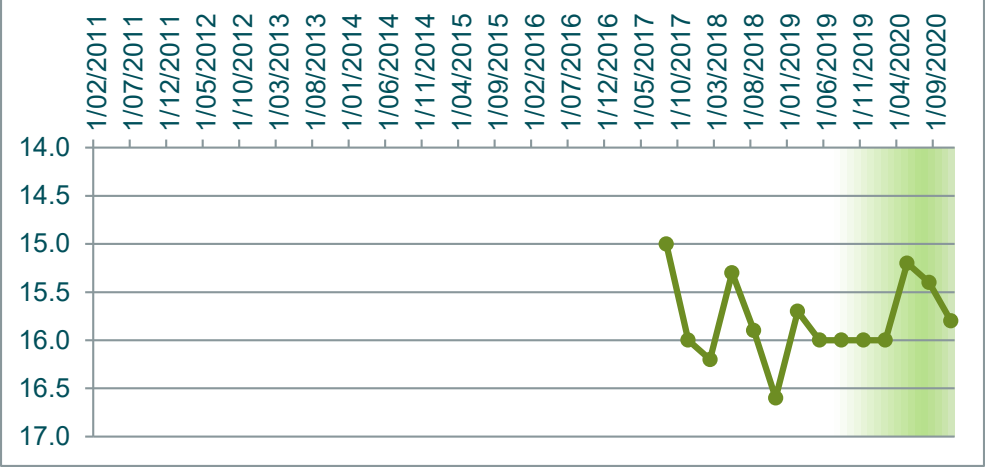
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**

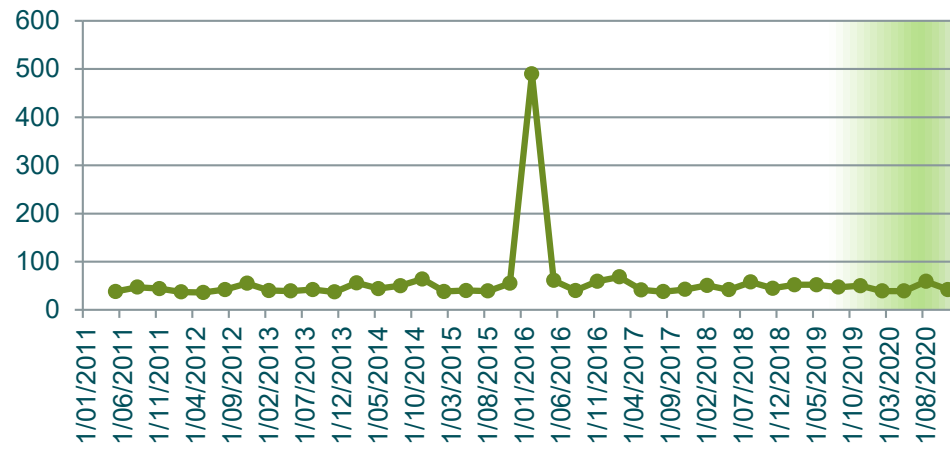


Depth to Groundwater m

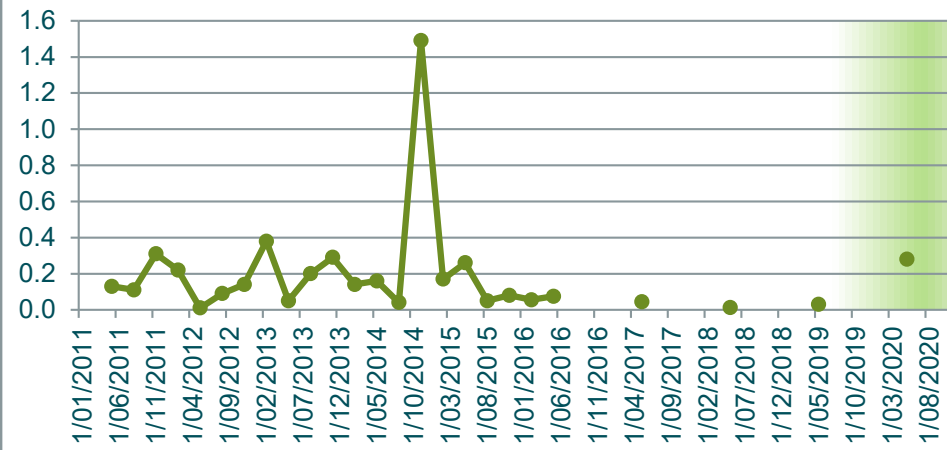


GW21	Alkalinity mg/L as CaCO3	Ammonia mg/L	Arsonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m		
31/01/2011																																							
10/05/2011	38	0.1	0.1	0.0	23	1.8	0.0	12.0	273	0.0	0.0	0.0	556	0.0	1.3	0.1	2.7	0.0	12.0	0.0	0.0	0.1	0.1	0.1	0.2	5.3	0.1	5.0	178	57.0	8.0	19.9	0.1	1.0	23	0.0			
9/08/2011	47	0.1	0.1	0.0	29	1.0	0.0	12.0	120	0.0	0.0	0.0	524	0.0	6.7	0.1	1.8	0.0	12.0	0.0	0.0	0.1	0.1	0.1	0.1	6.5	0.1	5.0	237	54.0	7.6	19.3	0.1	1.0	20	0.0			
8/11/2011	44	0.3	0.0	0.0	27	2.1	0.0	15.0	146	0.0	0.0	0.0	487	0.0	2.1	0.1	11.0	0.0	16.0	0.0	0.0	0.0	0.0	0.1	6.0	0.1	8.0	96	43.0	9.0	20.5	0.1	1.8	64	0.0				
6/02/2012	37	0.2	0.0	0.0	23	1.5	0.0	13.0	122	0.0	0.0	0.0	527	0.0	2.3	0.1	3.5	0.0	12.0	0.0	0.0	0.1	0.0	0.1	0.1	5.8	0.1	5.0	160	65.0	7.9	20.8	0.1	0.1	66	0.0			
8/05/2012	36	0.0	0.0	0.0	22	1.0	0.0	13.0	120	0.0	0.0	0.0	511	0.0	3.2	0.1	0.1	0.0	13.0	1.6	0.0	0.1	0.0	0.1	0.1	5.9	0.2	5.0	193	62.0	10.0	20.3	0.1	0.5	63	0.0			
6/08/2012	42	0.1	0.0	0.0	26	1.8	0.0	12.0	128	0.0	0.0	0.0	580	0.0	2.9	0.1	9.1	0.0	12.0	0.1	0.0	0.0	0.0	0.1	5.8	0.2	5.0	86	44.0	7.4	19.9	0.1	0.2	39	0.0				
13/11/2012	55	0.1	0.0	0.0	34	2.8	0.0	13.0	120	0.0	0.0	0.0	533	0.0	1.9	0.1	6.7	0.0	13.0	0.1	0.0	0.0	0.0	0.1	6.1	0.0	5.0	39	53.0	5.9	20.4	0.1	0.3	69	0.0				
13/02/2013	40	0.4	0.1	0.0	24	1.5	0.0	14.0	130	0.0	0.0	0.0	582	0.0	0.5	0.1	1.3	0.0	13.0	0.0	0.0	0.1	0.0	0.1	5.7	0.0	5.0	83	58.0	7.6	20.2	0.1	0.2	46	0.0				
14/05/2013	39	0.1	0.0	0.0	24	1.0	0.0	14.0	130	0.0	0.0	0.0	551	0.0	3.1	0.1	1.2	0.0	12.0	0.0	0.0	0.1	0.0	0.1	5.9	0.0	5.0	68	55.0	7.3	20.6	0.1	0.2	78	0.0				
6/08/2013	42	0.2	0.0	0.0	26	4.5	0.0	16.0	120	0.0	0.0	0.0	578	0.0	0.6	0.1	3.6	0.0	15.0	0.0	0.0	0.0	0.0	0.1	5.8	0.0	5.0	98	63.0	8.8	19.9	0.1	0.2	130	0.0				
12/11/2013	37	0.3	0.0	0.0	23	1.0	0.0	15.0	132	0.0	0.0	0.0	543	0.0	5.2	0.1	1.9	0.0	15.0	0.0	0.0	0.1	0.0	0.1	6.0	0.1	5.0	787	64.0	9.4	20.4	0.1	0.2	21	0.1				
11/02/2014	56	0.1	0.1	0.0	34	2.7	0.0	19.0	128	0.0	0.0	0.0	536	0.0	1.0	0.1	6.8	0.0	15.0	0.1	0.0	0.1	0.0	0.1	6.1	0.0	5.0	11	75.0	13.0	20.5	0.1	0.2	193	0.0				
13/05/2014	44	0.2	0.0	0.0	27	1.2	0.0	12.0	132	0.0	0.0	0.0	561	0.0	2.2	0.1	2.8	0.0	13.0	0.0	0.0	0.1	0.0	0.1	5.9	0.1	5.0	52	55.0	6.6	20.8	0.1	0.2	64	0.0				
12/08/2014	50	0.0	0.0	0.0	30	1.5	0.0	16.0	130	0.0	0.0	0.0	548	0.0	3.2	0.1	2.9	0.0	15.0	0.0	0.0	0.1	0.0	0.1	6.2	0.0	5.0	48	63.0	7.0	19.9	0.1	0.2	120	0.0				
10/11/2014	64	1.5	0.1	0.0	39	3.0	0.0	16.0	132	0.0	0.0	0.0	562	0.0	1.8	0.1	8.8	0.0	16.0	0.1	0.0	0.1	0.0	0.1	6.3	0.0	5.0	3	64.0	5.8	20.7	0.1	0.2	148	0.0				
9/02/2015	38	0.2	0.0	0.0	23	1.0	0.0	13.0	130	0.0	0.0	0.0	526	0.0	1.8	0.1	2.2	0.0	12.0	0.0	0.0	0.0	0.0	0.2	6.0	0.1	5.0	56	56.0	7.9	21.4	0.2	0.2	75	0.0				
11/05/2015	40	0.3	0.0	0.0	24	1.0	0.0	15.0	132	0.0	0.0	0.0	568	0.0	2.4	0.1	6.6	0.0	14.0	0.0	0.0	0.0	0.0	0.1	6.0	0.2	5.0	61	62.0	8.0	20.5	0.1	0.2	79	0.0				
11/08/2015	39	0.1	0.0	0.0	39	1.0	0.0	15.0	38	0.0	0.0	0.0	528	0.0	8.2	0.1	1.7	0.0	14.0	0.0	0.0	0.1	0.0	0.1	6.6	0.1	5.0	83	60.0	7.7	19.8	0.1	0.2	22	0.0				
10/11/2015	55	0.1	0.0	0.0	55	1.0	0.0	16.0	128	0.0	0.0	0.0	471	0.0	1.5	0.1	4.0	0.0	14.0	0.1	0.0	0.0	0.0	0.1	6.1	0.0	5.0	-45	59.0	6.7	20.4	0.1	0.2	75	0.0				
8/02/2016	490	0.1	0.0	0.0	490	1.2	0.0	15.1	131	0.0	0.0	0.0	552	0.0	1.0	0.1	3.5	0.0	13.9	0.1	0.0	0.0	0.0	0.1	6.1	0.0	5.0	57	59.3	6.5	20.6	0.1	0.2	107	0.0				
9/05/2016	61	0.1	0.0	0.0	61	2.2	0.0	15.9	128	0.0	0.0	0.0	567	0.0	2.1	0.1	6.0	0.0	14.1	0.1	0.0	0.0	0.0	0.1	6.2	0.1	5.0	42	60.4	5.6	20.7	0.1	0.4	92	0.0				
9/08/2016	40		0.0		40	1.0		14.2	132				530		3.9	0.1			13.5			0.1	0.0	0.1	0.1	5.8	0.1	5.0	140	60.0	8.4	20.1	0.1	0.3	92				
7/11/2016	59		0.0		59	1.8		17.1	135				562		1.6	0.1			15.0			0.0	0.0	0.0	0.1	6.0	0.0	5.0	163	62.8	6.6	20.4	0.1	0.5	87				
7/02/2017	68		0.1		68	3.6		15.8	135				583		1.6	0.1			14.3			0.0	0.0	0.0	0.3	6.0	0.1	5.0	102	60.8	5.1	20.6	0.3	2.0	129				
8/05/2017	42	0.0	0.0	0.0	42	1.0	0.0	14.5	132	0.0	0.0	0.0	541	0.0	2.0	0.1	1.6	0.0	13.6	0.1	0.0	0.0	0.0	0.1	5.7	0.1	5.0	202	58.0	9.1	20.6	0.1	0.3	64	0.0				
8/08/2017	38		0.0		38	1.0		14.2	115				540		5.3	0.1			13.5			0.1	0.0	0.1	0.1	5.9	0.0	5.0	346	59.2	7.7	20.1	0.1	0.5	36		0.6		
7/11/2017	42		0.0		42	1.0		16.0	136				558		4.0	0.1			14.5			0.2	0.0	0.2	0.3	5.9	0.1	5.0	325	61.5	6.7	20.6	0.1	0.5	32		0.8		
13/02/2018	50		0.0		50	1.0		15.3	133				553		2.0	0.1			13.7			0.0	0.0	0.0	0.1	6.0	0.0	5.0	105	59.6	5.6	21.6	0.1	0.7	68		1.8		
8/05/2018	42	0.0	0.0	0.0	42	1.8	0.0	15.3	158	0.0	0.0	0.0	551	0.0	2.4	0.1	1.3	0.0	14.5	0.1	0.0	0.0	0.0	0.1	5.8	0.0	2.1	161	63.2	7.1	20.6	0.1	0.2	70	0.0	0.5			
14/08/2018	58		0.0		58	3.6		17.2	135				565		3.2	0.1			15.3			0.0	0.0	0.0	0.1	6.0	0.0	2.1	169	66.5	4.3	20.1	0.1	0.8	59		1.2		
13/11/2018	45		0.0		45	1.0		15.9	142				553		5.0	0.1			14.4			0.1	0.0	0.1	0.1	6.3	0.1	2.1	93	61.2	6.5	20.5	0.1	0.5	34		0.9		
12/02/2019	52		0.0		52	1.2		17.2	145				561		2.2	0.1			15.0			0.0	0.0	0.0	0.1	6.0	0.0	2.0	213	64.9	5.6	21.3	0.1	0.5	16		1.9		
14/05/2019	52	0.0	0.0	0.0	52	1.8	0.0	17.0	140	0.0	0.0	0.0	559	0.0	2.6	0.1	2.0	0.0	16.0	0.1	0.0	0.1	0.0	0.1	6.0	0.0	2.2	84	68.0	5.4	20.7	0.1	0.5	60	0.0	0.8			
13/08/2019	47		0.0		47	1.0		16.0	130				549		6.5	0.1			15.0			0.0	0.0	0.0	0.1	6.4	0.1	2.1	354	66.0	5.2	19.5	0.1	0.9	20		0.9		
12/11/2019	50		0.0		50	1.0		16.0	130				574		3.5	0.1			15.0			0.0	0.0	0.0	0.1	6.2	0.0	2.1	185	65.0	4.9	20.6	0.1	0.8	40		2.1		
25/02/2020	39.0		0.0		39.0	1.0		15.0	140.0				552.0		1.6	0.1			14.0			0.0	0.0	0.0	0.1	5.8	0.0	2.2	158.5	60.0	7.0	21.6	0.1	0.5	67.0		0.1		
12/05/2020	39.0	0.3	0.0	0.0	39.0	1.0	0.0	14.0	140.0	0.0	0.0	0.0	560.0	0.0	5.7	0.1	3.5	0.0	14.0	0.0	0.0	0.0	0.0	0.0	6.1	0.1	2.1	195.7	61.0	7.2	20.4	0.2	0.4	26.0	0.0	0.6			
11/08/2020	59.0		0.0		59.0	1.5		16.0	140.0				566.0		2.5	0.1			15.0			0.0	0.0	0.0	0.1	6.0	0.0	2.0	70.6	62.0	5.3	19.6	0.1	0.4	59.0		0.2		
10/11/2020	42.0		0.0		42.0	1.0		15.0	140.0				554.0		4.6	0.1			14.0			0.1	0.0	0.1	0.2	6.0	0.1	2.1	243.7	63.0	6.2	20.1	0.1	0.4	26.0		0.9		
2020 Min	39.0	0.3	0.0	0.0	39.0	1.0	0.0	14.0	140.0	0.0	0.0	0.0	552.0	0.0	1.6	0.1	3.5	0.0	14.0	0.0	0.0	0.0</																	

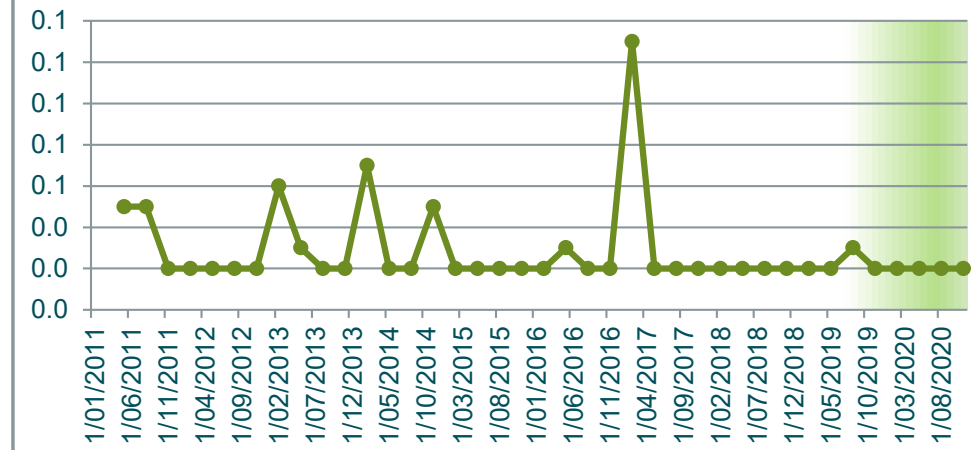
Alkalinity
mg/L as CaCO₃



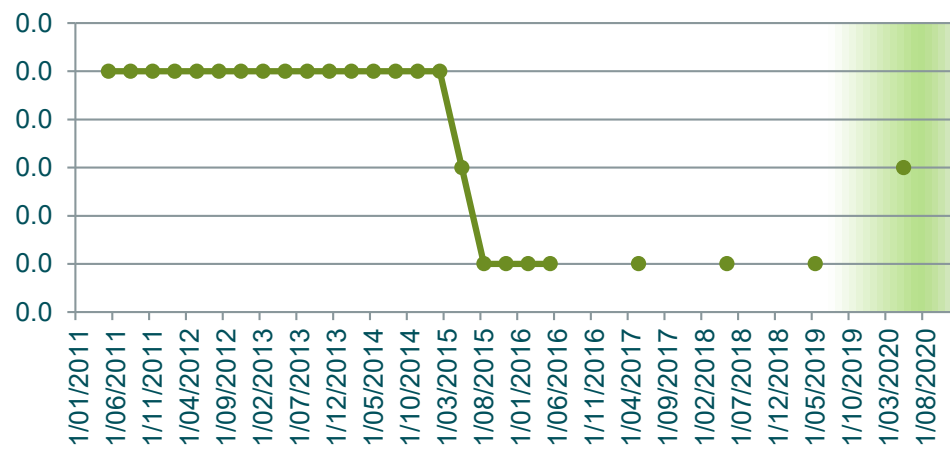
Aluminium (Total)
mg/L



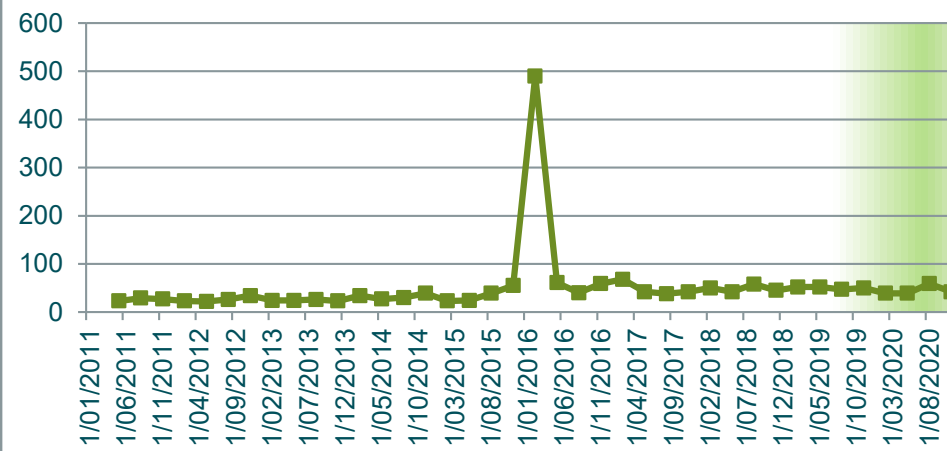
Ammonia
mg/L



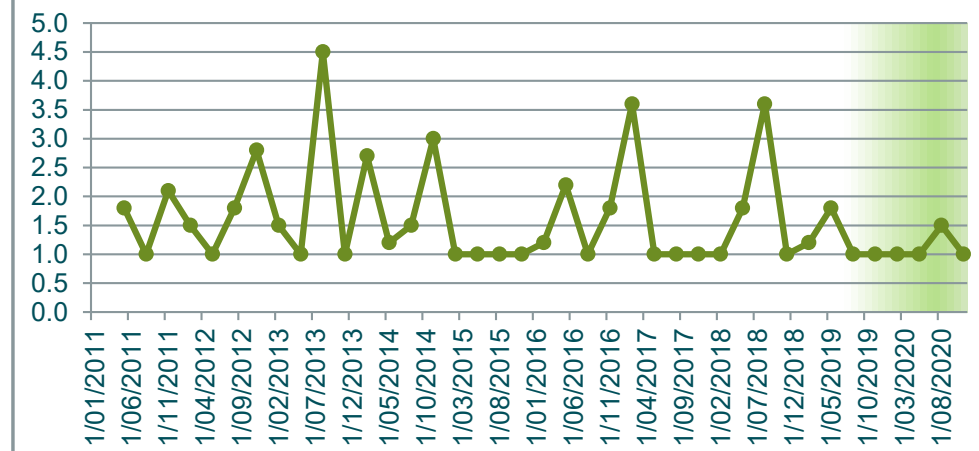
Arsenic (Total)
mg/L



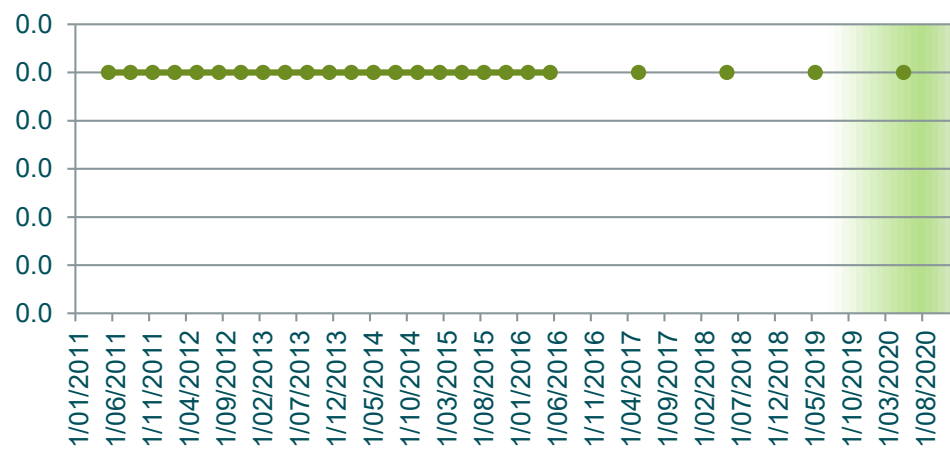
Bicarbonate HCO₃
mg/L



BOD₅
mg/L



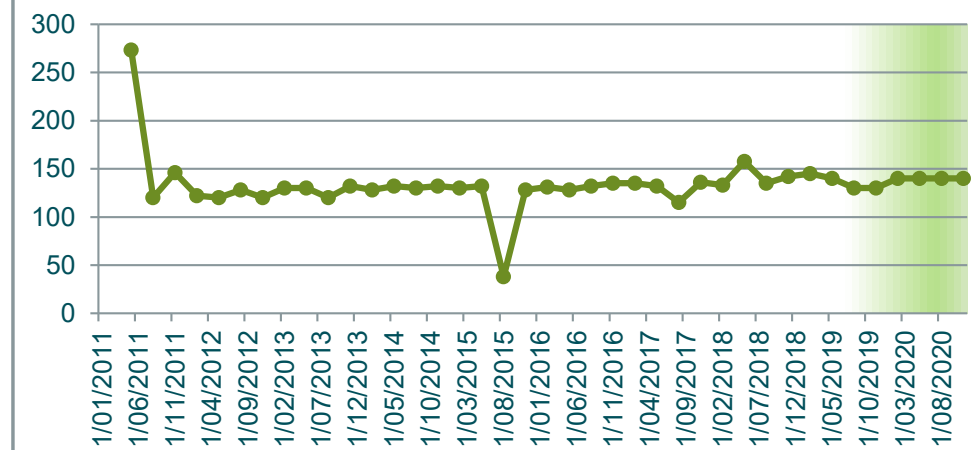
Cadmium (Total)
mg/L



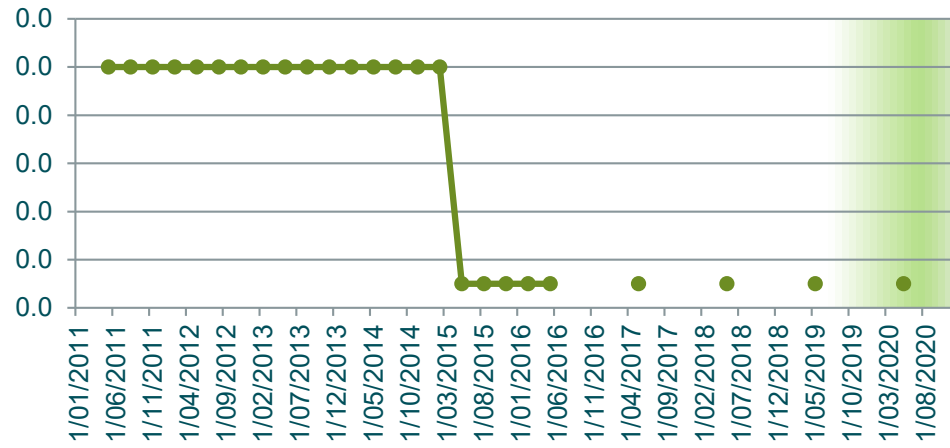
Calcium (Total)
mg/L



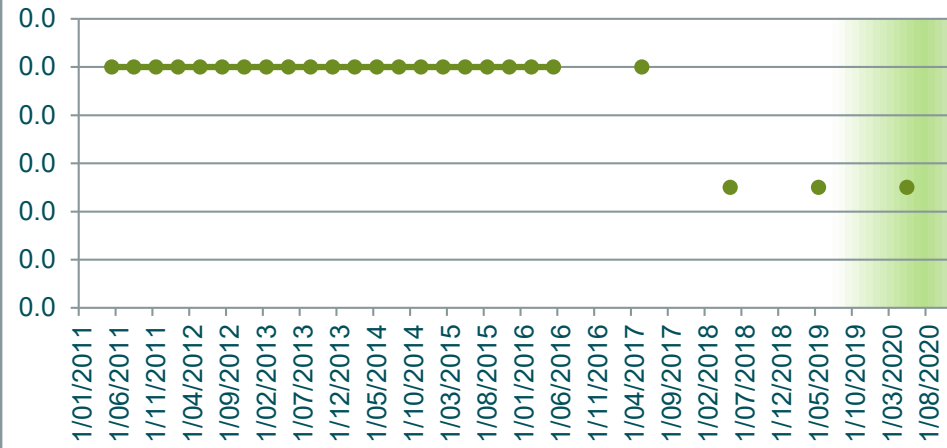
Chloride
mg/L



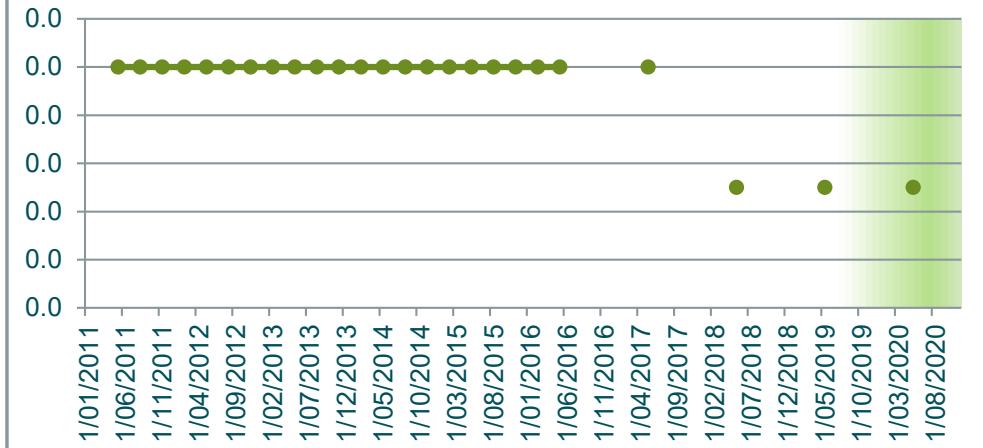
**Chromium (Total)
mg/L**



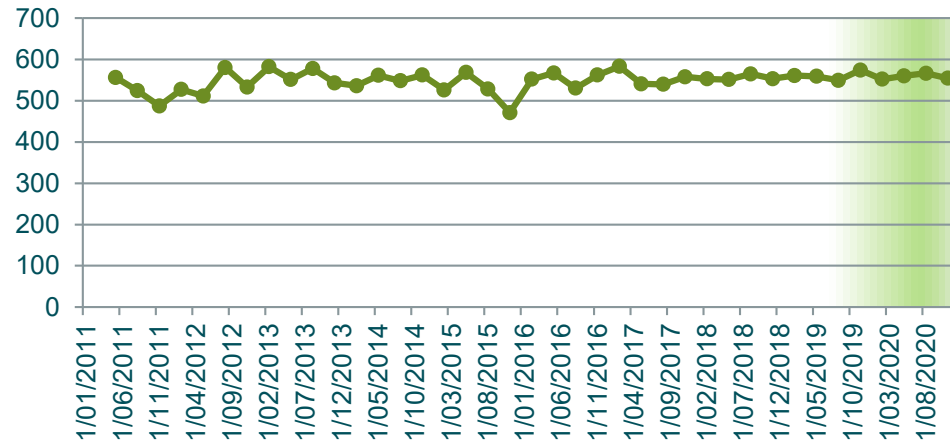
**Chromium 3
mg/L**



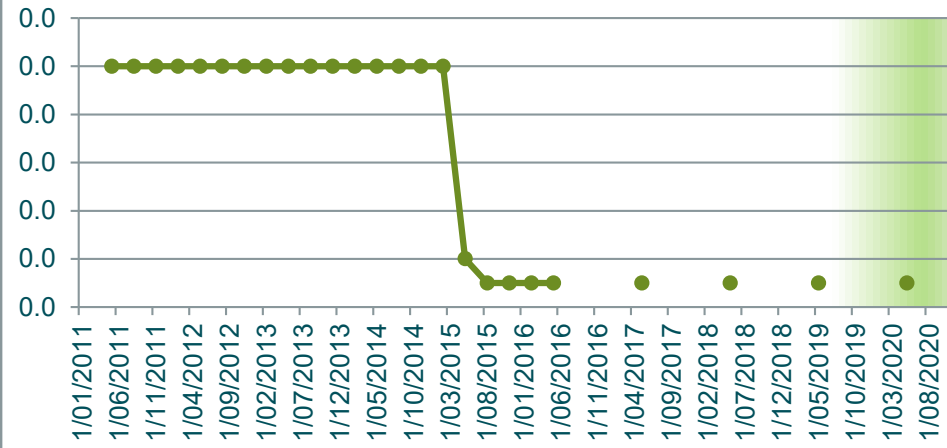
**Chromium 6
mg/L**



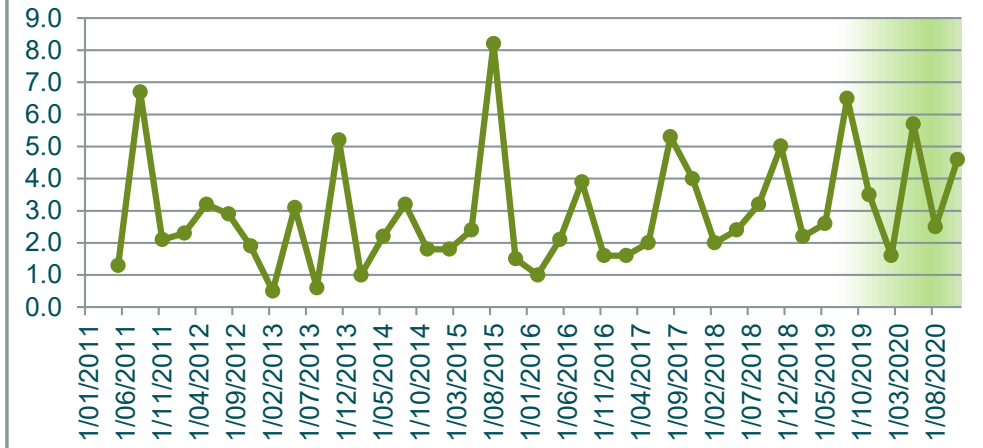
**Conductivity
µScm-1**



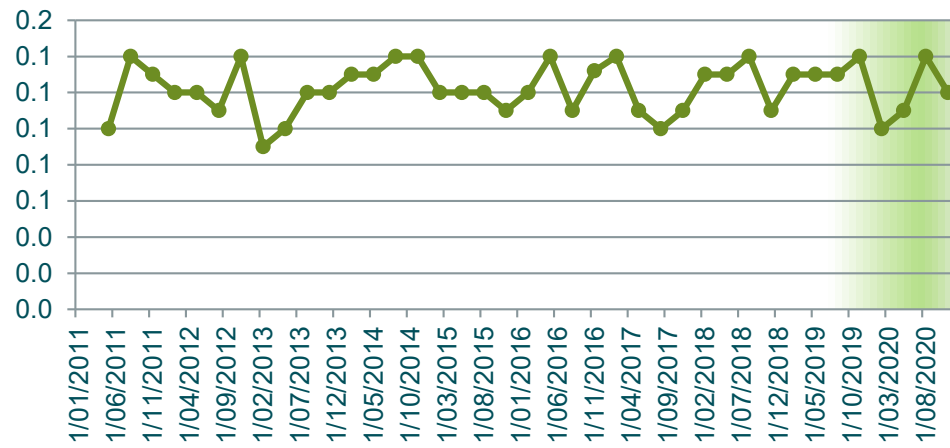
**Copper (Total)
mg/L**



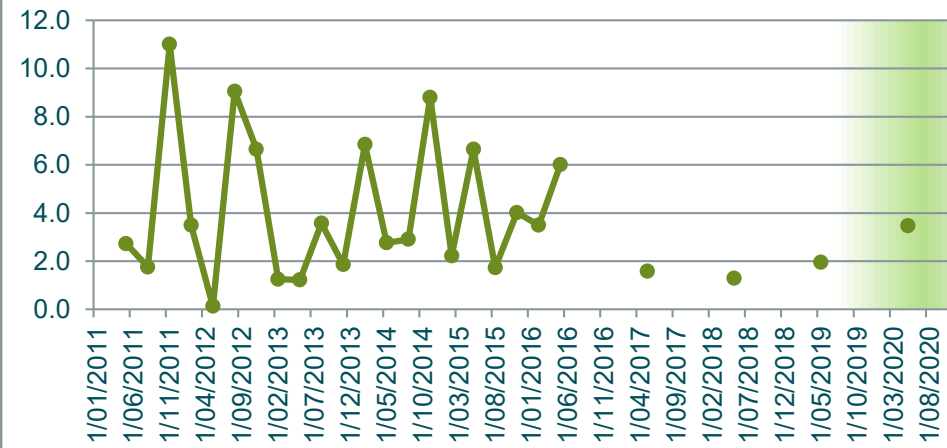
**DO (Membrane Electrode)
mg/L**



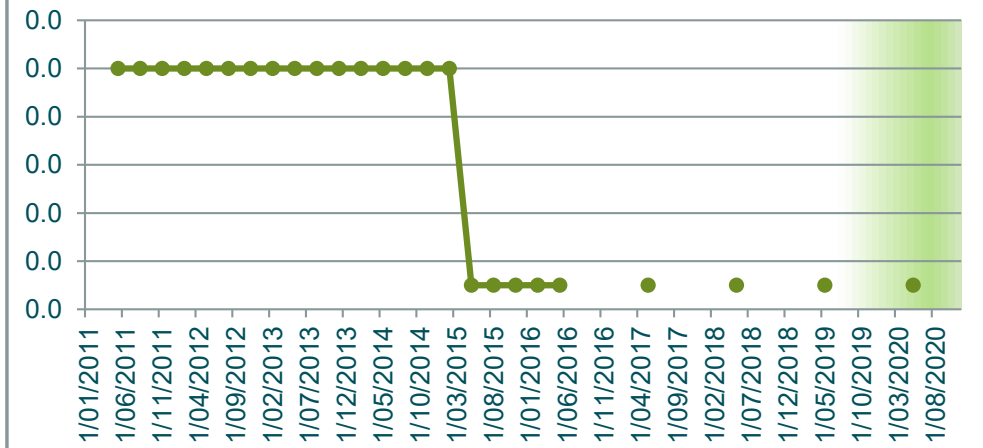
**Flouride
mg/L**



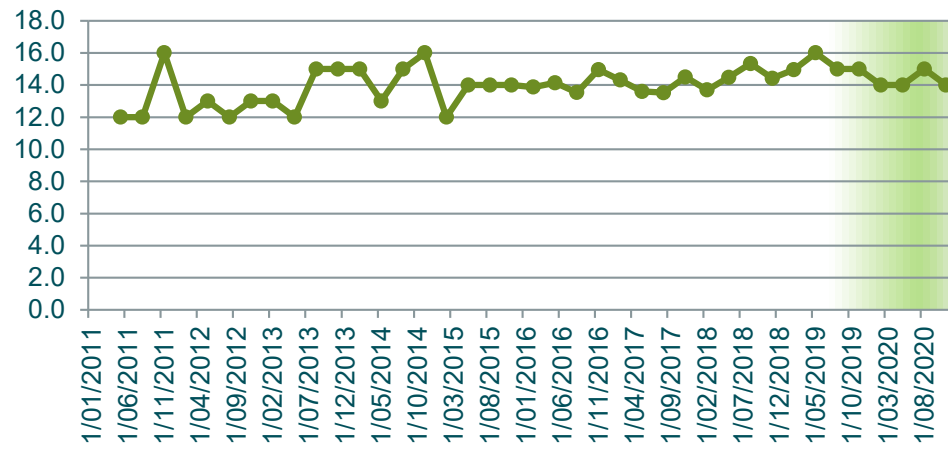
**Iron Total
mg/L**



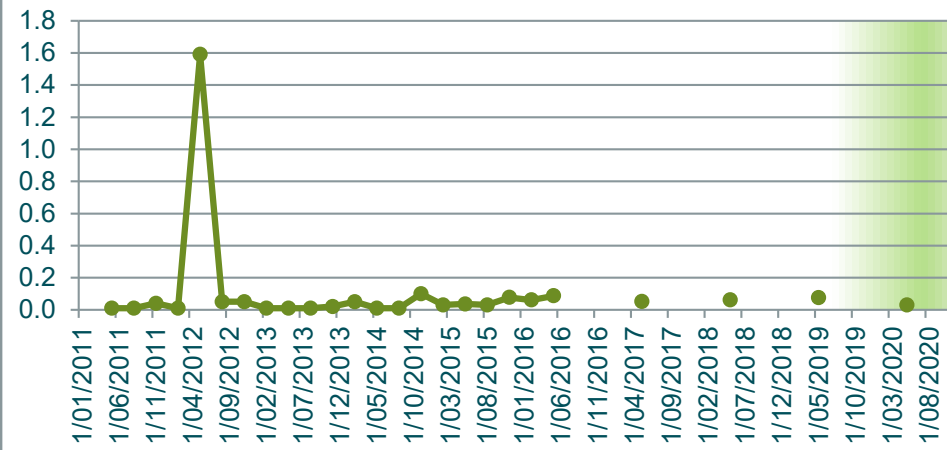
**Lead (Total)
mg/L**



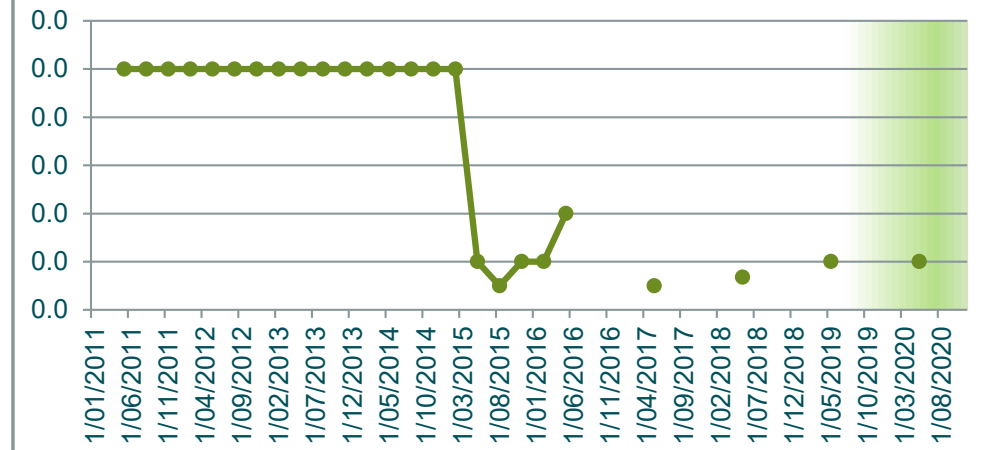
Magnesium (Total) mg/L



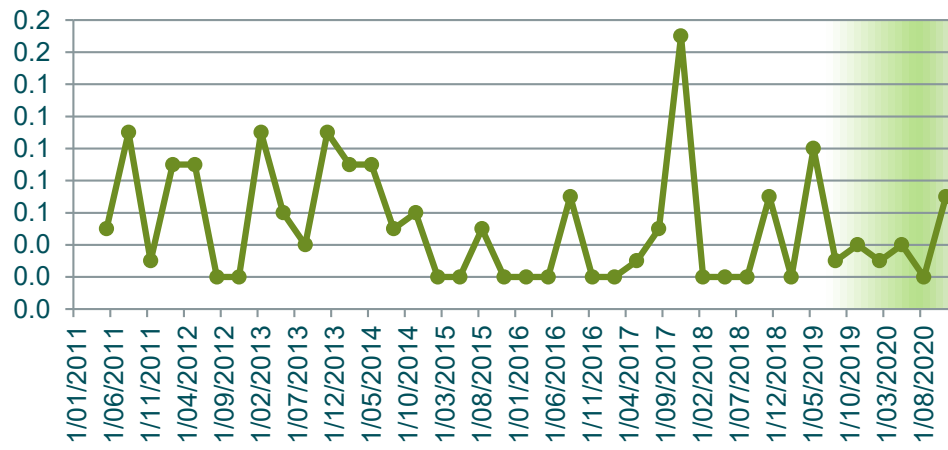
Manganese Total mg/L



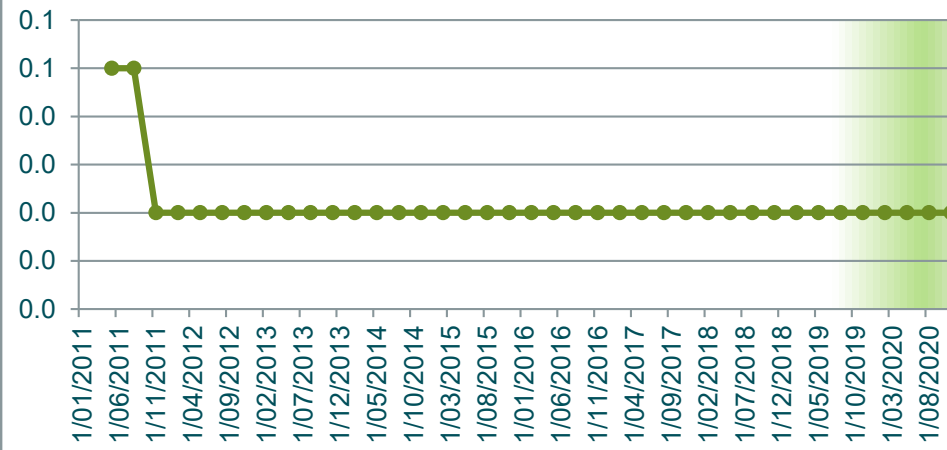
Nickel (Total) mg/L



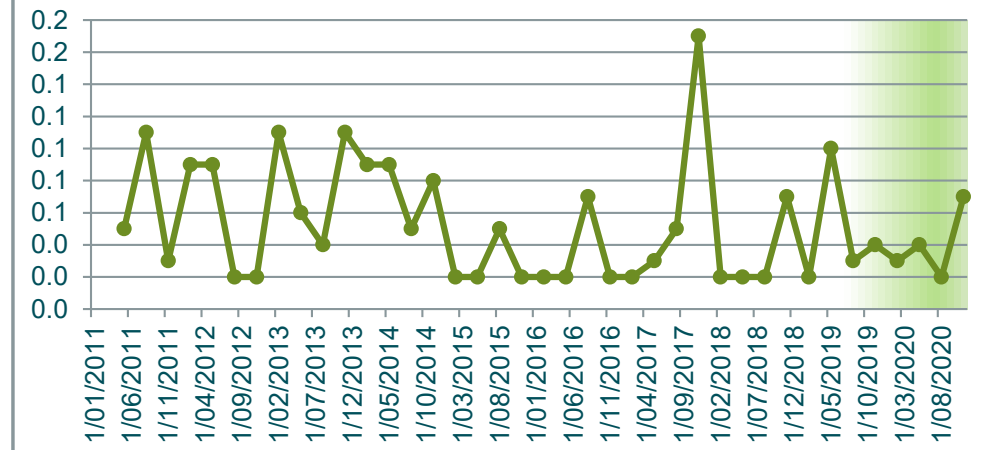
Nitrate N mg/L



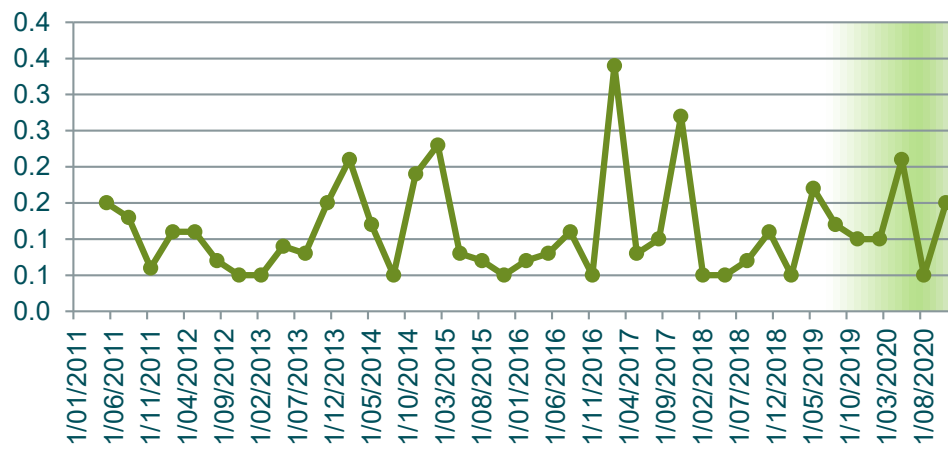
Nitrite N mg/L



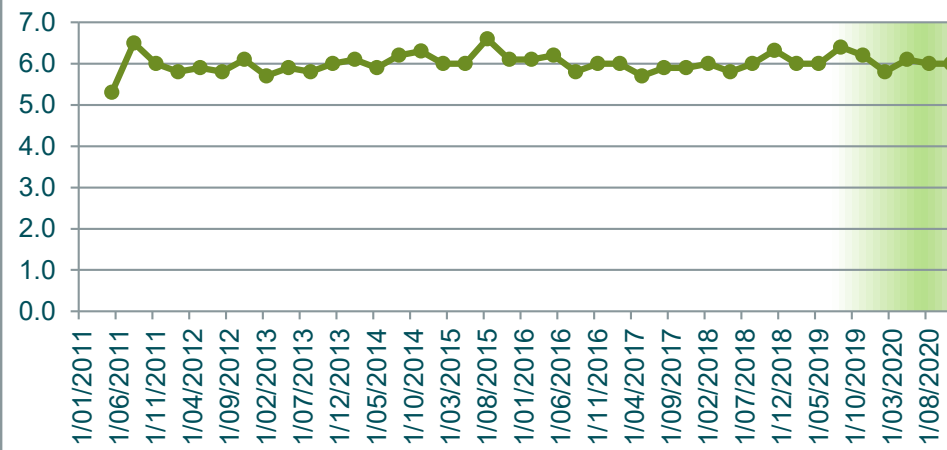
Nitrogen Oxidised mg/L



Nitrogen Total mg/L



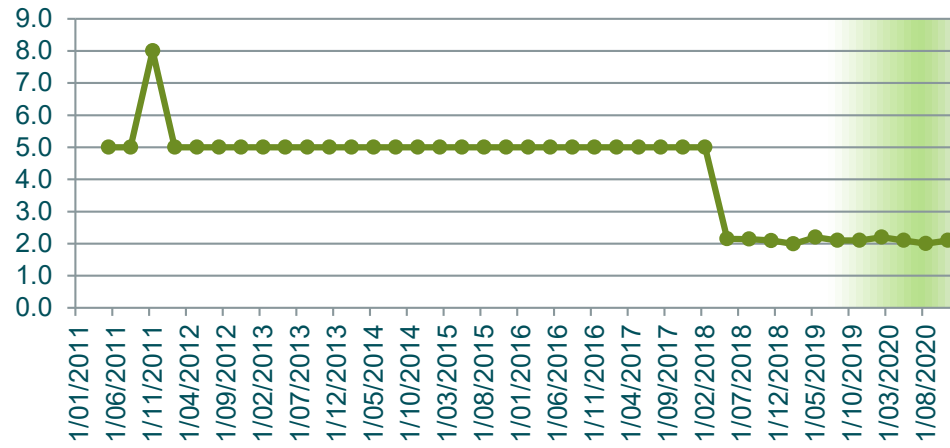
pH pH units



Phosphorus Total mg/L



**Potassium Total
mg/L**



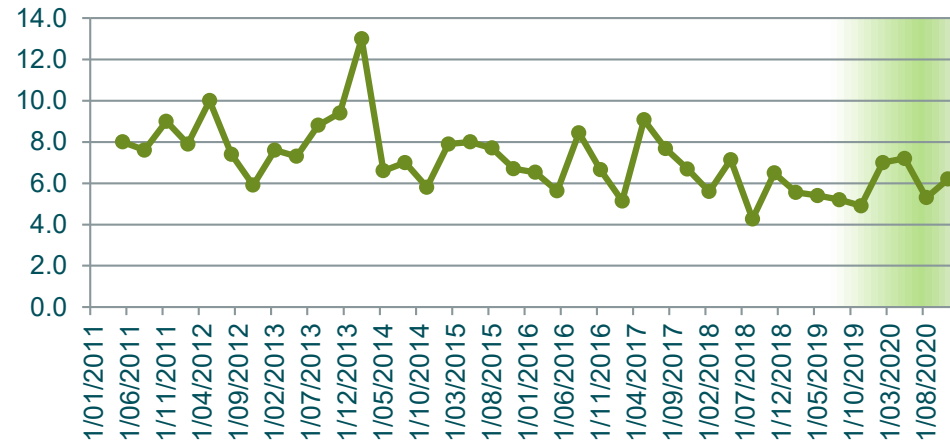
**Redox Potential
mV**



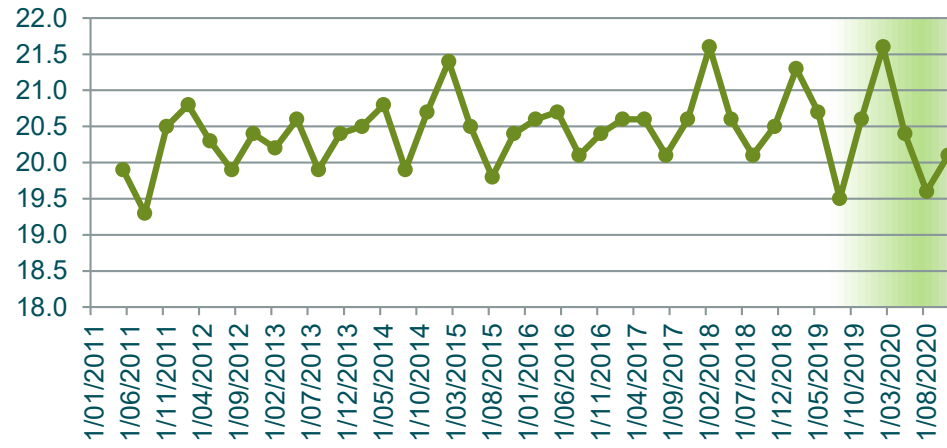
**Sodium (Total)
mg/L**



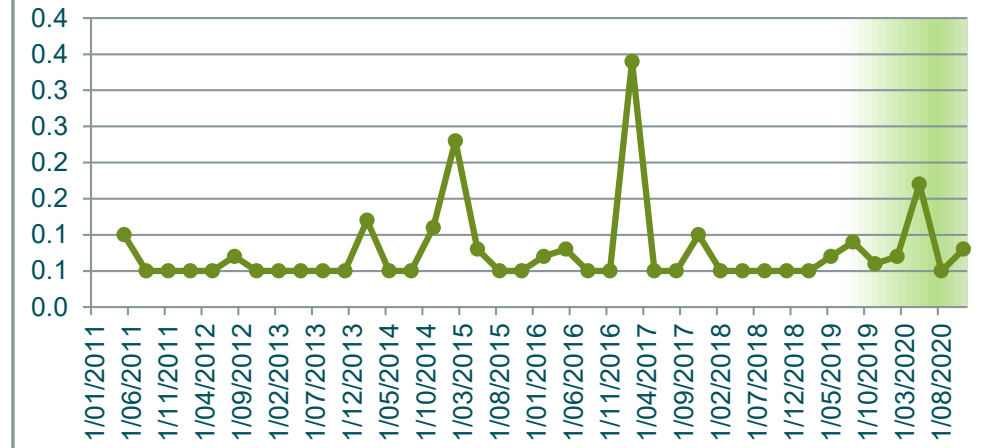
**Sulphate
mg/L**



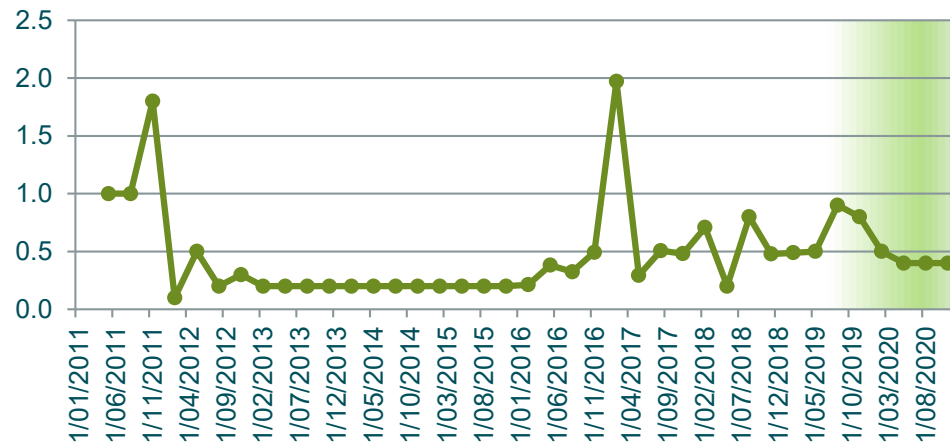
**Temperature
C**



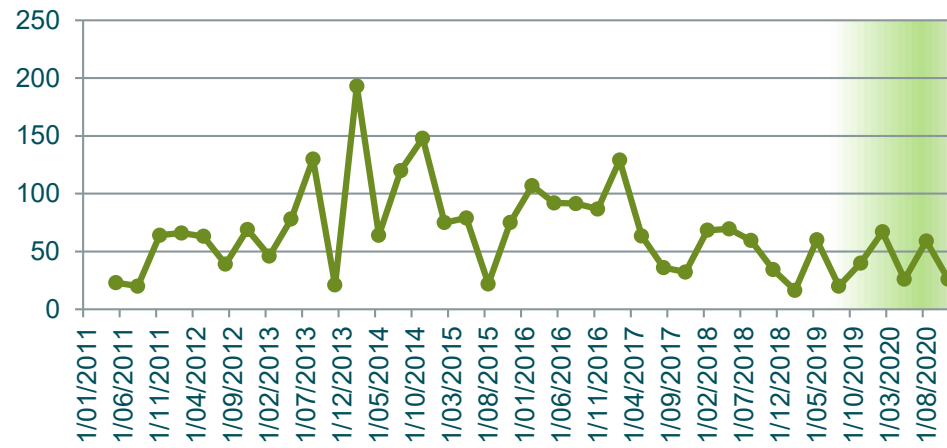
**TKN
mg/L**



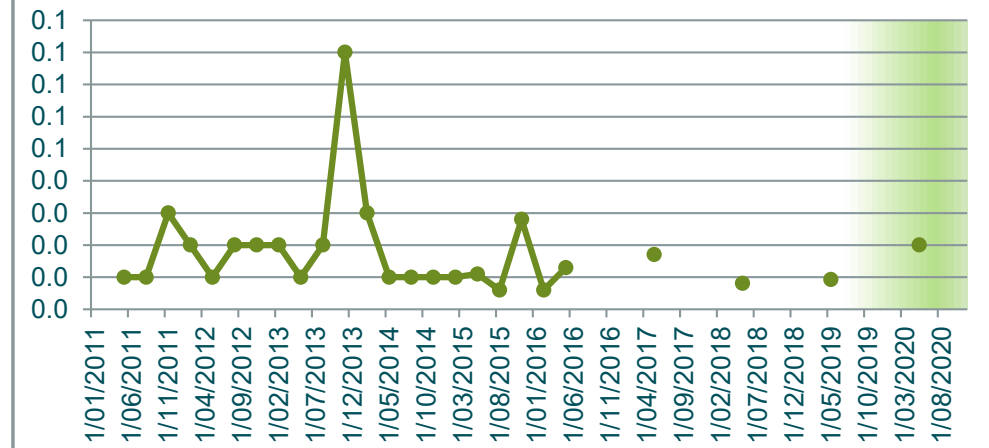
**TOC
mg/L**



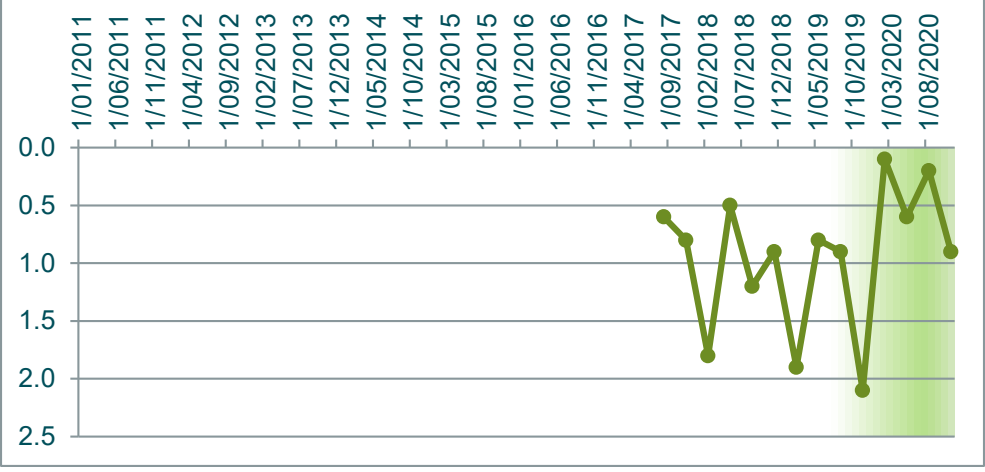
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**

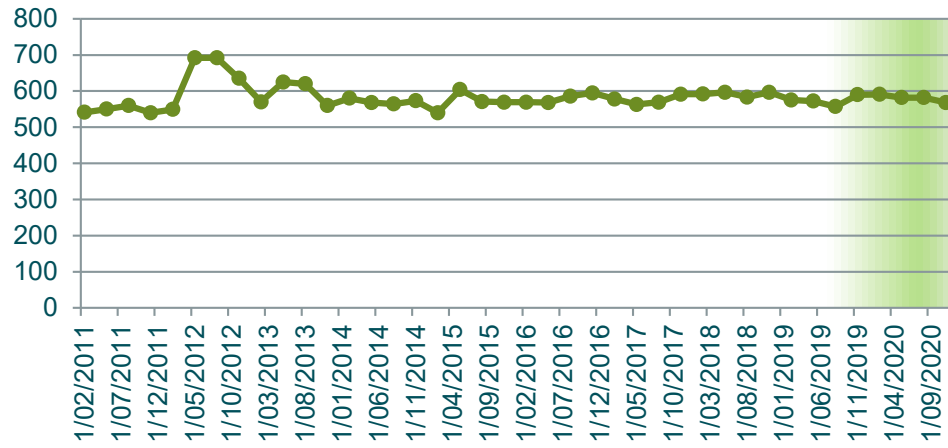


Depth to Groundwater m

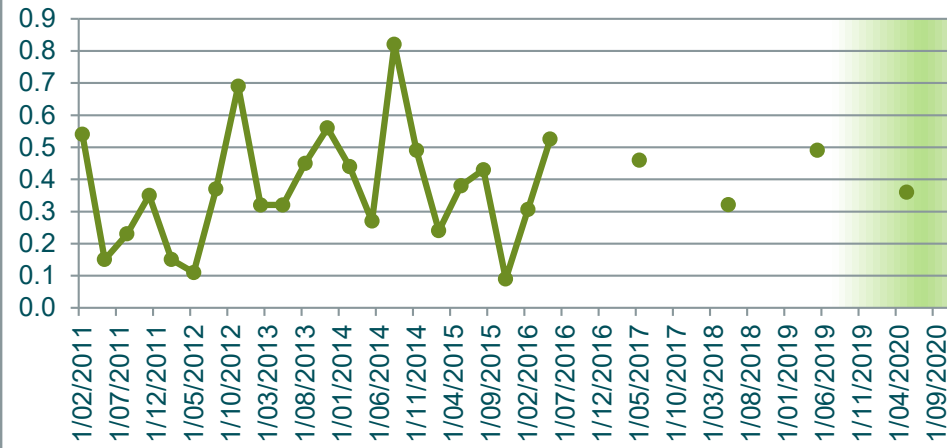


GW22	Alkalinity mg/L as CaCO3	Aluminum (Total) mg/L	Ammonia mg/L	Arsenic (Total) mg/L	Bicarbonate HCO3 mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Chromium 3 mg/L	Chromium 6 mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Flouride mg/L	Iron Total mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Sulphate mg/L	Temperature C	TKN mg/L	TOC mg/L	Total Acidity mg/L CaCO3	Zinc (Total) mg/L	Depth to Groundwater m
1/02/2011	541	0.5	0.2	0.0	330	1.0	0.0	118	105	0.0	0.0	0.0	1346	0.0	3.0	0.1	1.0	0.0	11.0	0.9	0.0	0.1	0.1	0.1	0.2	6.9	0.1	5.0	-12	123	80	21.6	0.2	1.9	124	0.0	
11/05/2011	550	0.2	0.1	0.0	336	1.0	0.0	136	98	0.0	0.0	0.0	1498	0.0	1.0	0.1	1.1	0.0	14.0	1.2	0.0	0.1	0.1	0.1	0.2	6.8	0.1	11.0	103	159	91	19.8	0.2	1.9	74	0.0	
10/08/2011	560	0.2	0.1	0.0	340	1.5	0.0	127	98	0.0	0.0	0.0	1343	0.0	1.1	0.1	1.1	0.0	13.0	1.0	0.0	0.1	0.1	0.1	0.2	6.8	0.1	6.0	19	170	80	20.4	0.2	2.2	105	0.0	
9/11/2011	540	0.4	0.2	0.0	329	1.0	0.0	1	110	0.0	0.0	0.0	1416	0.0	1.0	0.2	1.1	0.0	2.1	1.2	0.0	0.1	0.0	0.1	0.3	6.9	0.0	25.0	20	12	8	21.7	0.2	1.7	70	0.0	
7/02/2012	549	0.2	0.1	0.0	335	1.2	0.0	138	91	0.0	0.0	0.0	1425	0.0	1.0	0.1	1.0	0.0	13.0	1.2	0.0	0.0	0.0	0.2	6.9	0.0	7.0	77	185	89	21.3	0.2	1.2	92	0.0		
9/05/2012	692	0.1	0.2	0.0	422	1.0	0.0	131	85	0.0	0.0	0.0	1488	0.0	2.7	0.2	1.2	0.0	12.0	1.1	0.0	0.1	0.0	0.1	0.3	6.7	0.0	6.0	218	146	78	20.5	0.2	1.5	42	0.0	
7/08/2012	692	0.4	0.2	0.0	422	1.5	0.0	126	68	0.0	0.0	0.0	1447	0.0	3.0	0.2	1.6	0.0	12.0	1.2	0.0	0.2	0.0	0.2	0.5	6.9	0.1	6.0	-88	141	76	20.0	0.4	1.6	51	0.1	
14/11/2012	635	0.7	0.3	0.0	387	1.0	0.0	131	96	0.0	0.0	0.0	1418	0.0	2.9	0.2	2.0	0.0	14.0	1.2	0.0	0.1	0.0	0.1	0.6	6.9	0.1	6.0	-110	144	68	20.6	0.5	1.4	74	0.1	
14/02/2013	570	0.3	0.5	0.0	348	1.2	0.0	142	95	0.0	0.0	0.0	1444	0.0	2.9	0.1	2.4	0.0	14.0	1.5	0.0	0.1	0.0	0.1	0.8	6.9	0.0	6.0	-81	173	81	20.5	0.7	1.5	60	0.1	
15/05/2013	625	0.3	0.5	0.0	381	1.2	0.0	137	110	0.0	0.0	0.0	1453	0.0	2.7	0.1	2.8	0.0	13.0	1.5	0.0	0.1	0.0	0.1	0.9	6.9	0.1	5.0	-80	160	80	20.3	0.8	1.7	104	0.0	
7/08/2013	620	0.5	0.4	0.0	378	1.0	0.0	141	96	0.0	0.0	0.0	1451	0.0	2.6	0.2	5.0	0.0	14.0	1.8	0.0	0.1	0.0	0.1	0.8	6.9	0.1	6.0	-94	175	95	20.3	0.6	2.0	176	0.1	
13/11/2013	560	0.6	0.3	0.0	342	1.2	0.0	145	97	0.0	0.0	0.0	1535	0.0	2.8	0.2	6.3	0.0	16.0	2.0	0.0	0.1	0.0	0.1	0.6	6.9	0.1	6.0	-76	190	100	20.7	0.5	2.0	99	0.1	
12/02/2014	580	0.4	0.3	0.0	354	1.2	0.0	127	99	0.0	0.0	0.0	1391	0.0	2.8	0.2	5.7	0.0	14.0	1.9	0.0	0.1	0.0	0.1	0.8	6.9	0.0	5.0	-85	171	90	20.9	0.7	2.4	196	0.1	
14/05/2014	568	0.3	0.3	0.0	346	1.0	0.0	122	110	0.0	0.0	0.0	1534	0.0	2.9	0.2	5.4	0.0	14.0	1.9	0.0	0.1	0.0	0.1	0.6	6.8	0.0	5.0	-69	169	87	20.2	0.5	2.4	103	0.0	
13/08/2014	564	0.8	0.3	0.0	344	1.8	0.0	146	115	0.0	0.0	0.0	1524	0.0	4.2	0.2	7.1	0.0	16.0	2.2	0.0	0.1	0.0	0.1	0.7	6.9	0.0	6.0	-70	193	105	20.0	0.6	1.44	203	0.1	
11/11/2014	573	0.5	0.3	0.0	350	1.8	0.0	138	120	0.0	0.0	0.0	1537	0.0	2.9	0.2	7.4	0.0	16.0	2.1	0.0	0.0	0.1	0.1	0.7	6.9	0.0	6.0	-48	196	18	20.9	0.6	1.4	141	0.1	
10/02/2015	540	0.2	0.4	0.0	329	1.0	0.0	115	130	0.0	0.0	0.0	1606	0.0	2.9	0.2	7.1	0.0	14.0	2.1	0.0	0.1	0.0	0.1	0.8	6.9	0.0	6.0	-48	183	115	20.7	0.7	2.8	122	0.1	
12/05/2015	604	0.4	0.3	0.0	368	1.5	0.0	144	121	0.0	0.0	0.0	1588	0.0	2.8	0.2	10.0	0.0	16.0	2.6	0.0	0.0	0.1	0.1	0.7	6.8	0.1	6.0	-63	210	127	20.4	0.7	2.8	128	0.1	
12/08/2015	571	0.4	0.5	0.0	571	1.8	0.0	139	132	0.0	0.0	0.0	1643	0.0	3.0	0.2	8.3	0.0	16.0	2.3	0.0	0.0	0.0	0.1	1.1	7.0	0.1	6.4	-63	207	115	20.4	1.0	2.5	102	0.1	
11/11/2015	569	0.1	0.5	0.0	569	1.0	0.0	133	142	0.0	0.0	0.0	1653	0.0	2.1	0.2	4.5	0.0	17.0	2.1	0.0	0.0	0.0	0.1	0.9	6.9	0.0	6.3	-45	201	120	20.7	0.8	3.0	103	0.0	
9/02/2016	569	0.3	0.3	0.0	569	1.2	0.0	135	120	0.0	0.0	0.0	1606	0.0	2.7	0.2	10.8	0.0	14.3	2.6	0.0	0.0	0.0	0.1	0.8	6.9	0.1	5.4	-75	195	127	20.8	0.7	2.0	134	0.0	
10/05/2016	568	0.5	0.3	0.0	568	2.4	0.0	141	115	0.0	0.0	0.0	1607	0.0	1.5	0.2	10.9	0.0	13.9	2.6	0.0	0.1	0.0	0.1	0.8	6.8	0.1	5.3	-45	198	115	20.7	0.7	2.9	159	0.1	
10/08/2016	586		0.3		586	2.4		137	105				1638		2.7	0.2			13.4			0.0	0.1	0.1	0.7	6.7	0.0	5.2	-45	200	147	20.4	0.6	10.7	143		
8/11/2016	595		0.3		595	1.2		140	105				1583		1.7	0.2			13.1			0.0	0.1	0.1	0.6	6.7	0.0	5.0	-15	203	135	21.5	0.5	2.9	193		
8/02/2017	578		0.2		578	1.0		136	110				1591		2.3	0.1			12.4			0.0	0.1	0.1	0.5	6.5	0.0	5.0	40	196	129	21.1	0.4	2.6	234		
9/05/2017	563	0.5	0.2	0.0	563	1.2	0.0	136	115	0.0	0.0	0.0	1555	0.0	3.0	0.2	8.1	0.0	12.3	2.2	0.0	0.0	0.1	0.1	0.5	6.6	0.0	5.0	-39	194	146	20.3	0.4	2.3	152	0.0	
9/08/2017	569		0.1		569	2.4		138	325				1565		3.0	0.2			11.9			0.1	0.1	0.2	0.4	6.5	0.0	5.0	4	201	118	20.3	0.2	3.5	161		12.1
8/11/2017	591		0.1		591	1.2		138	96				1561		2.8	0.2			11.7			0.0	0.1	0.1	0.5	6.6	0.1	5.0	-28	194	118	20.4	0.4	2.1	175		12.9
14/02/2018	592		0.1		592	3.0		135	95				1537		2.7	0.2			11.2			0.1	0.1	0.2	0.5	6.7	0.0	<5	-5	192	120	21.4	0.3	3.4	119		13.0
9/05/2018	597	0.3	0.1	0.0	597	1.5	0.0	135	88	0.0	0.0	0.0	1510	0.0	2.2	0.2	8.1	0.0	11.3	1.8	0.0	0.0	0.1	0.0	0.3	6.6	0.0	3.9	-44	194	114	20.5	0.3	2.2	165	0.0	13.0
15/08/2018	583		0.1		583	3.3		143	88				1496		2.5	0.2			11.6			0.0	0.1	0.0	0.4	6.7	0.0	4.2	-7	206	118	20.3	0.4	3.8	127		12.2
14/11/2018	597		0.2		597	1.2		139	90				1477		3.4	0.2			11.5			0.0	0.1	0.1	0.5	6.8	0.1	4.2	-52	197	116	20.9	0.5	2.3	136		13.4
13/02/2019	575		0.2		575	1.0		146	110				1504		2.6	0.2			11.5			0.0	0.1	0.0	0.5	6.7	0.0	4.2	-49	199	111	21.3	0.4	2.3	142		13.5
15/05/2019	572	0.5	0.3	0.0	572	1.5	0.0	142	92	0.0	0.0	0.0	1478	0.0	3.0	0.2	8.4	0.0	12.0	1.9	0.0	0.0	0.1	0.1	0.6	6.7	0.0	4.7	-47	205	116	20.5	0.5	2.2	140	0.0	14.0
14/08/2019	557		0.2		557	1.0		141	84				1468		3.2	0.2			12.0			0.1	0.0	0.2	0.5	6.8	0.0	4.7	78	196	110	20.2	0.3	2.5	120		14.0
13/11/2019	590		0.1		590	1.0		138	89				1518		2.8	0.2			12.0			0.0	0.1	0.1	0.4	6.7	0.0	4.4	-20	191	106	20.8	0.3	2.1	140		14.0
26/02/2020	591.0		0.1		591.0	1.0		129.0	95.0				1484.0		3.1	0.2			11.0			0.0	0.1	0.1	0.5	6.7	0.0	3.9	-32.3	176.0	88.0	21.0	0.4	2.1	120.0		13.0
13/05/2020	582.0	0.4	0.1	0.0	582.0	1.2	0.0	131.0	90.0	0.0	0.0	0.0	1502.0	0.0	2.7	0.3	7.1	0.0	11.0	1.8	0.0	0.1	0.1	0.1	0.5	6.6	0.0	3.7	-56.0	180.0	97.0	20.4	0.3	1.9	130.0	0.0	12.8
12/08/2020	582.0		0.1		582.0	1.8		132.0	80.0				1432.0		3.2	0.3			11.0			0.0	0.1	0.1	0.5	6.7	0.1	3.8	-40.2	179.0	92.0	20.4	0.4	2.0	130.0		11.0
11/11/2020	568.0		0.2		568.0	2.4		126.0	90.0				1444.0		3.1	0.3																					

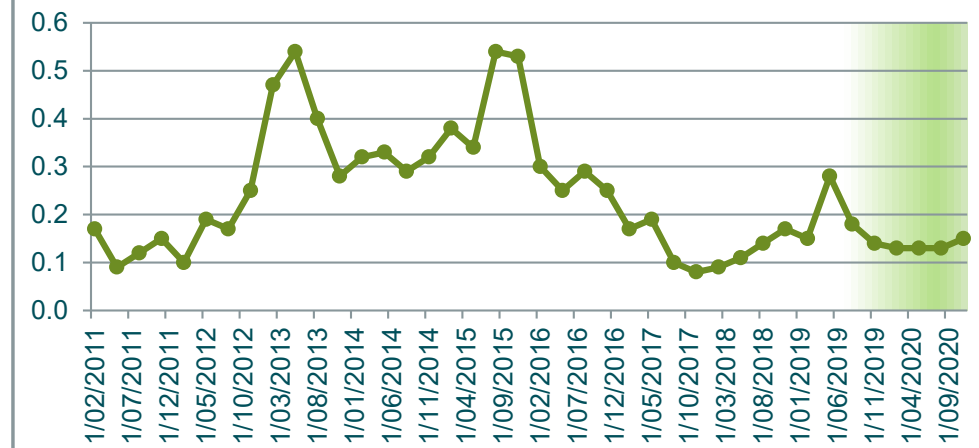
Alkalinity
mg/L as CaCO₃



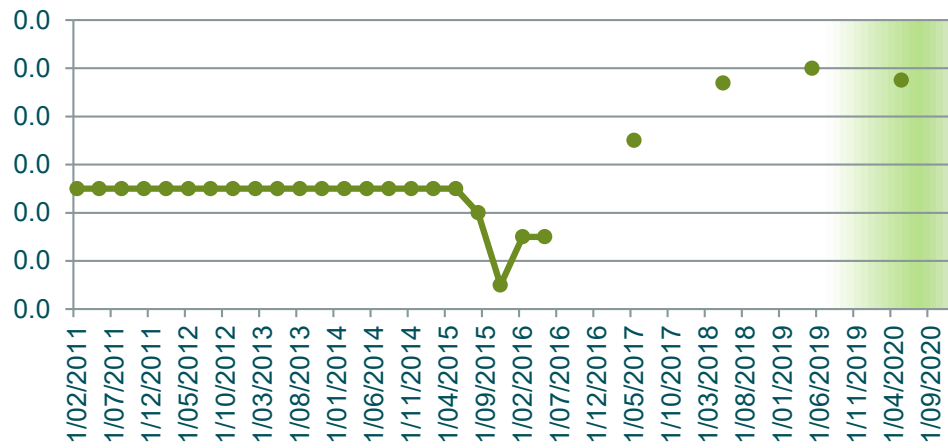
Aluminium (Total)
mg/L



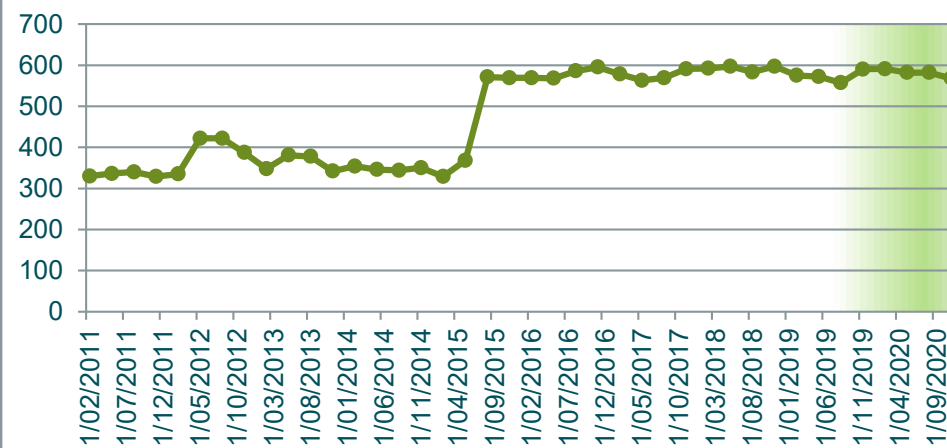
Ammonia
mg/L



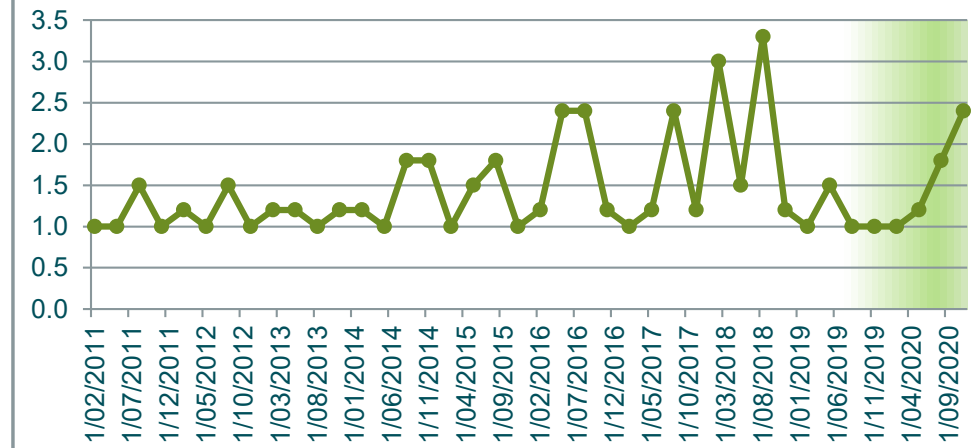
Arsenic (Total)
mg/L



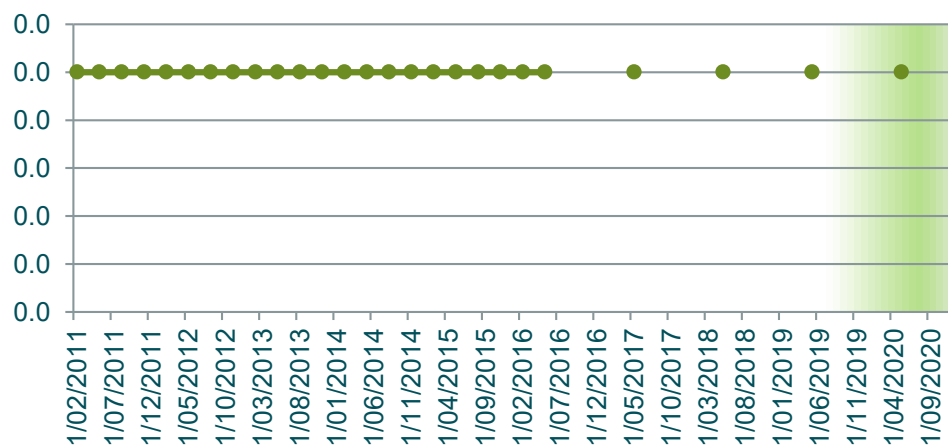
Bicarbonate HCO₃
mg/L



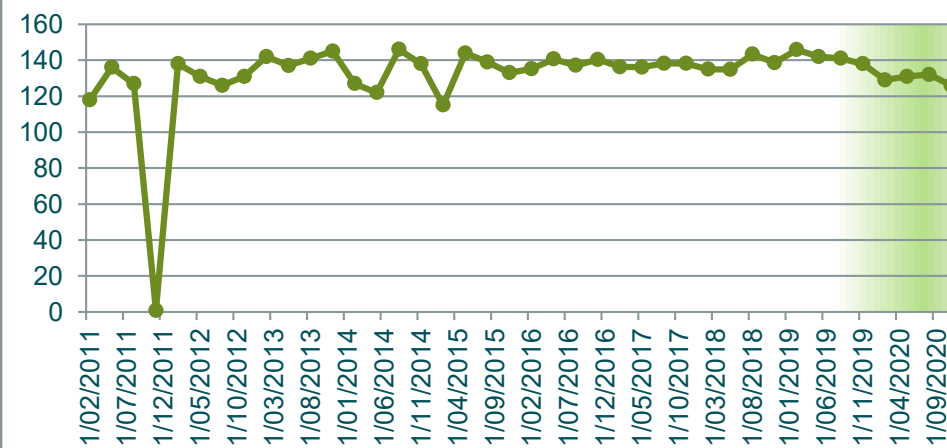
BOD₅
mg/L



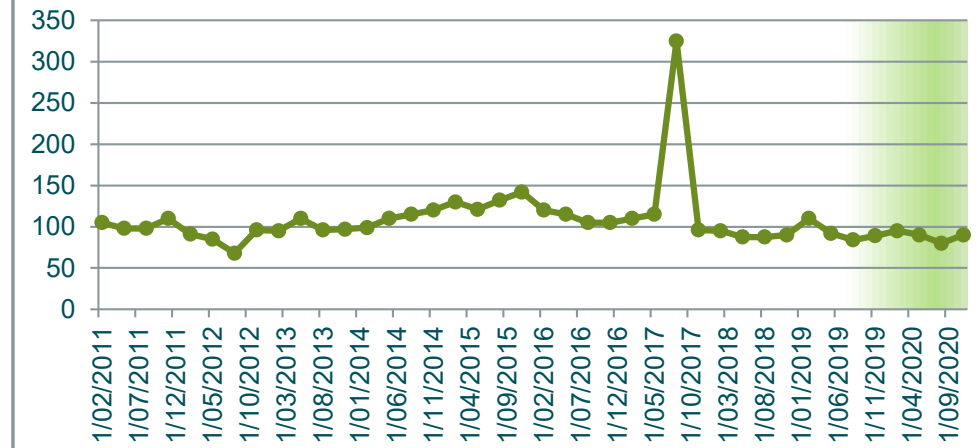
Cadmium (Total)
mg/L



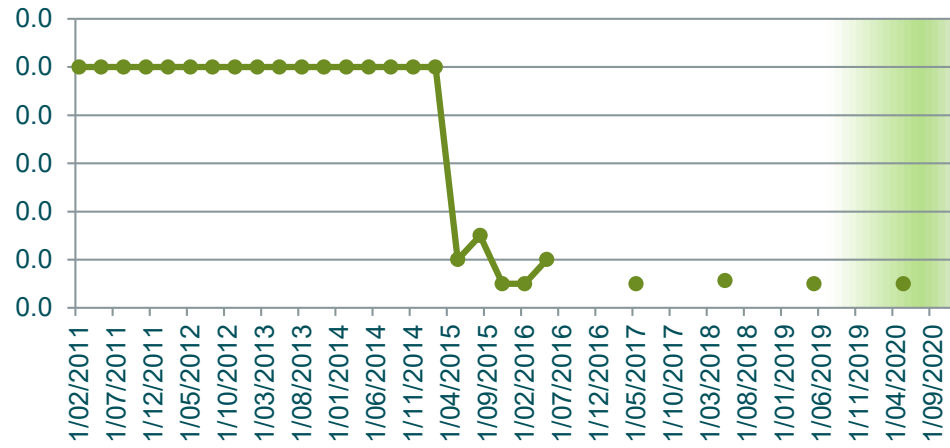
Calcium (Total)
mg/L



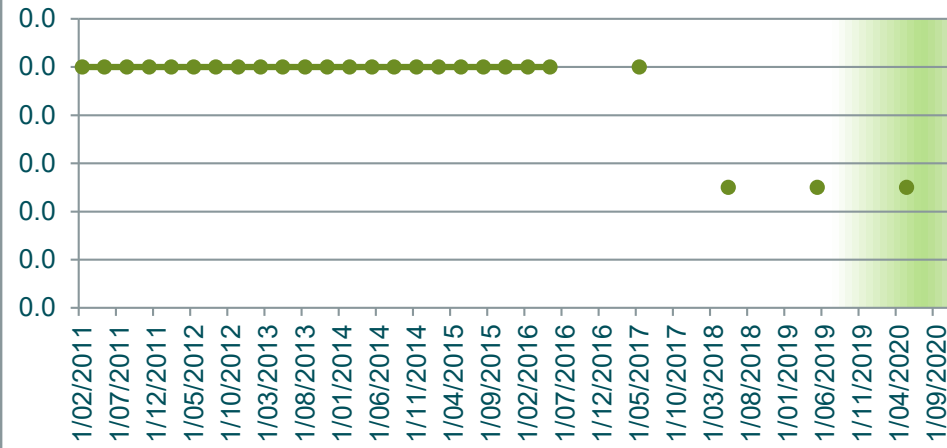
Chloride
mg/L



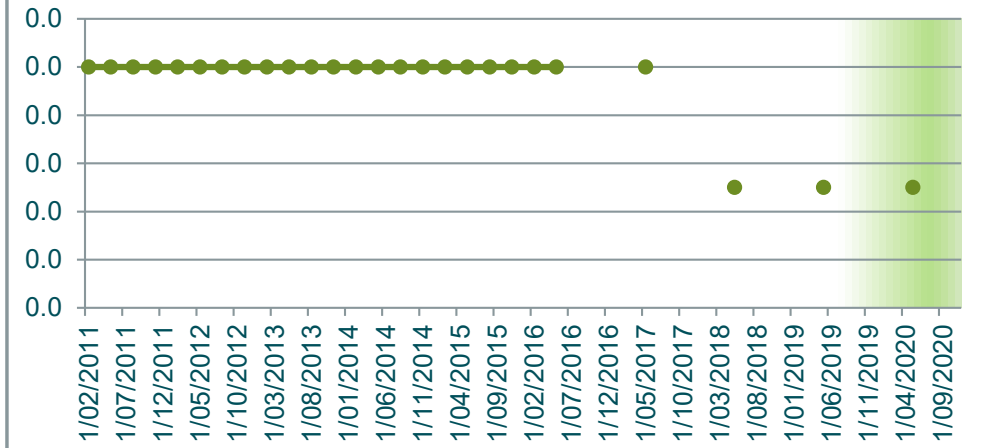
Chromium (Total) mg/L



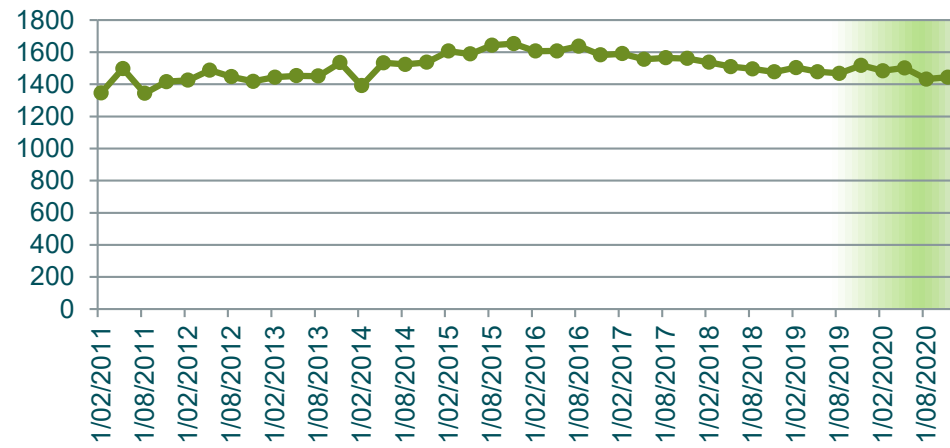
Chromium 3 mg/L



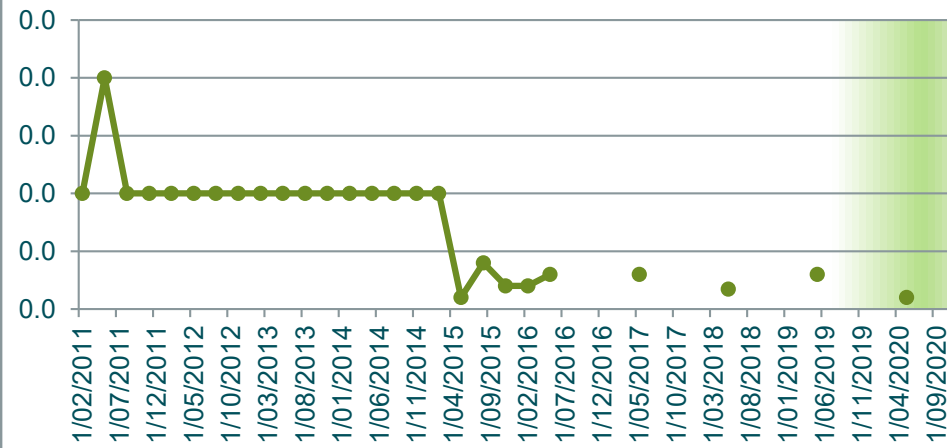
Chromium 6 mg/L



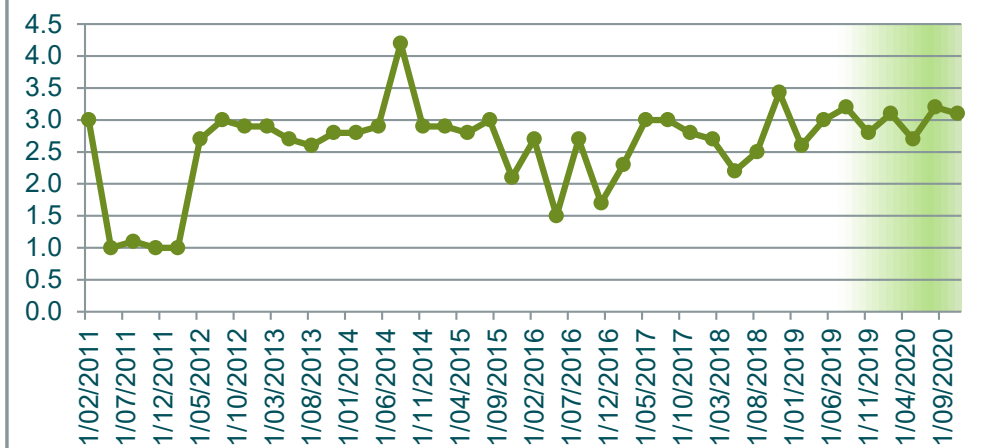
Conductivity µScm-1



Copper (Total) mg/L



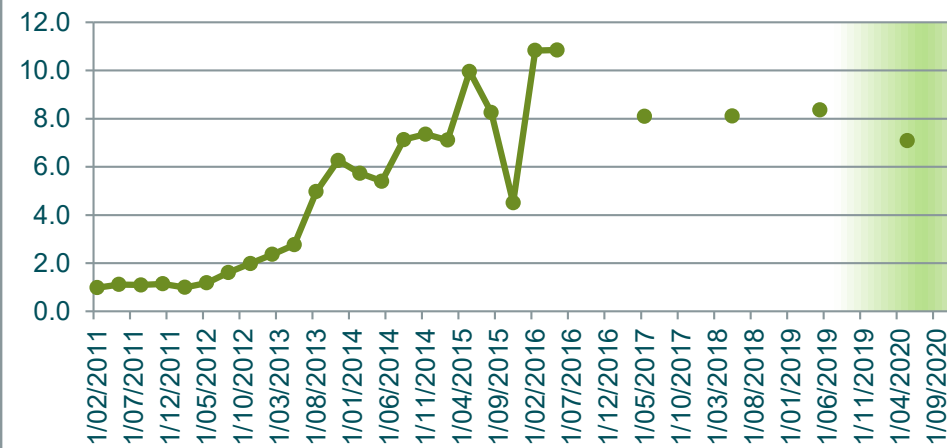
DO (Membrane Electrode) mg/L



Flouride mg/L



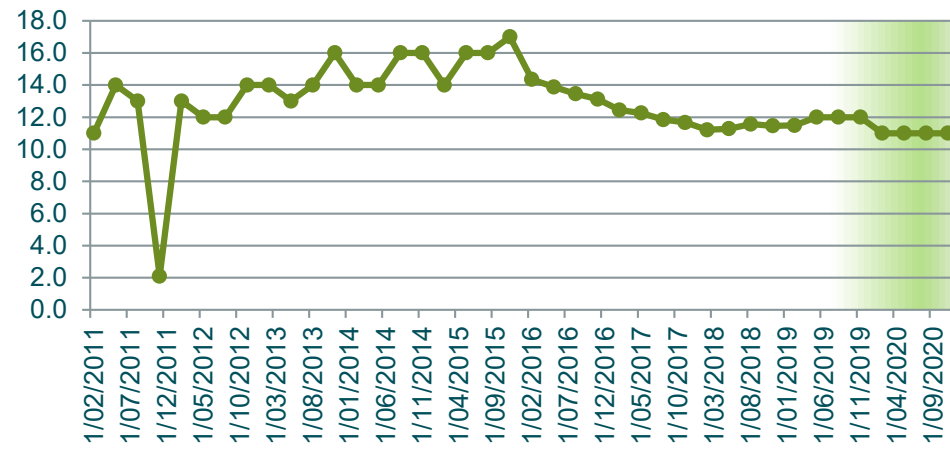
Iron Total mg/L



Lead (Total) mg/L



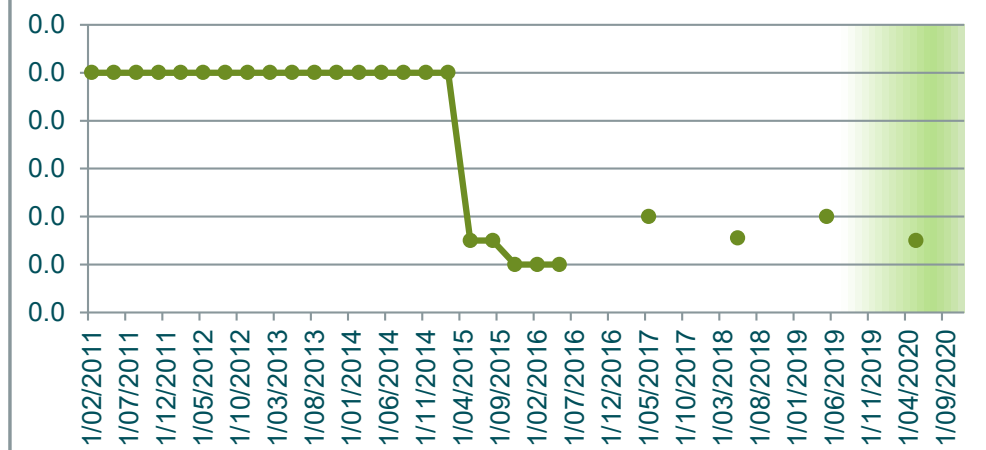
Magnesium (Total) mg/L



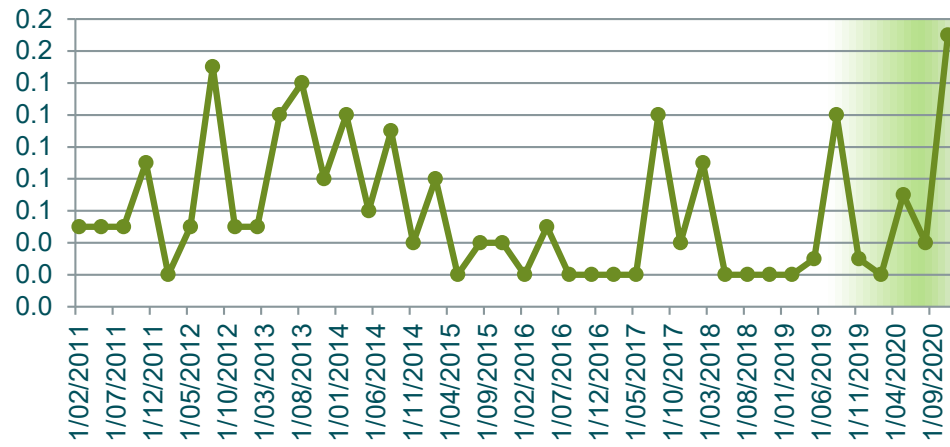
Manganese Total mg/L



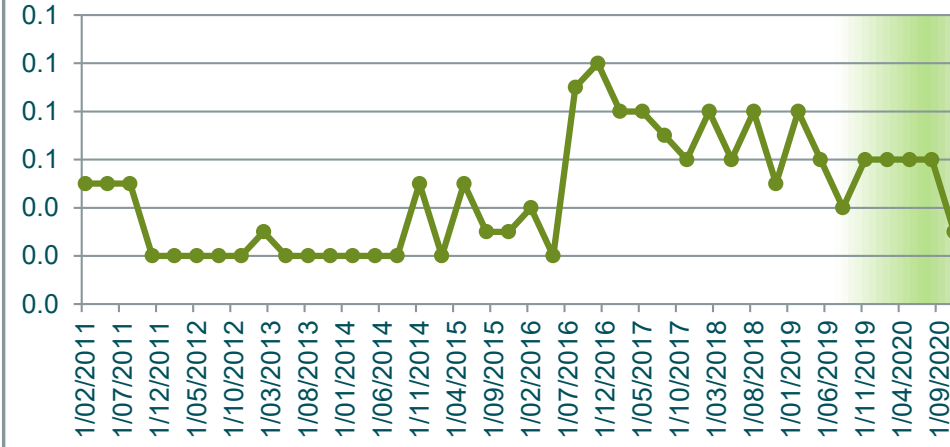
Nickel (Total) mg/L



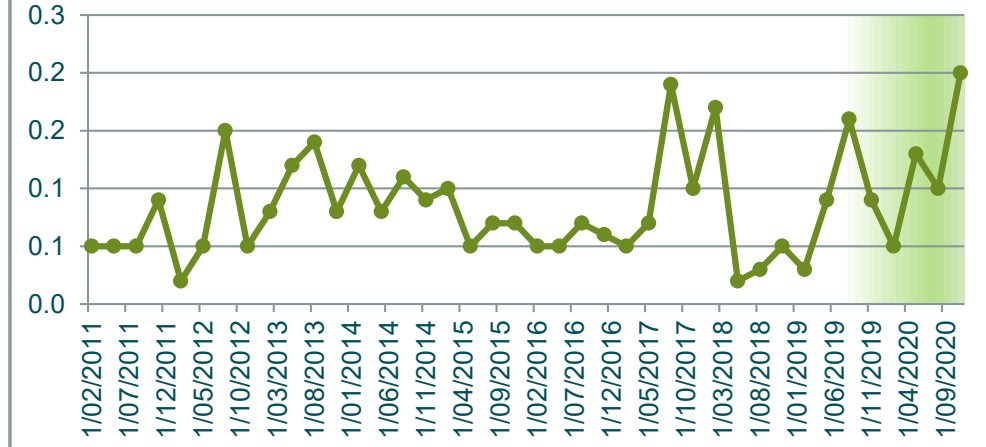
Nitrate N mg/L



Nitrite N mg/L



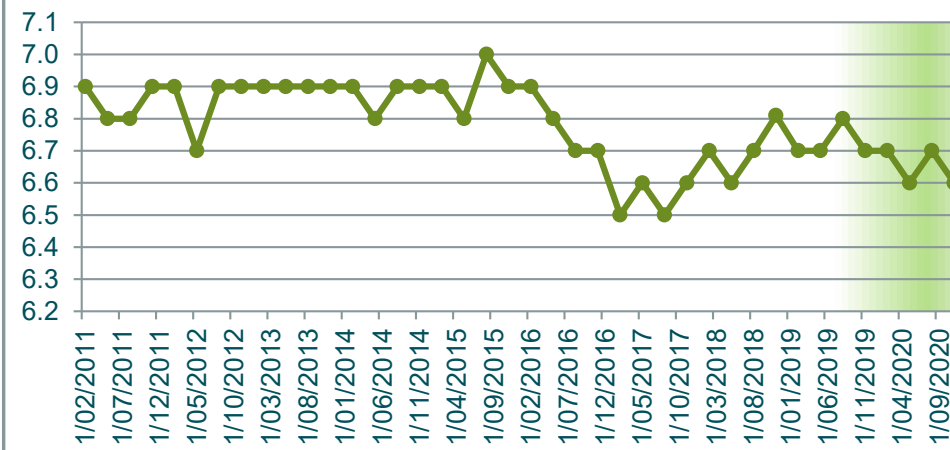
Nitrogen Oxidised mg/L



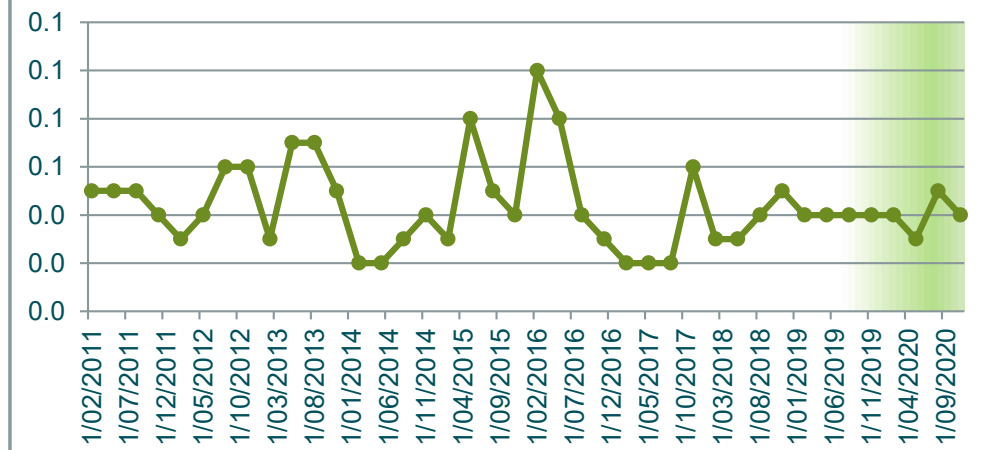
Nitrogen Total mg/L



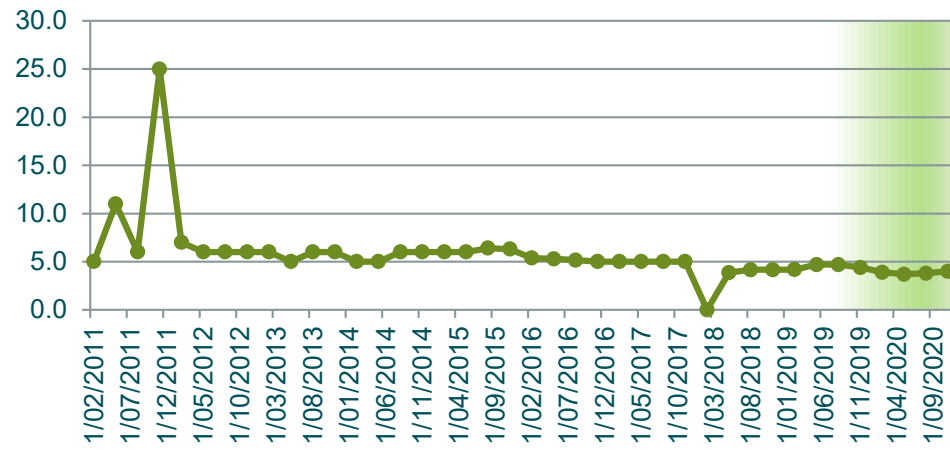
pH pH units



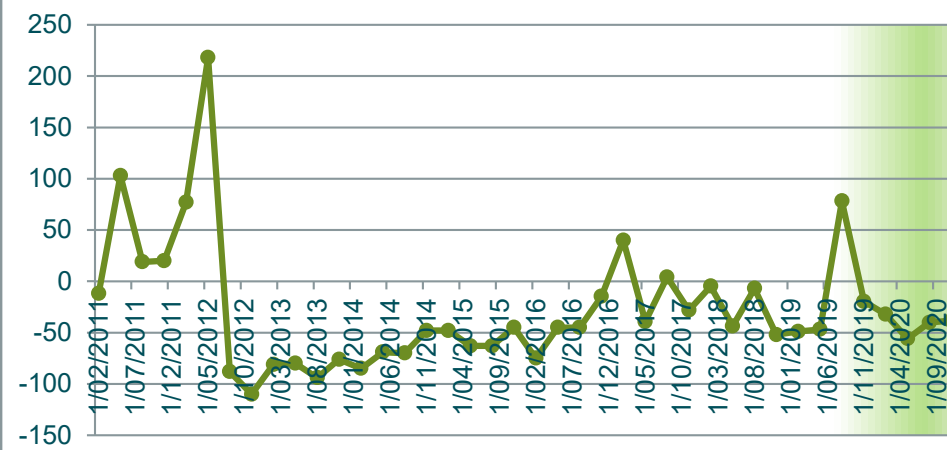
Phosphorus Total mg/L



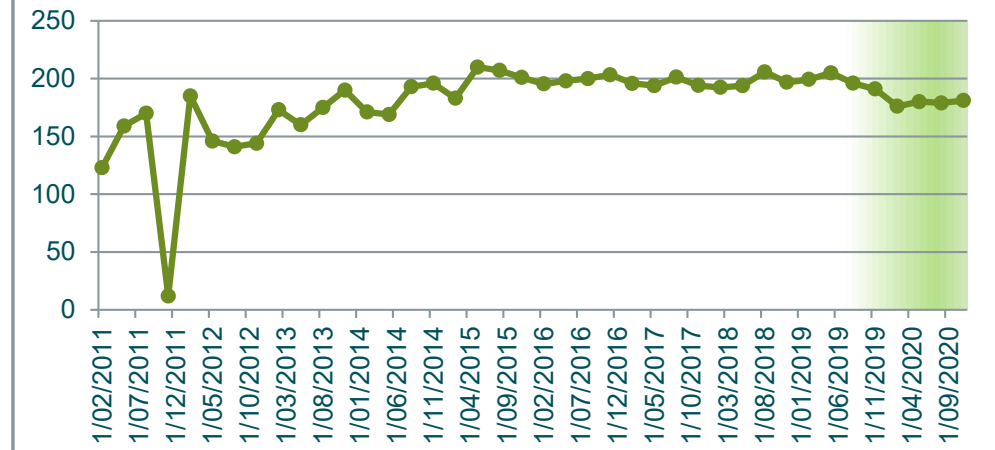
**Potassium Total
mg/L**



**Redox Potential
mV**



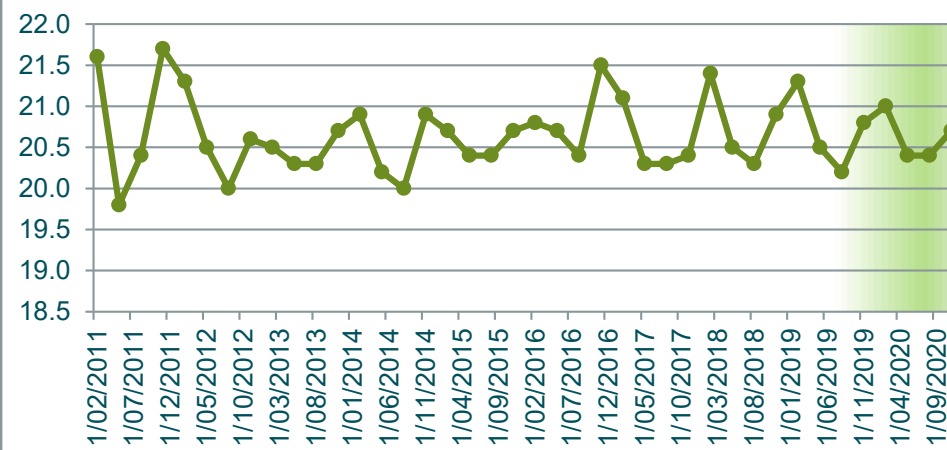
**Sodium (Total)
mg/L**



**Sulphate
mg/L**



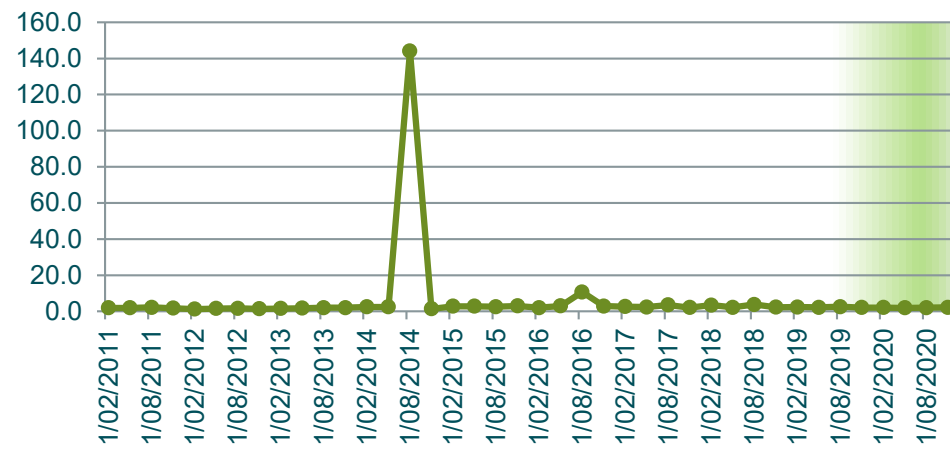
**Temperature
C**



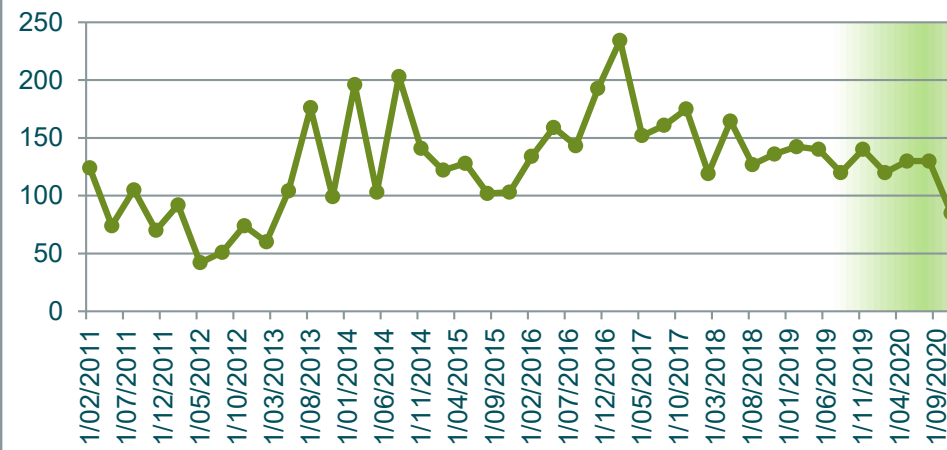
**TKN
mg/L**



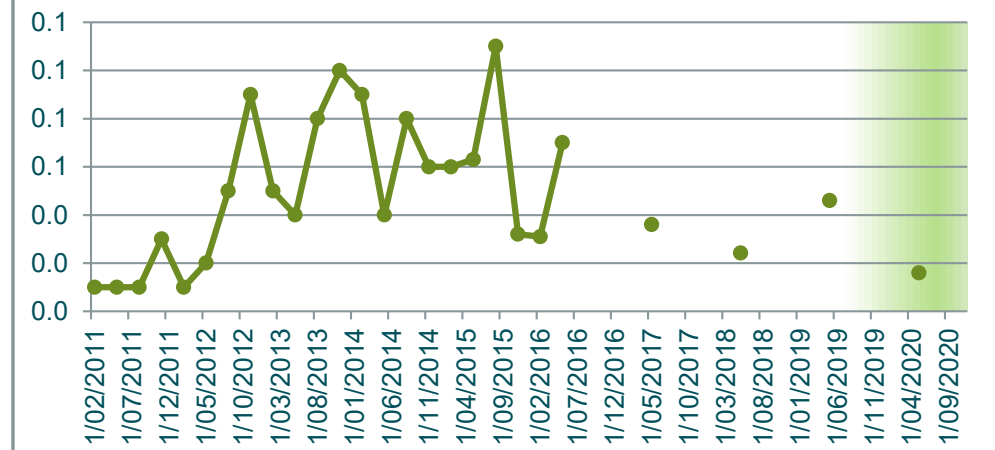
**TOC
mg/L**



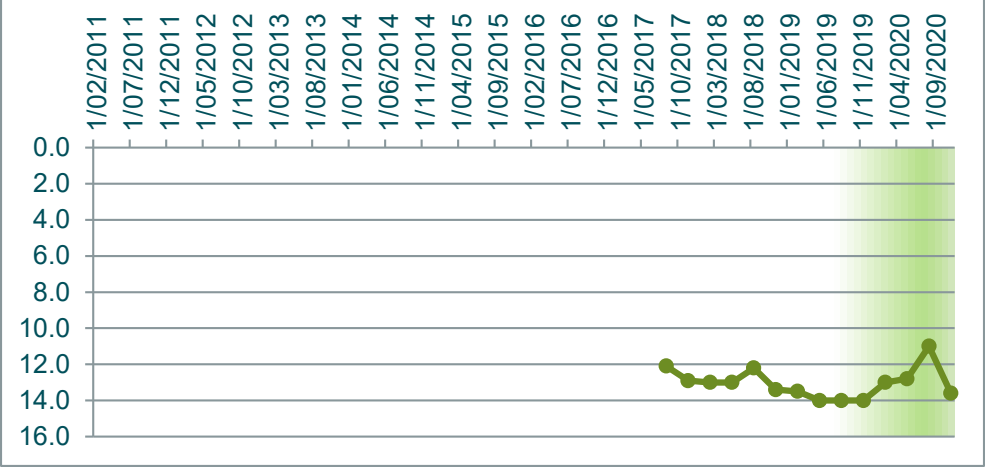
**Total Acidity
mg/L CaCO3**



**Zinc (Total)
mg/L**



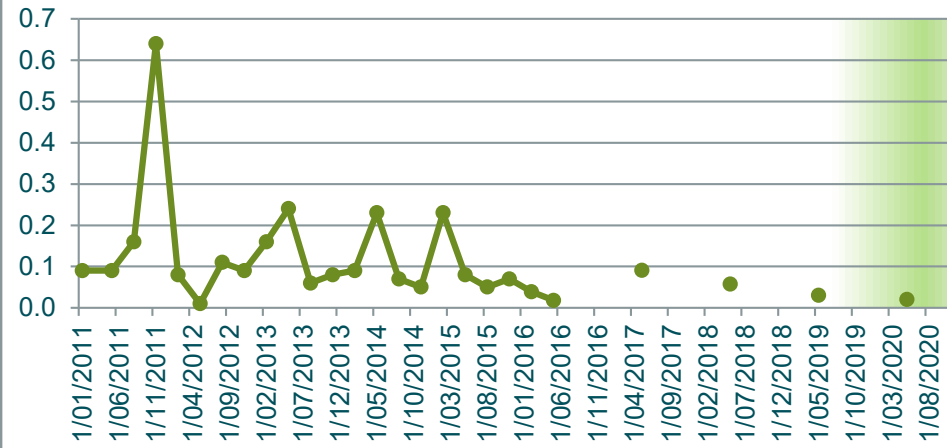
Depth to Groundwater m



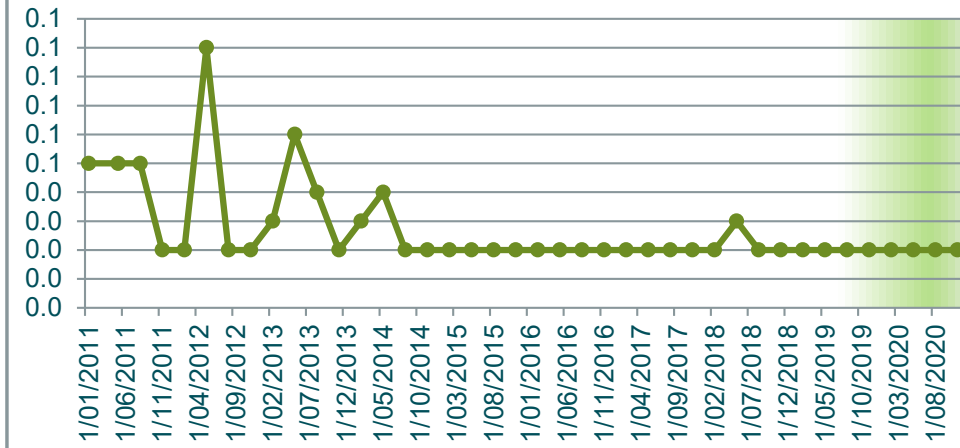
**Alkalinity
mg/L as CaCO3**



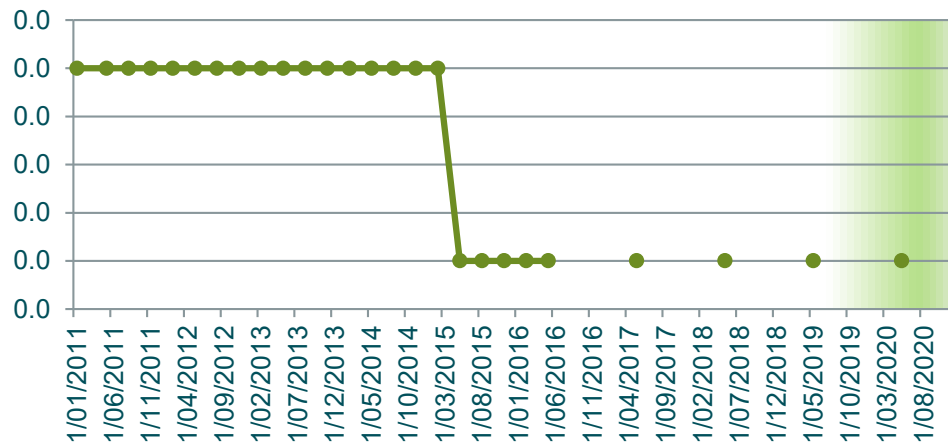
**Aluminium (Total)
mg/L**



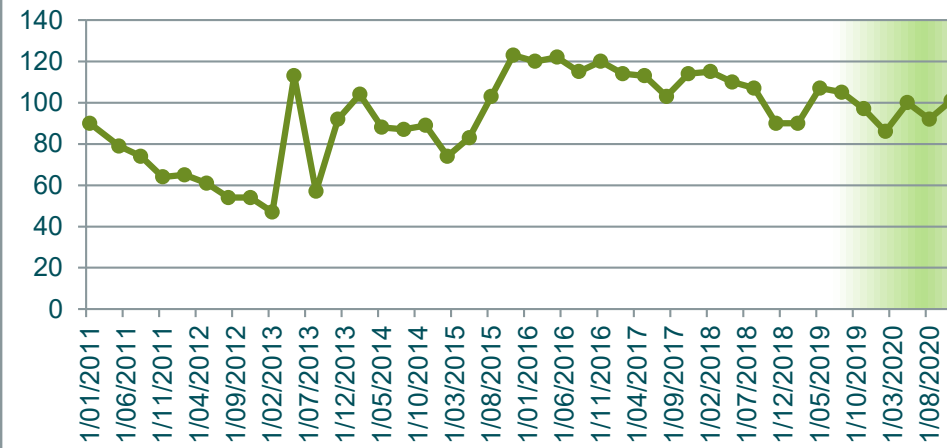
**Ammonia
mg/L**



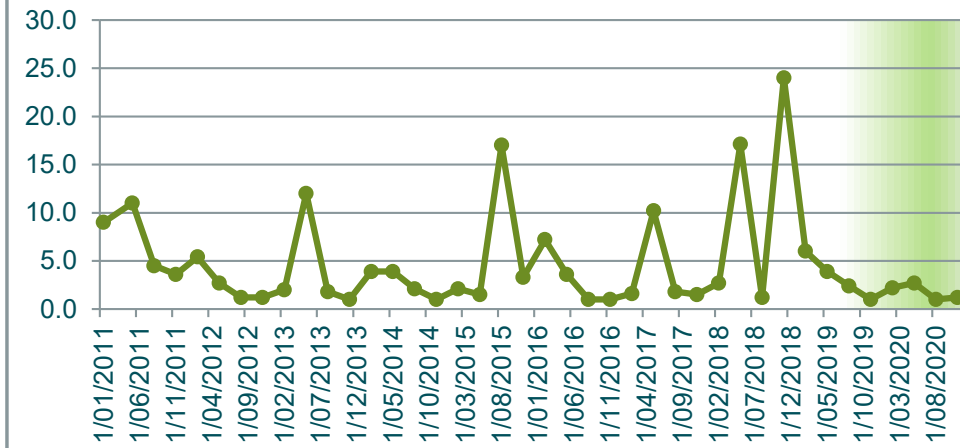
**Arsenic (Total)
mg/L**



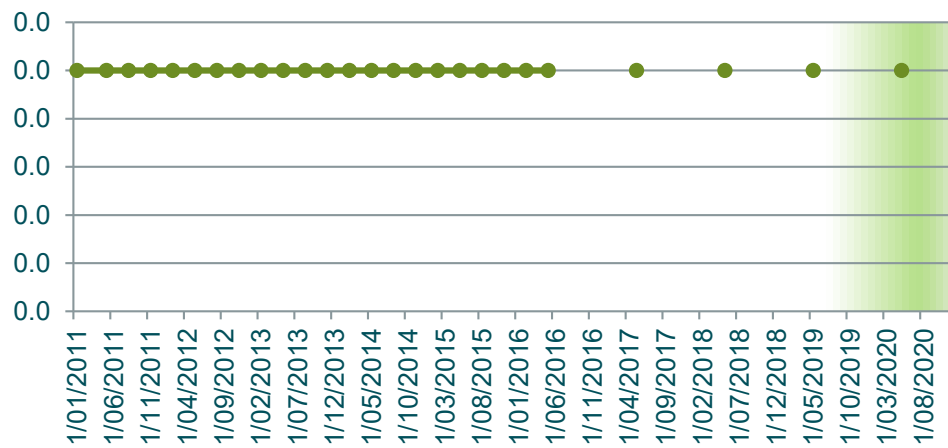
**Bicarbonate HCO3
mg/L**



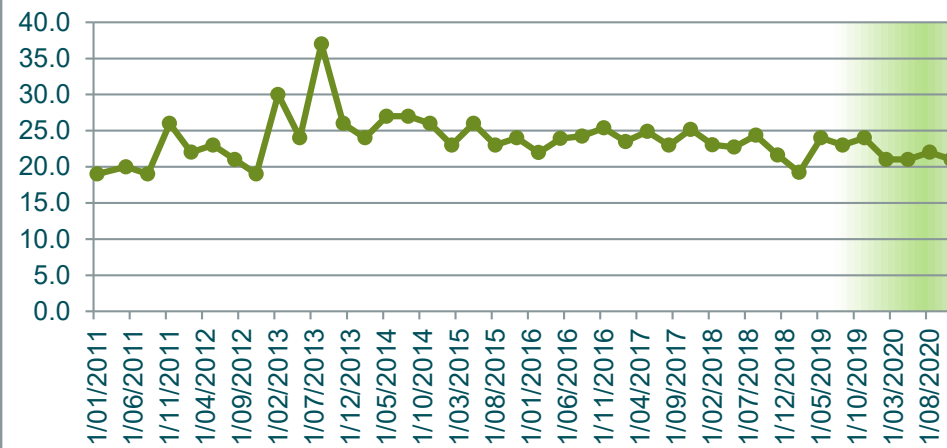
**BOD5
mg/L**



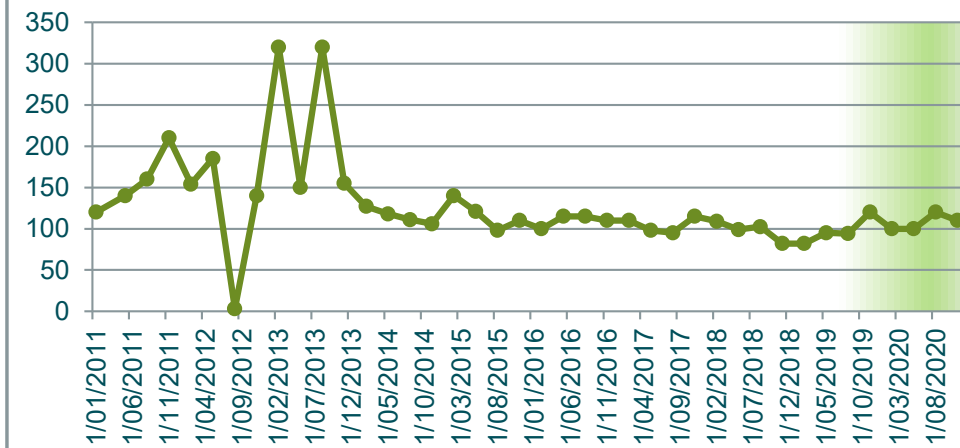
**Cadmium (Total)
mg/L**



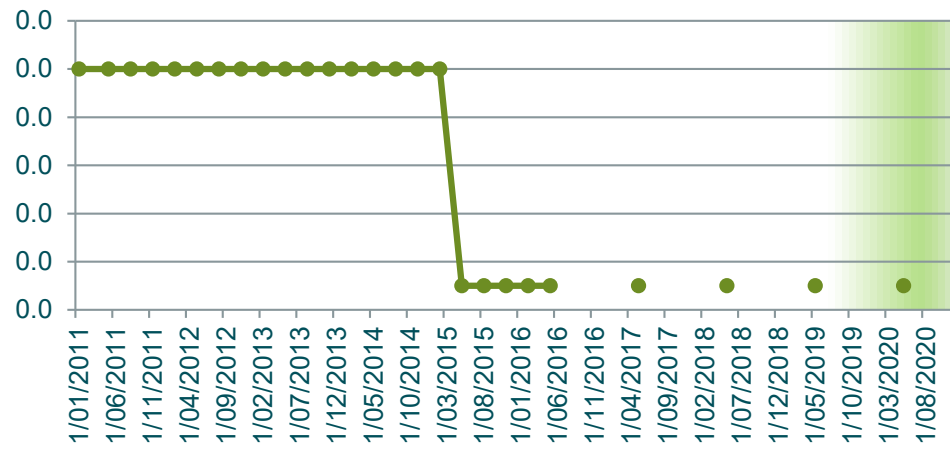
**Calcium (Total)
mg/L**



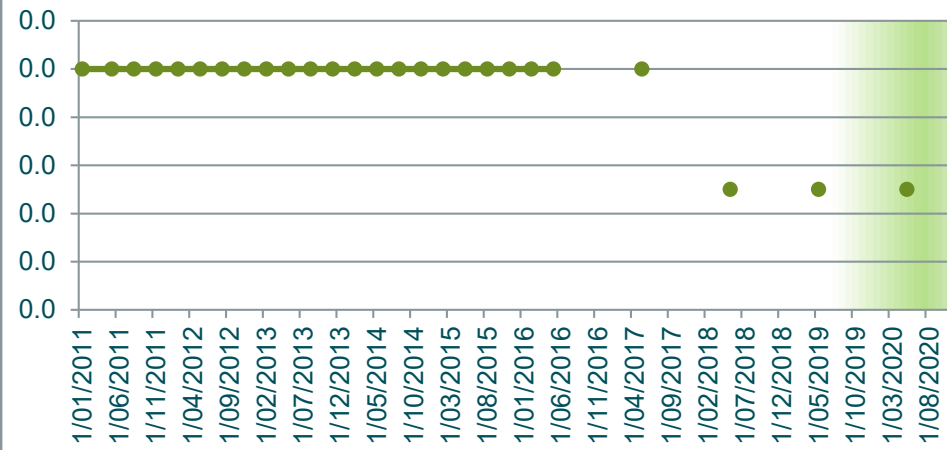
**Chloride
mg/L**



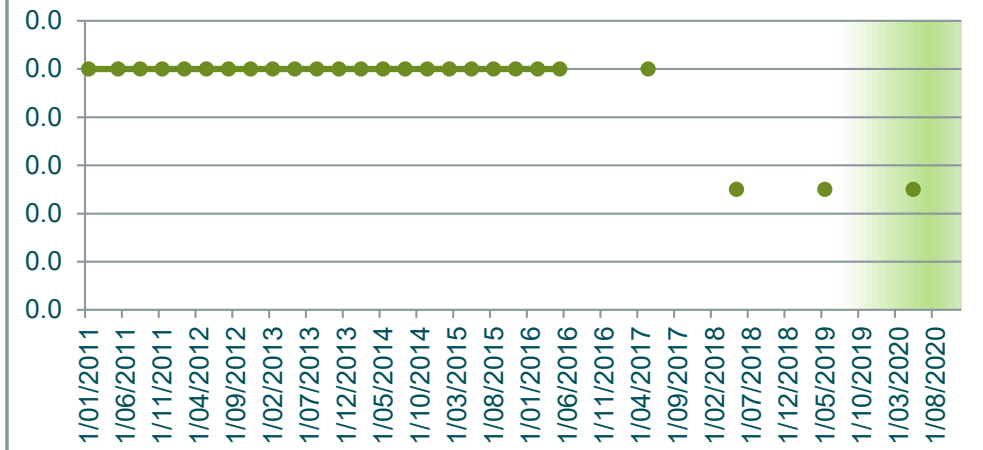
**Chromium (Total)
mg/L**



**Chromium 3
mg/L**



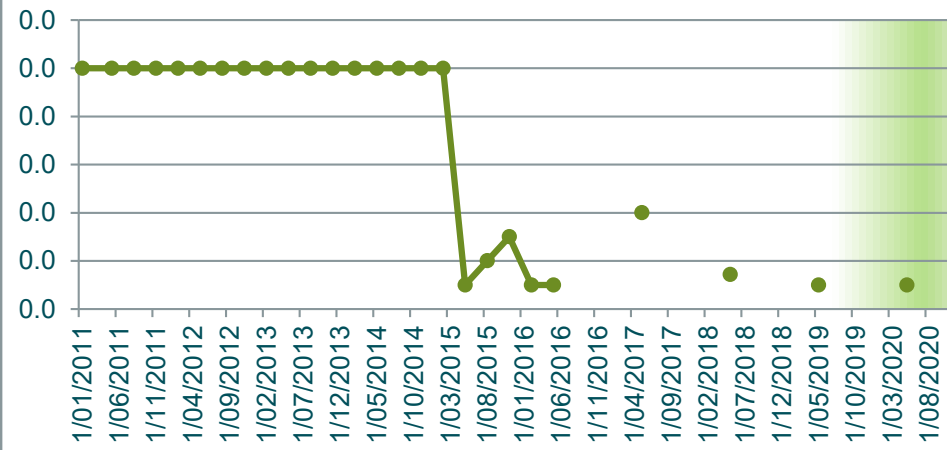
**Chromium 6
mg/L**



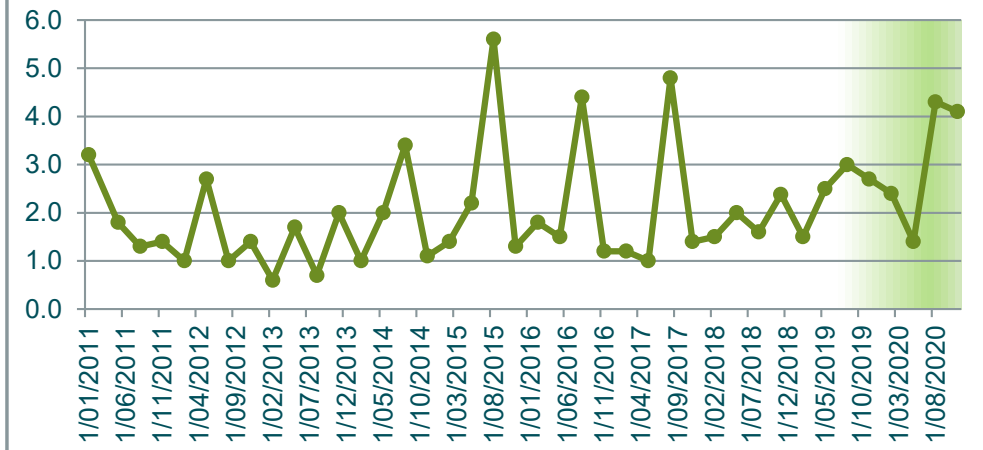
**Conductivity
µScm-1**



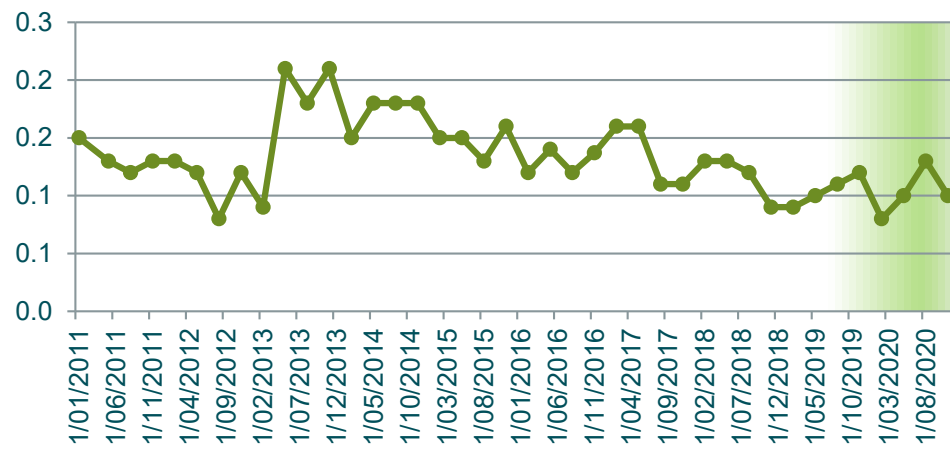
**Copper (Total)
mg/L**



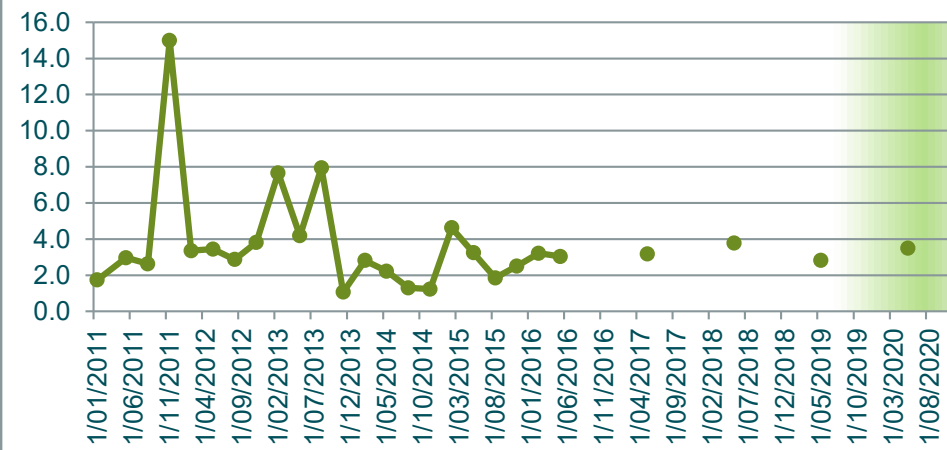
**DO (Membrane Electrode)
mg/L**



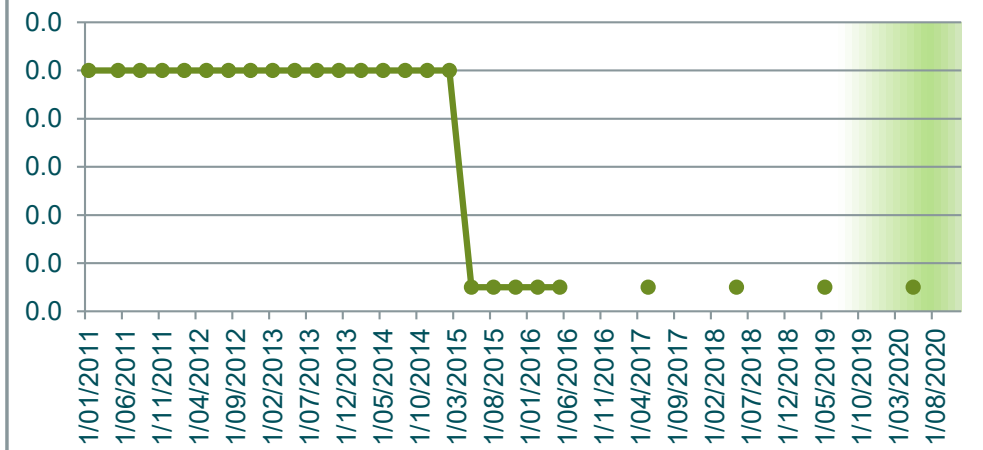
**Flouride
mg/L**



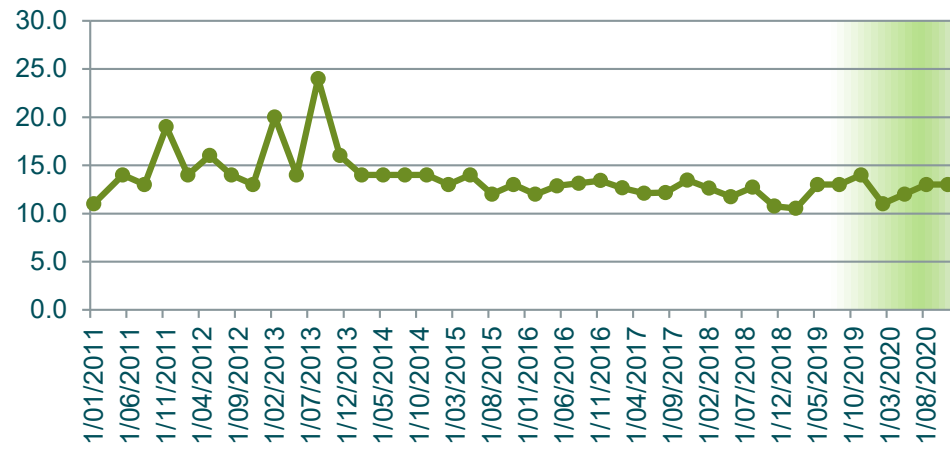
**Iron Total
mg/L**



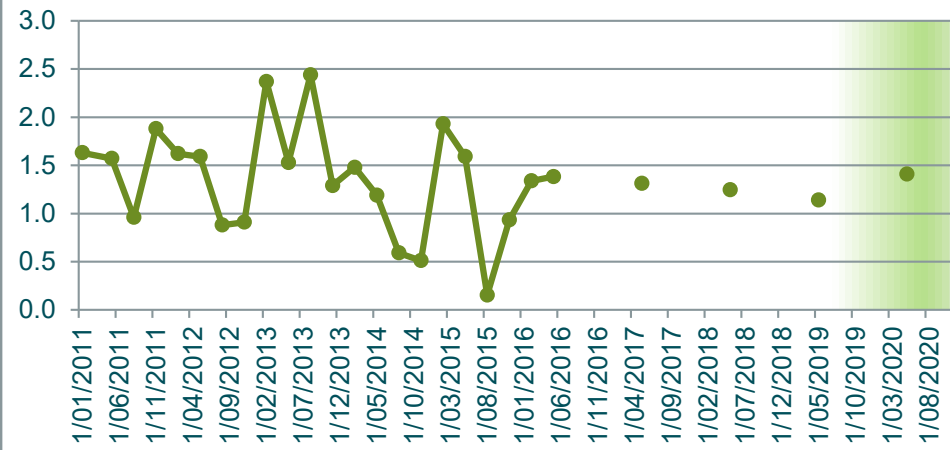
**Lead (Total)
mg/L**



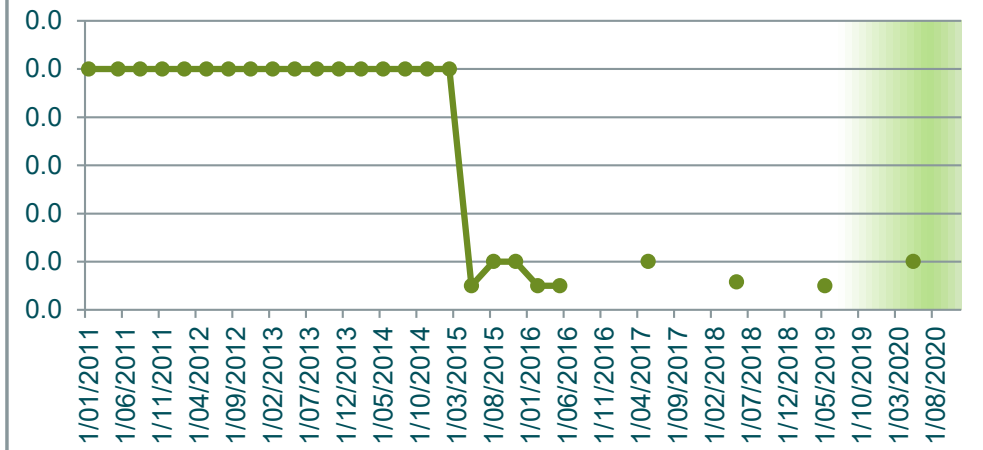
Magnesium (Total) mg/L



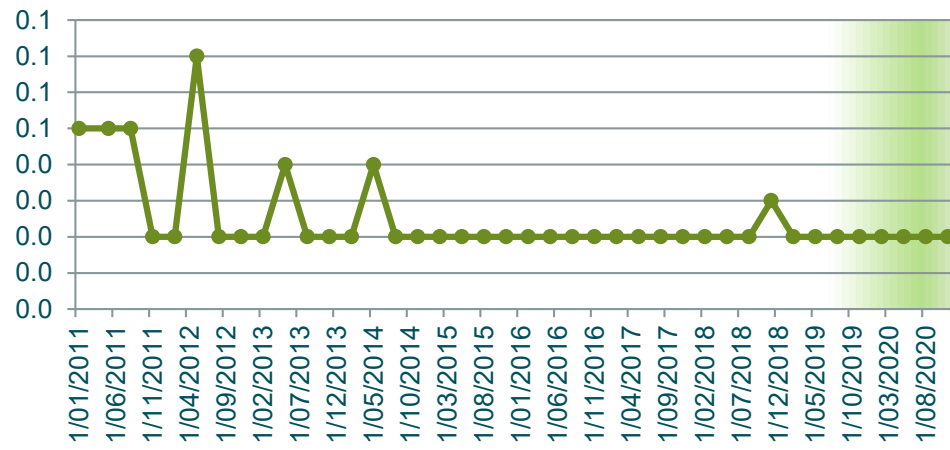
Manganese Total mg/L



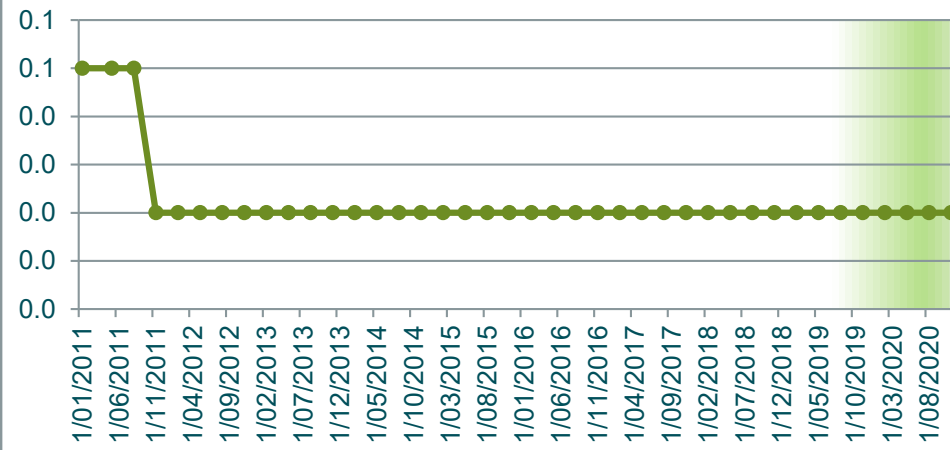
Nickel (Total) mg/L



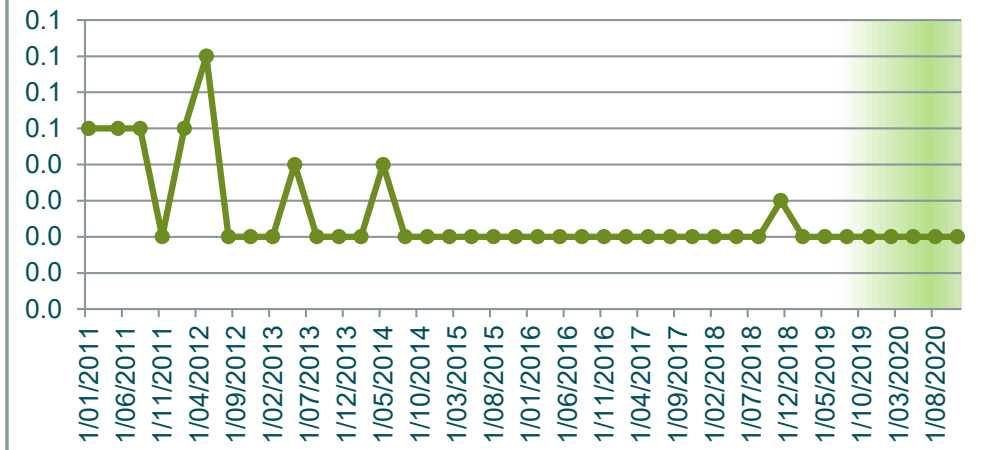
Nitrate N mg/L



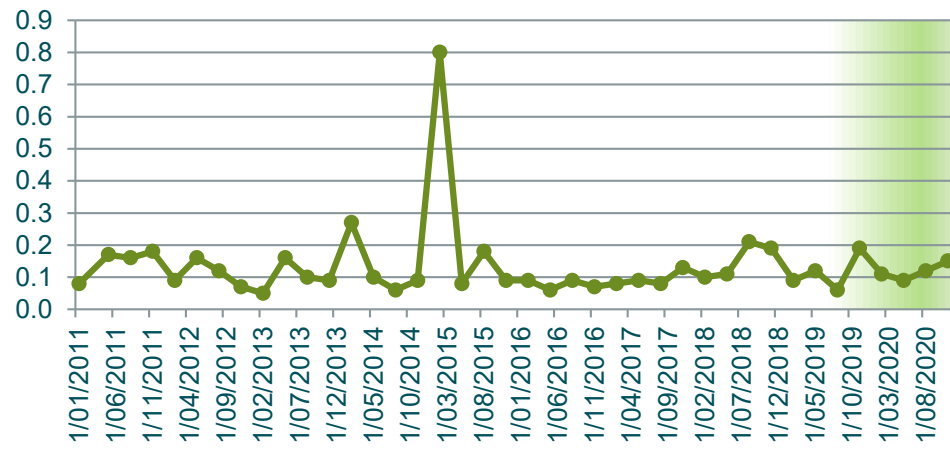
Nitrite N mg/L



Nitrogen Oxidised mg/L



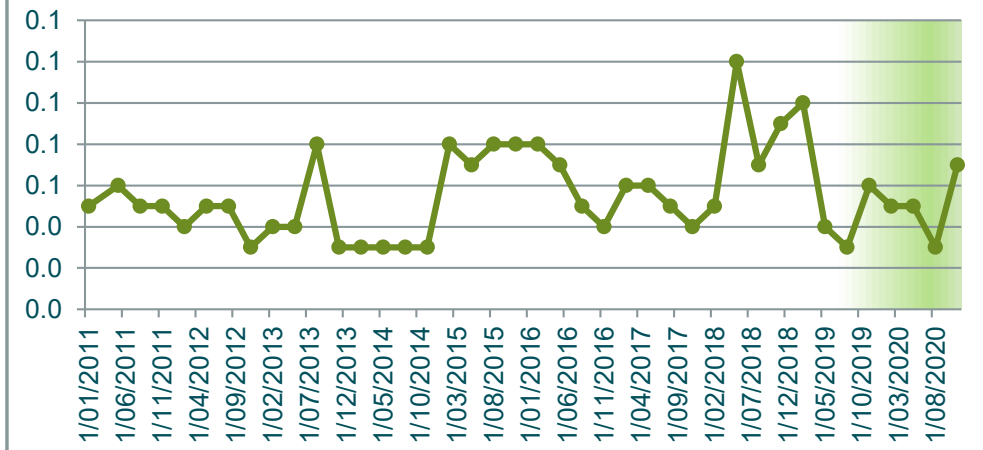
Nitrogen Total mg/L



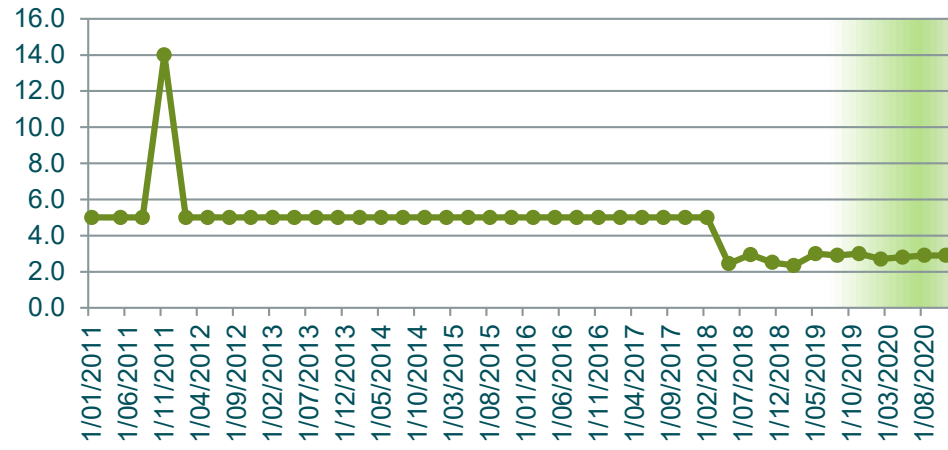
pH pH units



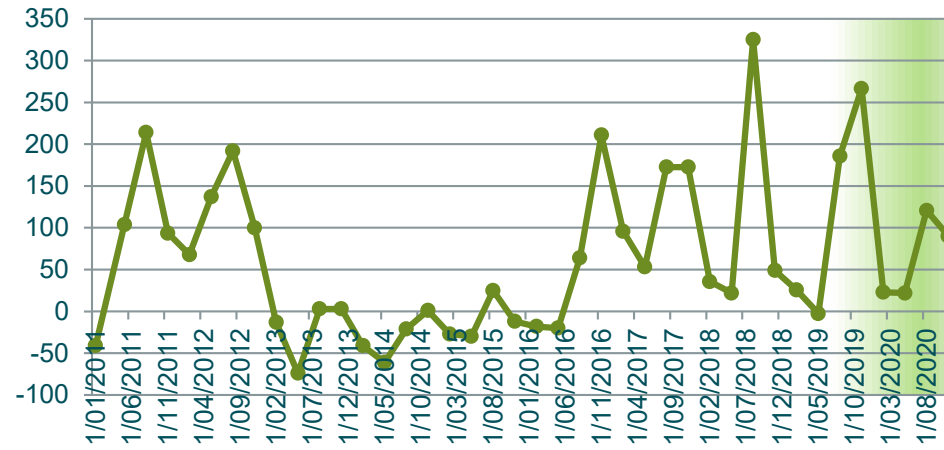
Phosphorus Total mg/L



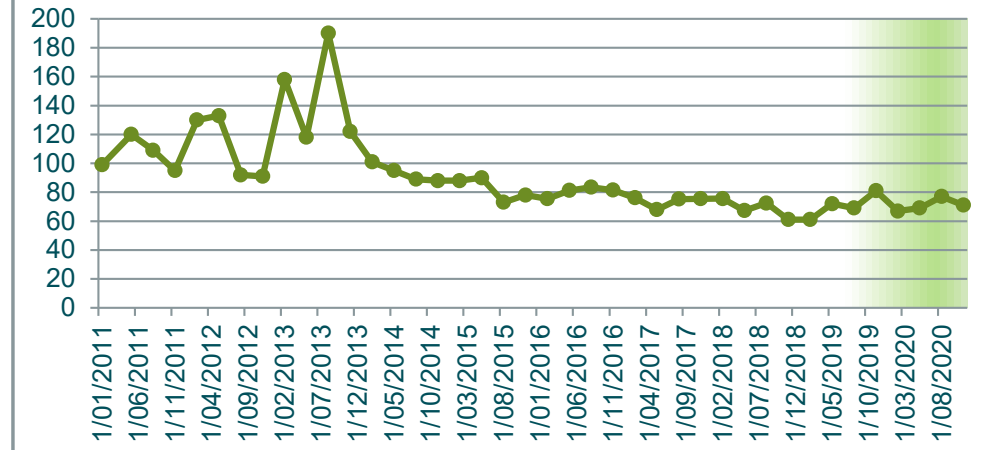
Potassium Total mg/L



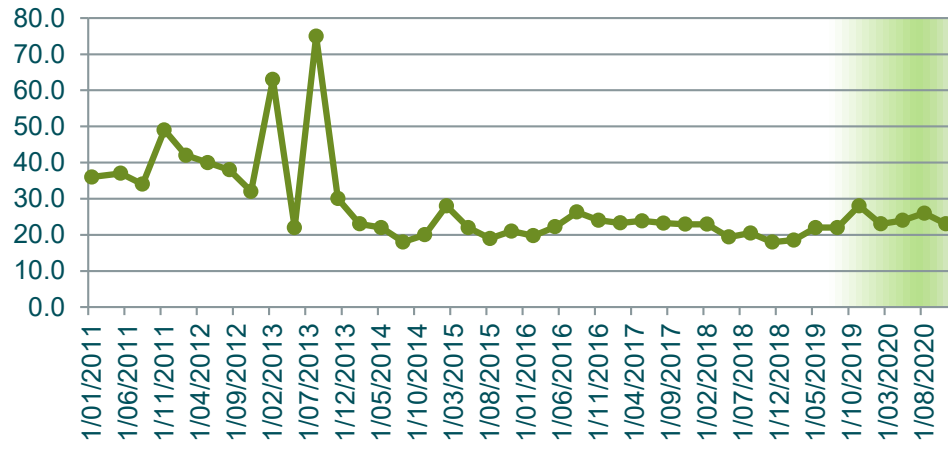
Redox Potential mV



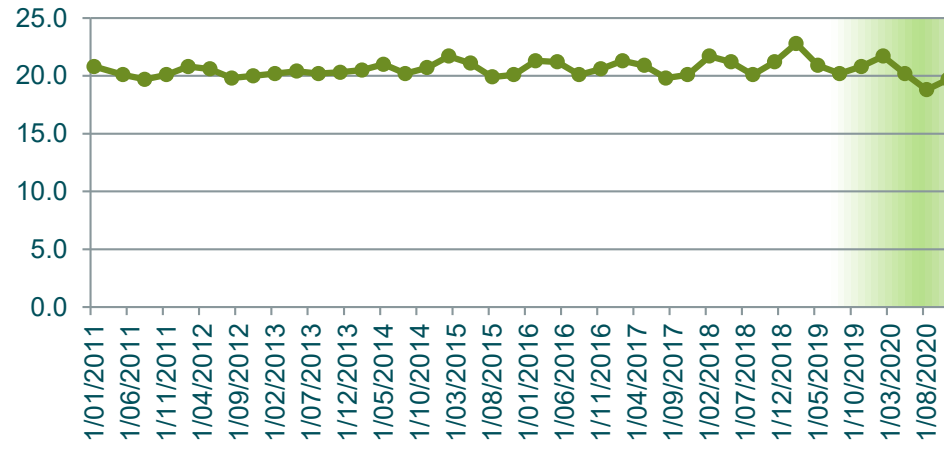
Sodium (Total) mg/L



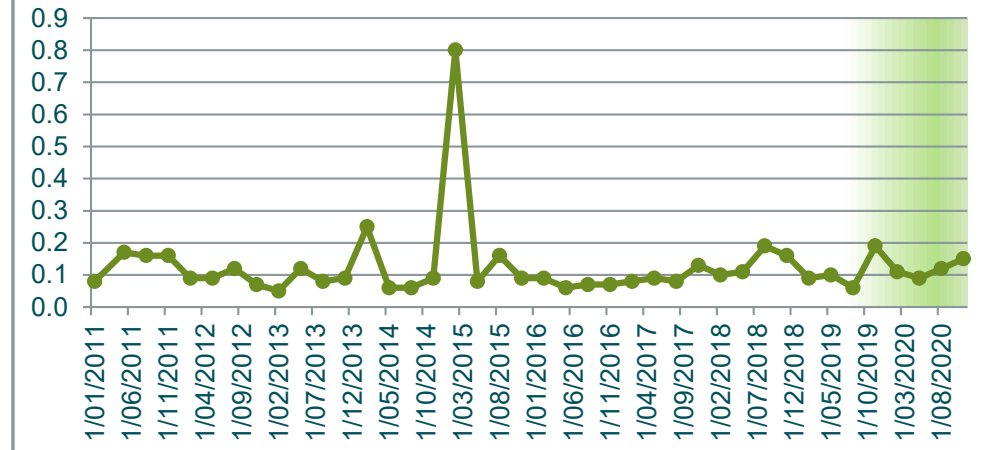
Sulphate mg/L



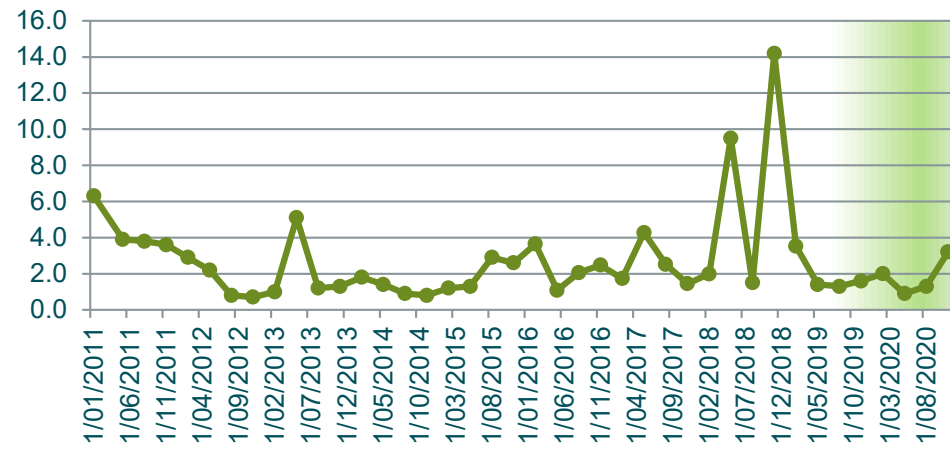
Temperature C



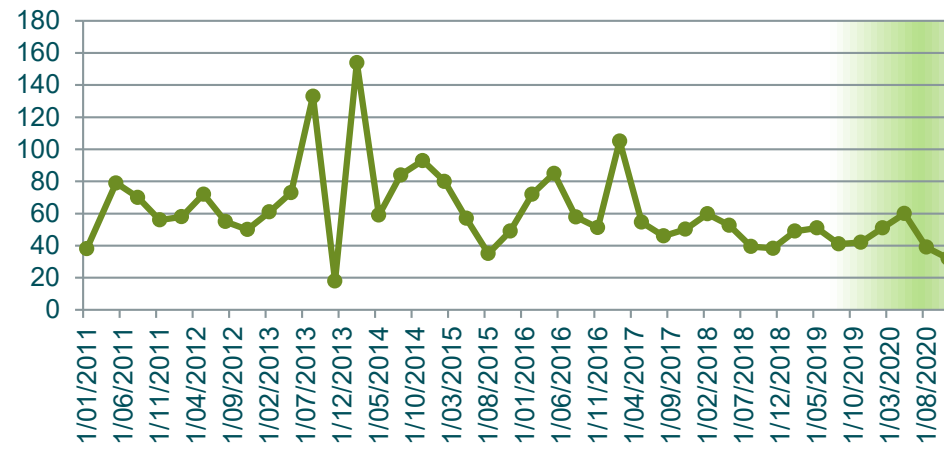
TKN mg/L



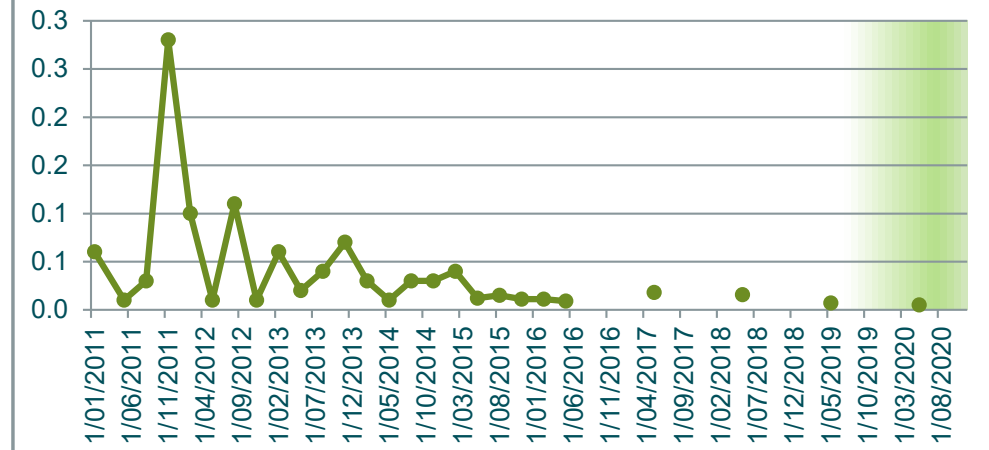
TOC mg/L



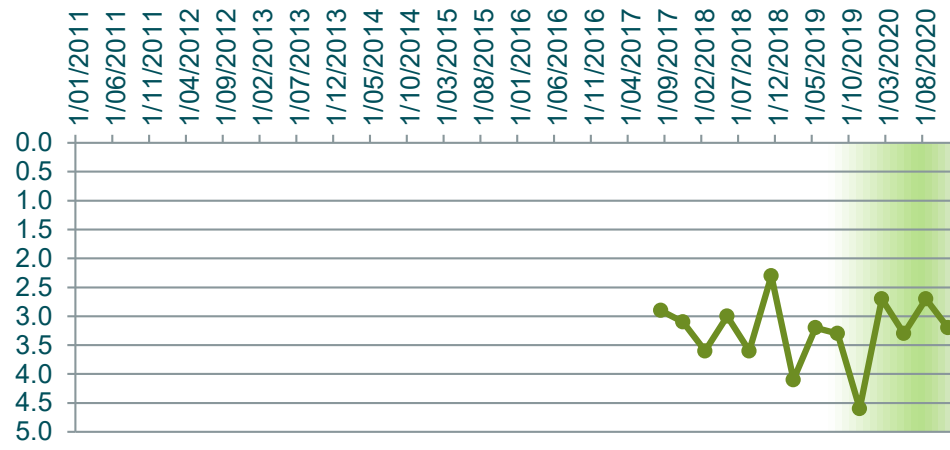
Total Acidity mg/L CaCO3



Zinc (Total) mg/L

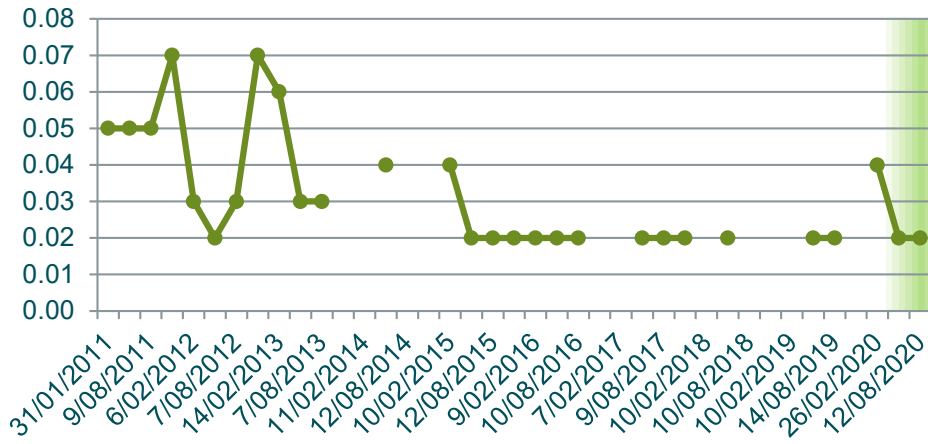


Depth to Groundwater m

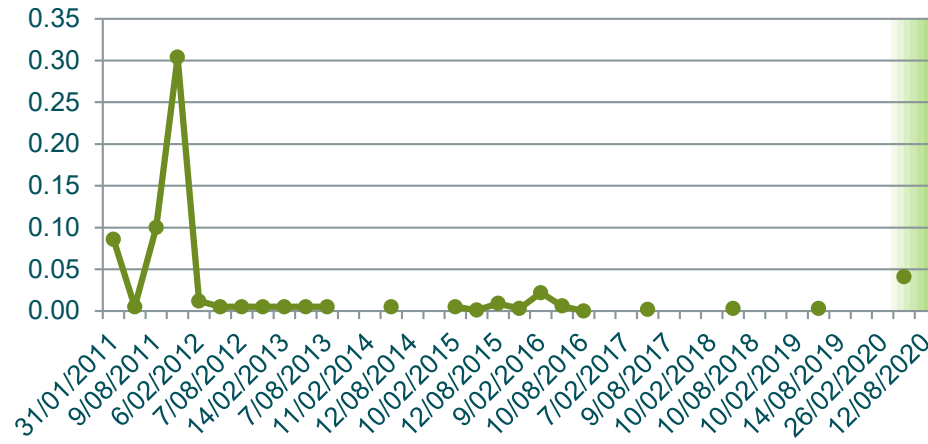


SW1	Alkalinity mg/L as CaCO3	Ammonia mg/L	Arsenic (Total) mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	Orthophosphate mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Solids Suspended mg/L	Sulphate mg/L	TKN mg/L	TOC mg/L	Zinc (Total) mg/L		
31/01/2011	31.00	0.05	0.09	21.00	0.00	3.40	44.00	0.01	120.00	0.01	1.00	0.01	1.60	3.30	0.01	0.05	0.05	0.05	0.82	0.05	6.40	0.07	5.00	-13.00	13.00	1237.00	1.70	0.82	5.30	0.01		
10/05/2011	22.00	0.05	0.01	3.60	0.00	4.50	25.00	0.01	150.00	0.01	5.60	0.01	1.90	4.01	0.01	0.05	0.05	0.05	0.94	0.05	6.40	0.10	5.00	196.00	16.00	89.00	2.50	0.94	2.70	0.01		
9/08/2011	77.00	0.05	0.10	18.00	0.00	13.00	44.00	0.02	265.00	0.07	3.60	0.01	4.00	74.00	0.02	0.05	0.05	0.05	9.98	0.05	6.70	0.58	5.00	218.00	24.00	2970.00	4.80	9.98	5.10	0.12		
8/11/2011	160.00	0.07	0.30	108.00	0.00	19.00	35.00	0.01	309.00	0.18	0.10	0.03	5.30	67.00	0.04	0.06	0.02	0.06	11.00	0.02	6.50	0.80	5.00	-56.00	18.00	6820.00	2.60	10.94	3.20	0.34		
6/02/2012	51.00	0.03	0.01	20.00	0.00	7.40	22.00	0.01	193.00	0.01	1.00	0.04	4.80	4.10	0.01	0.02	0.02	0.05	5.12	0.02	6.40	0.17	5.00	53.00	16.00	764.00	1.80	5.12	6.10	0.08		
8/05/2012	20.00	0.02	0.01	1.00	0.00	3.50	22.00	0.01	108.00	0.14	4.80	0.01	2.00	0.01	0.01	0.02	0.02	0.02	0.49	0.02	6.30	0.07	5.00	226.00	15.00	38.00	1.40	0.47	0.60	0.04		
7/08/2012	36.00	0.03	0.01	6.60	0.00	6.60	30.00	0.01	188.00	0.01	1.20	0.01	2.60	1.55	0.01	0.03	0.02	0.03	0.36	0.02	6.30	0.02	5.00	-1.00	13.00	334.00	2.10	0.33	3.70	0.01		
14/11/2012	44.00	0.07	0.01	9.60	0.00	16.00	34.00	0.01	301.00	0.01	0.40	0.01	4.90	1.29	0.01	0.06	0.02	0.06	1.18	0.02	6.60	0.15	5.00	-44.00	18.00	263.00	21.00	1.12	8.40	0.02		
14/02/2013	30.00	0.06	0.01	3.90	0.00	6.50	24.00	0.01	203.00	0.01	1.00	0.01	3.20	0.88	0.01	0.03	0.02	0.05	1.79	0.02	6.20	0.18	5.00	-38.00	17.00	58.00	2.60	1.74	11.00	0.02		
15/05/2013	17.00	0.03	0.01	2.40	0.00	5.00	25.00	0.01	138.00	0.01	1.50	0.01	1.50	0.37	0.01	0.03	0.02	0.03	1.08	0.02	6.00	0.18	5.00	30.00	15.00	74.00	4.10	1.05	3.40	0.01		
7/08/2013	22.00	0.03	0.01	6.30	0.00	4.40	24.00	0.01	124.00	0.01	4.20	0.01	1.80	0.07	0.01	0.03	0.02	0.03	0.54	0.02	6.10	0.10	5.00	148.00	17.00	414.00	3.20	0.51	2.70	0.01		
12/11/2013																																
11/02/2014																																
14/05/2014	26.00	0.04	0.01	5.10	0.00	9.70	58.00	0.01	326.00	0.01	1.00	0.01	4.30	0.41	0.01	0.04	0.02	0.04	0.72	0.03	5.80	0.10	5.00	-2.00	40.00	28.00	28.00	0.68	7.70	0.02		
12/08/2014																																
10/11/2014																																
10/02/2015	59.00	0.04	0.01	6.60	0.00	11.00	24.00	0.01	230.00	0.01	0.10	0.01	4.40	1.71	0.01	0.03	0.02	0.05	1.33	0.02	6.60	0.06	5.00	-63.00	14.00	12.00	2.70	1.28	22.00	0.05		
12/05/2015	12.00	0.02	0.00	3.60	0.00	3.10	20.00	0.00	103.00	0.00	3.90	0.00	1.40	0.15	0.00	0.02	0.02	0.02	0.23	0.02	5.60	0.04	5.00	105.00	14.00	13.00	2.60	0.23	3.00	0.03		
12/08/2015	17.00	0.02	0.01	2.70	0.00	3.90	24.00	0.00	125.00	0.00	3.40	0.00	1.80	0.60	0.00	0.02	0.02	0.02	1.35	0.02	6.60	0.34	5.00	97.00	16.00	165.00	2.80	1.35	4.20	0.01		
11/11/2015	24.00	0.02	0.00	1.50	0.00	7.20	20.00	0.00	146.00	0.00	2.10	0.00	2.30	0.64	0.00	0.02	0.02	0.02	1.49	0.02	6.30	0.23	5.00	48.00	14.00	50.00	6.90	1.47	7.30	0.01		
9/02/2016	42.00	0.02	0.02	13.50	0.00	10.26	28.00	0.00	196.00	0.01	0.60	0.00	3.25	1.16	0.00	0.02	0.03	0.02	4.07	0.02	6.50	0.72	5.00	8.00	17.01	402.00	2.96	4.07	8.73	0.02		
10/05/2016	37.00	0.02	0.01	6.30	0.00	8.27	30.00	0.00	203.00	0.00	1.60	0.00	3.11	0.77	0.00	0.02	0.02	0.02	0.68	0.02	6.20	0.14	5.00	88.00	19.15	40.00	2.62	0.68	6.00	0.01		
10/08/2016	14.90	0.02		6.60		3.80	23.00		120.60		3.70		1.60			0.02	0.02	0.02	2.89	0.02	5.80	0.55	5.00	174.00	16.89	178.00	3.44	2.89	4.27			
8/11/2016																																
7/02/2017																																
9/05/2017	22.10	0.02	0.00	1.00	0.00	8.20	20.00	0.00	139.00	0.00	2.40	0.00	2.39	0.19	0.00	0.02	0.02	0.02	0.36	0.02	5.90	0.04	5.00	256.30	12.76	8.50	11.45	0.36	5.16	0.01		
9/08/2017	28.28	0.02		3.00		5.49	50.00		158.50		0.90		2.46			0.02	0.02	0.02	4.64	0.02	6.00	0.91	5.00	135.30	17.26	119.00	1.55	4.64	5.16			
8/11/2017	37.27	0.02		2.40		12.34	27.50		198.80		1.20		3.14			0.02	0.02	0.02	0.40	0.02	5.60	0.05	5.00	114.90	16.83	9.70	12.31	0.40	5.62			
10/02/2018																																
9/05/2018	28.98	0.02	0.00	2.10	0.00	7.97	22.50	0.00	146.40	0.00	1.60	0.00	2.46	0.39	0.00	0.02	0.02	0.02	0.62	0.02	6.20	0.11	1.53	111.80	14.70	30.00	3.77	0.62	5.67	0.01		
10/08/2018																																
12/11/2018																																
10/02/2019																																
15/05/2019	31.00	0.02	0.00	3.90	0.00	9.60	31.00	0.00	189.00	0.00	0.80	0.00	3.50	0.59	0.00	0.02	0.02	0.02	1.02	0.02	6.10	0.16	1.30	-12.70	21.00	28.00	6.00	1.00	11.00	0.01		
14/08/2019	25.00	0.02		4.80		7.80	30.00		161.00		0.50		2.80			0.02	0.02	0.02	7.61	0.02	6.10	1.98	1.10	281.20	20.00	160.00	4.00	7.61	8.50			
13/11/2019																																
26/02/2020	31.00	0.04		7.20		10.00	19.00		162.00		0.90		2.70			0.02	0.02	0.02	1.67	0.02	6.30	0.23	2.00	22.70	13.00	53.00	10.00	1.65	13.00			
13/05/2020	29.00	0.02	0.04	11.00	0.00	6.00	28.00	0.01	159.00	0.00	1.40	0.00	2.50	1.25	0.01	0.02	0.02	0.02	5.78	0.02	6.10	0.65	0.60	27.70	17.00	525.00	4.30	5.78	11.00	0.01		
12/08/2020	21.00	0.02		4.80		8.10	25.00		151.00		4.20		2.30			0.02	0.02	0.02	5.10	0.02	5.90	0.53	0.97	258.50	17.00	315.00	13.00	5.10	5.60			
2020 Min	21.00	0.02	0.04	4.80	0.00	6.00	19.00	0.01	151.00	0.00	0.90	0.00	2.30	1.25	0.01	0.02	0.02	0.02	1.67	0.02	5.90	0.23	0.60	22.70	13.00	53.00	4.30	1.65	5.60	0.01		
2020 Max	31.00	0.04	0.04	11.00	0.00	10.00	28.00	0.01	162.00	0.00	4.20	0.00	2.70	1.25	0.01	0.02	0.02	0.02	5.78	0.02	6.30	0.65	2.00	258.50	17.00	525.00	13.00	5.78	13.00	0.01		
2020 Mean	27.00	0.03	0.04	7.67	0.00	8.03	24.00	0.01	157.33	0.00	2.17	0.00	2.50	1.25	0.01	0.02	0.02	0.02	4.18	0.02	6.10	0.47	1.19	102.97	15.67	297.67	9.10	4.18	9.87	0.01		
Long-term Average	35.55	0.03	0.03	10.23	0.00	7.93	28.89	0.01	179.05	0.02	1.95	0.01	2.86	7.47	0.01	0.03	0.02	0.03	2.62	0.02	6.20	0.33	4.20	84.63	17.24	542.76	5.94	2.60	6.65	0.04		

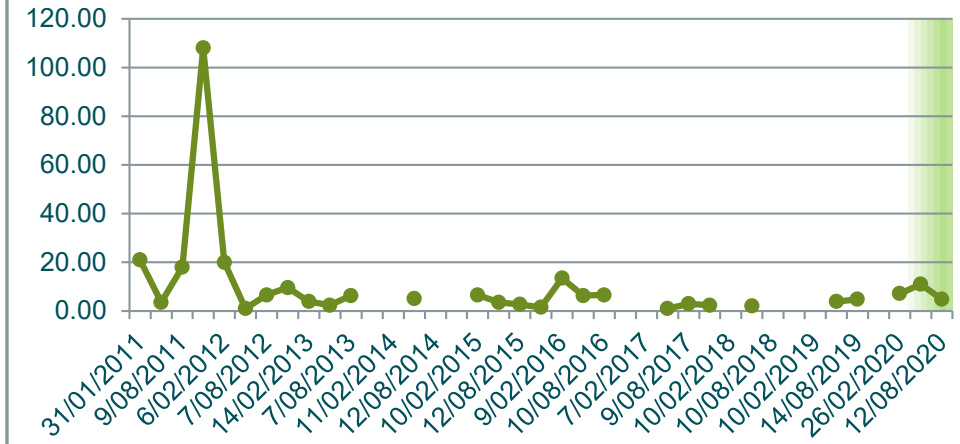
**Ammonia
mg/L**



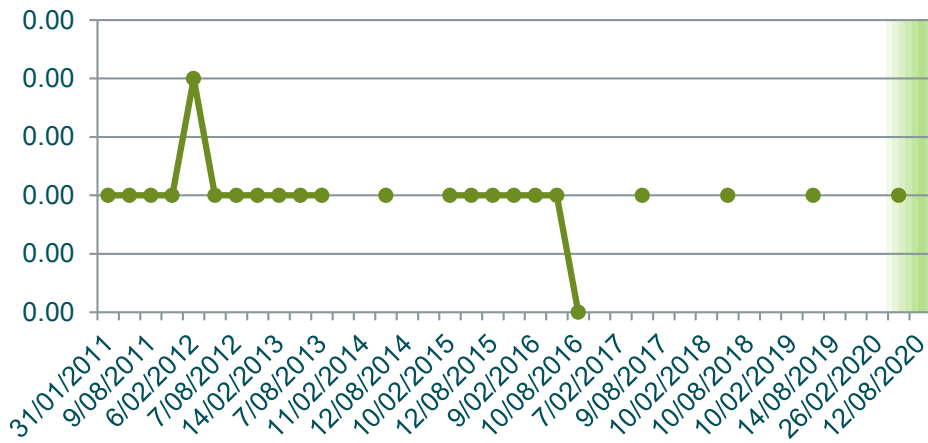
**Arsenic (Total)
mg/L**



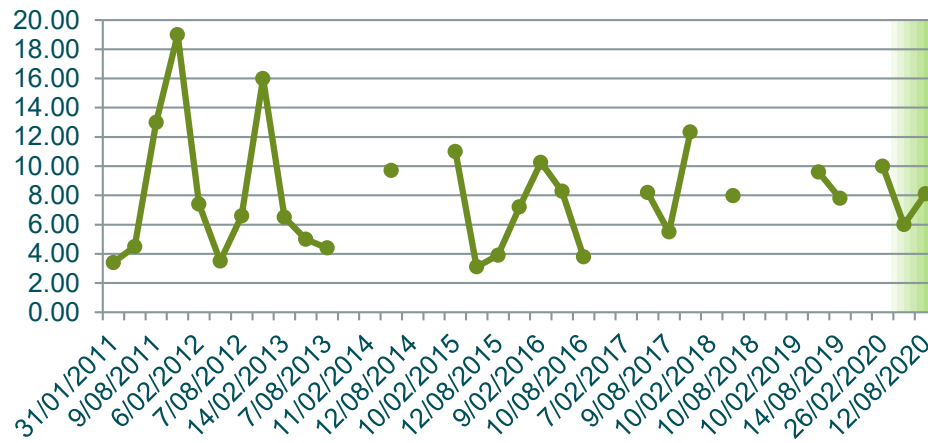
**BOD5
mg/L**



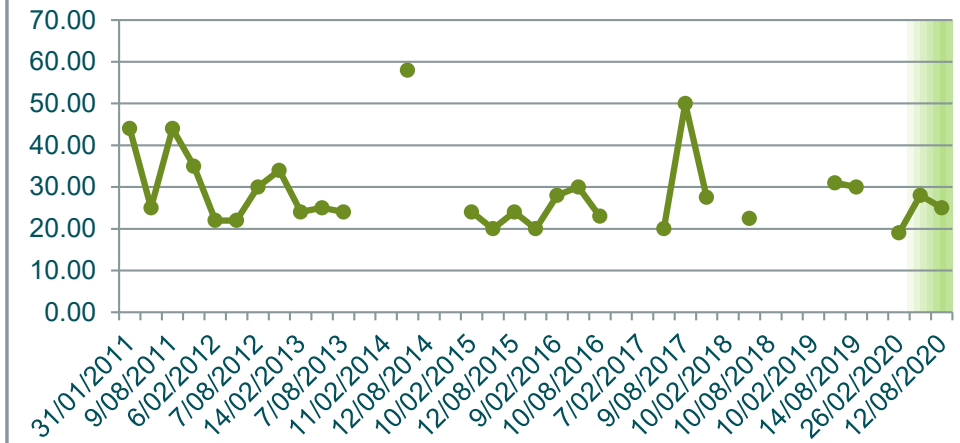
**Cadmium (Total)
mg/L**



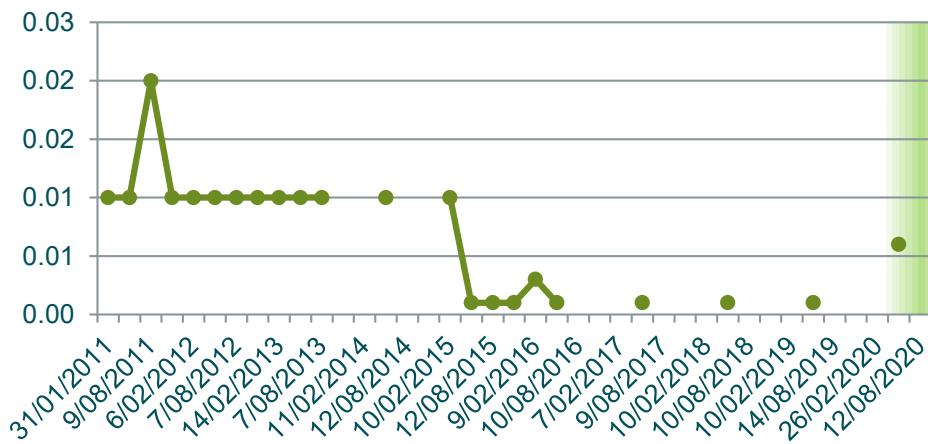
**Calcium (Total)
mg/L**



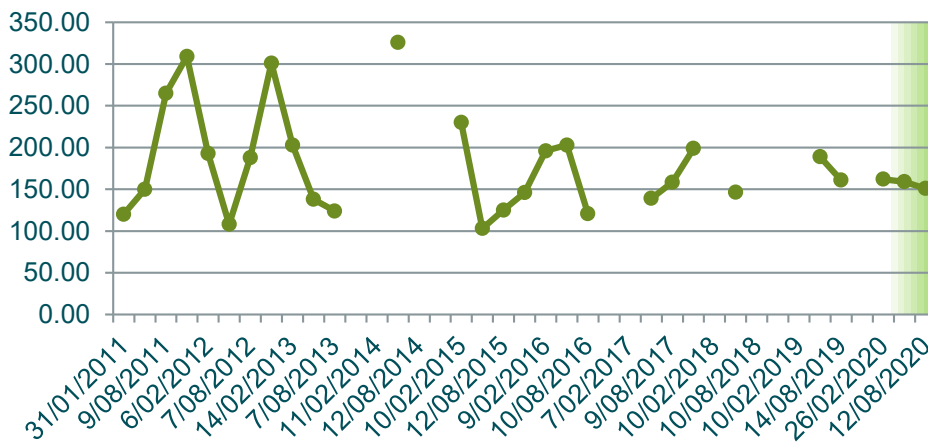
**Chloride
mg/L**



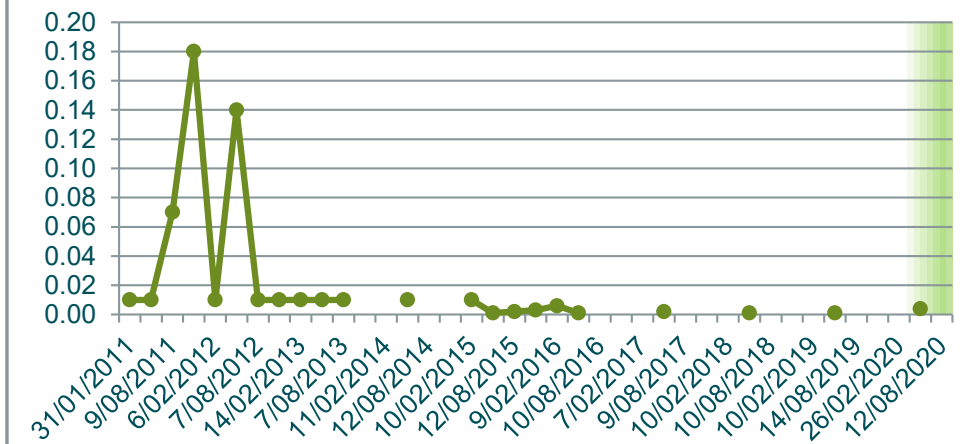
**Chromium (Total)
mg/L**



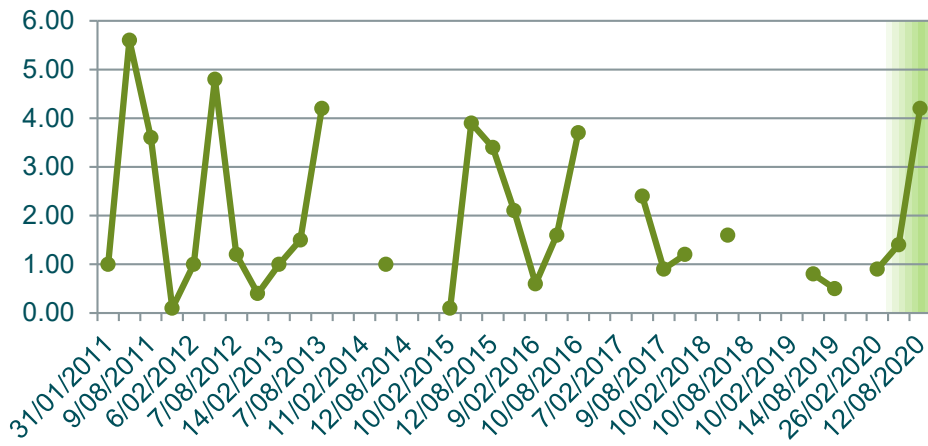
**Conductivity
µScm-1**



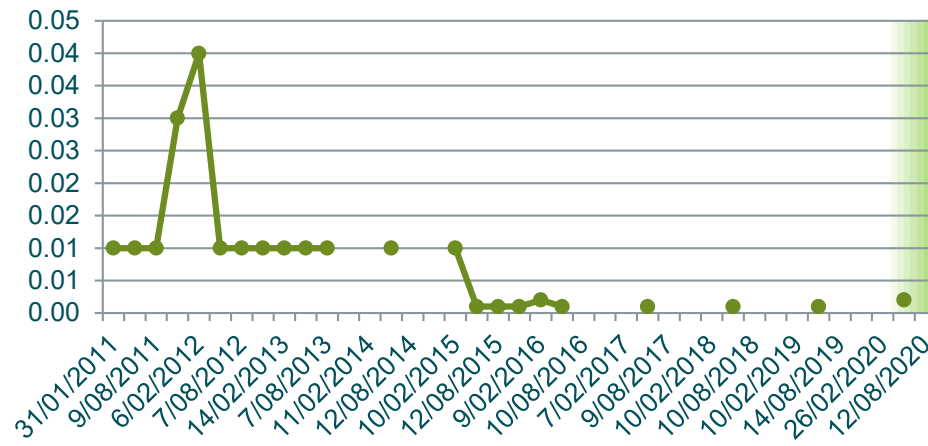
**Copper (Total)
mg/L**



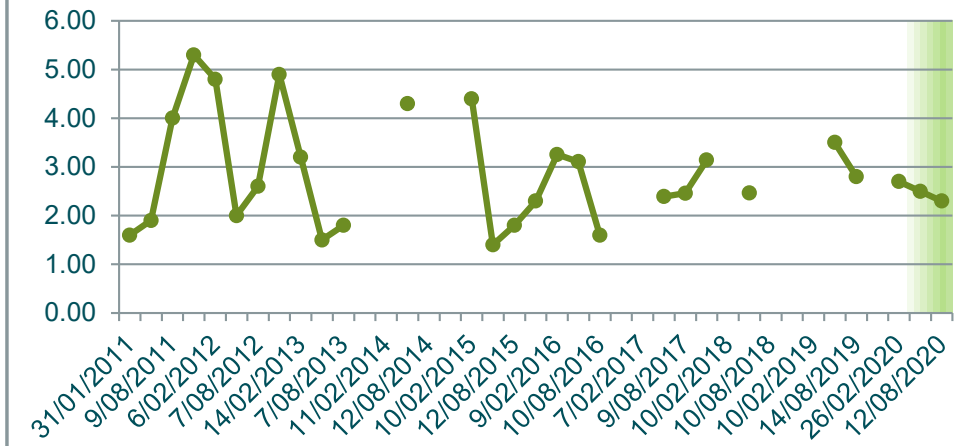
DO (Membrane Electrode)
mg/L



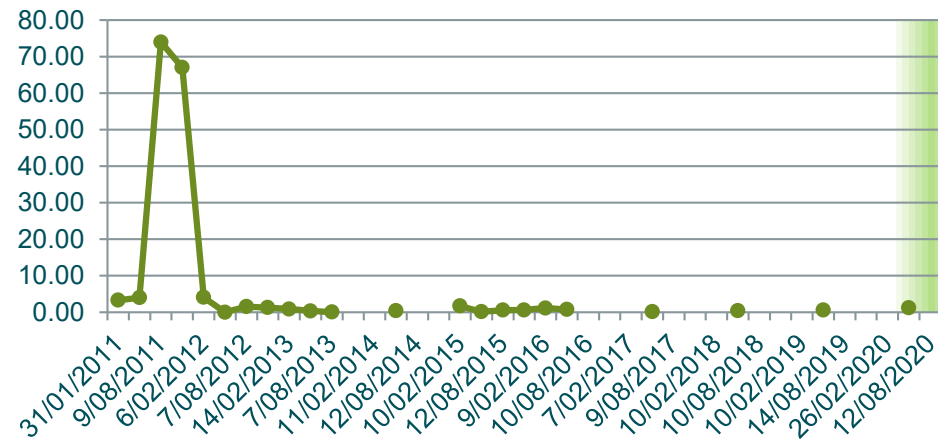
Lead (Total)
mg/L



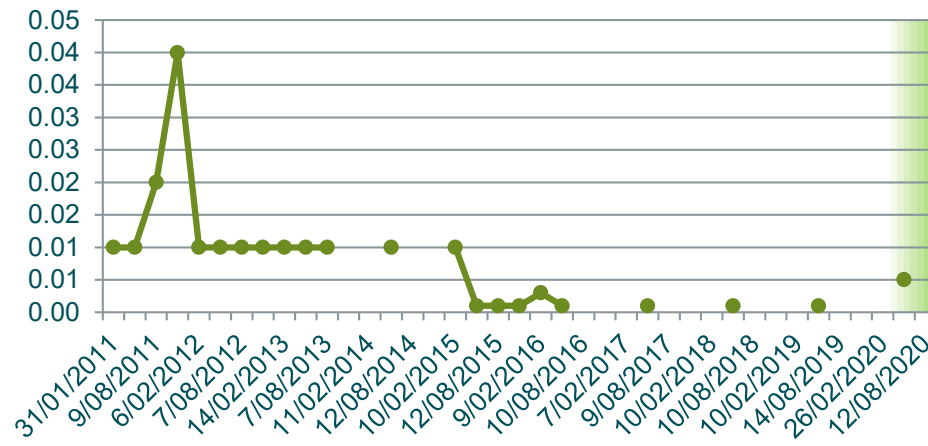
Magnesium (Total)
mg/L



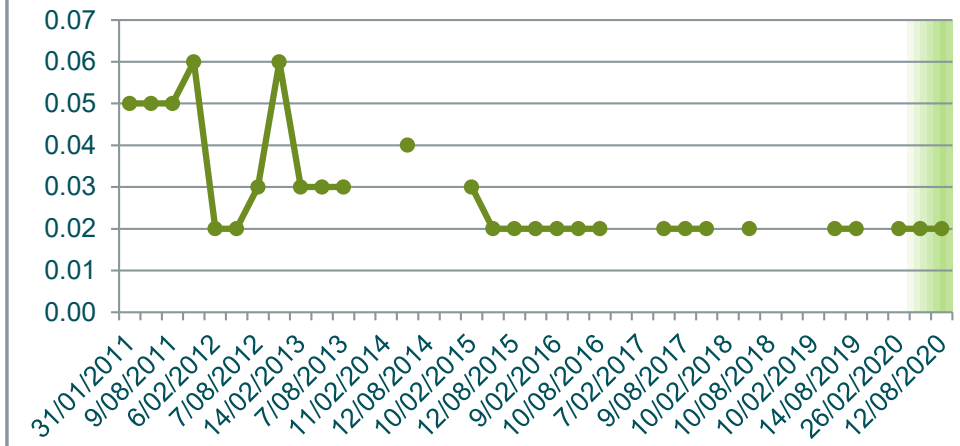
Manganese Total
mg/L



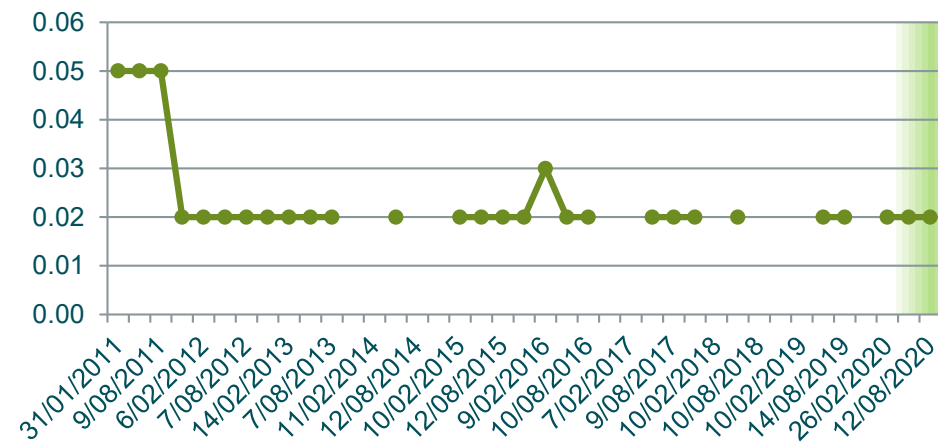
Nickel (Total)
mg/L



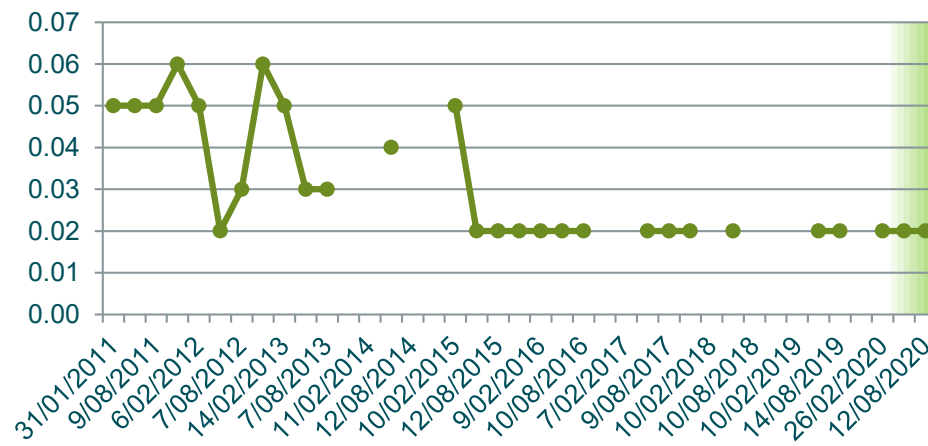
Nitrate N
mg/L



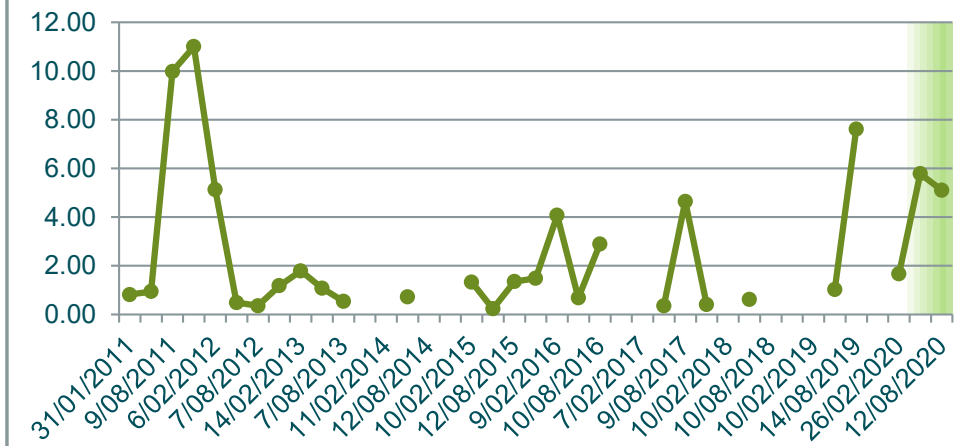
Nitrite N
mg/L



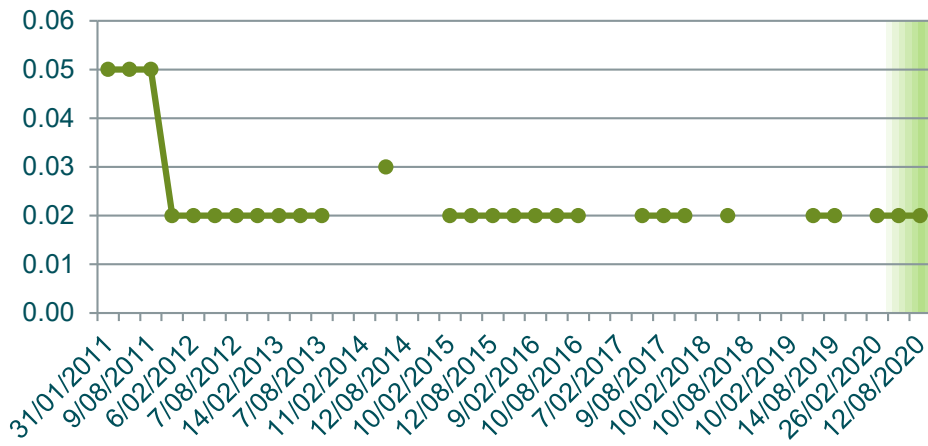
Nitrogen Oxidised
mg/L



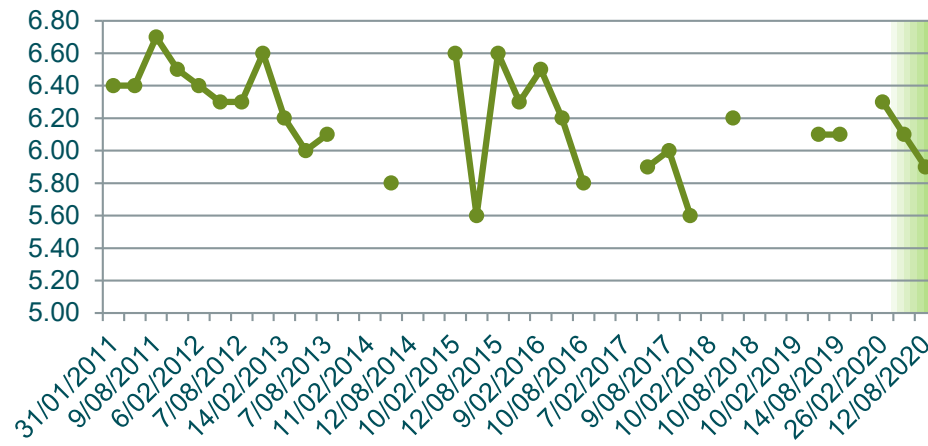
Nitrogen Total
mg/L



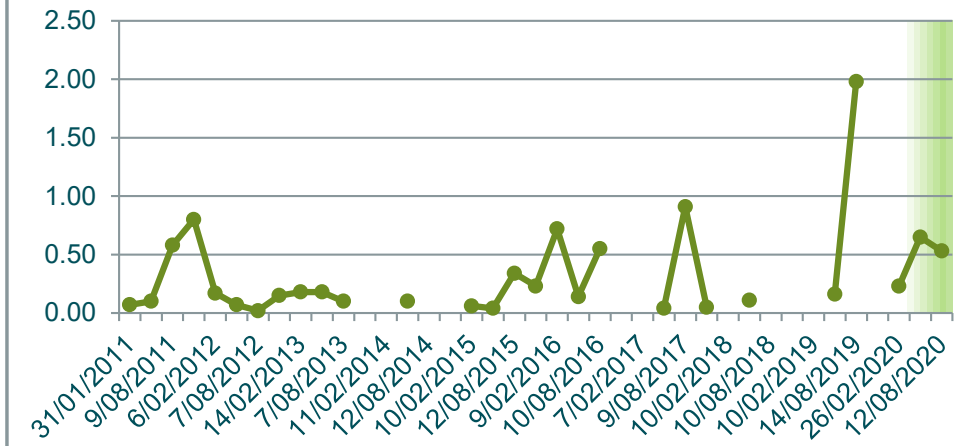
Orthophosphate mg/L



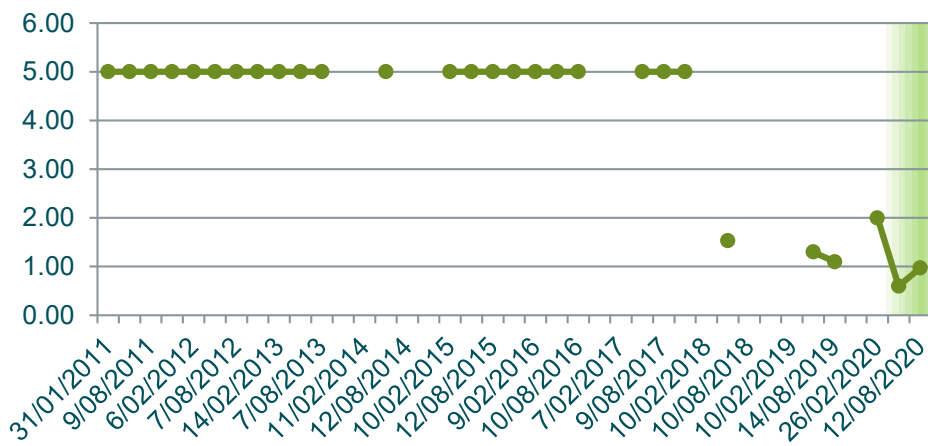
pH pH units



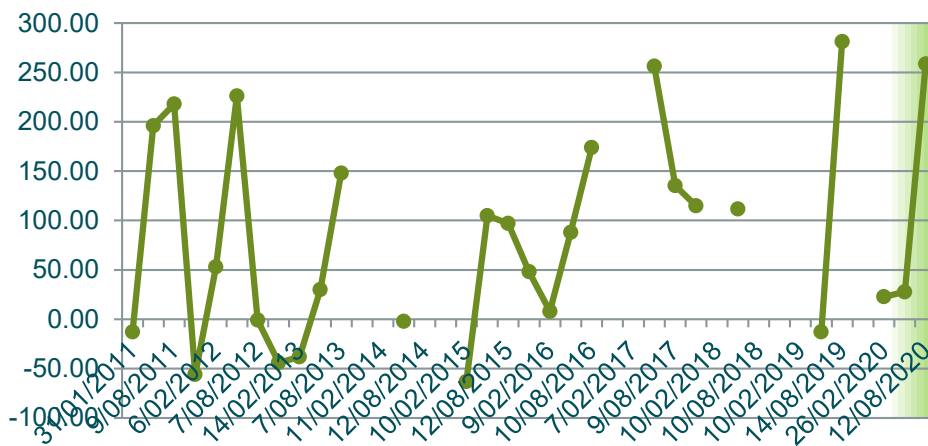
Phosphorus Total mg/L



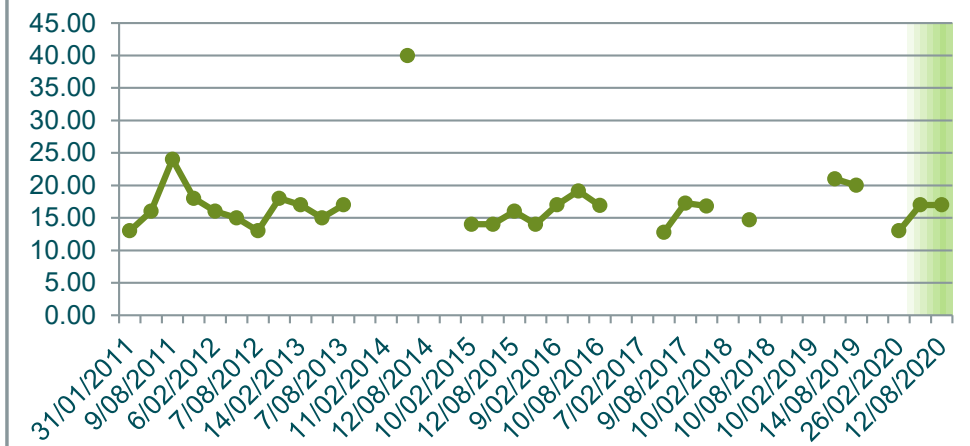
Potassium Total mg/L



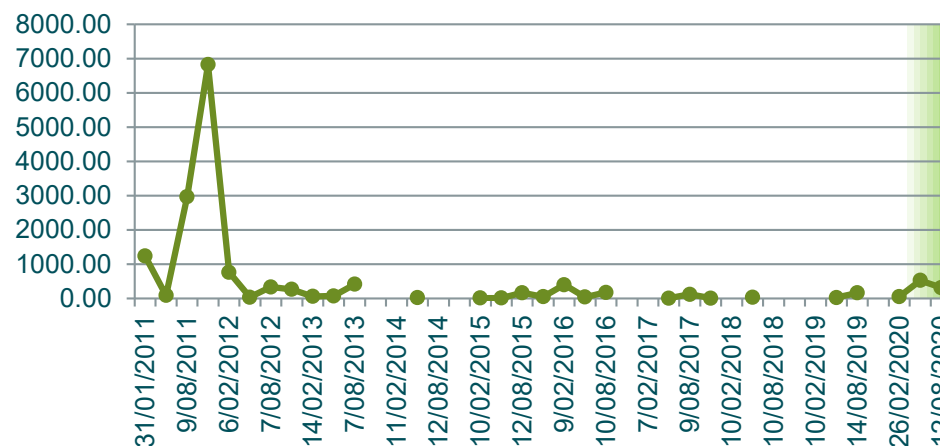
Redox Potential mV



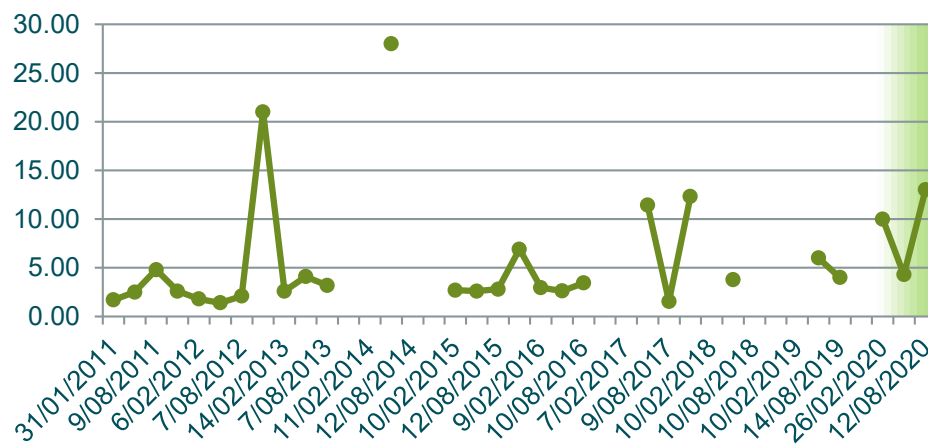
Sodium (Total) mg/L



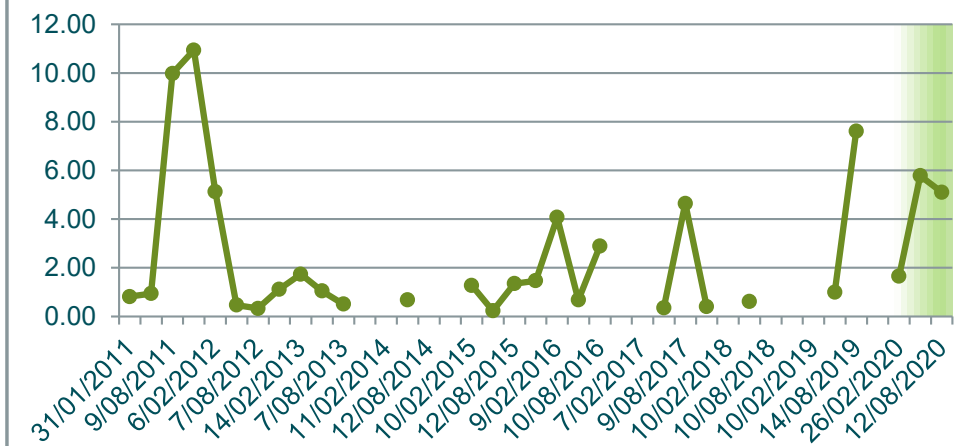
Solids Suspended mg/L



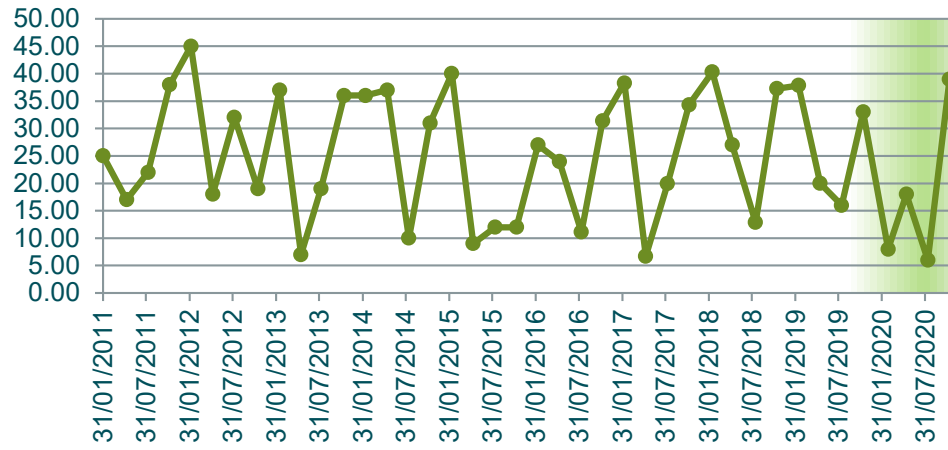
Sulphate mg/L



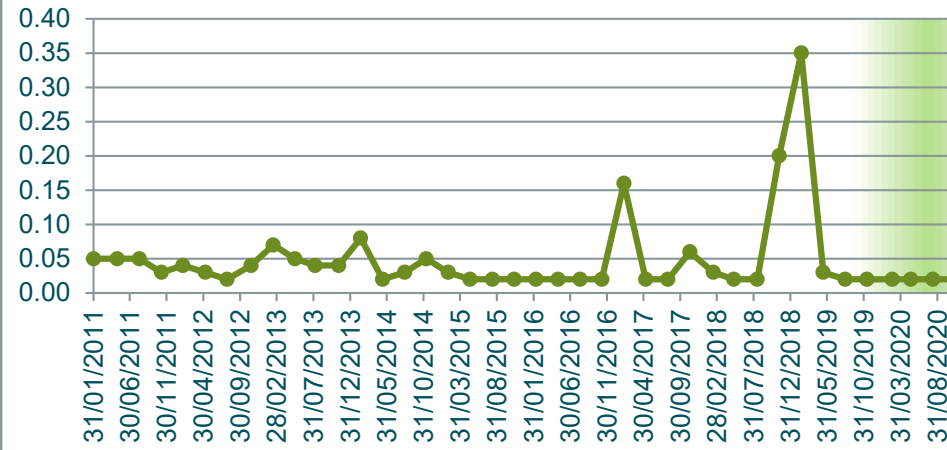
TKN mg/L



**Alkalinity
mg/L as CaCO3**



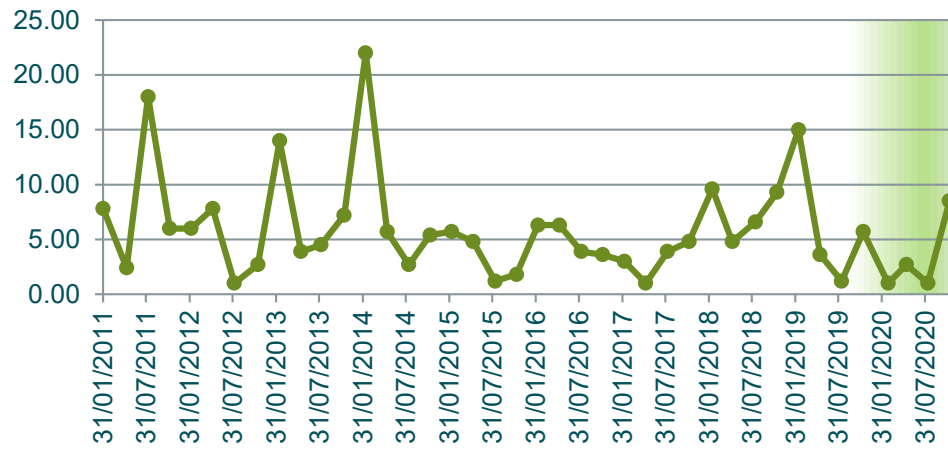
**Ammonia
mg/L**



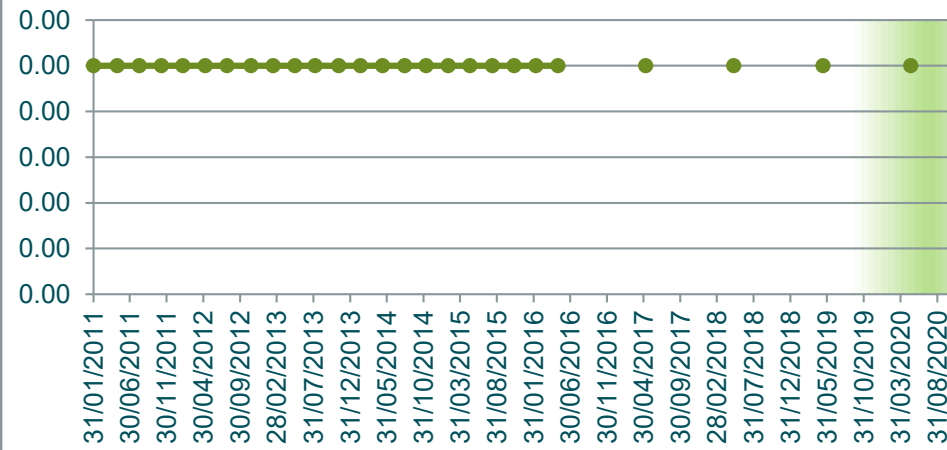
**Arsenic (Total)
mg/L**



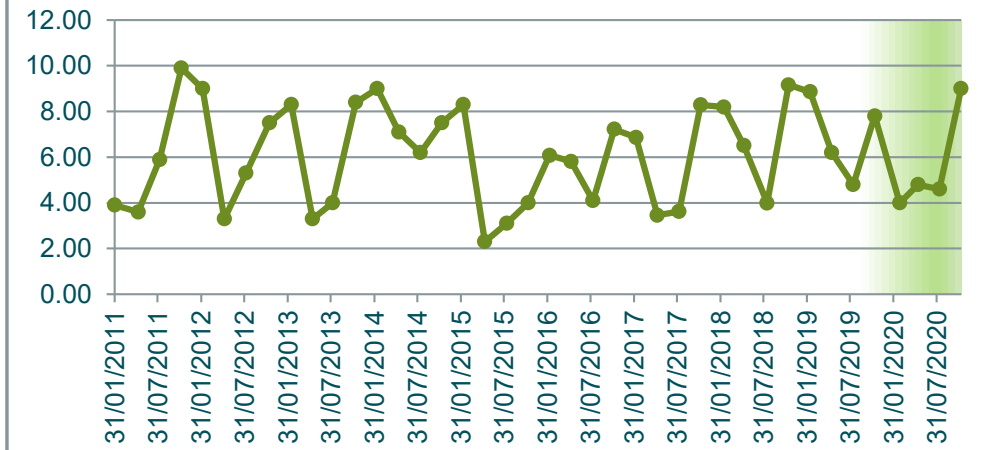
**BOD5
mg/L**



**Cadmium (Total)
mg/L**



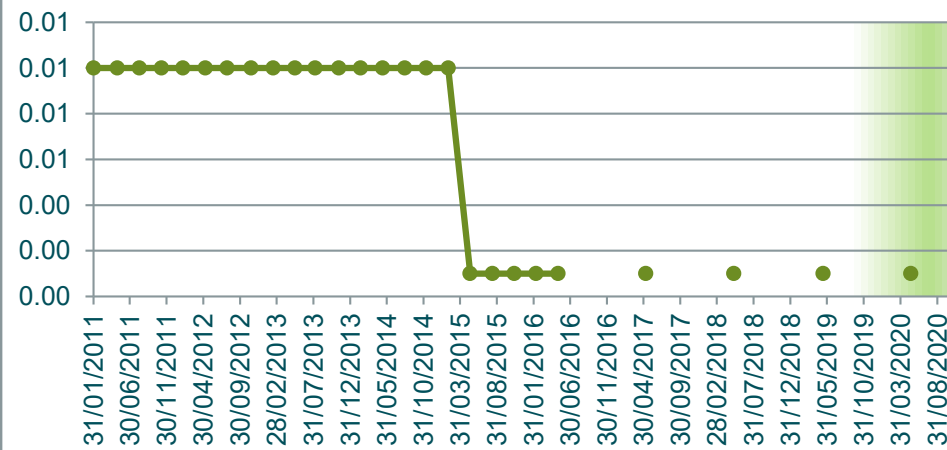
**Calcium (Total)
mg/L**



**Chloride
mg/L**



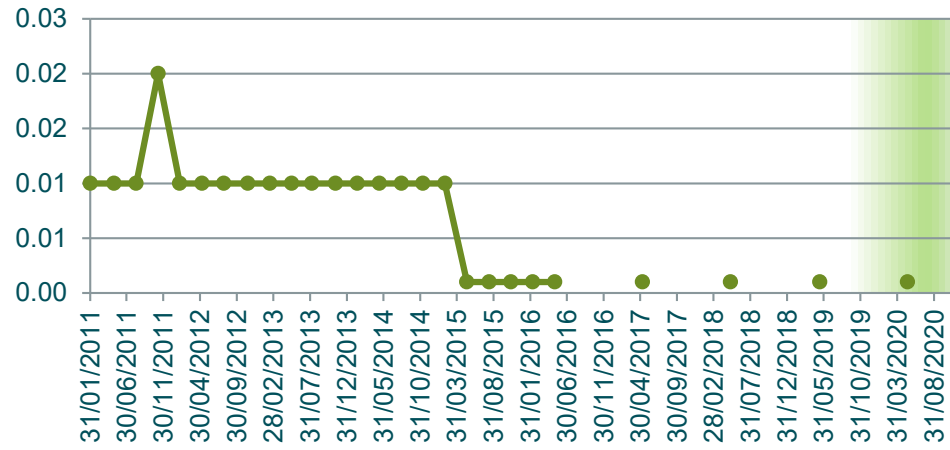
**Chromium (Total)
mg/L**



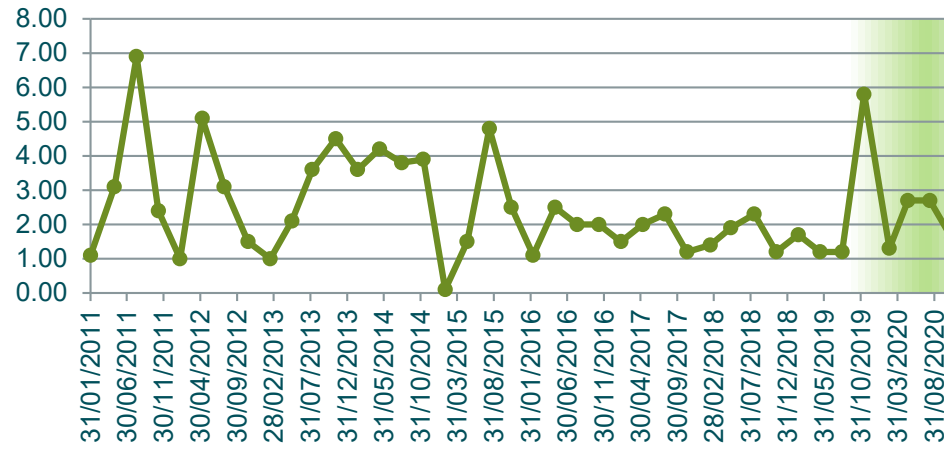
**Conductivity
µScm-1**



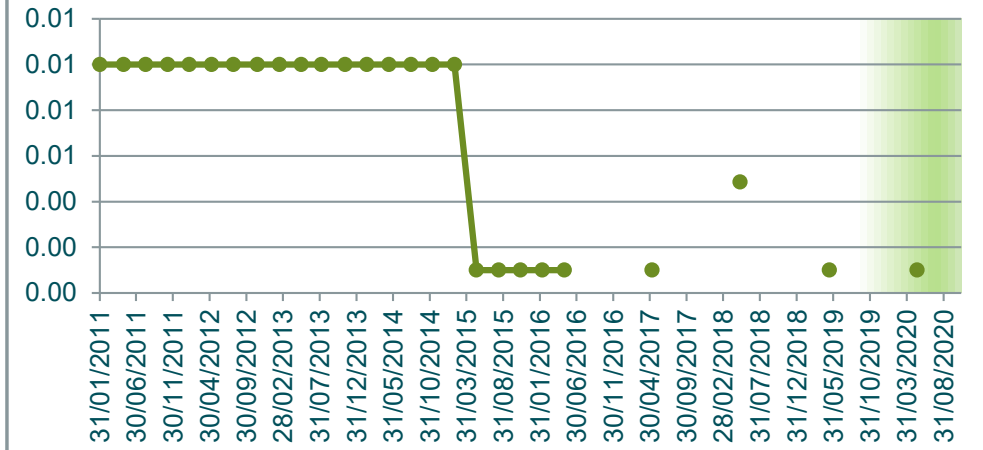
**Copper (Total)
mg/L**



**DO (Membrane Electrode)
mg/L**



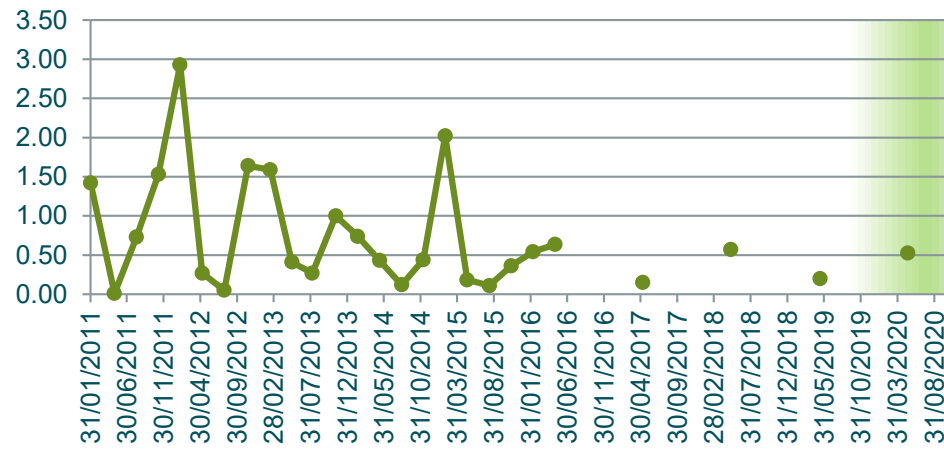
**Lead (Total)
mg/L**



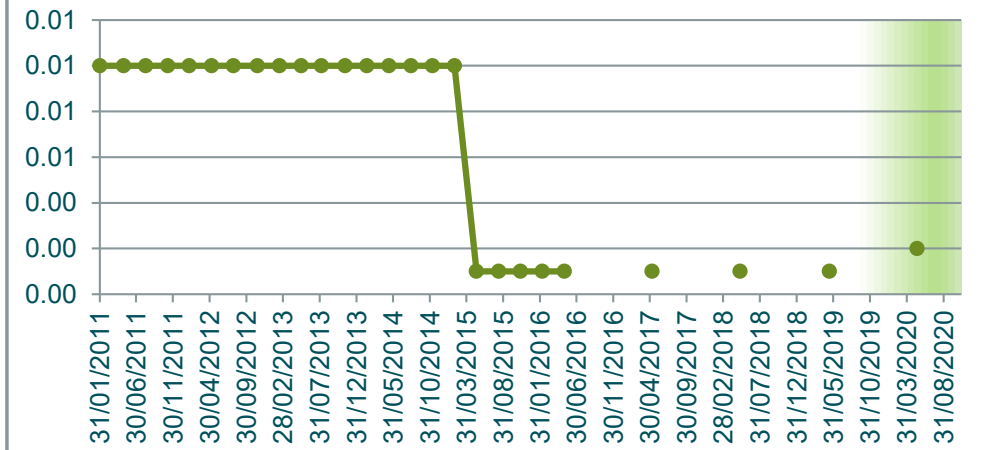
**Magnesium (Total)
mg/L**



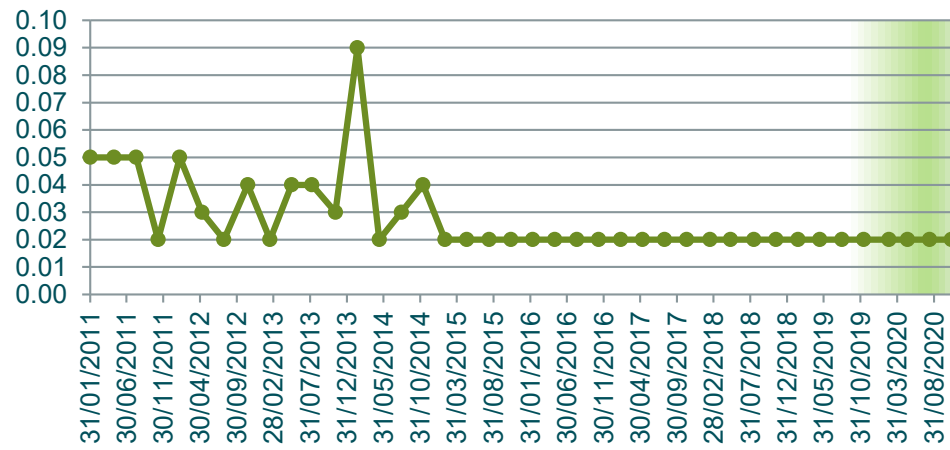
**Manganese Total
mg/L**



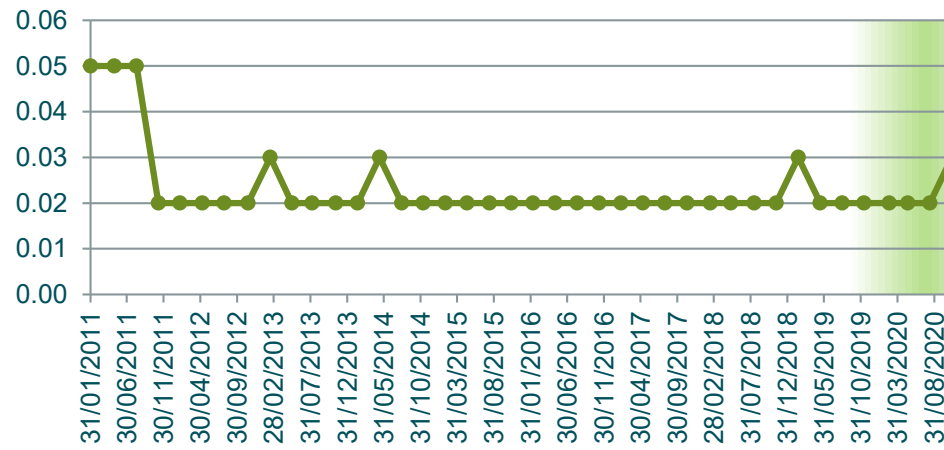
**Nickel (Total)
mg/L**



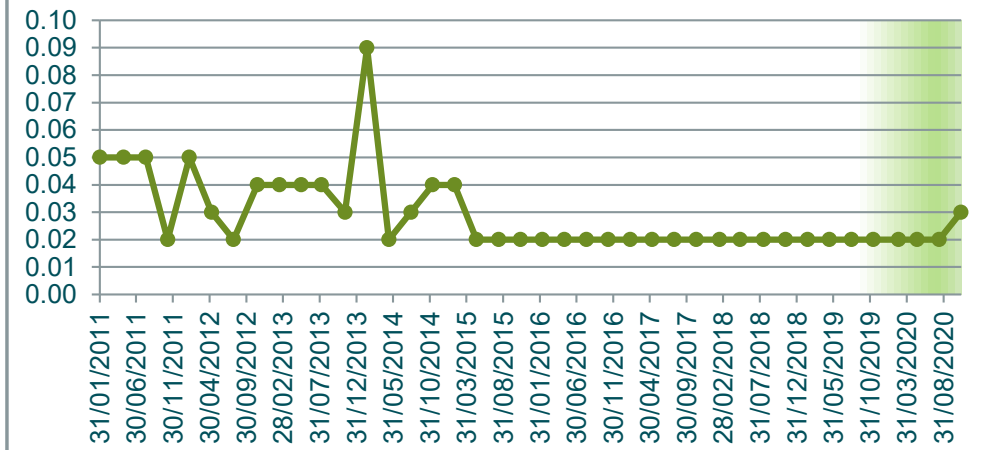
**Nitrate
N mg/L**



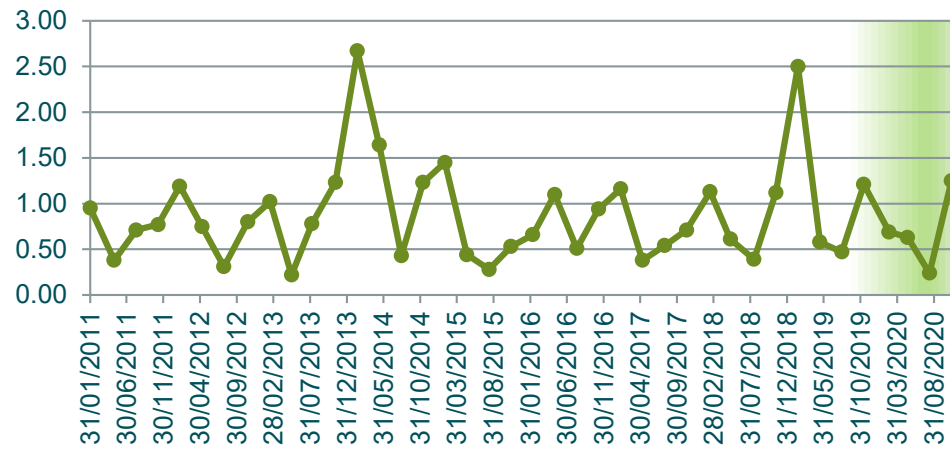
**Nitrite
N mg/L**



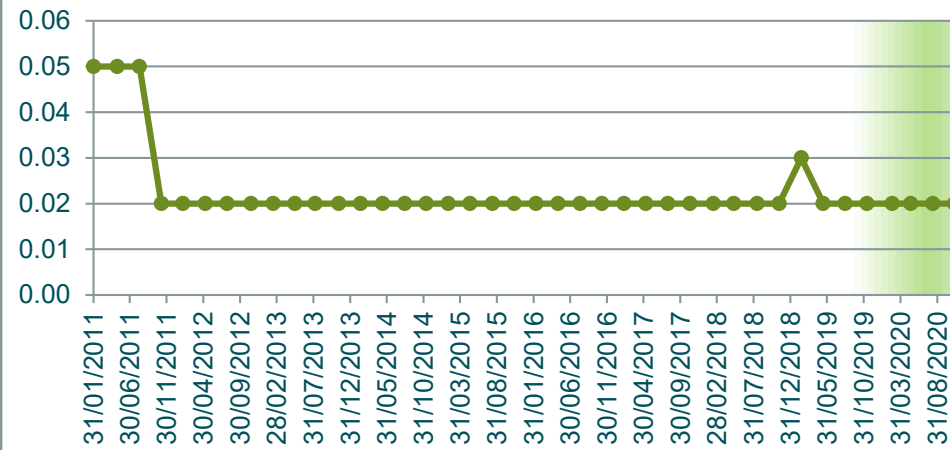
**Nitrogen Oxidised
mg/L**



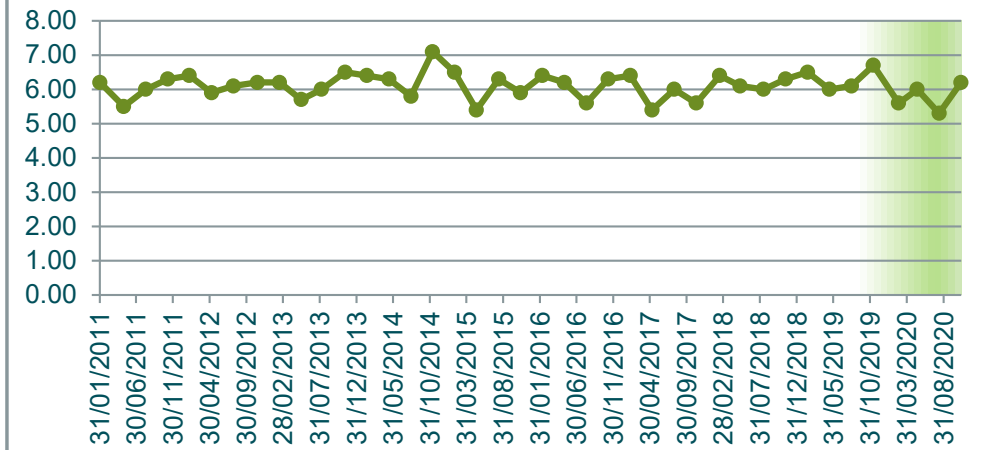
Nitrogen Total mg/L



Orthophosphate mg/L



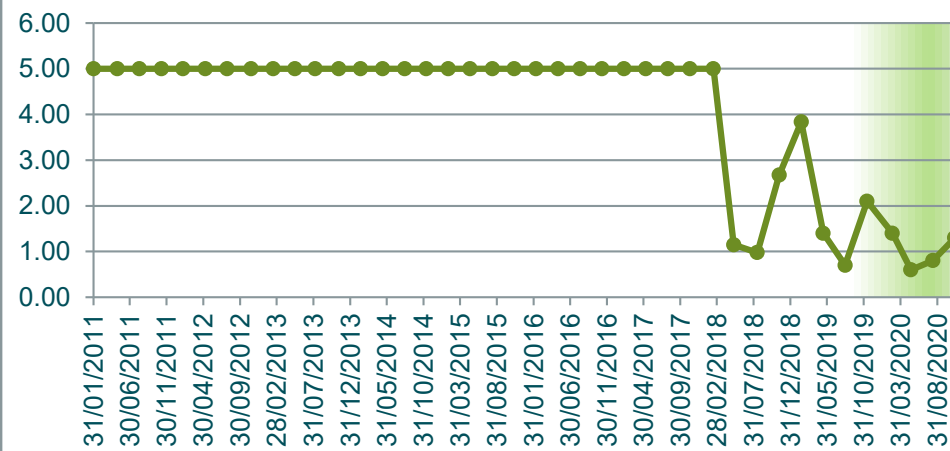
pH pH units



Phosphorus Total mg/L



Potassium Total mg/L



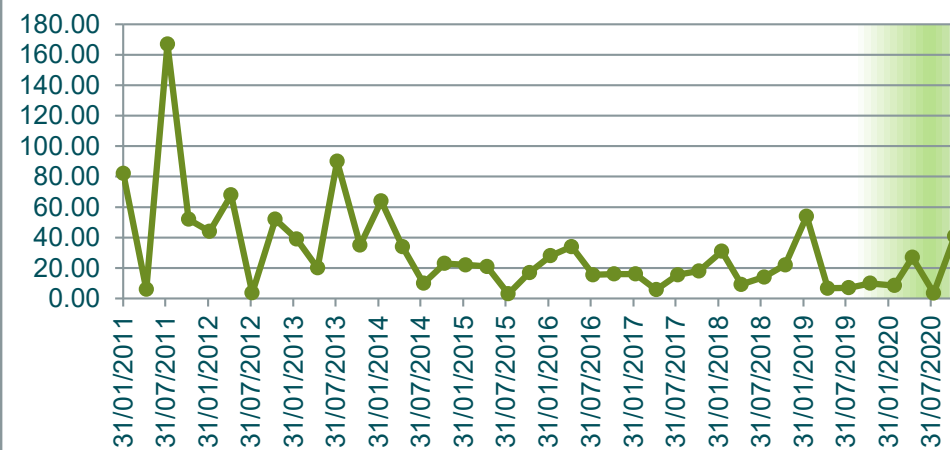
Redox Potential mV



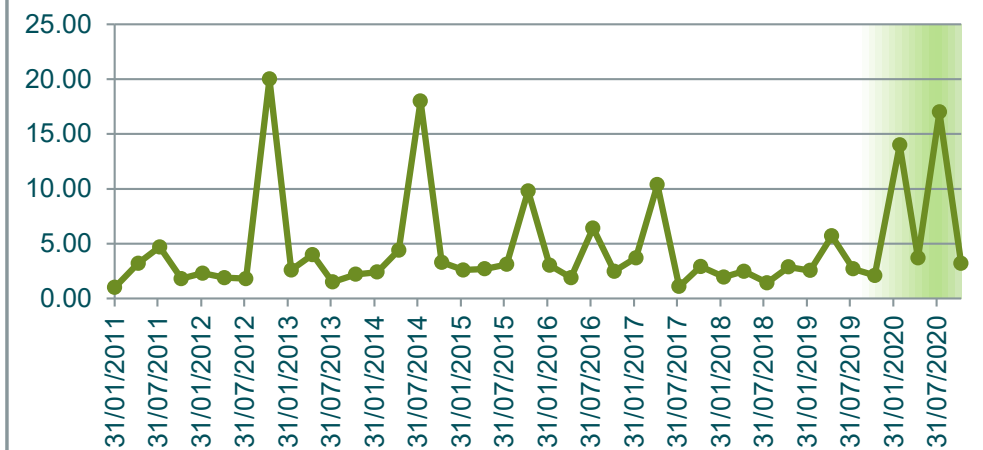
Sodium (Total) mg/L



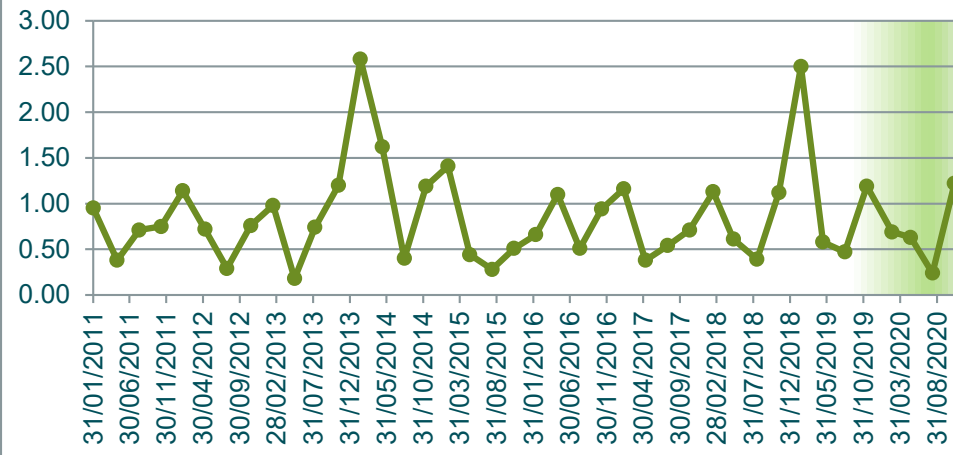
Solids Suspended mg/L



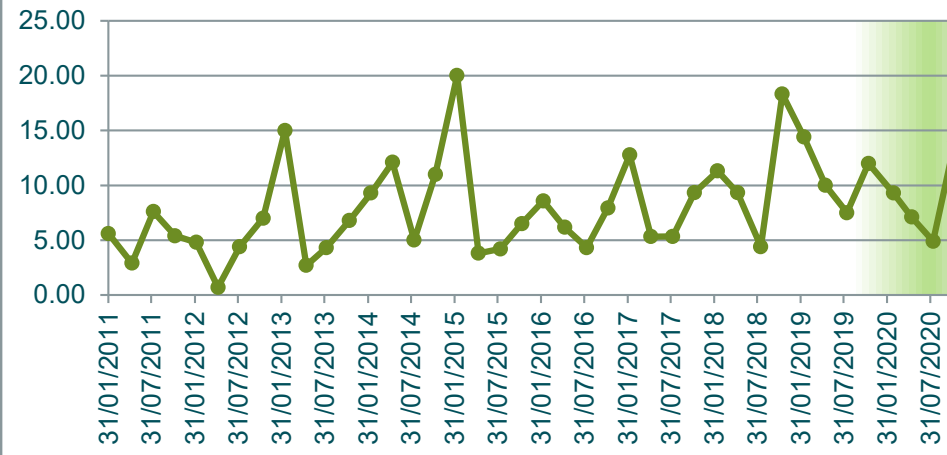
Sulphate mg/L



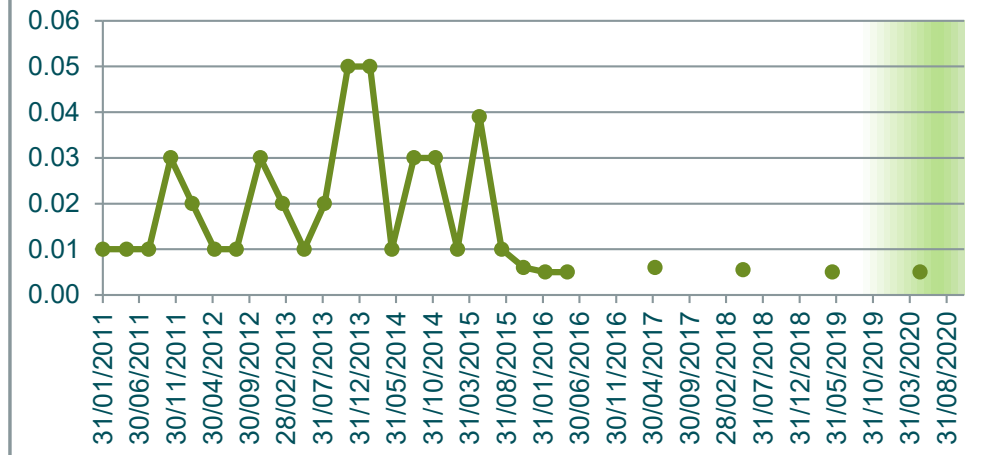
TKN mg/L



TOC mg/L

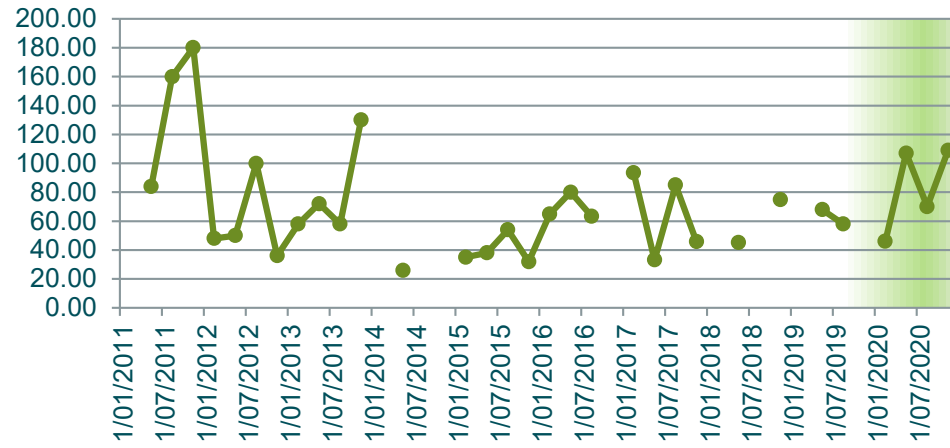


Zinc (Total) mg/L

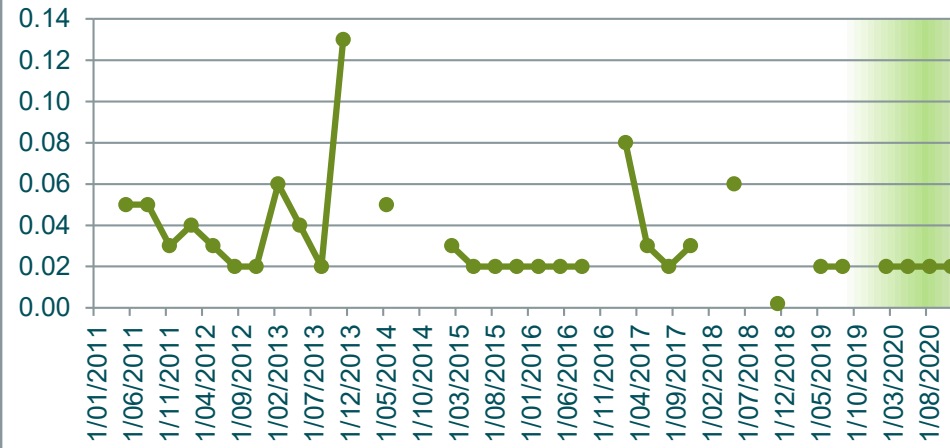


SW4	Alkalinity mg/L as CaCO3	Ammonia mg/L	Arsenic (Total) mg/L	BOD5 mg/L	Cadmium (Total) mg/L	Calcium (Total) mg/L	Chloride mg/L	Chromium (Total) mg/L	Conductivity µS/cm-1	Copper (Total) mg/L	DO (Membrane Electrode) mg/L	Lead (Total) mg/L	Magnesium (Total) mg/L	Manganese Total mg/L	Nickel (Total) mg/L	Nitrate N mg/L	Nitrite N mg/L	Nitrogen Oxidised mg/L	Nitrogen Total mg/L	Orthophosphate mg/L	pH pH units	Phosphorus Total mg/L	Potassium Total mg/L	Redox Potential mV	Sodium (Total) mg/L	Solids Suspended mg/L	Sulphate mg/L	TKN mg/L	TOC mg/L	Zinc (Total) mg/L	
31/01/2011																															
10/05/2011	84.00	0.05	0.01	1.50	0.00	24.00	15.00	0.01	260.00	0.01	1.70	0.01	3.90	1.45	0.01	0.05	0.05	0.05	0.37	0.05	6.10	0.05	5.00	148.00	12.00	12.00	3.70	0.37	3.20	0.01	
9/08/2011	160.00	0.05	0.01	2.40	0.00	40.00	25.00	0.01	395.00	0.01	2.60	0.01	6.90	0.84	0.01	0.05	0.05	0.05	0.44	0.05	6.70	0.05	5.00	208.00	18.00	11.00	7.40	0.44	8.50	0.01	
8/11/2011	180.00	0.03	0.01	5.10	0.00	58.00	30.00	0.01	439.00	0.06	1.90	0.02	9.80	3.29	0.01	0.03	0.02	0.03	0.81	0.02	6.80	0.08	6.00	69.40	14.00	609.00	5.10	0.78	12.00	0.03	
6/02/2012	48.00	0.04	0.01	6.00	0.00	12.00	11.00	0.01	142.00	0.01	1.00	0.01	3.40	2.31	0.01	0.02	0.02	0.05	0.67	0.02	6.40	0.06	5.00	137.00	9.20	29.00	1.00	0.67	4.60	0.01	
8/05/2012	50.00	0.03	0.01	1.00	0.00	11.00	11.00	0.01	118.00	0.01	4.30	0.01	2.50	1.08	0.01	0.03	0.02	0.03	0.38	0.02	6.30	0.04	5.00	207.00	7.60	18.00	2.80	0.35	3.80	0.01	
7/08/2012	100.00	0.02	0.01	1.00	0.00	23.00	17.00	0.01	255.00	0.01	3.30	0.01	4.30	0.12	0.01	0.02	0.02	0.02	0.24	0.02	6.70	0.02	5.00	176.00	9.30	5.00	7.20	0.22	4.30	0.01	
14/11/2012	36.00	0.02	0.01	1.00	0.00	19.00	23.00	0.01	257.00	0.01	2.30	0.01	4.10	0.45	0.01	0.03	0.02	0.03	0.40	0.02	6.50	0.06	5.00	161.00	12.00	15.00	31.00	0.37	4.30	0.02	
14/02/2013	58.00	0.06	0.01	5.20	0.00	17.00	25.00	0.01	224.00	0.01	1.00	0.01	4.00	1.96	0.01	0.04	0.02	0.04	0.65	0.02	6.20	0.06	5.00	146.00	14.00	37.00	6.90	0.61	6.60	0.02	
15/05/2013	72.00	0.04	0.01	1.80	0.00	24.00	20.00	0.01	242.00	0.01	1.30	0.01	3.80	1.64	0.01	0.03	0.02	0.03	0.36	0.02	6.30	0.03	5.00	137.00	12.00	20.00	9.40	0.33	4.50	0.01	
7/08/2013	58.00	0.02	0.01	1.00	0.00	19.00	12.00	0.01	158.00	0.01	2.10	0.01	3.10	0.17	0.01	0.03	0.02	0.03	0.40	0.02	6.40	0.05	5.00	143.00	10.00	12.00	5.00	0.37	3.40	0.01	
13/11/2013	130.00	0.13	0.01	5.70	0.00	40.00	50.00	0.01	510.00	0.03	4.20	0.01	7.40	5.70	0.01	0.11	0.02	0.11	0.91	0.02	6.10	0.03	5.00	-9.00	35.00	445.00	39.00	0.80	6.60	0.07	
11/02/2014																															
14/05/2014	26.00	0.05	0.01	2.70	0.00	14.00	28.00	0.01	214.00	0.01	7.10	0.01	2.40	0.72	0.01	1.23	0.03	1.26	1.97	0.02	6.10	0.17	5.00	33.00	14.00	127.00	16.00	0.71	4.50	0.02	
12/08/2014																															
10/11/2014																															
10/02/2015	35.00	0.03	0.01	3.00	0.00	10.00	17.00	0.01	118.00	0.01	2.70	0.01	2.20	0.32	0.01	0.04	0.02	0.04	0.94	0.02	7.00	0.10	5.00	153.00	7.10	14.00	2.70	0.90	7.20	0.01	
12/05/2015	38.00	0.02	0.00	2.70	0.00	12.00	10.00	0.00	116.00	0.00	3.40	0.00	2.50	0.51	0.00	0.02	0.02	0.02	0.84	0.02	6.00	0.11	5.00	186.00	8.00	26.00	2.00	0.84	5.00	0.05	
12/08/2015	54.00	0.02	0.00	14.00	0.00	18.00	12.00	0.00	152.00	0.00	5.30	0.00	3.40	0.66	0.00	0.02	0.02	0.02	0.96	0.02	7.00	0.11	5.00	135.00	9.60	52.00	3.20	0.96	6.00	0.03	
11/11/2015	32.00	0.02	0.00	2.70	0.00	11.00	11.00	0.00	124.00	0.01	1.70	0.00	2.50	0.65	0.00	0.02	0.02	0.02	0.76	0.02	6.40	0.13	5.00	148.00	8.00	73.00	8.60	0.76	5.90	0.01	
9/02/2016	65.00	0.02	0.00	6.00	0.00	20.87	26.00	0.00	215.00	0.00	3.80	0.00	3.71	0.71	0.00	0.02	0.02	0.02	2.18	0.02	6.80	0.31	5.00	131.00	12.81	28.00	6.06	2.18	8.97	0.01	
10/05/2016	80.00	0.02	0.00	8.10	0.00	23.67	26.00	0.00	257.00	0.00	5.50	0.00	4.30	0.82	0.00	0.02	0.02	0.02	1.29	0.02	6.70	0.16	5.48	104.00	15.27	18.00	3.04	1.29	11.33	0.01	
10/08/2016	63.30	0.02		3.30		19.79	14.00		193.50		3.10		4.20			0.02	0.02	0.02	0.48	0.02	6.40	0.08	5.00	240.00	11.23	11.00	8.74	0.48	6.00		
8/11/2016																															
8/02/2017	93.40	0.08		22.00		26.39	24.00		286.50		1.10		5.18			0.02	0.05	0.02	2.80	0.02	6.50	0.49	6.42	84.40	16.66	109.00	5.54	2.80	15.78		
9/05/2017	33.20	0.03		3.00	0.00	13.31	16.00	0.00	158.70	0.00	2.00	0.00	3.03	0.37	0.00	0.22	0.02	0.24	0.66	0.02	6.00	0.07	5.00	361.90	9.61	13.00	16.60	0.42	4.89	0.01	
9/08/2017	85.05	0.02		2.70		24.73	20.00		224.10		2.00		4.47			0.02	0.02	0.02	0.53	0.02	6.00	0.08	5.00	334.00	11.89	18.00	4.33	0.53	7.66		
8/11/2017	45.84	0.03		2.70		16.32	22.50		189.50		1.90		3.03			0.02	0.11	0.11	0.74	0.02	6.10	0.15	5.00	391.60	12.22	19.00	10.48	0.63	6.97		
10/02/2018																															
9/05/2018	45.10	0.06	0.00	3.60	0.00	15.98	20.00	0.00	161.80	0.00	4.40	0.00	2.79	0.32	0.00	0.02	0.02	0.02	0.86	0.02	6.50	0.11	2.20	254.10	10.60	8.00	5.89	0.86	6.81	0.01	
1/08/2018																															
14/11/2018	74.83	0.00		11.10		23.88	24.50		235.00		2.24		4.29			0.02	0.02	0.02	1.40	0.02	6.49	0.23	4.02	9.00	14.50	32.00	3.00	1.40	14.29		
10/02/2019																															
15/05/2019	68.00	0.02	0.00	9.60	0.00	23.00	18.00	0.00	204.00	0.00	3.60	0.00	4.20	0.54	0.00	0.02	0.02	0.02	1.29	0.02	6.40	0.32	3.70	42.00	13.00	64.00	3.00	1.29	12.00	0.01	
14/08/2019	58.00	0.02		9.00		19.00	16.00		178.00		2.00		3.70			0.02	0.02	0.02	0.92	0.02	6.50	0.34	3.00	258.20	11.00	144.00	2.20	0.92	12.00		
12/11/2019																															
26/02/2020	46.00	0.02		3.60		13.00	10.00		125.00		1.60		2.10			0.02	0.02	0.02	0.75	0.02	6.60	0.12	2.70	193.00	6.40	7.50	2.30	0.75	11.00		
13/05/2020	107.00	0.02	0.00	16.00	0.00	30.00	30.00	0.00	266.00	0.00	5.80	0.00	5.20	1.48	0.00	0.02	0.02	0.02	2.19	0.02	6.60	0.15	2.80	278.50	14.00	51.00	2.20	2.19	16.00	0.01	
12/08/2020	70.00	0.02		2.40		21.00	17.00		187.00		4.20		3.70			0.02	0.02	0.02	0.62	0.02	6.60	0.06	2.50	266.90	12.00	6.50	3.60	0.62	11.00		
11/11/2020	109.00	0.02		10.00		31.00	18.00		276.00		1.10		5.80			0.02	0.02	0.02	1.69	0.02	6.50	0.30	3.00	44.80	15.00	31.00	2.30	1.69	18.00		
2020 Min	46.00	0.02	0.00	2.40	0.00	13.00	10.00	0.00	125.00	0.00	1.10	0.00	2.10	1.48	0.00	0.02	0.02	0.02	0.62	0.02	6.50	0.06	2.50	44.80	6.40	6.50	2.20	0.62	11.00	0.01	
2020 Max	109.00	0.02	0.00	16.00	0.00	31.00	30.00	0.00	276.00	0.00	5.80	0.00	5.80	1.48	0.00	0.02	0.02	0.02	2.19	0.02	6.60	0.30	3.00	278.50	15.00	51.00	3.60	2.19	18.00	0.01	
2020 Mean	83.00	0.02	0.00	8.00	0.00	23.75	18.75	0.00	213.50	0.00	3.18	0.00	4.20	1.48	0.00	0.02	0.02	0.02	1.31	0.02	6.58	0.16	2.75	195.80	11.85	24.00	2.60	1.31	14.00	0.01	
Long-term Average	71.12	0.03	0.00	5.48	0.00	21.74	19.97	0.01	221.97	0.01	2.91	0.01	4.06	1.19	0.01	0.07	0.03	0.08	0.95	0.02	6.44	0.13	4.57	166.83	12.45	66.61	7.43	0.89	8.16	0.02	

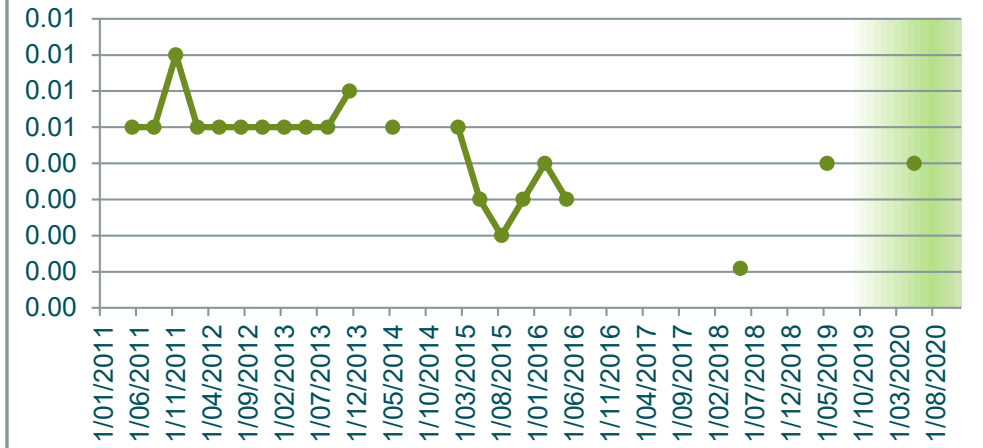
**Alkalinity
mg/L as CaCO3**



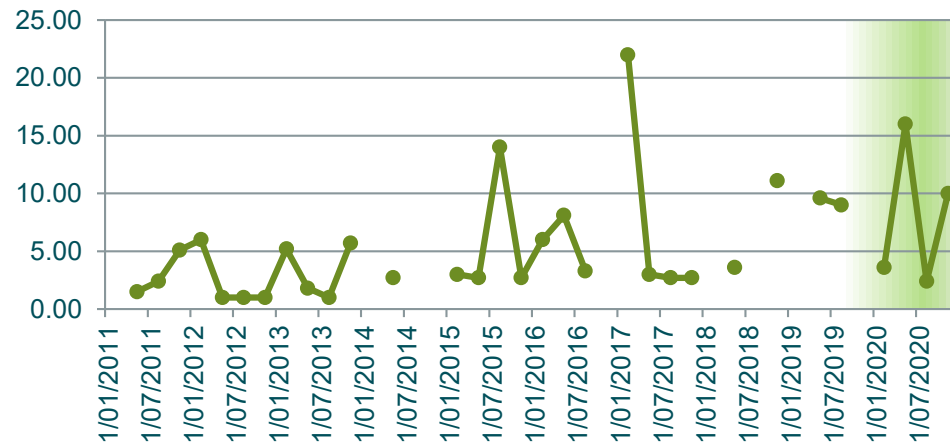
**Ammonia
mg/L**



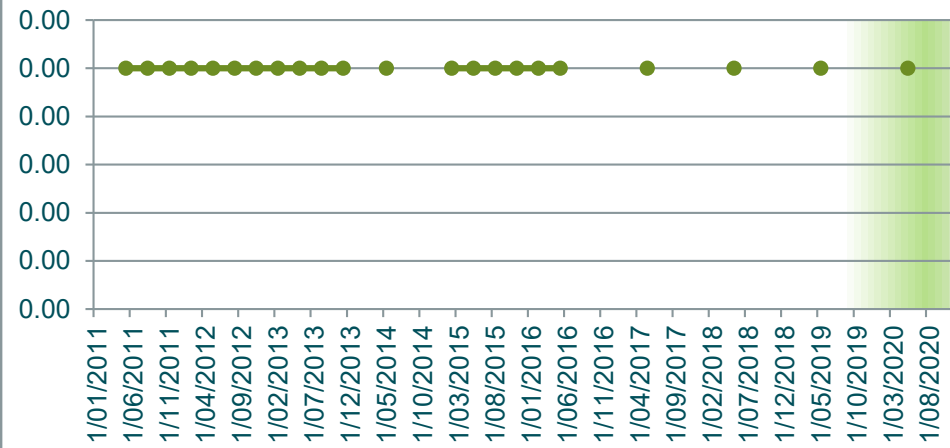
**Arsenic (Total)
mg/L**



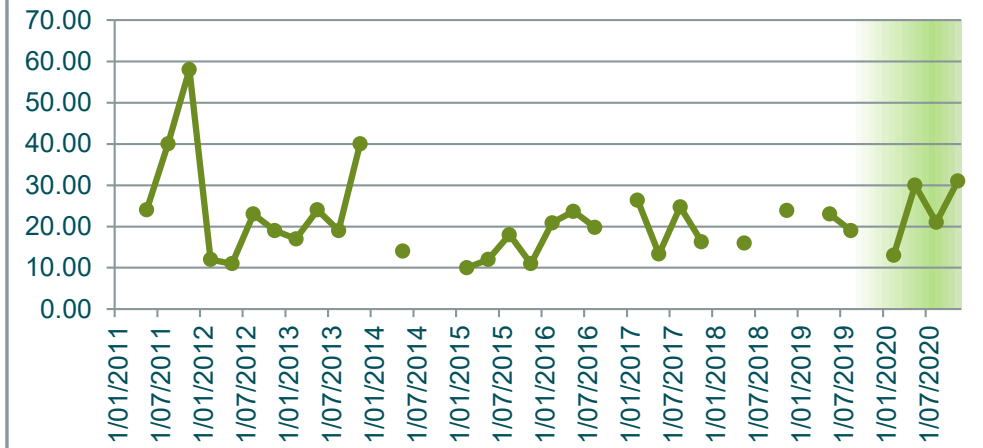
**BOD5
mg/L**



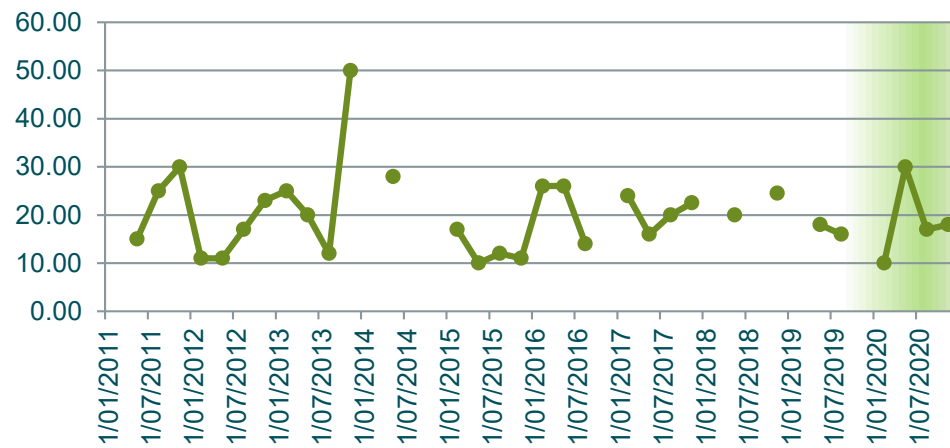
**Cadmium (Total)
mg/L**



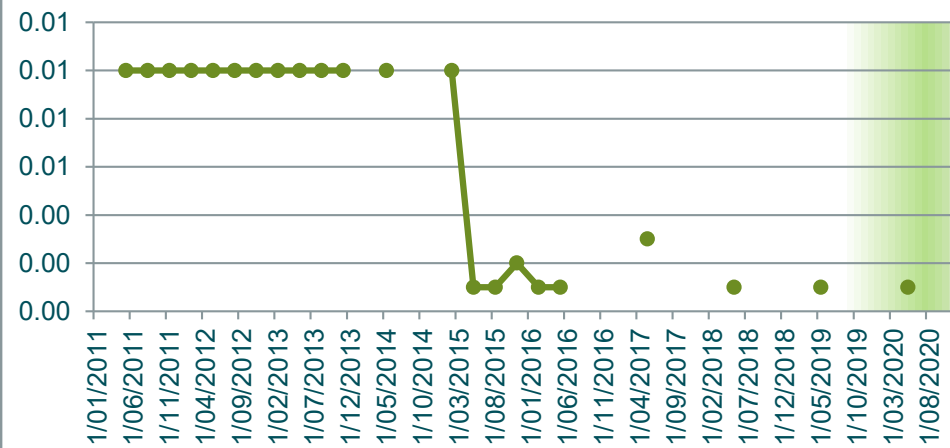
**Calcium (Total)
mg/L**



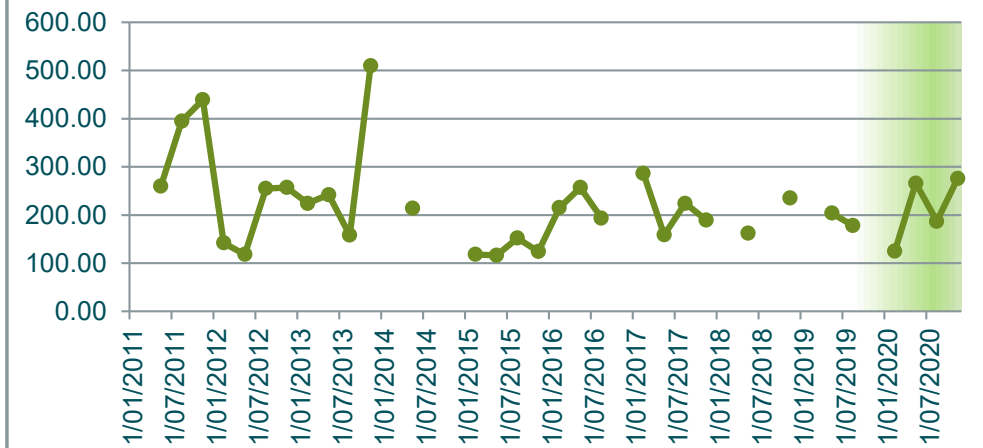
**Chloride
mg/L**



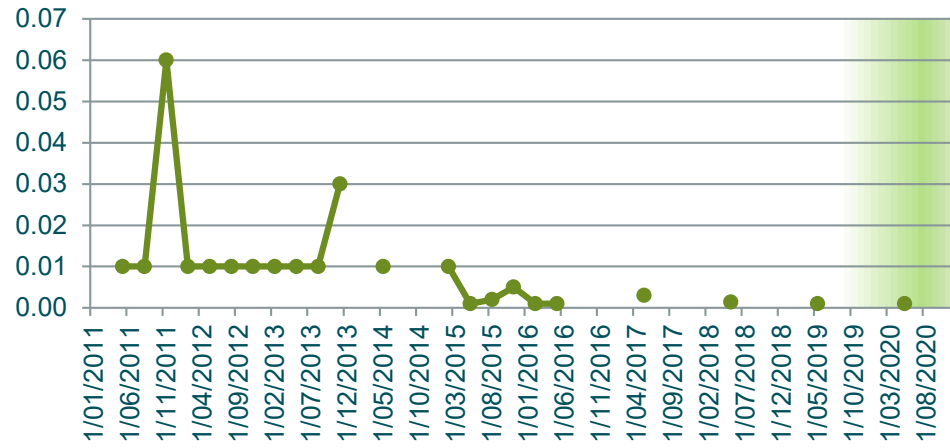
**Chromium (Total)
mg/L**



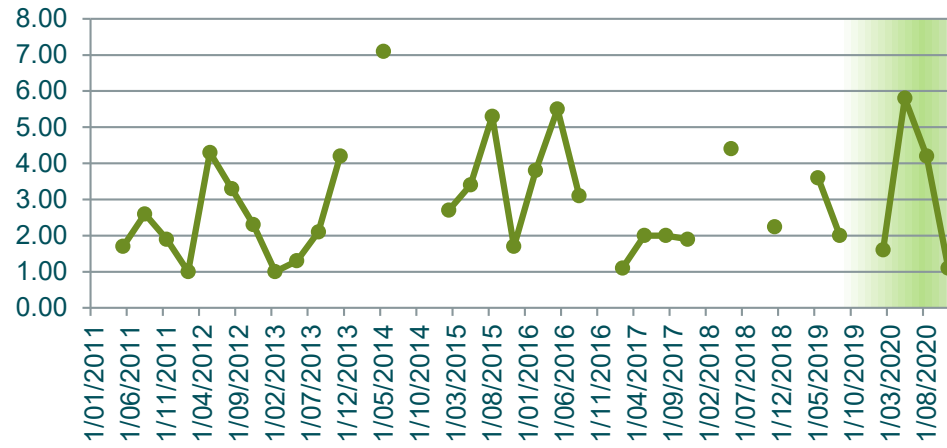
**Conductivity
µScm-1**



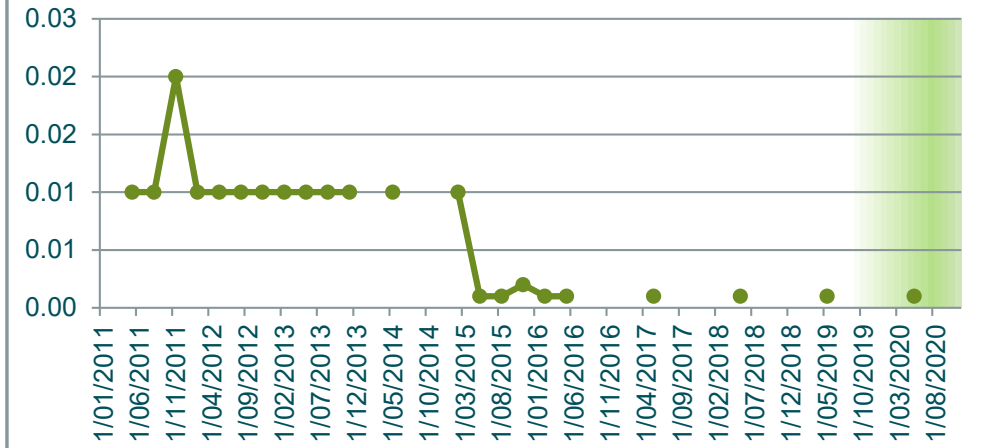
Copper (Total) mg/L



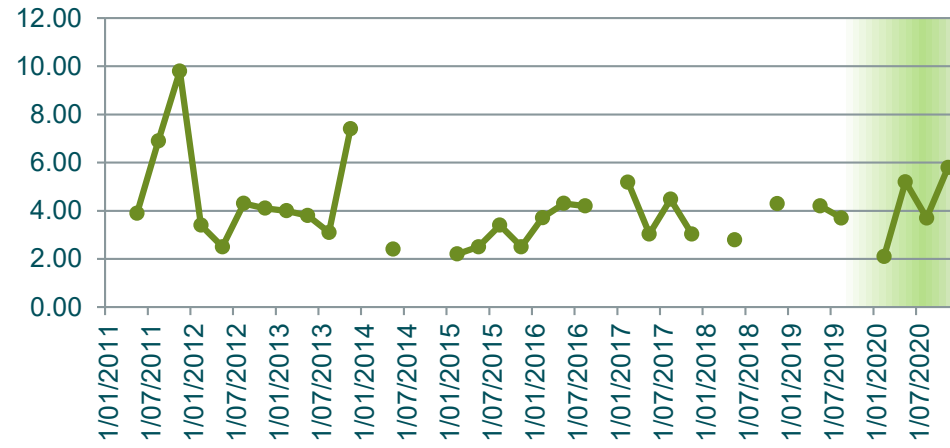
DO (Membrane Electrode) mg/L



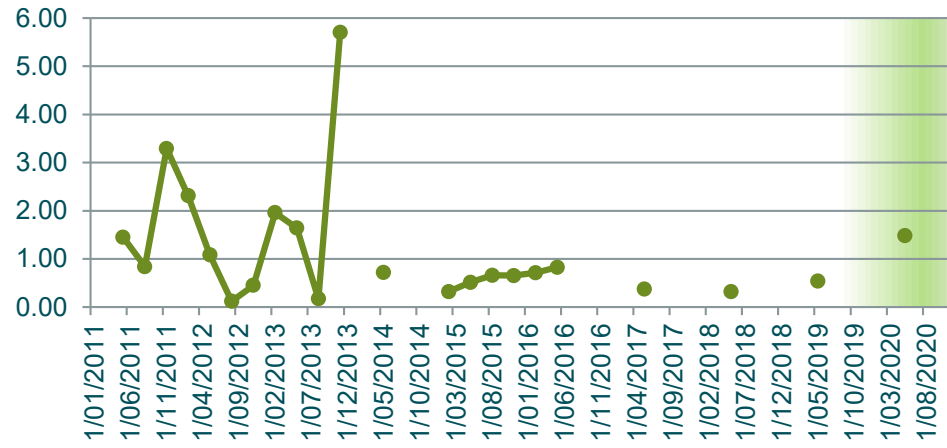
Lead (Total) mg/L



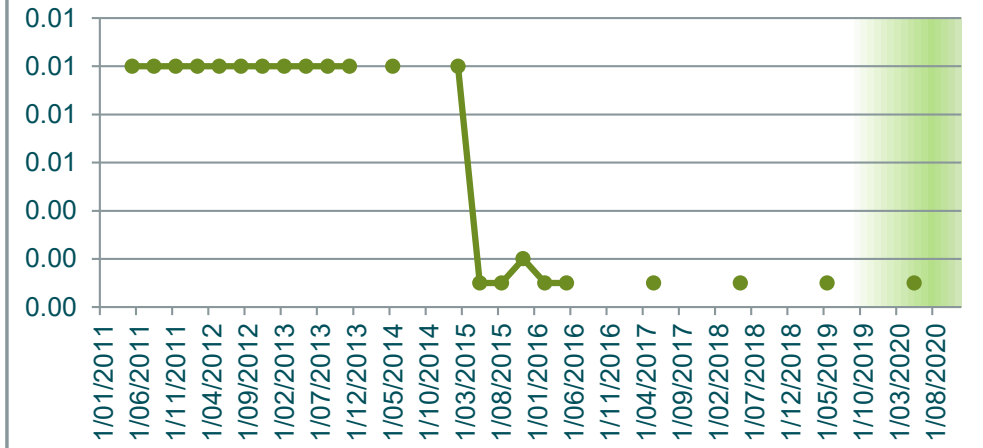
Magnesium (Total) mg/L



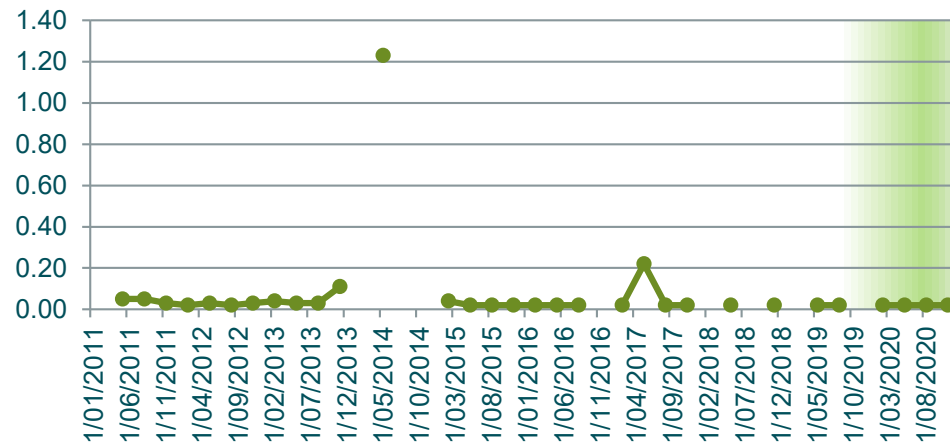
Manganese Total mg/L



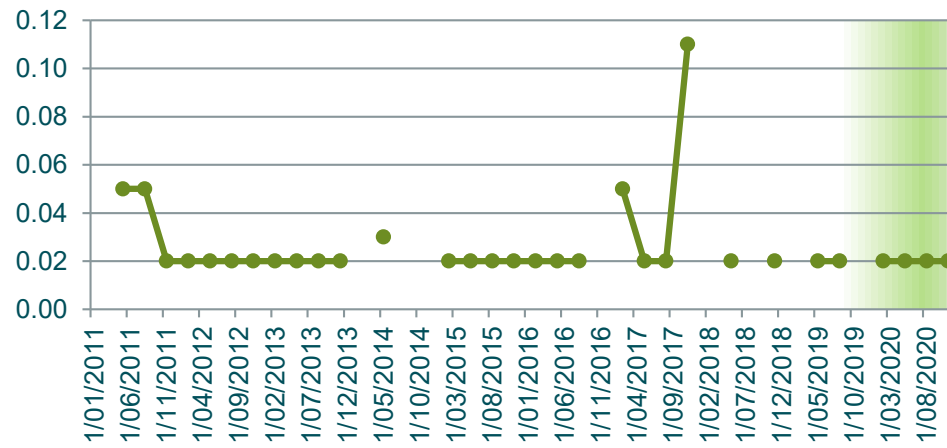
Nickel (Total) mg/L



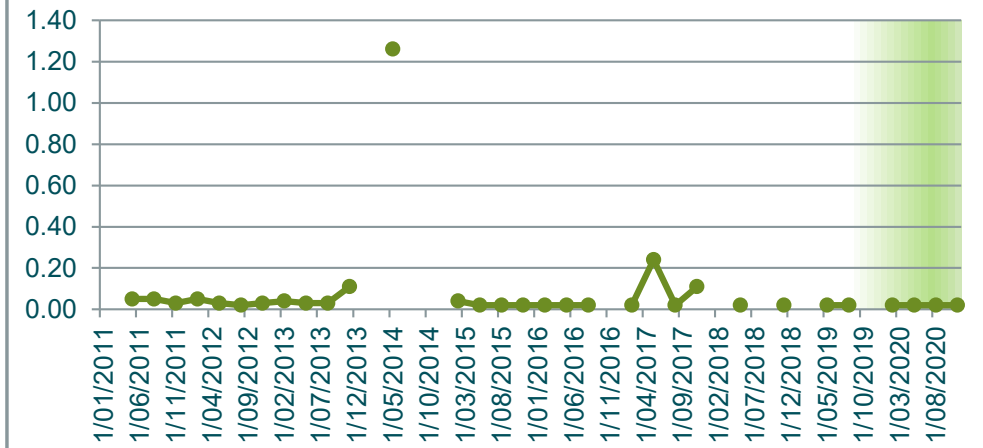
Nitrate N mg/L



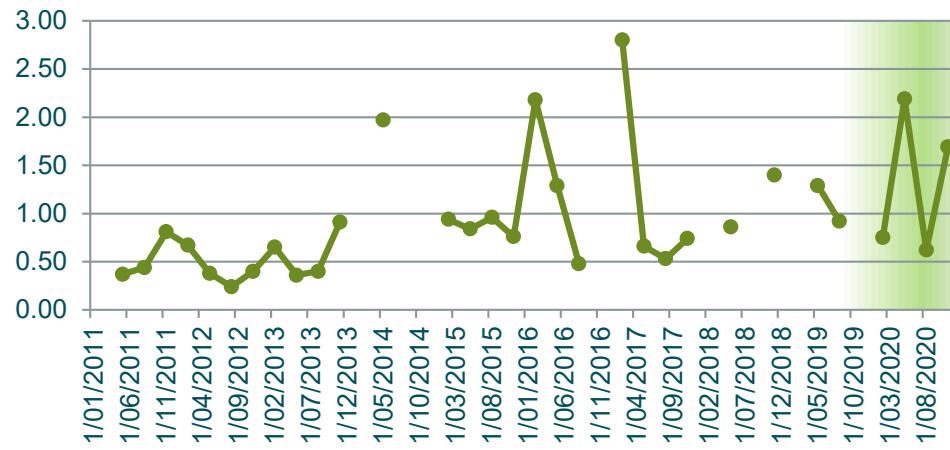
Nitrite N mg/L



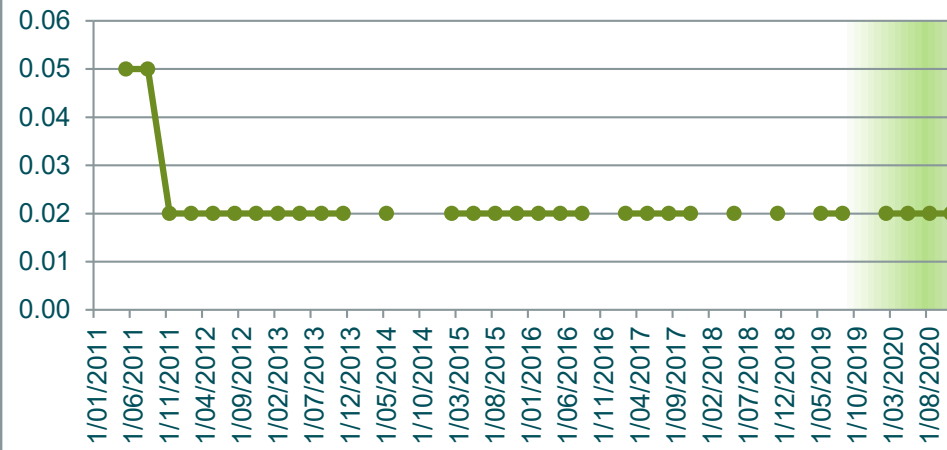
Nitrogen Oxidised mg/L



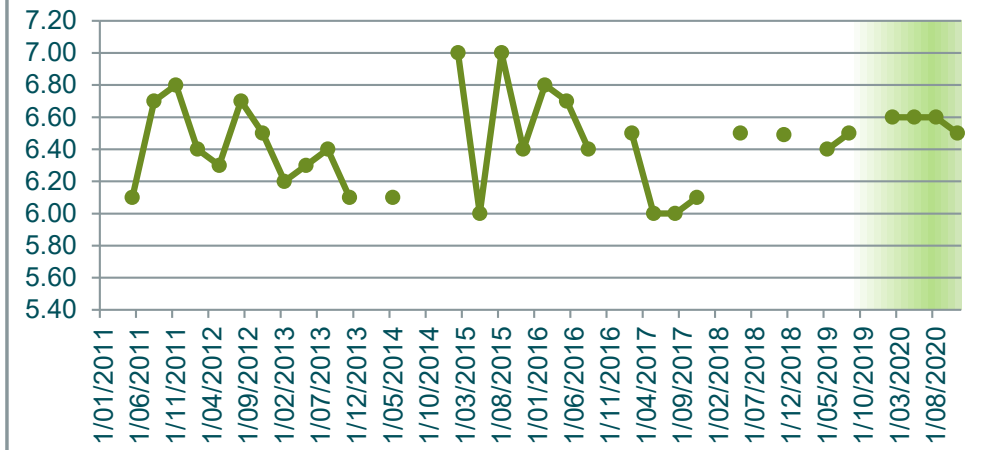
Nitrogen Total mg/L



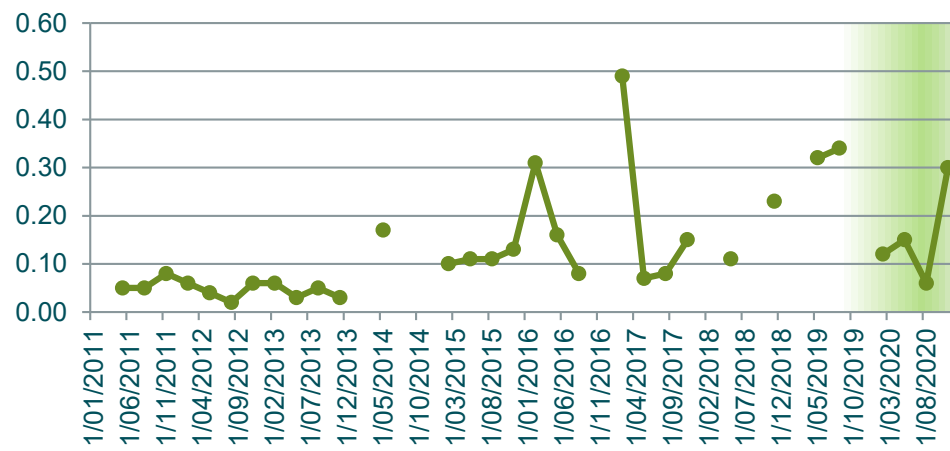
Orthophosphate mg/L



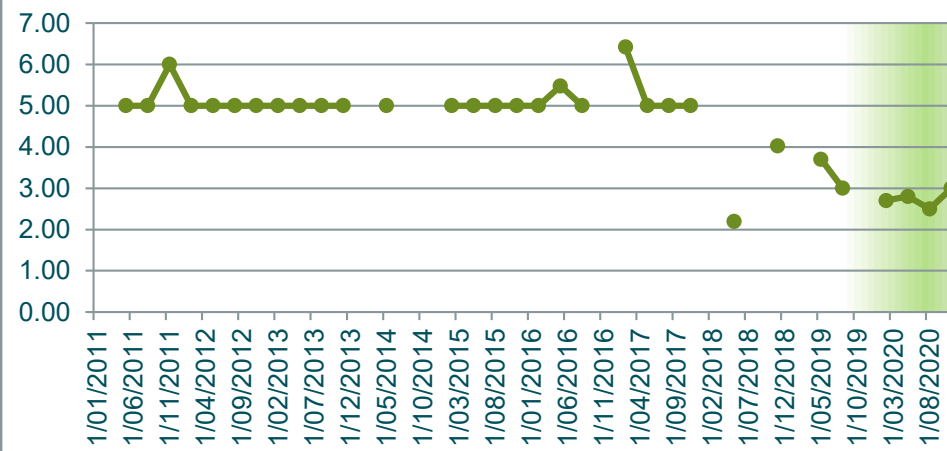
pH pH units



Phosphorus Total mg/L



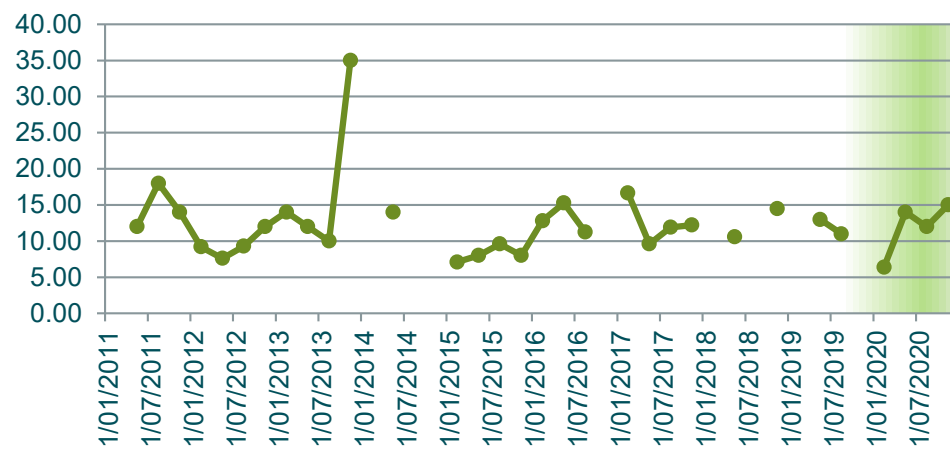
Potassium Total mg/L



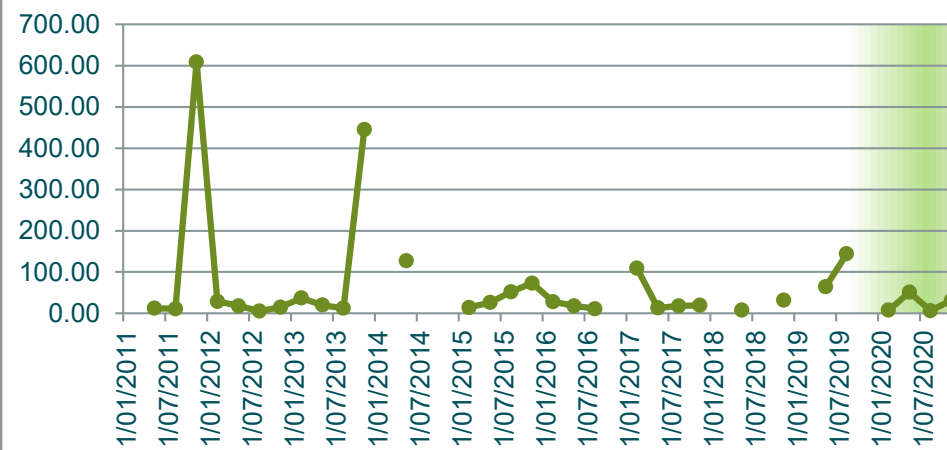
Redox Potential mV



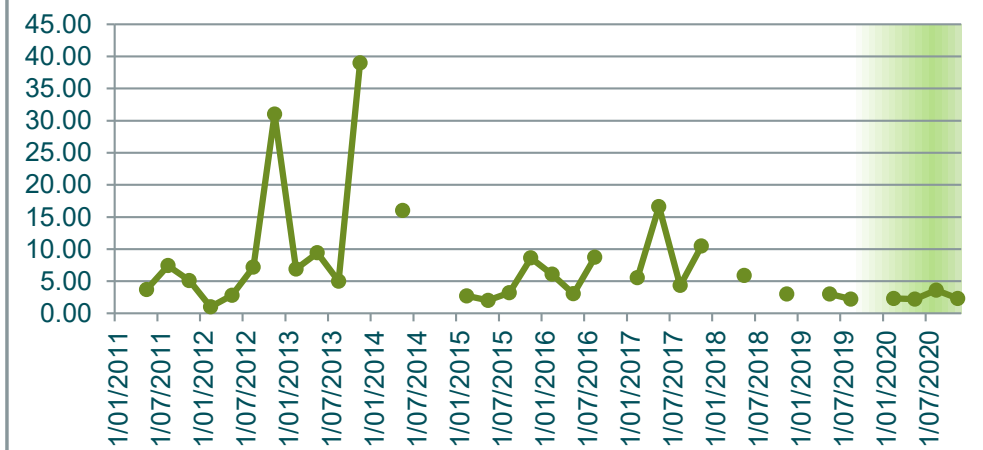
Sodium (Total) mg/L



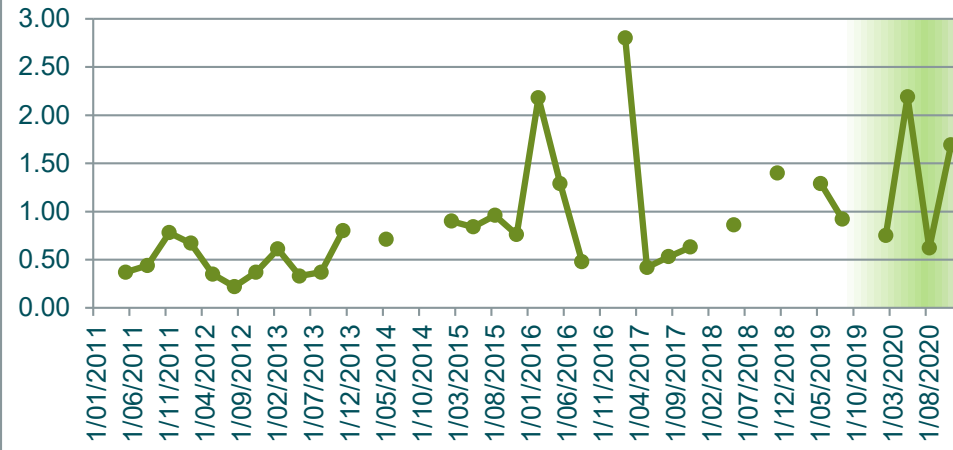
Solids Suspended mg/L



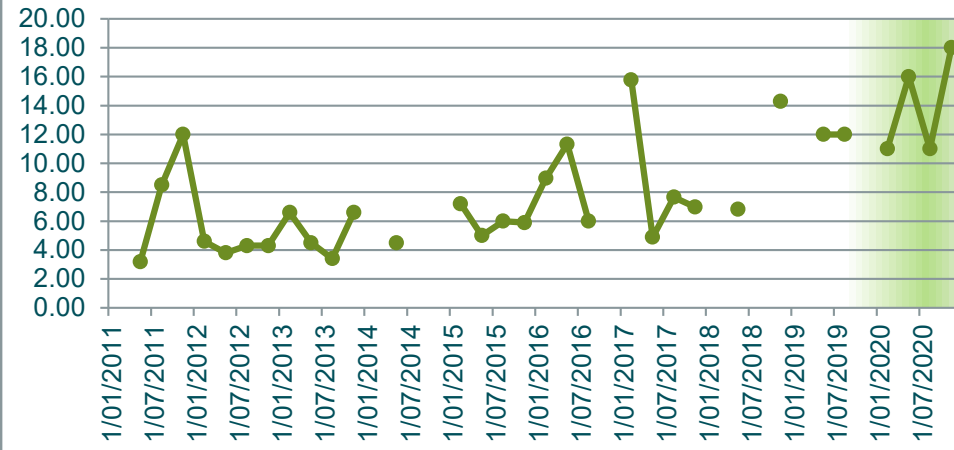
Sulphate mg/L



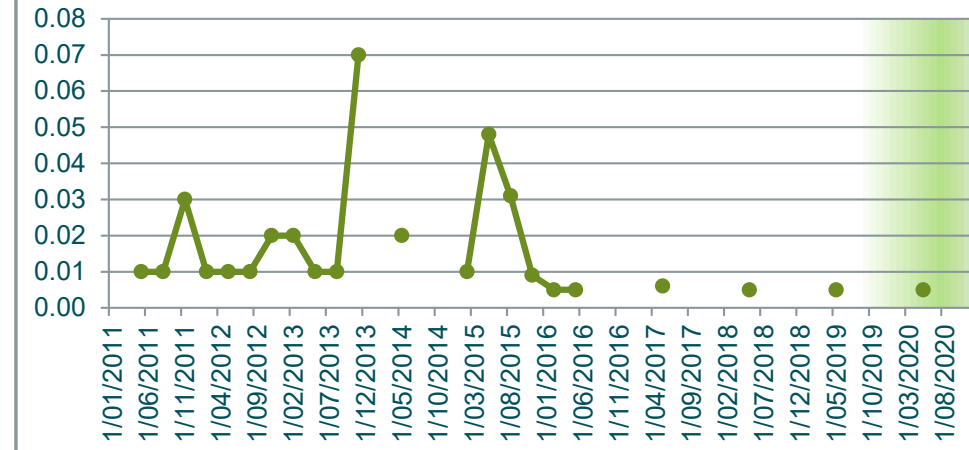
TKN mg/L



TOC mg/L



Zinc (Total) mg/L

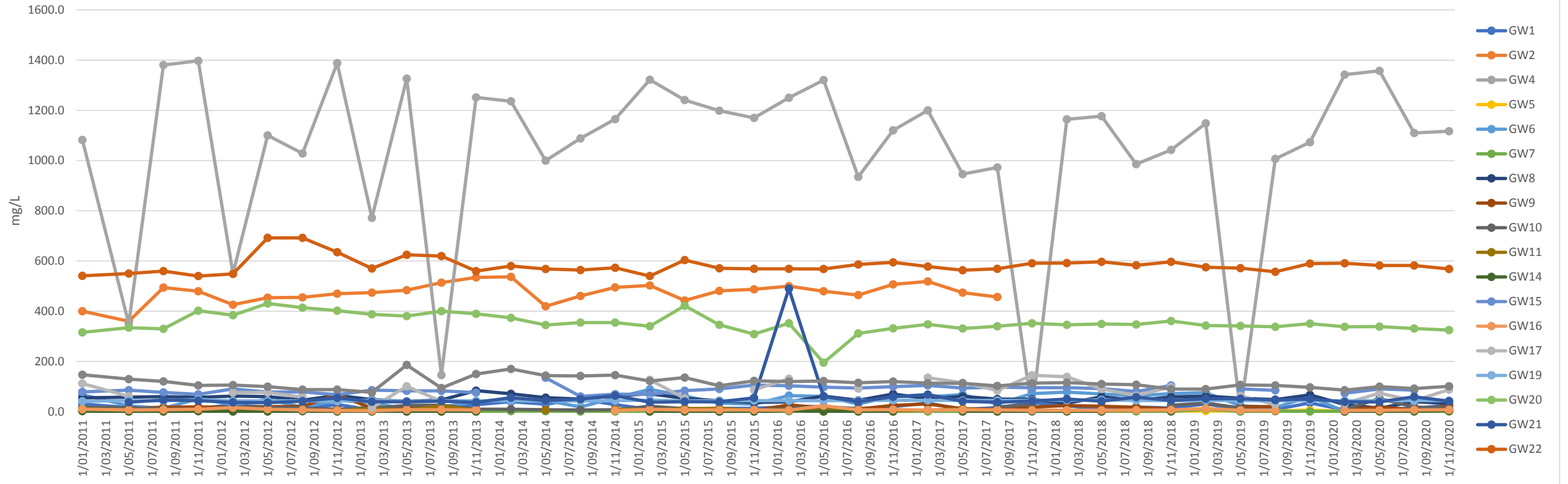


Appendix D – Water Quality Monitoring Graphs of each Parameter

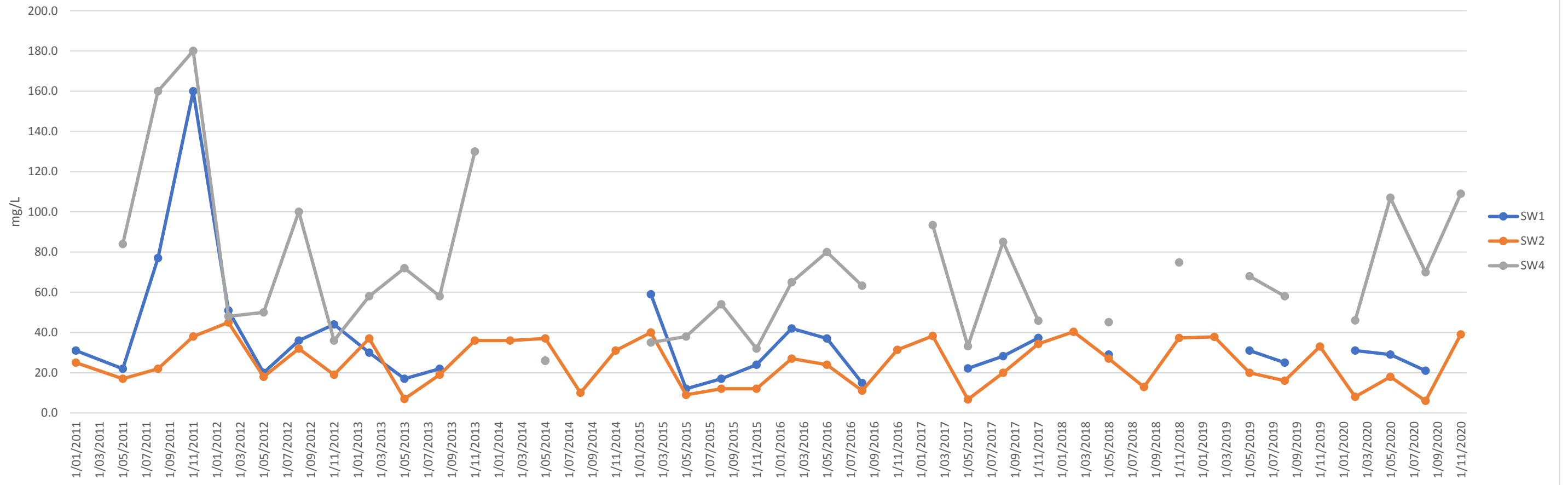
Alkalinity	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	31.0	400.0	1082.0	6.0	68.0	9.0	55.0	16.0	17.0	12.0	2.0	79.0	10.0	112.0	41.0	316.0		541.0	147.0
10/05/2011	16.0	360.0	350.0	2.0	23.0	2.0	58.0	11.0	17.0	6.0	1.0	86.0	7.0	61.0	45.0	335.0	38.0	550.0	130.0
9/08/2011	12.0	494.0	1380.0	4.0	13.0	1.0	60.0	18.0	11.0	5.0	1.0	77.0	8.0		43.0	330.0	47.0	560.0	121.0
8/11/2011	13.0	480.0	1397.0	5.0	52.0	3.0	57.0	19.0	9.0	6.0	2.0	69.0	10.0		49.0	402.0	44.0	540.0	105.0
6/02/2012	27.0	426.0	550.0	2.0	29.0	5.0	62.0	17.0	17.0	9.0	1.0	91.0	16.0	76.0	43.0	384.0	37.0	549.0	106.0
8/05/2012	18.0	454.0	1100.0	3.0	49.0	3.0	60.0	20.0	16.0	5.0	1.0	78.0	10.0	77.0	43.0	431.0	36.0	692.0	100.0
6/08/2012	12.0	455.0	1028.0	3.0	18.0	4.0	46.0	21.0	15.0	6.0	2.0	79.0	7.0	58.0	43.0	414.0	42.0	692.0	88.0
13/11/2012	29.0	470.0	1388.0	4.0	45.0	2.0	65.0	69.0	10.0	4.0	1.0	68.0	5.0		42.0	402.0	55.0	635.0	88.0
13/02/2013	7.0	474.0	772.0	2.0	36.0	22.0	48.0	13.0	14.0	12.0	1.0	86.0	4.0	16.0	46.0	388.0	40.0	570.0	77.0
14/05/2013	9.0	484.0	1326.0	2.0	10.0	1.0	41.0	19.0	25.0	6.0	1.0	83.0	8.0	101.0	41.0	381.0	39.0	625.0	186.0
6/08/2013	11.0	514.0	146.0	2.0	18.0	1.0	47.0	16.0	26.0	24.0	1.0	83.0	8.0	41.0	44.0	400.0	42.0	620.0	94.0
12/11/2013	28.0	535.0	1251.0	4.0	41.0	1.0	84.0		10.0	5.0	1.0	76.0	7.0		43.0	390.0	37.0	560.0	150.0
11/02/2014	40.0	537.0	1236.0	6.0	48.0	2.0	71.0		10.0						44.0	374.0	56.0	580.0	170.0
13/05/2014	30.0	420.0	1000.0	5.0	45.0	2.0	56.0		8.0	7.0		135.0			42.0	345.0	44.0	568.0	144.0
12/08/2014	50.0	461.0	1088.0	4.0	19.0	1.0	50.0		7.0			61.0			43.0	355.0	50.0	564.0	142.0
10/11/2014	28.0	495.0	1165.0	2.0	55.0	1.0	63.0		8.0	10.0		70.0	5.0		44.0	355.0	64.0	573.0	146.0
9/02/2015	9.0	503.0	1322.0	1.0	89.0	2.0	71.0	12.0	22.0	8.0	1.0	69.0	9.0	127.0	46.0	340.0	38.0	540.0	122.0
11/05/2015	12.0	443.0	1241.0	2.0	62.0	1.0	53.0	13.0	12.0	12.0	1.0	84.0	7.0	53.0	43.0	422.0	40.0	604.0	136.0
11/08/2015	13.0	481.0	1198.0	2.0	34.0	1.0	43.0	9.0	1.0	13.0	1.0	91.0	7.0		44.0	346.0	39.0	571.0	103.0
10/11/2015	13.0	487.0	1170.0	1.0	30.0	1.0	37.0	4.0	8.0	6.0	1.0	106.0	7.0	87.0	44.0	309.0	55.0	569.0	123.0
8/02/2016	20.0	500.0	1250.0	4.0	64.0	2.0	39.0	27.0	12.0	7.0	4.0	103.0	6.0	131.0	44.0	352.0	490.0	569.0	120.0
9/05/2016	21.0	480.0	1320.0	3.0	61.0	1.0	62.0	15.0	22.0	6.0	1.0	98.0	24.0		44.0	195.0	61.0	568.0	122.0
9/08/2016	12.0	464.0	935.0	2.4	30.7	1.4	45.5	10.6	6.4	5.1	1.0	94.4	7.0	91.8	44.5	312.0	40.0	586.0	115.0
7/11/2016	20.2	507.0	1120.0	1.6	61.6	1.0	70.3	25.4		4.6	1.0	99.7	8.6		45.7	332.0	59.4	595.0	120.0
7/02/2017	34.1	519.0	1200.0	2.9	58.6	1.0	52.5	30.5	8.0	5.5		105.0	6.5	135.0	45.3	348.0	68.2	578.0	114.0
8/05/2017	8.9	474.0	946.0	1.2	68.7	1.0	60.8	11.6		11.1	1.0	94.2	8.0	115.0	44.7	331.0	41.5	563.0	113.0
8/08/2017	16.4	456.4	972.7	3.0	30.0	1.0	50.3	9.1	18.6	4.9	1.0	98.0	7.0	84.3	44.8	340.4	37.8	569.1	102.6
7/11/2017	35.6		1.0	4.9	71.7	2.9	49.5	18.0	28.4	6.2	2.0	95.7	5.6	145.2	45.4	352.3	42.4	591.1	114.0
14/02/2018	23.54		1164	2.85	77.89	1.00	33.33	24.30		5.75	1.27	95.37	5.64	138.97	45.36	345.62	50.48	591.57	115.47
9/05/2018	10.40		1177		70.84	1.00	59.28	21.46		4.84	1.00	92.03	5.38	90.72	47.16	349.39	41.81	596.74	109.89
15/08/2018	18.98		985	2.56	63.81	1.81	45.50	17.71		5.46		80.27	6.28	63.92	44.72	347.47	57.76	583.08	107.25
14/11/2018	14.64		1042	2.05	71.71	1.00	58.73	11.30	25.86	5.40	1.46	104.77	7.12	98.05	44.30	360.92	44.64	596.63	89.88
13/02/2019	30.64		1148	2.92	75.98	9.72	62.01		34.20				12.98		44.42	343.33	51.97	575.47	89.99
15/05/2019	10.00		1	3.00	24.00	1.00	54.00	20.00	15.00	5.00		91.00	6.00	63.00	45.00	342.00	52.00	572.00	107.00
14/08/2019	9.00		1007	3.00	17.00	2.00	48.00	20.00		4.00		85.00	6.00	29.00	43.00	338.00	47.00	557.00	105.00
13/11/2019	35.00		1073	6.00	59.00	1.00	67.00								45.00	351.00	50.00	590.00	97.00
25/02/2020	7.0		1342.0	2.0	1.0	1.0	29.0	8.0	9.0	6.0	1.0	73.0	5.0	33.0	43.0	338.0	39.0	591.0	86.0
12/05/2020	9.0		1357.0	1.0	20.0	1.0	14.0	19.0	52.0	4.0	2.0	91.0	6.0	74.0	44.0	339.0	39.0	582.0	100.0
11/08/2020	14.0		1110.0	2.0	1.0	1.0	40.0	7.0	18.0	6.0	2.0	86.0	7.0	43.0	45.0	331.0	59.0	582.0	92.0
10/11/2020	26.0		1117.0	2.0	8.0	1.0	33.0	23.0	15.0	4.0	4.0		8.0	88.0	44.0	325.0	42.0	568.0	101.0

Alkalinity	SW1	SW2	SW4
31/01/2011	31.0	25.0	
10/05/2011	22.0	17.0	84.0
9/08/2011	77.0	22.0	160.0
8/11/2011	160.0	38.0	180.0
6/02/2012	51.0	45.0	48.0
8/05/2012	20.0	18.0	50.0
6/08/2012	36.0	32.0	100.0
13/11/2012	44.0	19.0	36.0
13/02/2013	30.0	37.0	58.0
14/05/2013	17.0	7.0	72.0
6/08/2013	22.0	19.0	58.0
12/11/2013		36.0	130.0
11/02/2014		36.0	
13/05/2014	26.0	37.0	26.0
12/08/2014		10.0	
10/11/2014		31.0	
9/02/2015	59.0	40.0	35.0
11/05/2015	12.0	9.0	38.0
11/08/2015	17.0	12.0	54.0
10/11/2015	24.0	12.0	32.0
8/02/2016	42.0	27.0	65.0
9/05/2016	37.0	24.0	80.0
9/08/2016	14.9	11.1	63.3
7/11/2016		31.4	
7/02/2017		38.3	93.4
8/05/2017	22.1	6.7	33.2
8/08/2017	28.3	19.9	85.1
7/11/2017	37.3	34.3	45.8
14/02/2018		40.3	
9/05/2018	29.0	27.0	45.1
15/08/2018		12.9	
14/11/2018		37.3	74.8
10/02/2019		37.84	
15/05/2019	31.00	20.00	68.00
14/08/2019	25.00	16.00	58.00
13/11/2019		33.00	
25/02/2020	31.0	8.0	46.0
12/05/2020	29.0	18.0	107.0
11/08/2020	21.0	6.0	70.0
10/11/2020		39.0	109.0

Alkalinity (mg/L as CaCO3)



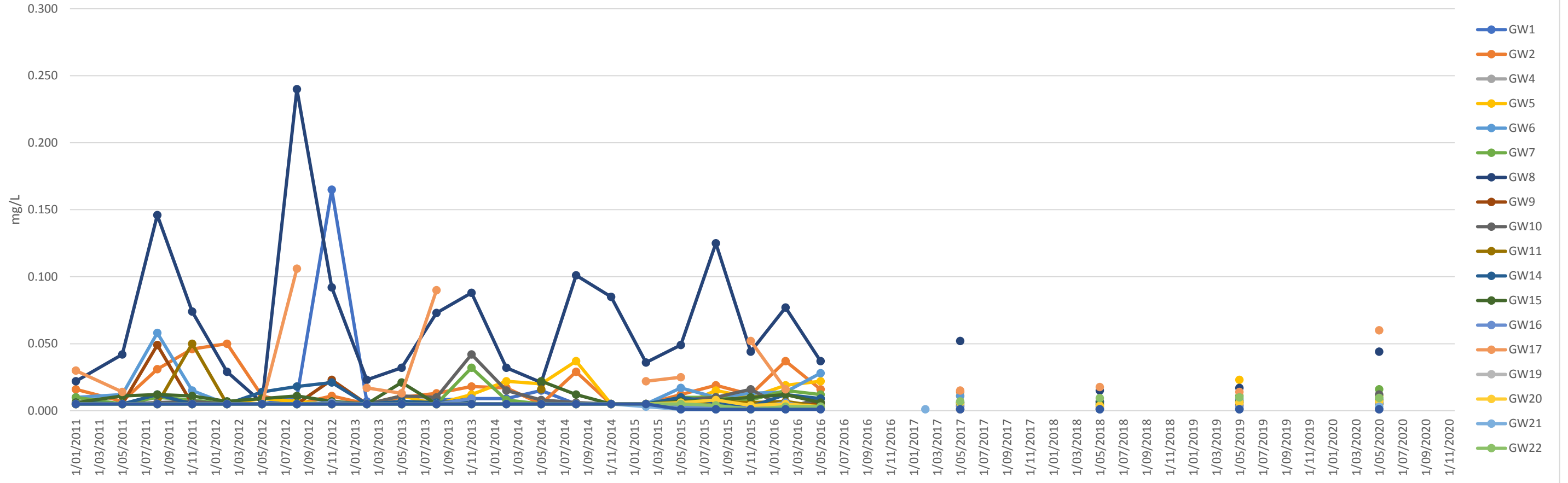
Alkalinity (mg/L as CaCO3)



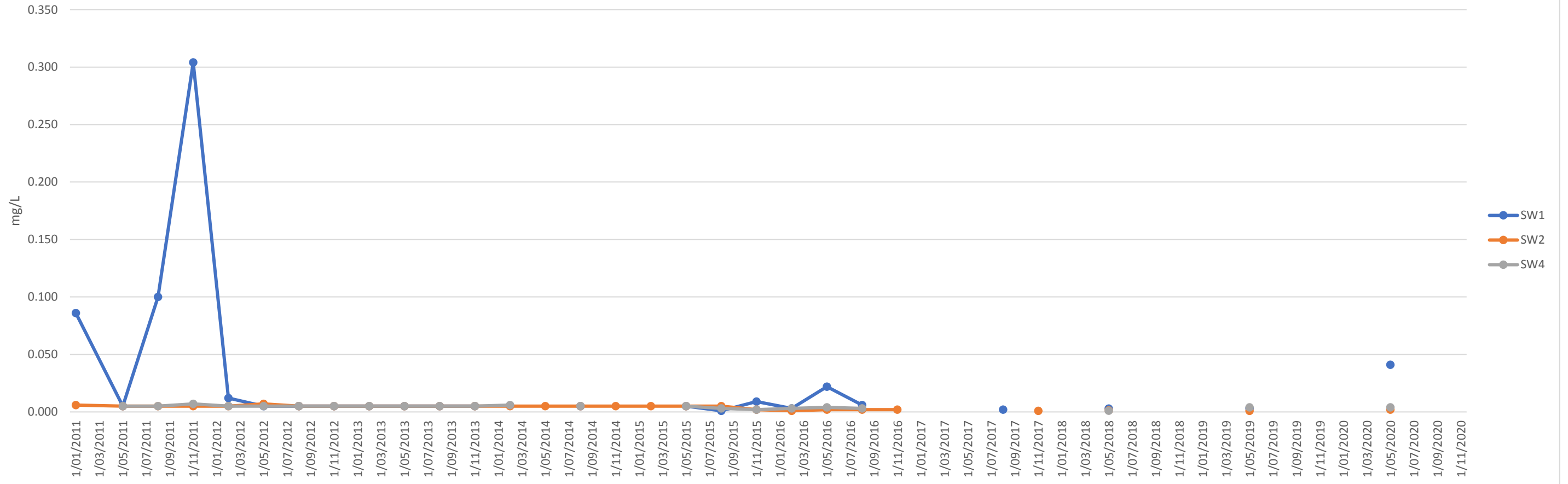
As	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.005	0.016	0.005	0.005	0.010	0.010	0.022	0.005	0.005	0.005	0.006	0.006	0.005	0.030	0.005	0.005	0.005	0.005	0.005
10/05/2011	0.005	0.007	0.005	0.005	0.012	0.005	0.042	0.005	0.005	0.005	0.005	0.011	0.005	0.014	0.005	0.005	0.005	0.005	0.005
9/08/2011	0.005	0.031	0.005	0.005	0.058	0.010	0.146	0.049	0.006	0.005	0.012	0.012	0.005		0.005	0.005	0.005	0.005	0.005
8/11/2011	0.005	0.046	0.005	0.005	0.015	0.008	0.074	0.005	0.007	0.050	0.005	0.011	0.005		0.005	0.005	0.005	0.005	0.005
6/02/2012	0.005	0.050	0.005	0.005	0.005	0.005	0.029	0.005	0.005	0.005	0.005	0.007	0.005	0.005	0.005	0.005	0.005	0.005	0.005
8/05/2012	0.005	0.011	0.005	0.009	0.005	0.005	0.006	0.005	0.005	0.005	0.014	0.009	0.005	0.005	0.005	0.005	0.005	0.005	0.005
6/08/2012	0.010	0.005	0.005	0.007	0.005	0.005	0.240	0.005	0.005	0.005	0.018	0.011	0.005	0.106	0.005	0.005	0.005	0.005	0.005
13/11/2012	0.165	0.011	0.005	0.005	0.005	0.005	0.092	0.023	0.005	0.005	0.021	0.007	0.006		0.005	0.005	0.005	0.005	0.005
13/02/2013	0.007	0.005	0.005	0.005	0.005	0.005	0.023	0.005	0.005	0.005	0.005	0.005	0.005	0.017	0.005	0.005	0.005	0.005	0.005
14/05/2013	0.005	0.010	0.005	0.011	0.005	0.005	0.032	0.005	0.011	0.005	0.007	0.021	0.005	0.013	0.005	0.005	0.005	0.005	0.005
6/08/2013	0.008	0.013	0.005	0.005	0.005	0.005	0.073	0.005	0.010	0.005	0.006	0.005	0.005	0.090	0.005	0.005	0.005	0.005	0.005
12/11/2013	0.009	0.018	0.005	0.012	0.005	0.032	0.088		0.042	0.008	0.008	0.009	0.009		0.005	0.005	0.005	0.005	0.005
11/02/2014	0.009	0.017	0.005	0.022	0.005	0.008	0.032		0.015						0.005	0.005	0.005	0.005	0.005
13/05/2014	0.015	0.005	0.005	0.020	0.005	0.005	0.021		0.008	0.016		0.022			0.005	0.005	0.005	0.005	0.005
12/08/2014	0.005	0.029	0.005	0.037	0.005	0.005	0.101		0.006			0.012			0.005	0.005	0.005	0.005	0.005
10/11/2014	0.005	0.005	0.005	0.005	0.005	0.005	0.085		0.005	0.005		0.005	0.005		0.005	0.005	0.005	0.005	0.005
9/02/2015	0.005	0.005	0.005	0.005	0.005	0.005	0.036	0.005	0.005	0.005	0.005	0.005	0.005	0.022	0.005	0.005	0.003	0.005	0.005
11/05/2015	0.001	0.012	0.004	0.004	0.017	0.010	0.049	0.005	0.008	0.006	0.010	0.007	0.003	0.025	0.001	0.006	0.001	0.005	0.001
11/08/2015	0.001	0.019	0.004	0.015	0.010	0.010	0.125	0.007	0.010	0.007	0.006	0.008	0.003		0.001	0.008	0.001	0.004	0.001
10/11/2015	0.005	0.012	0.001	0.010	0.013	0.008	0.044	0.003	0.016	0.006	0.003	0.010	0.002	0.052	0.001	0.004	0.001	0.001	0.001
8/02/2016	0.002	0.037	0.002	0.019	0.014	0.015	0.077	0.003	0.002	0.007	0.012	0.012	0.006	0.016	0.001	0.005	0.001	0.003	0.001
9/05/2016	0.002	0.016	0.005	0.022	0.028	0.012	0.037	0.006	0.009	0.003	0.009	0.006	0.001		0.001	0.003		0.003	0.001
9/08/2016																			
7/11/2016																			
7/02/2017																	0.001		
8/05/2017	0.001	0.014	0.004	0.011	0.011	0.005	0.052	0.001		0.003	0.006	0.006	0.003	0.015	0.001	0.006		0.007	0.001
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.001		0.001		0.006	0.005	0.015	0.007		0.003	0.007	0.005	0.002	0.018	0.001	0.004	0.001	0.009	0.001
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.00		0.00	0.02	0.01	0.01	0.02	0.00	0.01	0.01		0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	0.00		0.005	0.011	0.010	0.016	0.044	0.006	0.012	0.005	0.006	0.008	0.006	0.060	0.00	0.007	0.003	0.010	0.00
11/08/2020																			
10/11/2020																			

As	SW1	SW2	SW4
31/01/2011	0.086	0.006	
10/05/2011	0.005	0.005	0.005
9/08/2011	0.100	0.005	0.005
8/11/2011	0.304	0.005	0.007
6/02/2012	0.012	0.005	0.005
8/05/2012	0.005	0.007	0.005
6/08/2012	0.005	0.005	0.005
13/11/2012	0.005	0.005	0.005
13/02/2013	0.005	0.005	0.005
14/05/2013	0.005	0.005	0.005
6/08/2013	0.005	0.005	0.005
12/11/2013	0.005	0.005	0.005
11/02/2014		0.005	0.006
13/05/2014		0.005	
12/08/2014	0.005	0.005	0.005
10/11/2014		0.005	
9/02/2015		0.005	
11/05/2015	0.005	0.005	0.005
11/08/2015	0.001	0.005	0.003
10/11/2015	0.009	0.002	0.002
8/02/2016	0.003	0.001	0.003
9/05/2016	0.022	0.002	0.004
9/08/2016	0.006	0.002	0.003
7/11/2016		0.002	
7/02/2017			
8/05/2017			
8/08/2017	0.002		
7/11/2017		0.001	
14/02/2018			
9/05/2018	0.003	0.001	0.001
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.00	0.00	0.00
14/08/2019			
13/11/2019			
25/02/2020			
12/05/2020	0.04	0.00	0.00
11/08/2020			
10/11/2020			

Total Arsenic (mg/L)

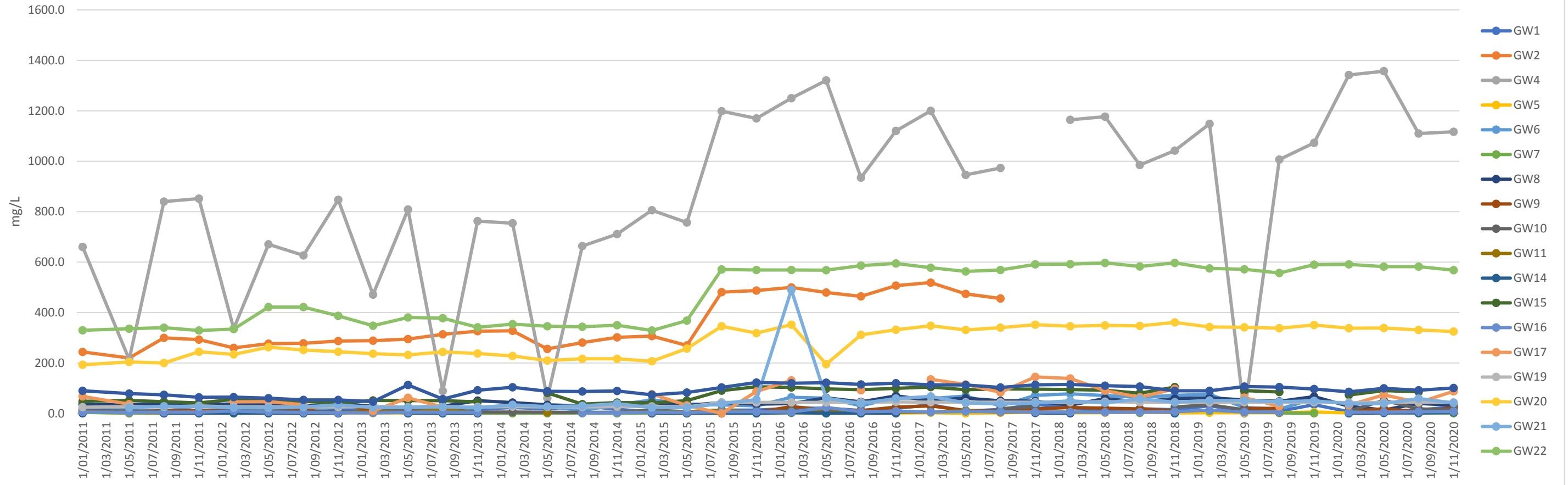


Total Arsenic (mg/L)



Bicarbonate	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	19.0	244.0	660.0	4.0	41.0	5.0	34.0	10.0	10.0	7.0	1.0	48.0	6.0	68.0	25.0	193.0		330.0	90.0
10/05/2011	10.0	220.0	214.0	1.0	14.0	1.0	35.0	7.0	10.0	4.0		52.0	4.0	37.0	27.0	204.0	23.0	336.0	79.0
9/08/2011	7.0	300.0	840.0	2.0	8.0	1.0	37.0	11.0	7.0	3.0	1.0	47.0	5.0		26.0	200.0	29.0	340.0	74.0
8/11/2011	8.0	293.0	852.0	3.0	32.0	2.0	35.0	12.0	5.0	4.0	1.0	42.0	6.0		30.0	245.0	27.0	329.0	64.0
6/02/2012	16.0	260.0	336.0	1.0	18.0	3.0	38.0	10.0	10.0	5.0	1.0	56.0	10.0	46.0	26.0	234.0	23.0	335.0	65.0
8/05/2012	11.0	277.0	671.0	2.0	30.0	2.0	37.0	12.0	10.0	3.0	1.0	48.0	6.0	47.0	26.0	263.0	22.0	422.0	61.0
6/08/2012	7.0	278.0	627.0	2.0	11.0	2.0	28.0	13.0	9.0	4.0	1.0	48.0	4.0	35.0	26.0	252.0	26.0	422.0	54.0
13/11/2012	18.0	287.0	847.0	2.0	27.0	1.0	40.0	42.0	6.0	2.0	1.0	41.0	3.0		26.0	245.0	34.0	387.0	54.0
13/02/2013	4.0	289.0	471.0	1.0	22.0	13.0	29.0	8.0	8.0	7.0		52.0	2.0	10.0	28.0	237.0	24.0	348.0	47.0
14/05/2013	5.0	295.0	809.0	1.0	6.0	1.0	25.0	12.0	15.0	4.0	1.0	51.0	5.0	62.0	25.0	232.0	24.0	381.0	113.0
6/08/2013	7.0	314.0	89.0	1.0	11.0	1.0	29.0	10.0	16.0	15.0	1.0	51.0	5.0	25.0	27.0	244.0	26.0	378.0	57.0
12/11/2013	17.0	326.0	763.0	2.0	25.0	1.0	51.0		6.0	3.0	1.0	46.0	4.0		26.0	238.0	23.0	342.0	92.0
11/02/2014	24.0	328.0	754.0	4.0	29.0	1.0	43.0		6.0						27.0	228.0	34.0	354.0	104.0
13/05/2014	18.0	256.0	61.0	3.0	27.0	1.0	34.0		5.0	4.0		82.0			26.0	210.0	27.0	346.0	88.0
12/08/2014	30.0	281.0	664.0	2.0	12.0	1.0	30.0		4.0			37.0	2.0		26.0	217.0	30.0	344.0	87.0
10/11/2014	17.0	302.0	711.0	1.0	34.0	1.0	38.0		5.0	6.0		43.0	3.0		27.0	217.0	39.0	350.0	89.0
9/02/2015	6.0	307.0	806.0	1.0	54.0	1.0	43.0	7.0	13.0	5.0	1.0	42.0	5.0	77.0	28.0	207.0	23.0	329.0	74.0
11/05/2015	7.0	270.0	757.0	1.0	38.0	1.0	32.0	8.0	7.0	7.0	1.0	51.0	4.0	32.0	26.0	257.0	24.0	368.0	83.0
11/08/2015	13.0	481.0	1198.0	2.0	34.0	1.0	43.0	9.0	1.0	13.0	1.0	91.0	7.0	NT	44.0	346.0	39.0	571.0	103.0
10/11/2015	13.0	487.0	1170.0	1.0	30.0	1.0	37.0	4.0	8.0	6.0	1.0	106.0	7.0	87.0	44.0	319.0	55.0	569.0	123.0
8/02/2016	20.0	500.0	1250.0	4.0	64.0	2.0	39.0	27.0	12.0	7.0	4.0	103.0	6.0	131.0	44.0	352.0	490.0	569.0	120.0
9/05/2016	21.0	480.0	1320.0	3.0	61.0	1.0	62.0	15.0	22.0	6.0	1.0	98.0	24.0		44.0	195.0	61.0	568.0	122.0
9/08/2016	12.0	464.0	935.0	2.0	31.0	1.0	46.0	11.0	6.0	5.0	1.0	94.0	7.0	92.0	44.0	312.0	40.0	586.0	115.0
7/11/2016	20.0	507.0	1120.0	2.0	62.0		70.0	25.0		5.0	1.0	100.0	9.0		46.0	332.0	59.0	595.0	120.0
8/02/2017	34.0	519.0	1200.0	3.0	59.0		52.0	30.0	8.0	6.0		105.0	6.0	135.0	45.0	348.0	68.0	578.0	114.0
9/05/2017	9.0	474.0	946.0	1.0	69.0		61.0	12.0		11.0		94.0	8.0	115.0	45.0	331.0	42.0	563.0	113.0
9/08/2017	16.0	456.0	973.0	3.0	30.0		50.0	9.0	19.0	5.0		98.0	7.0	84.0	45.0	340.0	38.0	569.0	103.0
8/11/2017	36.0			5.0	72.0	3.0	49.0	18.0	28.0	6.0	2.0	96.0	6.0	145.0	45.0	352.0	42.0	591.0	114.0
14/02/2018	24.00		1164	3.00	78.00		33.00	24.00		6.00	1.00	95.00	6.00	139.00	45.00	346.00	50.00	592.00	115.00
9/05/2018	10.00		1177	3.00	71.00		59.00	21.00		5.00		92.00	5.00	91.00	47.00	349.00	42.00	597.00	110.00
15/08/2018	19.00		985		64.00	2.00	46.00	18.00		5.00		80.00	6.00	64.00	45.00	347.00	58.00	583.00	107.00
14/11/2018	15.00		1042	2.00	72.00		59.00	11.00	26.00	5.00	1.00	105.00	7.00	98.00	44.00	361.00	45.00	597.00	90.00
13/02/2019	31.00		1148	3.00	76.00	10.00	62.00		34.00				13.00		44.00	343.00	52.00	575.00	90.00
15/05/2019	10.00		0	3.00	24.00		54.00	20.00	15.00	5.00		91.00	6.00	63.00	45.00	342.00	52.00	572.00	107.00
14/08/2019	9.00		1007	3.00	17.00	2.00	48.00	20.00		4.00		85.00	6.00	29.00	43.00	338.00	47.00	557.00	105.00
13/11/2019	35.00		1073	6.00	59.00	1.00	67.00								45.00	351.00	50.00	590.00	97.00
25/02/2020	7.0		1342.0	2.0			29.0	8.0	9.0	6.0	1.0	73.0	5.0	33.0	43.0	338.0	39.0	591.0	86.0
12/05/2020	9.0		1357.0		20.0		14.0	19.0	52.0	4.0	2.0	91.0	6.0	74.0	44.0	339.0	39.0	582.0	100.0
11/08/2020	14.0		1110.0	2.0		1.0	40.0	7.0	18.0	6.0	2.0	86.0	7.0	43.0	45.0	331.0	59.0	582.0	92.0
10/11/2020	26.0		1117.0	2.0	8.0	1.0	33.0	23.0	15.0	4.0	4.0		8.0	88.0	44.0	325.0	42.0	568.0	101.0

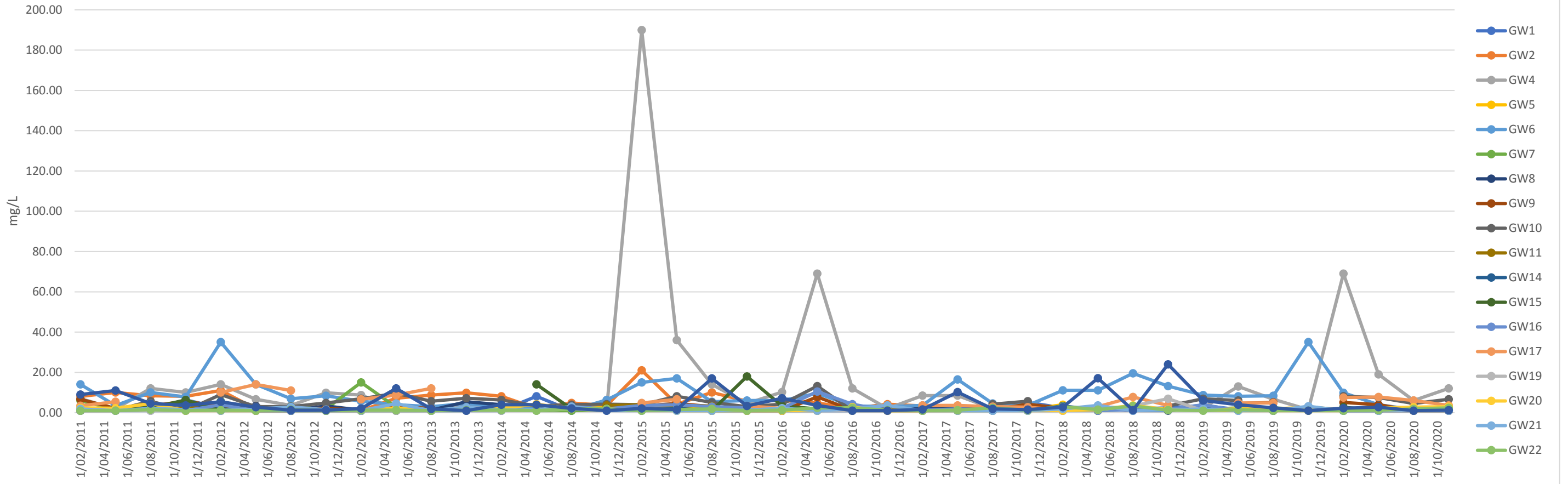
Bicarbonate HCO3 (mg/L)



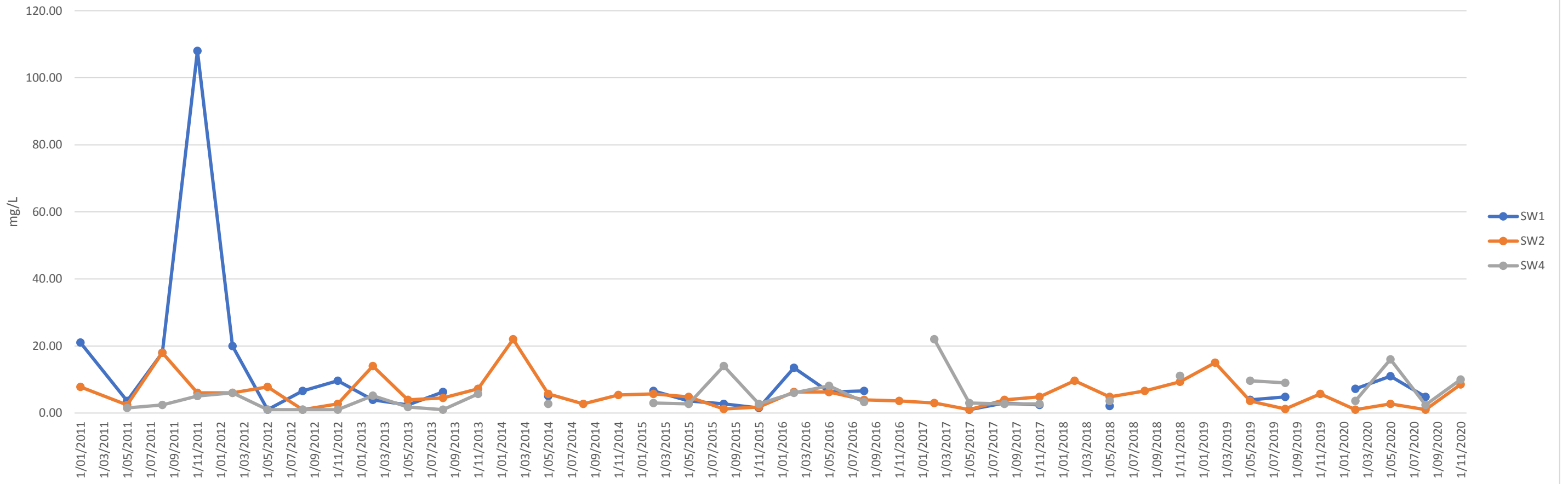
BOD	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
1/02/2011	1.00	8.00	7.00	1.00	14.00	6.00	1.60	6.60	1.00	1.80	1.00	1.20	1.00	3.40	1.00	2.40	1.80	1.00	9.00
11/05/2011	1.60	10.00	1.80	1.00	3.50	1.50	1.20	2.10	1.20	1.00	1.00	2.40	1.00	5.40	1.20	2.20	1.00	1.00	11.00
10/08/2011	1.80	8.40	12.00	2.40	10.00	2.10	2.70	3.30	5.70	1.80	2.70	2.40	1.00		1.00	4.50	2.10	1.50	4.50
9/11/2011	6.30	8.10	10.00	6.00	7.80	1.50	4.80	5.70	1.00	2.40	5.40	6.30	1.00		1.00	1.00	1.50	1.00	3.60
7/02/2012	2.40	11.00	14.00	2.10	35.00	5.70	1.80	3.00	9.00	1.80	1.80	1.00	3.90	10.00	1.00	1.00	1.00	1.20	5.40
9/05/2012	2.10	1.80	6.60	1.00	14.00	1.00	3.30	2.70	3.00	1.00	1.00	1.00	1.00	14.00	1.80	1.00	1.80	1.00	2.70
7/08/2012	1.50	1.20	3.60	1.00	6.90	3.00	1.00	2.10	3.00	1.00	1.00	1.00	1.00	11.00	2.10	2.40	2.80	1.50	1.20
14/11/2012	1.80	2.70	9.90	1.00	8.40	1.80	3.30	2.10	4.80	1.20	1.00	1.00	1.00		1.00	1.20	1.50	1.00	1.20
14/02/2013	1.00	1.00	8.70	1.00	5.70	15.00	1.20	1.20	6.90	1.00	1.00	1.00	1.00	6.60	1.00	1.00	1.00	1.20	2.00
15/05/2013	1.50	7.20	1.80	1.80	3.90	2.70	1.80	3.00	9.60	1.50	1.00	1.00	1.20	8.70	1.00	2.40	4.50	1.20	12.00
7/08/2013	1.00	8.70	1.00	1.00	3.00	1.00	1.20	2.10	5.70	1.00	1.00	1.00	1.00	12.00	1.00	1.00	1.00	1.00	1.80
13/11/2013	1.00	9.90	3.30	1.50	4.50	1.00	5.40		7.20	1.80	1.80	1.20	1.00		1.00	2.10	2.70	1.20	1.00
12/02/2014	1.00	8.10	3.00	2.70	2.70	2.40	3.90		6.30						1.00	2.10	1.20	1.20	3.90
14/05/2014	8.10	2.10	2.10	1.50	2.70	1.00	3.60		3.30	1.50		14.00			1.00	4.20	1.50	1.00	3.90
13/08/2014	1.00	4.80	2.70	2.40	1.20	1.00	1.80		3.90			1.80	3.00		1.80	1.80	3.00	1.80	2.10
11/11/2014	2.10	3.60	1.50	3.00	6.30	1.20	1.50		4.20	3.60		2.10	1.80		1.00	1.80	1.00	1.80	1.00
10/02/2015	1.00	21.00	190.00	1.80	15.00	1.20	2.10	3.30	3.90	3.90	1.20	1.50	3.60	4.80	1.00	1.00	1.00	1.00	2.10
12/05/2015	2.70	4.20	36.00	3.00	17.00	1.50	1.50	4.50	8.10	3.60	2.10	1.00	3.90	6.60	1.00	1.00	1.00	1.50	1.50
12/08/2015	2.10	10.00	14.00	1.80	5.40	1.00	1.00	3.00	5.10	3.30	1.00	1.00	3.00		1.00	1.00	1.00	1.80	17.00
11/11/2015	1.50	5.70	4.50	1.00	6.00	1.00	1.00	1.00	3.00	1.00	1.00	18.00	2.40	3.30	1.00	1.00	1.20	1.00	3.30
9/02/2016	1.00	6.00	10.20	1.80	6.00	1.00	2.10	1.00	4.20	1.00	1.00	3.30	2.10	2.10	1.00	1.00	2.20	1.20	7.20
10/05/2016	1.00	4.80	69.00	1.00	9.60	1.50	1.50	7.80	13.20	1.50	1.00	1.80	10.50		1.00	1.00	1.00	2.40	3.60
10/08/2016	1.00	2.10	12.00	2.10	3.30	1.00	1.20	1.20	1.00	1.00	1.00	2.70	4.20		1.00	2.70	1.80	2.40	1.00
8/11/2016	1.80	4.20	2.00	1.00	3.00	1.80	2.10	1.80		1.00	1.00	1.00	1.00		1.00	1.00	3.60	1.20	1.00
8/02/2017	1.50	3.30	8.50	1.00	3.60	1.00	1.80	1.00	2.70	1.00		1.00	1.20	3.60	1.00	1.00	1.00	1.00	1.60
9/05/2017	1.20	1.80	8.50	1.20	16.50	1.00	2.10	1.20		1.50	1.00	1.00	1.80	3.60	1.00	1.00	1.00	1.20	10.20
9/08/2017	1.00	2.10	2.00	1.20	4.50	1.00	1.50	1.50	4.20	1.50	1.00	2.10	1.50	3.00	1.00	2.10	1.00	2.40	1.80
8/11/2017	5.10		4.20	1.50	3.60	1.80	1.50	4.20	5.70	1.50	1.00	1.50	1.00	2.70	1.00	1.00	1.00	1.20	1.50
14/02/2018	2.40		2.10	3.90	11.10	1.80	2.40	2.10		2.10	3.30	1.80	1.00	1.20	1.00	1.00	1.80	3.00	2.70
9/05/2018	2.10		3.00		11.10	1.00	2.40	2.10		1.00	1.20	1.00	1.00	3.00	1.50	1.50	3.60	1.50	17.10
15/08/2018	1.80		2.10	1.50	19.50	1.50	1.00	1.80		2.70		2.70	1.50	7.80	3.30	3.60	1.00	3.30	1.20
14/11/2018	2.40		1.80	1.80	13.20	1.20	1.00	1.20	3.30	1.80	1.20	1.50	1.50	3.60	6.90	1.50	1.20	1.20	24.00
13/02/2019	3.60		2.40	1.20	8.70	1.50	2.40		6.90				3.90		1.00	1.20	1.80	1.00	6.00
15/05/2019	1.50		13.00	1.00	8.10	2.40	1.20	4.50	6.00	1.20		1.80	1.00	4.80	1.80	1.80	1.00	1.50	3.90
14/08/2019	1.00		6.60	1.00	8.40	2.40	1.00	5.10		1.00		2.40	1.20	4.80	1.50	1.80	1.00	1.00	2.40
13/11/2019	3.00		1.50	1.00	35.00	1.50	2.10								1.20	2.70	3.15	1.00	1.00
25/02/2020	1.00		69.00	1.00	9.90	1.20	1.00	5.10	8.10	1.00	1.00	2.70	1.00	7.50	1.00	1.50	1.00	1.00	2.20
12/05/2020	1.00		19.00	3.30	3.90	3.00	2.40	3.90	7.50	1.00	1.00	1.00	1.00	7.80	1.00	2.40	1.00	1.20	2.70
11/08/2020	1.00		6.00	1.00	1.50	1.00	1.50	1.00	4.50	1.00	1.00	1.20	1.00	6.00	1.00	2.70	1.50	1.80	1.00
10/11/2020	1.00		12.00	1.20	2.40	1.50	1.00	1.00	6.60	1.00	1.00		1.00	3.60	1.00	3.00	1.00	2.40	1.20

BOD	SW1	SW2	SW4
31/01/2011	21.00	7.80	
10/05/2011	3.60	2.40	1.50
9/08/2011	18.00	18.00	2.40
8/11/2011	108.00	6.00	5.10
6/02/2012	20.00	6.00	6.00
8/05/2012	1.00	7.80	1.00
7/08/2012	6.60	1.00	1.00
14/11/2012	9.60	2.70	1.00
14/02/2013	3.90	14.00	5.20
15/05/2013	2.40	3.90	1.80
7/08/2013	6.30	4.50	1.00
12/11/2013		7.20	5.70
11/02/2014		22.00	
14/05/2014	5.10	5.70	2.70
12/08/2014		2.70	
10/11/2014		5.40	
10/02/2015	6.60	5.70	3.00
12/05/2015	3.60	4.80	2.70
12/08/2015	2.70	1.20	14.00
11/11/2015	1.50	1.80	2.70
9/02/2016	13.50	6.30	6.00
10/05/2016	6.30	6.30	8.10
10/08/2016	6.60	3.90	3.30
8/11/2016		3.60	
7/02/2017		3.00	22.00
9/05/2017	1.00	1.00	3.00
9/08/2017	3.00	3.90	2.70
8/11/2017	2.40	4.80	2.70
10/02/2018		9.60	
9/05/2018	2.10	4.80	3.60
10/08/2018		6.60	
12/11/2018		9.30	11.10
10/02/2019		15.00	
15/05/2019	3.90	3.60	9.60
14/08/2019	4.80	1.20	9.00
13/11/2019		5.70	
25/02/2020	7.20	1.00	3.60
12/05/2020	11.00	2.70	16.00
11/08/2020	4.80	1.00	2.40
10/11/2020		8.50	10.00

Biological Oxygen Demand (mg/L)



Biological Oxygen Demand (mg/L)



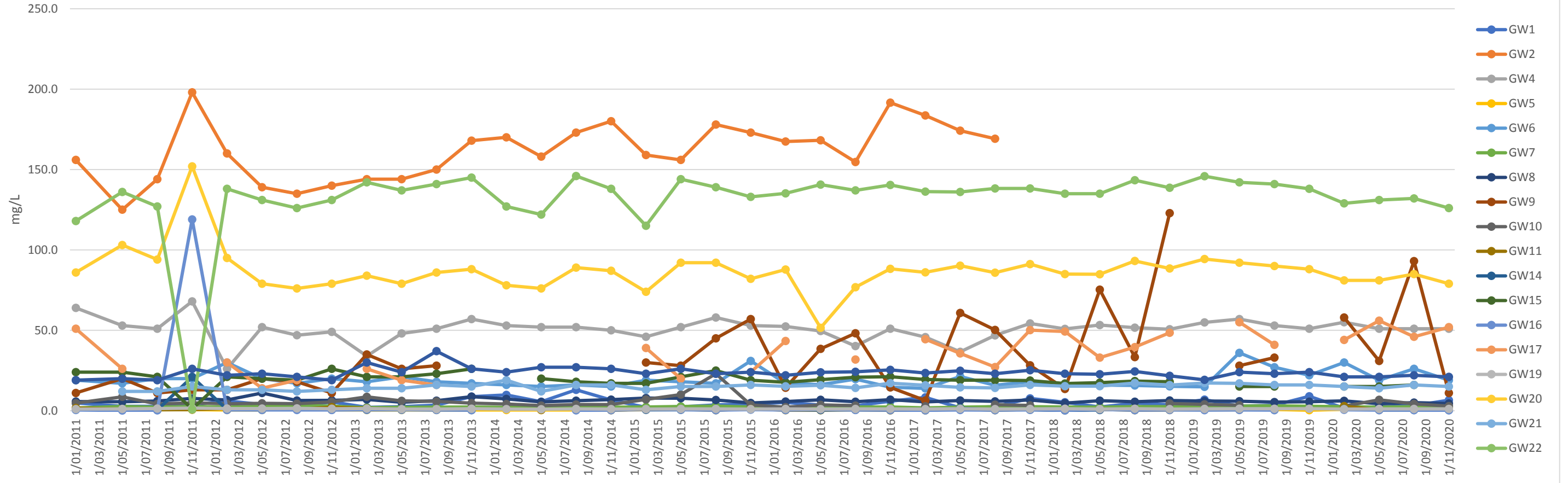
Cd	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
10/05/2011	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
9/08/2011	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001
8/11/2011	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001
6/02/2012	0.001	0.004	0.001	0.001	0.003	0.002	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
8/05/2012	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
6/08/2012	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
13/11/2012	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001
13/02/2013	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
14/05/2013	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
6/08/2013	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
12/11/2013	0.001	0.001	0.001	0.001	0.001	0.001	0.002		0.002	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001
11/02/2014	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001						0.001	0.001	0.001	0.001	0.001
13/05/2014	0.001	0.001	0.001	0.001	0.001	0.001	0.002		0.001	0.001		0.001			0.001	0.001	0.001	0.001	0.001
12/08/2014	0.001	0.001	0.001	0.001	0.001	0.001	0.003		0.001			0.001	0.001		0.001	0.001	0.001	0.001	0.001
10/11/2014	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001		0.001	0.001		0.001	0.001	0.001	0.001	0.001
9/02/2015	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
11/05/2015	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
11/08/2015	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001
10/11/2015	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
8/02/2016	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
9/05/2016	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001
9/08/2016																			
7/11/2016																			
7/02/2017																			
8/05/2017	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.001		0.001		0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
11/08/2020																			
10/11/2020																			

Cd	SW1	SW2	SW4
31/01/2011	0.001	0.001	
10/05/2011	0.001	0.001	0.001
9/08/2011	0.001	0.001	0.001
8/11/2011	0.001	0.001	0.001
6/02/2012	0.002	0.001	0.001
8/05/2012	0.001	0.001	0.001
6/08/2012	0.001	0.001	0.001
13/11/2012	0.001	0.001	0.001
13/02/2013	0.001	0.001	0.001
14/05/2013	0.001	0.001	0.001
6/08/2013	0.001	0.001	0.001
12/11/2013	0.001	0.001	0.001
11/02/2014		0.001	0.001
13/05/2014		0.001	0.001
12/08/2014	0.001	0.001	0.001
10/11/2014		0.001	
9/02/2015		0.001	
11/05/2015	0.001	0.001	0.001
11/08/2015	0.001	0.001	0.001
10/11/2015	0.001	0.001	0.001
8/02/2016	0.001	0.001	0.001
9/05/2016	0.001	0.001	0.001
9/08/2016	0.001	0.001	0.001
7/11/2016		0.001	
7/02/2017			
8/05/2017			
8/08/2017	0.001		0.001
7/11/2017		0.001	
14/02/2018			
9/05/2018	0.001	0.001	0.001
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.00	0.00	0.00
14/08/2019			
13/11/2019			
25/02/2020			
12/05/2020	0.00	0.00	0.00
11/08/2020			
10/11/2020			

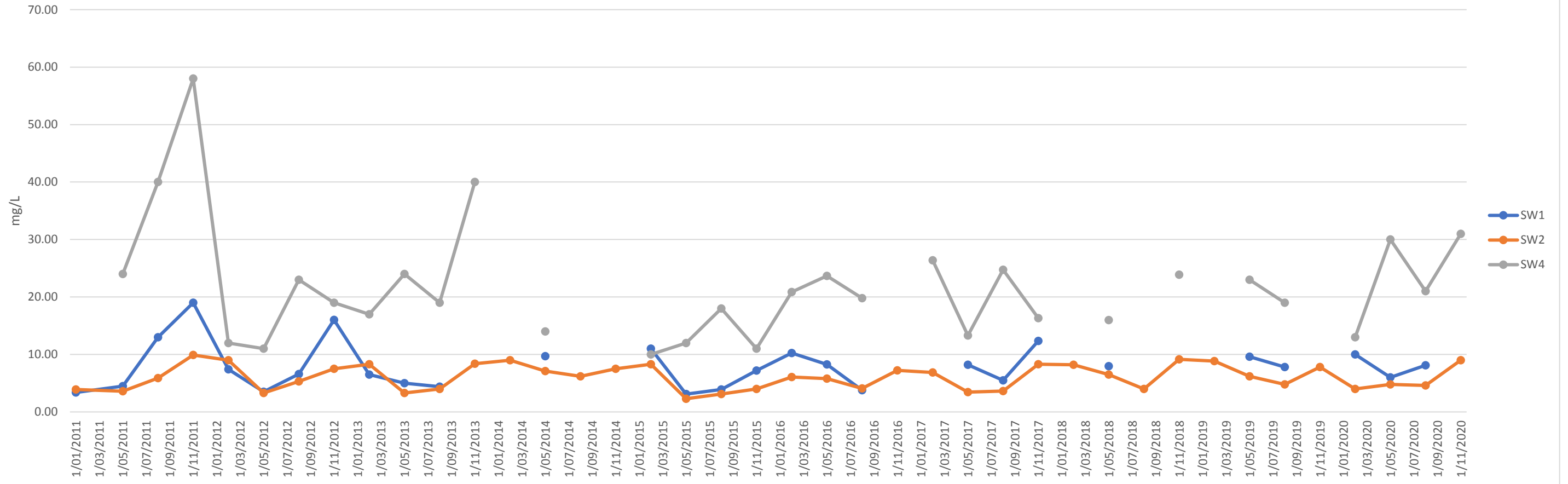
Ca	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	4.8	156.0	64.0	1.2	19.0	1.7	5.7	11.0	4.7	1.7	0.8	24.0	0.5	51.0	1.0	86.0		118.0	19.0
10/05/2011	2.7	125.0	53.0	2.2	17.0	2.6	5.6	20.0	8.6	1.0	0.6	24.0	0.1	26.0	1.1	103.0	12.0	136.0	20.0
9/08/2011	2.7	144.0	51.0	0.7	20.0	2.2	6.0	11.0	4.2	0.6	0.5	21.0	0.2		1.3	94.0	12.0	127.0	19.0
8/11/2011	3.6	198.0	68.0	0.7	20.0	2.6	7.6	13.0	4.9	0.7	21.0	1.1	119.0		1.6	152.0	15.0	0.8	26.0
6/02/2012	6.1	160.0	26.0	0.5	30.0	2.2	6.7	13.0	4.3	1.3	0.7	21.0	0.5	30.0	1.3	95.0	13.0	138.0	22.0
8/05/2012	3.8	139.0	52.0	0.4	20.0	2.9	11.0	20.0	4.6	0.7	0.6	20.0	0.5	14.0	1.3	79.0	13.0	131.0	23.0
6/08/2012	2.8	135.0	47.0	1.2	17.0	3.2	6.3	18.0	4.4	0.8	1.0	19.0	0.5	19.0	1.4	76.0	12.0	126.0	21.0
13/11/2012	5.5	140.0	49.0	0.6	20.0	2.9	6.4	11.0	5.5	2.2	0.6	26.0	0.4		1.2	79.0	13.0	131.0	19.0
13/02/2013	2.1	144.0	34.0	0.4	18.0	1.9	7.0	35.0	8.6	1.4	0.6	21.0	0.7	26.0	1.3	84.0	14.0	142.0	30.0
14/05/2013	2.5	144.0	48.0	0.5	21.0	2.1	5.2	26.0	6.1	0.8	0.6	21.0	0.7	19.0	1.0	79.0	14.0	137.0	24.0
6/08/2013	3.5	150.0	51.0	0.4	18.0	2.2	6.2	28.0	5.8	0.6	0.6	23.0	0.4	16.0	1.0	86.0	16.0	141.0	37.0
12/11/2013	8.7	168.0	57.0	0.5	17.0	2.3	8.7		4.7	0.6	0.5	26.0	0.3		1.2	88.0	15.0	145.0	26.0
11/02/2014	9.8	170.0	53.0	0.5	16.0	2.1	7.3		4.1						1.0	78.0	19.0	127.0	24.0
13/05/2014	5.6	158.0	52.0	0.5	15.0	2.0	5.5		3.2	0.4		20.0			0.9	76.0	12.0	122.0	27.0
12/08/2014	13.0	173.0	52.0	0.4	16.0	2.6	6.2		3.8			18.0	0.2		1.1	89.0	16.0	146.0	27.0
10/11/2014	6.7	180.0	50.0	0.5	15.0	2.2	6.9		3.8	0.3		17.0	0.3		1.0	87.0	16.0	138.0	26.0
9/02/2015	2.1	159.0	46.0	0.8	19.0	2.3	7.9	30.0	7.0	0.7	0.6	17.0	0.9	39.0	1.0	74.0	13.0	115.0	23.0
11/05/2015	2.4	156.0	52.0	0.9	18.0	2.6	7.8	28.0	10.0	0.8	0.6	21.0	0.7	20.0	1.1	92.0	15.0	144.0	26.0
11/08/2015	3.6	178.0	58.0	0.9	17.0	2.9	6.7	45.0	23.0	0.3	0.6	25.0	0.3		1.1	92.0	15.0	139.0	23.0
10/11/2015	4.2	173.0	53.0	1.3	31.0	2.3	4.8	57.0	3.6	1.1	0.8	19.0	0.7	24.0	1.0	82.0	16.0	133.0	24.0
8/02/2016	5.1	167.4	52.4	1.4	17.0	2.3	5.7	14.3	2.2	0.4	0.5	17.7	0.4	43.4	1.1	87.8	15.1	135.2	22.0
9/05/2016	3.5	168.2	49.6	0.5	16.3	2.0	6.8	38.4	3.6	0.3	0.5	19.3	0.7		1.0	51.5	15.9	140.7	23.9
9/08/2016	3.1	154.7	40.3	1.0	19.7	2.3	5.6	48.2	3.1	0.6	0.6	20.8	0.5	31.8	1.1	76.8	14.2	137.1	24.2
7/11/2016	5.9	191.6	50.9	0.5	14.6	2.3	6.9	14.5		0.3	0.6	21.2	0.3		1.1	88.2	17.1	140.4	25.4
7/02/2017	8.3	183.6	45.8	0.5	13.9	1.8	5.5	6.3	2.7	0.3		19.4	0.2	44.4	1.0	86.1	15.8	136.3	23.5
8/05/2017	1.8	174.2	36.7	2.0	21.3	2.1	6.3	60.8		0.9	1.6	18.9	0.4	35.7	1.2	90.2	14.5	136.1	24.9
8/08/2017	2.5	169.1	46.9	1.0	15.9	2.6	5.8	50.2	3.7	0.4	0.6	19.0	0.3	27.1	1.0	85.8	14.2	138.3	23.0
7/11/2017	7.6		54.3	1.1	18.1	2.5	6.7	28.2	3.2	0.7	0.5	18.8	0.5	50.1	1.1	91.1	16.0	138.2	25.2
14/02/2018	5.3		50.9	0.7	15.3	2.3	4.7	13.5		0.3	0.2	16.9	0.2	49.2	1.3	85.0	15.3	134.9	23.0
9/05/2018	2.3		53.2	0.6	15.9	2.2	6.2	75.3		0.8	0.5	17.4	0.8	33.1	1.0	84.9	15.3	134.9	22.7
15/08/2018	4.6		51.6		15.8	2.5	5.6	33.4		0.3		18.4	0.3	39.6	1.2	93.2	17.2	143.4	24.4
14/11/2018	3.7		50.7	0.6	15.2	2.5	6.3	122.9	4.5	0.5	0.9	18.0	0.4	48.5	1.0	88.5	15.9	138.7	21.6
13/02/2019	6.9		54.9	0.5	14.8	2.5	6.0		3.9				0.3		1.1	94.4	17.2	145.8	19.2
15/05/2019	2.9		57.0	0.6	36.0	2.8	5.9	28.0	3.4	0.9		15.0	0.4	55.0	1.2	92.0	17.0	142.0	24.0
14/08/2019	3.4		53.0	0.8	27.0	3.1	5.4	33.0		0.6		15.0	0.3	41.0	1.2	90.0	16.0	141.0	23.0
13/11/2019	8.9		51.0	0.3	22.0	2.7	5.6								1.2	88.0	16.0	138.0	24.0
25/02/2020	1.6		55.0	0.9	30.0	2.5	6.1	58.0	2.9	2.8	1.1	15.0	0.6	44.0	1.0	81.0	15.0	129.0	21.0
12/05/2020	2.3		51.0	0.6	19.0	2.2	4.3	31.0	6.8	0.4	0.6	15.0	0.3	56.0	1.1	81.0	14.0	131.0	21.0
11/08/2020	3.2		51.0	0.8	26.0	2.5	5.0	93.0	4.3	0.6	0.5	16.0	0.3	46.0	1.1	85.0	16.0	132.0	22.0
10/11/2020	6.5		51.0	0.6	19.0	2.3	4.5	11.0	2.8	1.0	0.5		0.2	52.0	1.1	79.0	15.0	126.0	21.0

Ca	SW1	SW2	SW4
31/01/2011	3.40	3.90	
10/05/2011	4.50	3.60	24.00
9/08/2011	13.00	5.90	40.00
8/11/2011	19.00	9.90	58.00
6/02/2012	7.40	9.00	12.00
8/05/2012	3.50	3.30	11.00
6/08/2012	6.60	5.30	23.00
13/11/2012	16.00	7.50	19.00
13/02/2013	6.50	8.30	17.00
14/05/2013	5.00	3.30	24.00
6/08/2013	4.40	4.00	19.00
12/11/2013		8.40	40.00
11/02/2014		9.00	
13/05/2014	9.70	7.10	14.00
12/08/2014		6.20	
10/11/2014		7.50	
9/02/2015	11.00	8.30	10.00
11/05/2015	3.10	2.30	12.00
11/08/2015	3.90	3.10	18.00
10/11/2015	7.20	4.00	11.00
8/02/2016	10.26	6.08	20.87
9/05/2016	8.27	5.81	23.67
9/08/2016	3.80	4.10	19.79
7/11/2016		7.22	
7/02/2017		6.86	26.39
8/05/2017	8.20	3.46	13.31
8/08/2017	5.49	3.62	24.73
7/11/2017	12.34	8.29	16.32
14/02/2018		8.19	
9/05/2018	7.97	6.51	15.98
15/08/2018		3.99	
14/11/2018		9.16	23.88
10/02/2019		8.86	
15/05/2019	9.60	6.20	23.00
14/08/2019	7.80	4.80	19.00
13/11/2019		7.80	
25/02/2020	10.00	4.00	13.00
12/05/2020	6.00	4.80	30.00
11/08/2020	8.10	4.60	21.00
10/11/2020		9.00	31.00

Calcium (mg/L)



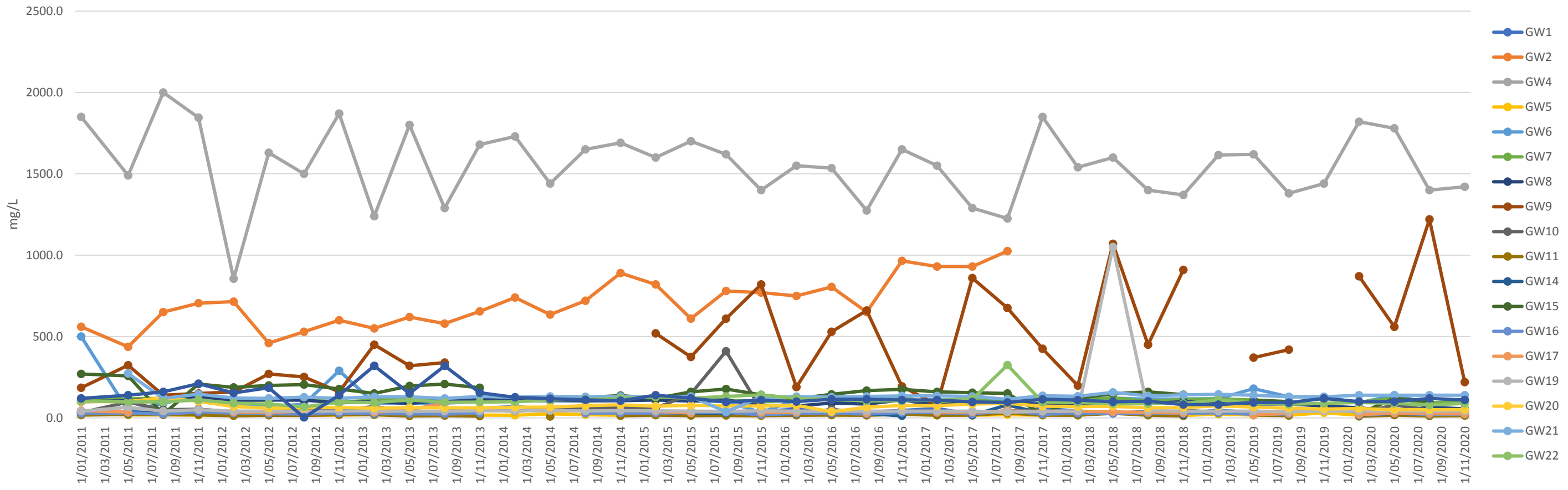
Calcium (mg/L)



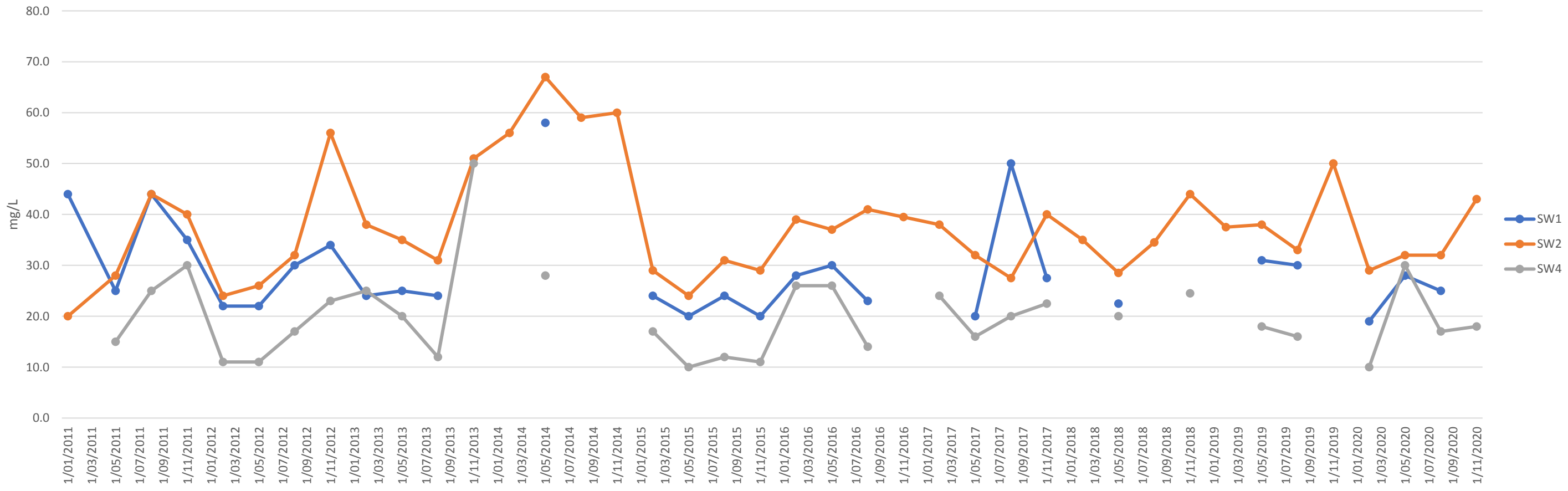
Chloride	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	34.0	560.0	1850.0	22.0	500.0	112.0	99.0	185.0	33.0	18.0	35.0	270.0	27.0	45.0	42.0	100.0		105.0	120.0
10/05/2011	35.0	437.0	1490.0	19.0	44.0	118.0	106.0	324.0	97.0	21.0	36.0	258.0	31.0	36.0	65.0	100.0	273.0	98.0	140.0
9/08/2011	34.0	650.0	2000.0	19.0	88.0	120.0	120.0	140.0	50.0	20.0	32.0	22.5	23.0		42.0	125.0	120.0	98.0	160.0
8/11/2011	36.0	705.0	1845.0	18.0	140.0	140.0	132.0	150.0	54.0	19.0	34.0	208.0	36.0		50.0	101.0	146.0	110.0	210.0
6/02/2012	39.0	715.0	855.0	20.0	86.0	108.0	109.0	159.0	38.0	13.0	33.0	187.0	30.0	36.0	42.0	70.0	122.0	91.0	154.0
8/05/2012	34.0	460.0	1630.0	21.0	70.0	110.0	110.0	270.0	38.0	16.0	30.0	200.0	26.0	35.0	42.0	60.0	120.0	85.0	185.0
6/08/2012	31.0	530.0	1500.0	16.0	84.0	114.0	109.0	252.0	50.0	15.0	30.0	205.0	24.0	41.0	40.0	62.0	128.0	68.0	3.0
13/11/2012	56.0	600.0	1870.0	18.0	290.0	96.0	93.0	160.0	47.0	20.0	28.0	178.0	29.0		42.0	64.0	120.0	96.0	140.0
13/02/2013	27.0	550.0	1240.0	20.0	92.0	110.0	100.0	450.0	70.0	20.0	25.0	150.0	26.0	35.0	44.0	60.0	130.0	95.0	320.0
14/05/2013	32.0	620.0	1800.0	15.0	91.0	120.0	88.0	320.0	40.0	12.0	30.0	196.0	25.0	50.0	40.0	63.0	130.0	110.0	150.0
6/08/2013	40.0	580.0	1290.0	16.0	91.0	110.0	110.0	340.0	39.0	14.0	38.0	208.0	24.0	90.0	42.0	62.0	120.0	96.0	320.0
12/11/2013	59.0	655.0	1680.0	18.0	102.0	119.0	113.0		47.0	11.0	30.0	185.0	28.0		44.0	62.0	132.0	97.0	155.0
11/02/2014	70.0	740.0	1730.0	17.0	101.0	111.0	106.0		42.0						43.0	66.0	128.0	99.0	127.0
13/05/2014	54.0	635.0	1440.0	25.0	107.0	117.0	107.0		48.0	9.0		112.0			45.0	67.0	132.0	110.0	118.0
12/08/2014	77.0	720.0	1650.0	20.0	106.0	118.0	105.0		60.0			125.0	29.0		43.0	75.0	130.0	115.0	111.0
10/11/2014	60.0	890.0	1690.0	17.0	115.0	114.0	106.0		60.0	13.0		137.0	31.0		45.0	81.0	132.0	120.0	106.0
9/02/2015	28.0	820.0	1600.0	18.0	120.0	110.0	110.0	520.0	60.0	18.0	31.0	120.0	28.0	40.0	44.0	72.0	130.0	130.0	140.0
11/05/2015	27.0	610.0	1700.0	16.0	105.0	116.0	104.0	375.0	148.0	14.0	29.0	160.0	34.0	30.0	41.0	77.0	132.0	121.0	121.0
11/08/2015	32.0	780.0	1620.0	16.0	100.0	110.0	110.0	610.0	410.0	15.0	30.0	178.0	34.0		40.0	74.0	38.0	132.0	98.0
10/11/2015	40.0	770.0	1400.0	13.0	34.0	100.0	79.0	820.0	51.0	14.0	23.0	142.0	20.0	33.0	44.0	73.0	128.0	142.0	110.0
8/02/2016	53.0	750.0	1550.0	26.0	111.0	107.0	73.0	190.0	21.0	16.0	26.0	118.0	27.0	34.0	41.0	78.0	131.0	120.0	100.0
9/05/2016	40.0	805.0	1535.0	20.0	112.0	114.0	92.0	530.0	52.0	18.0	28.0	145.0	28.0		42.0	38.0	128.0	115.0	115.0
9/08/2016	36.0	650.0	1275.0	16.0	120.0	92.0	85.0	660.0	30.0	16.0	26.0	168.0	24.0	30.0	41.0	65.0	132.0	105.0	115.0
7/11/2016	46.0	965.0	1650.0		125.0	120.0	110.0	194.0		22.0	13.0	176.0	32.5		42.0	76.0	135.0	105.0	110.0
7/02/2017	58.0	930.0	1550.0	20.0	85.0	92.0	78.0	80.0	44.0	17.0		160.0	33.0	35.0	42.0	75.0	135.0	110.0	110.0
8/05/2017	23.0	930.0	1290.0	17.0	141.0	113.0	93.0	860.0		18.0	17.0	155.0	24.0	36.0	42.0	85.0	132.0	115.0	98.0
8/08/2017	35.0	1025.0	1225.0	20.0	100.0	95.0	90.0	675.0	45.0	30.0	80.0	150.0	45.0	42.5	35.0	90.0	115.0	325.0	95.0
7/11/2017	58.0		1850.0	16.0	115.0	113.0	86.0	425.0	42.0	17.5	27.5	22.5	23.5	40.0	41.5	72.0	136.0	96.0	115.0
14/02/2018	43.0		1540.0	17.0	115.0	107.0	80.0	198.0		16.0	26.0	122.0	28.0	41.0	42.0	70.0	133.0	95.0	109.0
9/05/2018	28.5		1600.0		122.0	123.0	97.0	1070.0		28.5	28.5	148.5	27.5	37.0	1050.0	71.0	157.5	87.5	99.0
15/08/2018	40.0		1400.0	19.0	115.0	102.5	87.5	450.0		16.0		160.0	28.5	34.0	45.0	62.5	135.0	87.5	102.5
14/11/2018	30.0		1370.0	15.0	117.0	113.0	100.0	910.0	49.0	12.0	20.0	143.0	27.0	31.0	42.0	63.0	142.0	90.0	82.0
13/02/2019	47.5		1615.0	22.5	118.0	117.0	89.0		31.0				31.5		41.0	74.0	145.0	110.0	82.0
15/05/2019	34.0		1620.0	18.0	180.0	110.0	85.0	370.0	40.0	18.0		110.0	22.0	18.0	42.0	67.0	140.0	92.0	95.0
14/08/2019	36.0		1380.0	17.0	130.0	93.0	86.0	420.0		14.0		100.0	24.0	28.0	38.0	60.0	130.0	84.0	94.0
13/11/2019	60.0		1440.0	32.0	130.0	120.0	73.0								42.0	55.0	130.0	89.0	120.0
25/02/2020	25.0		1820.0	16.0	93.0	97.0	62.0	870.0	29.0	10.0	17.0	26.0	18.0	21.0	42.0	58.0	140.0	95.0	100.0
12/05/2020	28.0		1780.0	22.0	140.0	120.0	40.0	560.0	80.0	18.0	27.0	120.0	28.0	30.0	44.0	50.0	140.0	90.0	100.0
11/08/2020	34.0		1400.0	16.0	92.0	90.0	65.0	1220.0	49.0	12.0	23.0	100.0	22.0	26.0	40.0	50.0	140.0	80.0	120.0
10/11/2020	51.0		1420.0	20.0	98.0	110.0	56.0	220.0	45.0	14.0	26.0		23.0	25.0	43.0	51.0	140.0	90.0	110.0

Chloride	SW1	SW2	SW4
31/01/2011	44.0	20.0	
10/05/2011	25.0	28.0	15.0
9/08/2011	44.0	44.0	25.0
8/11/2011	35.0	40.0	30.0
6/02/2012	22.0	24.0	11.0
8/05/2012	22.0	26.0	11.0
6/08/2012	30.0	32.0	17.0
13/11/2012	34.0	56.0	23.0
13/02/2013	24.0	38.0	25.0
14/05/2013	25.0	35.0	20.0
6/08/2013	24.0	31.0	12.0
12/11/2013		51.0	50.0
11/02/2014		56.0	
13/05/2014	58.0	67.0	28.0
12/08/2014		59.0	
10/11/2014		60.0	
9/02/2015	24.0	29.0	17.0
11/05/2015	20.0	24.0	10.0
11/08/2015	24.0	31.0	12.0
10/11/2015	20.0	29.0	11.0
8/02/2016	28.0	39.0	26.0
9/05/2016	30.0	37.0	26.0
9/08/2016	23.0	41.0	14.0
7/11/2016		39.5	
7/02/2017		38.0	24.0
8/05/2017	20.0	32.0	16.0
8/08/2017	50.0	27.5	20.0
7/11/2017	27.5	40.0	22.5
14/02/2018		35.0	
9/05/2018	22.5	28.5	20.0
15/08/2018		34.5	
14/11/2018		44.0	24.5
10/02/2019		37.5	
15/05/2019	31.0	38.0	18.0
14/08/2019	30.0	33.0	16.0
13/11/2019		50.0	
25/02/2020	19.0	29.0	10.0
12/05/2020	28.0	32.0	30.0
11/08/2020	25.0	32.0	17.0
10/11/2020		43.0	18.0

Chloride (mg/L)



Chloride (mg/L)

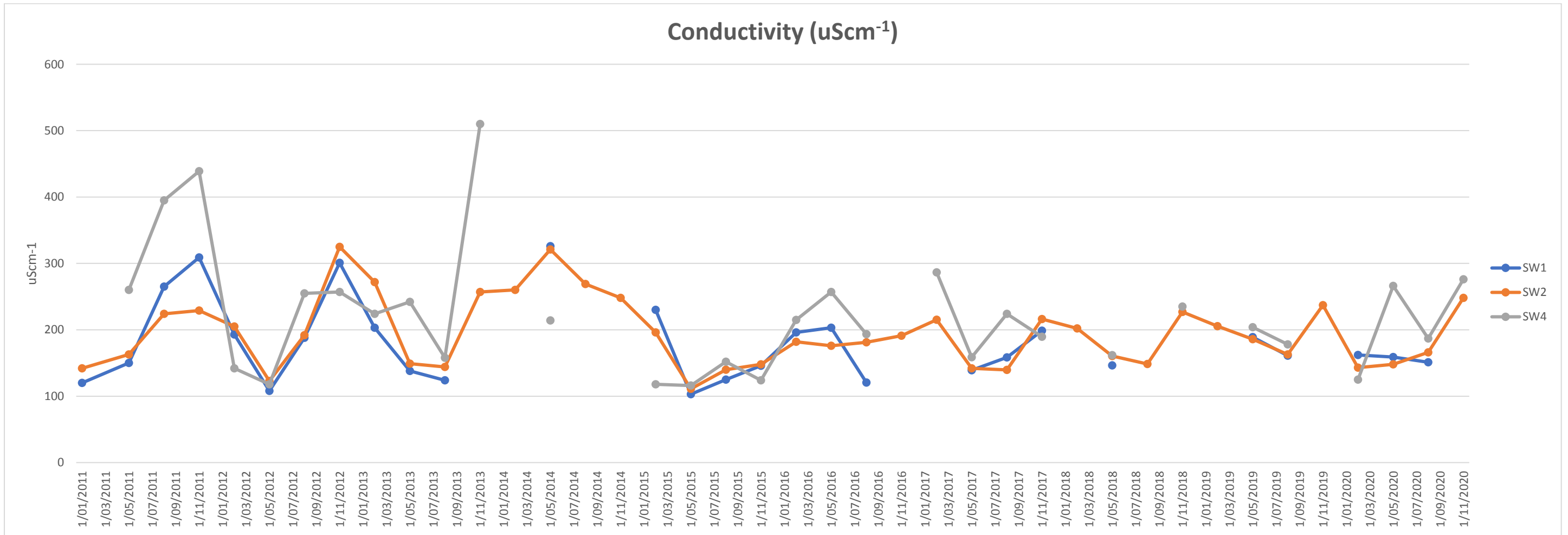
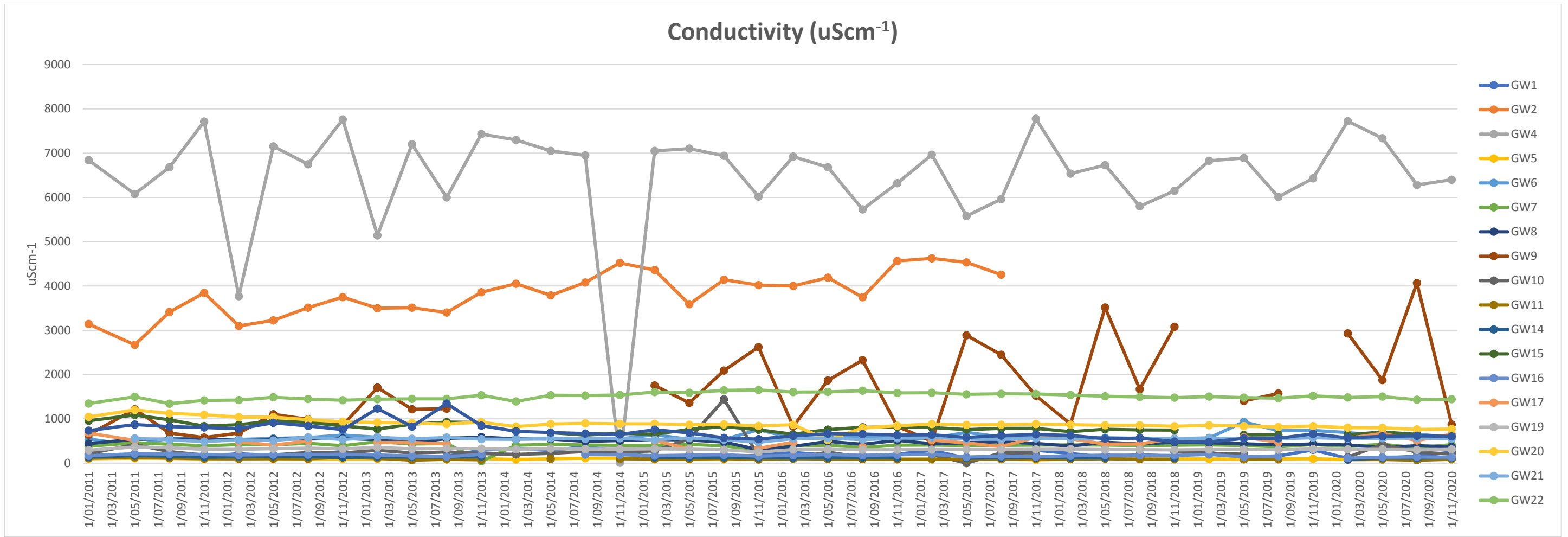


Chromium	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.010	0.030	0.010	0.010	0.060	0.050	0.040	0.010	0.010	0.010	0.020	0.010	0.010	0.040	0.010	0.010		0.010	0.010
10/05/2011	0.010	0.020	0.010	0.010	0.050	0.020	0.060	0.030	0.010	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
9/08/2011	0.010	0.030	0.010	0.010	0.080	0.020	0.070	0.040	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
8/11/2011	0.010	0.060	0.010	0.010	0.070	0.040	0.120	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
6/02/2012	0.010	0.040	0.010	0.010	0.070	0.060	0.040	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
8/05/2012	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
6/08/2012	0.010	0.010	0.010	0.010	0.020	0.010	0.030	0.010	0.010	0.010	0.030	0.010	0.010	0.050	0.010	0.010	0.010	0.010	0.010
13/11/2012	0.210	0.010	0.010	0.010	0.030	0.010	0.190	0.030	0.020	0.010	0.040	0.010	0.010		0.010	0.010	0.010	0.010	0.010
13/02/2013	0.010	0.020	0.010	0.010	0.030	0.020	0.060	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
14/05/2013	0.010	0.020	0.010	0.010	0.020	0.030	0.080	0.010	0.020	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
6/08/2013	0.010	0.020	0.010	0.010	0.040	0.030	0.060	0.010	0.020	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
12/11/2013	0.010	0.030	0.010	0.010	0.050	0.030	0.090		0.080	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
11/02/2014	0.010	0.020	0.010	0.020	0.030	0.080	0.040		0.030						0.010	0.010	0.010	0.010	0.010
13/05/2014	0.010	0.010	0.010	0.011	0.030	0.010	0.020		0.020	0.040		0.010			0.010	0.010	0.010	0.010	0.010
12/08/2014	0.010	0.030	0.010	0.030	0.040	0.020	0.020		0.020			0.010	0.010		0.010	0.010	0.010	0.010	0.010
10/11/2014	0.010	0.020	0.010	0.010	0.030	0.030	0.020		0.020	0.010		0.010	0.010		0.010	0.010	0.010	0.010	0.010
9/02/2015	0.010	0.030	0.010	0.020	0.030	0.020	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
11/05/2015	0.001	0.026	0.007	0.006	0.043	0.033	0.050	0.005	0.006	0.007	0.014	0.004	0.007	0.015	0.001	0.001	0.001	0.002	0.001
11/08/2015	0.001	0.031	0.007	0.034	0.026	0.029	0.036	0.007	0.002	0.005	0.008	0.003	0.007		0.001	0.002	0.001	0.003	0.001
10/11/2015	0.005	0.018	0.003	0.007	0.030	0.018	0.023	0.004	0.011	0.005	0.006	0.001	0.002	0.019	0.001	0.001	0.001	0.001	0.001
8/02/2016	0.002	0.049	0.003	0.016	0.050	0.058	0.061	0.003	0.002	0.014	0.022	0.002	0.010	0.010	0.001	0.001	0.001	0.001	0.001
9/05/2016	0.002	0.021	0.011	0.016	0.090	0.032	0.030	0.003	0.010	0.005	0.010	0.002	0.002		0.001	0.001	0.001	0.002	0.001
9/08/2016																			
7/11/2016																			
7/02/2017																			
8/05/2017	0.001	0.018	0.009	0.007	0.024	0.011	0.029	0.010	NT	0.004	0.014	0.002	0.004	0.015	0.001	0.001	0.001	0.001	0.001
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.001	0.002			0.019	0.013	0.015	0.003		0.005	0.012	0.002	0.003	0.013	0.001	0.001	0.001	0.001	0.001
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.001		0.007	0.013	0.029	0.025	0.013	0.003	0.006	0.014		0.004	0.006	0.010	0.001	0.001	0.001	0.001	0.001
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	0.001		0.006	0.011	0.018	0.027	0.025	0.006	0.012	0.008	0.007	0.007	0.007	0.021	0.001	0.001	0.001	0.001	0.001
11/08/2020																			
10/11/2020																			

Chromium	SW1	SW2	SW4
31/01/2011	0.010	0.010	
10/05/2011	0.010	0.010	0.010
9/08/2011	0.020	0.010	0.010
8/11/2011	0.010	0.010	0.010
6/02/2012	0.010	0.010	0.010
8/05/2012	0.010	0.010	0.010
6/08/2012	0.010	0.010	0.010
13/11/2012	0.010	0.010	0.010
13/02/2013	0.010	0.010	0.010
14/05/2013	0.010	0.010	0.010
6/08/2013	0.010	0.010	0.010
12/11/2013		0.010	0.010
11/02/2014		0.010	
13/05/2014	0.010	0.010	0.010
12/08/2014		0.010	
10/11/2014		0.010	
9/02/2015	0.010	0.010	0.010
11/05/2015	0.001	0.001	0.001
11/08/2015	0.001	0.001	0.001
10/11/2015	0.001	0.001	0.002
8/02/2016	0.003	0.001	0.001
9/05/2016	0.001	0.001	0.001
9/08/2016			
7/11/2016			
7/02/2017			
8/05/2017	0.001	0.001	0.003
8/08/2017			
7/11/2017			
14/02/2018			
9/05/2018	0.001	0.001	0.001
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.001	0.001	0.001
14/08/2019			
13/11/2019			
25/02/2020			
12/05/2020	0.006	0.001	0.001
11/08/2020			
10/11/2020			

Cond	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	184	3141	6843	99	546	379	438	639	212	109	137	958	165	677	292	1045		1346	732
10/05/2011	181	2671	6080	111	399	458	539	1216	419	131	171	1086	212	514	365	1201	556	1498	872
9/08/2011	179	3410	6680	106	567	428	543	680	261	114	156	975	205		350	1123	524	1343	822
8/11/2011	154	3842	7715	90	530	387	546	576	182	101	133	837	196		311	1092	487	1416	803
6/02/2012	211	3100	3770	97	532	420	520	679	181	97	144	867	185	481	311	1038	527	1425	777
8/05/2012	171	3225	7151	96	559	411	541	1101	185	104	153	953	191	406	325	1040	511	1488	911
6/08/2012	160	3510	6750	91	578	449	544	990	241	98	146	923	192	504	339	981	580	1447	841
13/11/2012	266	3750	7760	95	630	394	557	854	228	135	131	838	200		324	934	533	1418	757
13/02/2013	130	3500	5140	95	586	483	529	1705	292	111	140	769	183	462	353	919	582	1444	1233
14/05/2013	136	3510	7200	88	521	432	463	1218	229	68	139	880	162	469	321	902	551	1453	824
6/08/2013	150	3400	6000	84	573	445	552	1226	251	88	139	926	144	430	331	884	578	1451	1344
12/11/2013	289	3858	7430	101	565	42	587		216	74	145	919	198		325	924	543	1535	847
11/02/2014	328	4052	7298	83	548	405	545		195						309	825	536	1391	718
13/05/2014	282	3790	7050	100	567	425	547		219	100		687			326	882	561	1534	692
12/08/2014	375	4080	6950	109	522	409	490		262			634	191		316	899	548	1524	668
10/11/2014	262	4520	7	109	544	402	512		253	100		671	187		314	887	562	1537	647
9/02/2015	122	4360	7050	86	643	395	533	1754	275	94	130	651	168	510	321	886	526	1606	753
11/05/2015	130	3590	7100	85	532	423	522	1363	551	93	129	762	179	320	315	869	568	1588	681
11/08/2015	149	4140	6940	89	533	389	476	2090	1438	101	129	829	189		304	875	528	1643	569
10/11/2015	177	4020	6020	85	753	301	303	2620	164	82	121	754	156	334	252	838	471	1653	542
8/02/2016	238	4000	6920	120	564	391	377	826	106	98	122	651	176	470	306	869	552	1606	616
9/05/2016	180	4190	6680	94	571	406	490	1868	248	96	127	759	193		311	521	567	1607	663
9/08/2016	166	3744	5728	92	609	354	425	2325	129	91	126	810	179	366	304	791	530	1638	655
7/11/2016	202	4565	6321	92	550	405	514	827		87	124	816	189		302	844	562	1583	632
7/02/2017	288	4624	6965	96	557	407	435	493	194	89		804	202	519	305	883	583	1591	641
8/05/2017	110	4532	5581	104	694	398	459	2886	NT	82	109	755	136	455	308	862	541	1555	579
8/08/2017	135	4255	5962	102	587	401	482	2447	231	90	126	787	159	373	306	867	540	1565	619
7/11/2017	289		7777	74	610	408	442	1524	231	99	125	786	142	580	312	884	558	1561	646
14/02/2018	216		6535	94	590	412	386	884		92	122	710	166	548	313	868	553	1537	625
9/05/2018	138		6730		573	407	471	3513		97	121	764	183	430	306	856	551	1510	555
15/08/2018	194		5801	94	557	395	431	1671		90		748	178	431	303	854	565	1496	567
14/11/2018	153		6150	94	554	404	472	3080	256	86	118	744	173	558	300	833	553	1477	488
13/02/2019	237		6826	96	569	412	459		224				198		308	856	561	1504	479
15/05/2019	145		6890	92	930	395	434	1406	199	87		637	143	584	307	834	559	1478	557
14/08/2019	162		6010	94	734	369	413	1574		86		639	152	473	304	817	549	1468	562
13/11/2019	300		6429	100	738	422	430								320	836	574	1518	659
25/02/2020	107		7722	84	690	377	410	2930	132	78	81	638	113	562	311	800	552	1484	568
12/05/2020	114		7337	99	612	424	355	1876	424	83	118	701	132	672	309	797	560	1502	605
11/08/2020	159		6283	86	657	349	392	4068	246	66	113	647	137	510	299	760	566	1432	618
10/11/2020	247		6398	90	581	418	370	871	204	87	121		134	651	309	769	554	1444	605

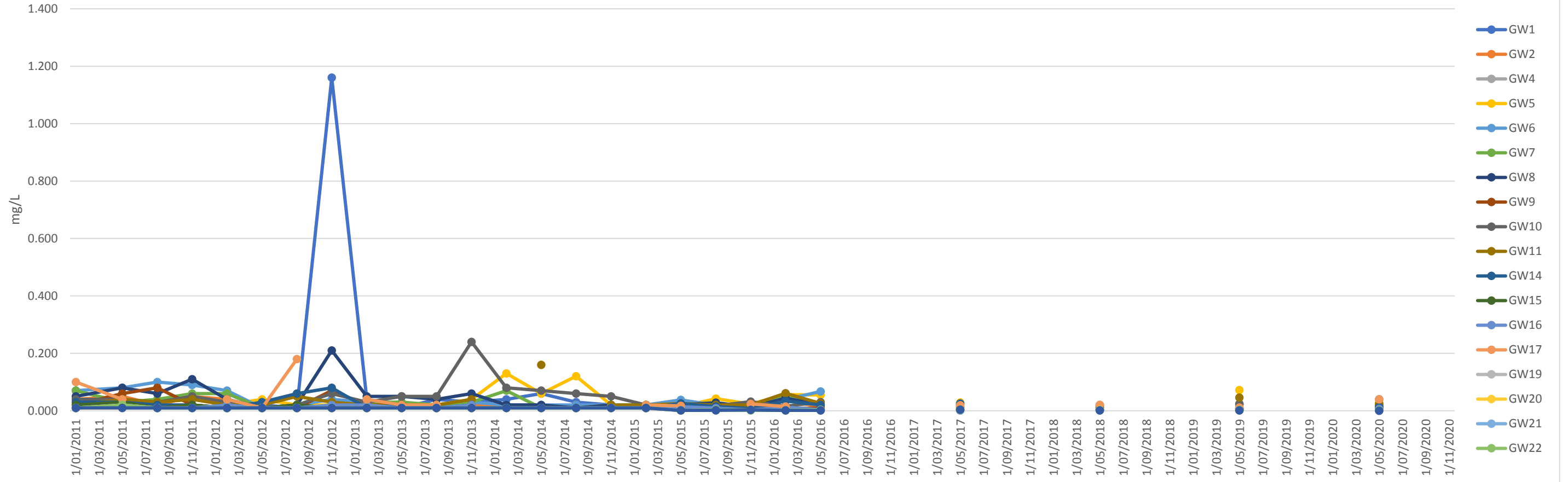
Cond	SW1	SW2	SW4
31/01/2011	120	142	
10/05/2011	150	163	260
9/08/2011	265	224	395
8/11/2011	309	229	439
6/02/2012	193	205	142
8/05/2012	108	123	118
6/08/2012	188	192	255
13/11/2012	301	325	257
13/02/2013	203	272	224
14/05/2013	138	149	242
6/08/2013	124	144	158
12/11/2013		257	510
11/02/2014		260	
13/05/2014	326	321	214
12/08/2014		269	
10/11/2014		248	
9/02/2015	230	196	118
11/05/2015	103	111	116
11/08/2015	125	140	152
10/11/2015	146	148	124
8/02/2016	196	182	215
9/05/2016	203	176	257
9/08/2016	121	181	194
7/11/2016		191	
7/02/2017		215	287
8/05/2017	139	142	159
8/08/2017	159	140	224
7/11/2017	199	216	190
14/02/2018		202	
9/05/2018	146	161	162
15/08/2018		148	
14/11/2018		227	235
10/02/2019		206	
15/05/2019	189	186	204
14/08/2019	161	163	178
13/11/2019		237	
25/02/2020	162	143	125
12/05/2020	159	148	266
11/08/2020	151	166	187
10/11/2020		248	276



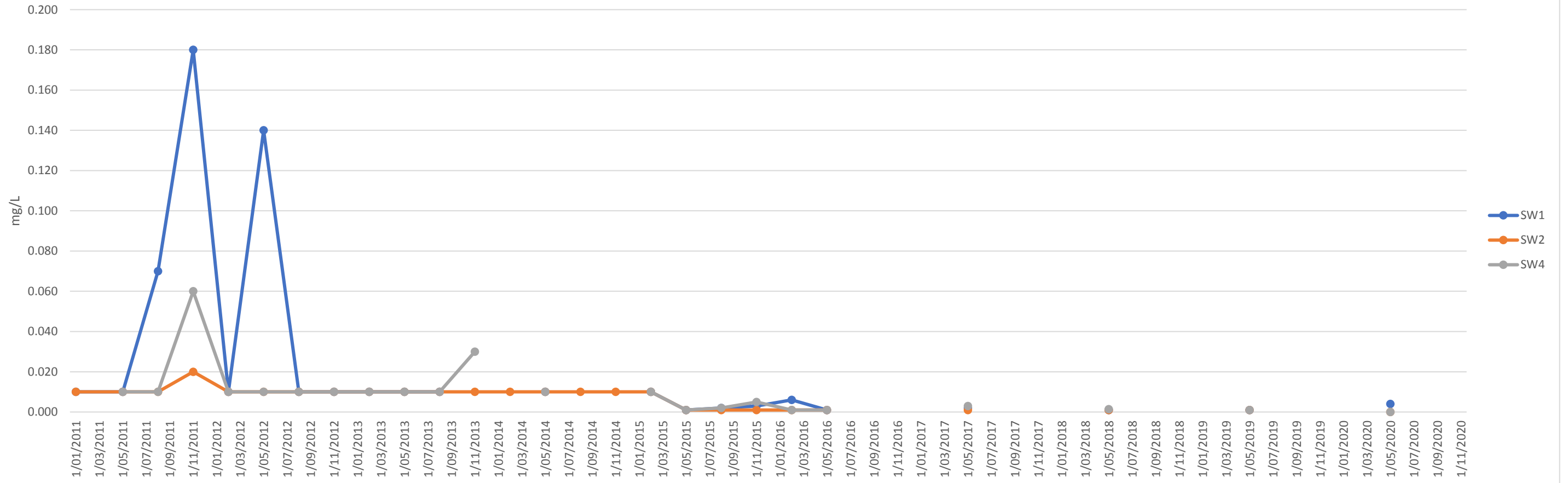
Cu	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.010	0.040	0.010	0.030	0.070	0.070	0.050	0.020	0.040	0.020	0.030	0.020	0.010	0.100	0.010	0.010		0.010	0.010
10/05/2011	0.040	0.050	0.020	0.030	0.080	0.030	0.080	0.060	0.040	0.040	0.030	0.030	0.020	0.040	0.020	0.010	0.010	0.020	0.010
9/08/2011	0.010	0.020	0.020	0.020	0.100	0.040	0.060	0.080	0.030	0.030	0.020	0.010	0.010		0.010	0.010	0.010	0.010	0.010
8/11/2011	0.010	0.050	0.020	0.010	0.090	0.060	0.110	0.020	0.050	0.040	0.020	0.020	0.010		0.010	0.010	0.010	0.010	0.010
6/02/2012	0.010	0.040	0.010	0.020	0.070	0.060	0.040	0.010	0.030	0.020	0.010	0.010	0.020	0.040	0.010	0.010	0.010	0.010	0.010
8/05/2012	0.020	0.010	0.010	0.040	0.010	0.010	0.010	0.010	0.010	0.020	0.030	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
6/08/2012	0.010	0.010	0.010	0.020	0.020	0.010	0.020	0.010	0.020	0.050	0.060	0.020	0.010	0.180	0.010	0.010	0.010	0.010	0.010
13/11/2012	1.160	0.010	0.010	0.020	0.040	0.010	0.210	0.070	0.060	0.030	0.080	0.010	0.020		0.010	0.010	0.010	0.010	0.010
13/02/2013	0.040	0.020	0.020	0.010	0.030	0.030	0.050	0.020	0.030	0.020	0.010	0.010	0.020	0.040	0.010	0.010	0.010	0.010	0.010
14/05/2013	0.010	0.010	0.010	0.020	0.020	0.030	0.050	0.020	0.050	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
6/08/2013	0.040	0.010	0.010	0.020	0.020	0.020	0.040	0.010	0.050	0.020	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
12/11/2013	0.030	0.020	0.010	0.040	0.030	0.030	0.060		0.240	0.040	0.020	0.010	0.020		0.010	0.010	0.010	0.010	0.010
11/02/2014	0.040	0.010	0.010	0.130	0.020	0.070	0.020		0.080						0.010	0.010	0.010	0.010	0.010
13/05/2014	0.060	0.010	0.010	0.060	0.020	0.010	0.020		0.070	0.160		0.010			0.010	0.010	0.010	0.010	0.010
12/08/2014	0.030	0.020	0.010	0.120	0.020	0.010	0.010		0.060			0.010	0.010		0.010	0.010	0.010	0.010	0.010
10/11/2014	0.020	0.010	0.010	0.020	0.020	0.020	0.020		0.050	0.020		0.010	0.010		0.010	0.010	0.010	0.010	0.010
9/02/2015	0.010	0.010	0.020	0.010	0.020	0.020	0.010	0.010	0.020	0.020	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
11/05/2015	0.001	0.015	0.006	0.014	0.038	0.012	0.021	0.008	0.017	0.025	0.026	0.004	0.014	0.017	0.001	0.001	0.002	0.001	0.001
11/08/2015	0.001	0.023	0.007	0.042	0.019	0.022	0.028	0.015	0.017	0.020	0.015	0.004	0.009		0.001	0.003	0.001	0.004	0.002
10/11/2015	0.015	0.010	0.003	0.023	0.020	0.013	0.013	0.012	0.032	0.020	0.008	0.005	0.003	0.024	0.001	0.002	0.001	0.002	0.003
8/02/2016	0.005	0.036	0.003	0.056	0.039	0.048	0.044	0.008	0.016	0.061	0.034	0.005	0.012	0.015	0.001	0.001	0.001	0.002	0.001
9/05/2016	0.006	0.014	0.010	0.055	0.067	0.027	0.021	0.009	0.030	0.026	0.020	0.004	0.004		0.001	0.002	0.001	0.003	0.001
9/08/2016																			
7/11/2016																			
7/02/2017																			
8/05/2017	0.002	0.013	0.006	0.029	0.021	0.011	0.022	0.001		0.014	0.025	0.005	0.005	0.019	0.001	0.004	0.001	0.003	0.004
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.003		0.002		0.015	0.011	0.010	0.007		0.019	0.020	0.003	0.004	0.021	0.002	0.003	0.001	0.002	0.001
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.002		0.006	0.072	0.024	0.021	0.009	0.008	0.024	0.046		0.007	0.006	0.011	0.003	0.001	0.001	0.003	0.001
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	0.001		0.007	0.029	0.012	0.024	0.017	0.014	0.040	0.024	0.012	0.007	0.007	0.040	0.001	0.001	0.001	0.001	<0.001
11/08/2020																			
10/11/2020																			

Cu	SW1	SW2	SW4
31/01/2011	0.010	0.010	
10/05/2011	0.010	0.010	0.010
9/08/2011	0.070	0.010	0.010
8/11/2011	0.180	0.020	0.060
6/02/2012	0.010	0.010	0.010
8/05/2012	0.140	0.010	0.010
6/08/2012	0.010	0.010	0.010
13/11/2012	0.010	0.010	0.010
13/02/2013	0.010	0.010	0.010
14/05/2013	0.010	0.010	0.010
6/08/2013	0.010	0.010	0.010
12/11/2013		0.010	0.030
11/02/2014		0.010	
13/05/2014	0.010	0.010	0.010
12/08/2014		0.010	
10/11/2014		0.010	
9/02/2015	0.010	0.010	0.010
11/05/2015	0.001	0.001	0.001
11/08/2015	0.002	0.001	0.002
10/11/2015	0.003	0.001	0.005
8/02/2016	0.006	0.001	0.001
9/05/2016	0.001	0.001	0.001
9/08/2016			
7/11/2016			
7/02/2017			
8/05/2017	0.002	0.001	0.003
8/08/2017			
7/11/2017			
14/02/2018			
9/05/2018	0.001	0.001	0.001
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.001	0.001	0.001
14/08/2019			
12/11/2019			
25/02/2020			
12/05/2020	0.004	<0.001	<0.001
11/08/2020			
10/11/2020			

Total Copper (mg/L)

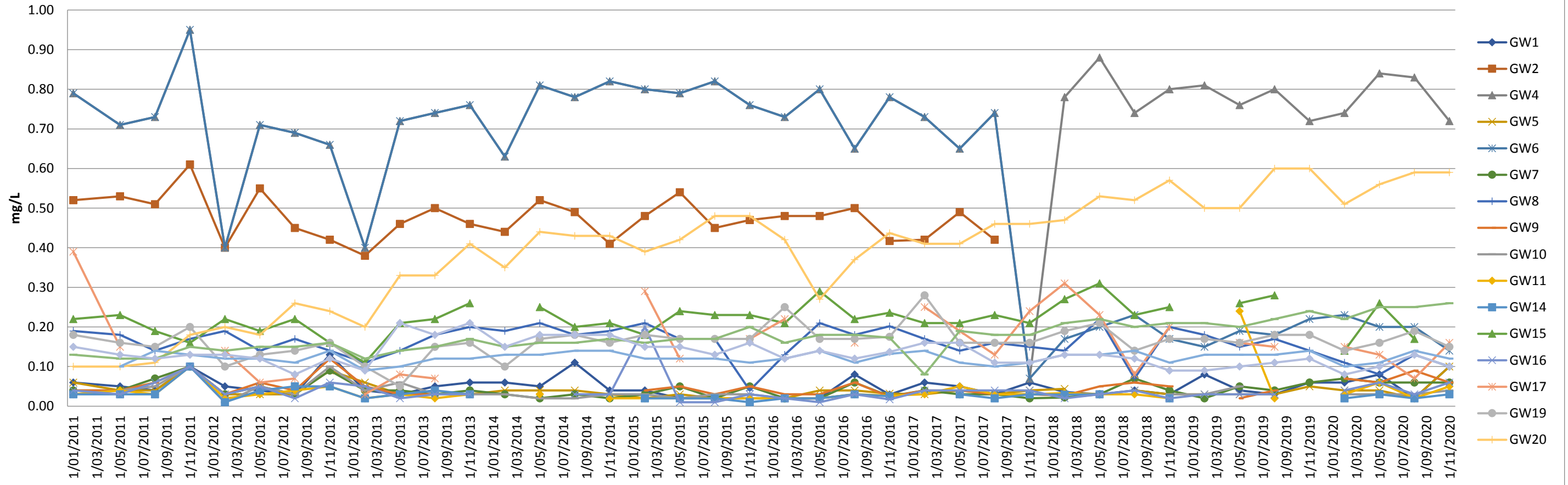


Total Copper (mg/L)



Flouride	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.06	0.52	0.79	0.06	0.79	0.04	0.19	0.04	0.03	0.03	0.03	0.22	0.04	0.39	0.18	0.10		0.13	0.15
10/05/2011	0.05	0.53	0.71	0.04	0.71	0.04	0.18	0.04	0.04	0.04	0.03	0.23	0.03	0.15	0.16	0.10	0.10	0.12	0.13
9/08/2011	0.04	0.51	0.73	0.04	0.73	0.07	0.14	0.06	0.05	0.03	0.03	0.19	0.06		0.15	0.11	0.14	0.12	0.12
8/11/2011	0.10	0.61	0.95	0.10	0.95	0.10	0.17	0.10	0.10	0.10	0.10	0.16	0.10		0.20	0.18	0.13	0.15	0.13
6/02/2012	0.05	0.40	0.40	0.03	0.40	0.03	0.19	0.03	0.01	0.02	0.01	0.22	0.03	0.14	0.10	0.20	0.12	0.14	0.13
8/05/2012	0.04	0.55	0.71	0.03	0.71	0.05	0.14	0.06	0.05	0.03	0.04	0.19	0.05	0.06	0.13	0.18	0.12	0.15	0.12
6/08/2012	0.03	0.45	0.69	0.03	0.69	0.03	0.17	0.04	0.03	0.04	0.05	0.22	0.02	0.07	0.14	0.26	0.11	0.15	0.08
13/11/2012	0.13	0.42	0.66	0.09	0.66	0.09	0.14	0.12	0.10	0.05	0.05	0.16	0.06		0.16	0.24	0.14	0.16	0.12
13/02/2013	0.04	0.38	0.40	0.06	0.40	0.04	0.11	0.05	0.04	0.02	0.02	0.11	0.05	0.03	0.10	0.20	0.09	0.12	0.09
14/05/2013	0.03	0.46	0.72	0.03	0.72	0.04	0.14	0.03	0.06	0.03	0.03	0.21	0.02	0.08	0.05	0.33	0.10	0.14	0.21
6/08/2013	0.05	0.50	0.74	0.03	0.74	0.03	0.18	0.03	0.03	0.02	0.04	0.22	0.03	0.07	0.15	0.33	0.12	0.15	0.18
12/11/2013	0.06	0.46	0.76	0.03	0.76	0.04	0.20		0.03	0.03	0.03	0.26	0.03		0.16	0.41	0.12	0.17	0.21
11/02/2014	0.06	0.44	0.63	0.04	0.63	0.03	0.19		0.03						0.10	0.35	0.13	0.15	0.15
13/05/2014	0.05	0.52	0.81	0.04	0.81	0.02	0.21		0.02	0.03		0.25			0.17	0.44	0.13	0.16	0.18
12/08/2014	0.11	0.49	0.78	0.04	0.78	0.03	0.18		0.02			0.20	0.03		0.18	0.43	0.14	0.16	0.18
10/11/2014	0.04	0.41	0.82	0.03	0.82	0.02	0.19		0.03	0.02		0.21	0.03		0.16	0.43	0.14	0.17	0.18
9/02/2015	0.04	0.48	0.80	0.02	0.80	0.03	0.21	0.04	0.03	0.02	0.02	0.18	0.20	0.29	0.18	0.39	0.12	0.16	0.15
11/05/2015	0.02	0.54	0.79	0.03	0.79	0.05	0.17	0.05	0.02	0.02	0.02	0.24	0.01	0.12	0.17	0.42	0.12	0.17	0.15
11/08/2015	0.02	0.45	0.82	0.02	0.82	0.02	0.17	0.03	0.03	0.02	0.02	0.23	0.01		0.17	0.48	0.12	0.17	0.13
10/11/2015	0.02	0.47	0.76	0.02	0.76	0.05	0.04	0.05	0.03	0.02	0.01	0.23	0.03	0.17	0.17	0.48	0.11	0.20	0.16
8/02/2016	0.02	0.48	0.73	0.02	0.73	0.02	0.13	0.03	0.02	0.02	0.02	0.21	0.02	0.22	0.25	0.42	0.12	0.16	0.12
9/05/2016	0.02	0.48	0.80	0.04	0.80	0.02	0.21	0.03	0.02	0.02	0.02	0.29	0.01		0.17	0.27	0.14	0.18	0.14
9/08/2016	0.08	0.50	0.65	0.04	0.65	0.06	0.18	0.06	0.03	0.03	0.03	0.22	0.03	0.16	0.17	0.37	0.11	0.18	0.12
7/11/2016	0.03	0.42	0.78	0.03	0.78	0.03	0.20	0.02		0.03	0.03	0.24	0.02		0.18	0.44	0.13	0.17	0.14
7/02/2017	0.06	0.42	0.73	0.03	0.73	0.04	0.17	0.04	0.03	0.03		0.21	0.04	0.25	0.28	0.41	0.14	0.08	0.16
8/05/2017	0.05	0.49	0.65	0.04	0.65	0.03	0.14	0.04		0.05	0.03	0.21	0.04	0.19	0.16	0.41	0.11	0.19	0.16
8/08/2017	0.03	0.42	0.74	0.03	0.74	0.03	0.16	0.03	0.03	0.03	0.02	0.23	0.04	0.13	0.16	0.46	0.10	0.18	0.11
7/11/2017	0.06		0.07	0.04	0.07	0.02	0.15	0.03	0.03	0.03	0.03	0.21	0.04	0.24	0.16	0.46	0.11	0.18	0.11
14/02/2018	0.04		0.78	0.04	0.17	0.02	0.14	0.03		0.03	0.03	0.27	0.02	0.31	0.19	0.47	0.13	0.21	0.13
9/05/2018	0.03		0.88		0.20	0.03	0.22	0.05		0.03	0.03	0.31	0.03	0.23	0.21	0.53	0.13	0.22	0.13
15/08/2018	0.04		0.74	0.04	0.23	0.07	0.07	0.06		0.03		0.23	0.04	0.08	0.14	0.52	0.14	0.20	0.12
14/11/2018	0.03		0.80	0.03	0.17	0.04	0.20	0.05	0.03	0.02	0.02	0.25	0.02	0.20	0.17	0.57	0.11	0.21	0.09
13/02/2019	0.08		0.81	0.03	0.15	0.02	0.18		0.03				0.03		0.17	0.50	0.13	0.21	0.09
15/05/2019	0.04		0.76	0.03	0.19	0.05	0.15	0.02	0.05	0.24		0.26	0.03	0.16	0.16	0.50	0.13	0.20	0.10
14/08/2019	0.03		0.80	0.03	0.18	0.04	0.17	0.04		0.02		0.28	0.03	0.15	0.18	0.60	0.13	0.22	0.11
13/11/2019	0.06		0.72	0.05	0.22	0.06	0.14								0.18	0.60	0.14	0.24	0.12
25/02/2020	0.06		0.74	0.04	0.23	0.07	0.11	0.07	0.03	0.03	0.02	0.14	0.04	0.15	0.14	0.51	0.10	0.22	0.08
12/05/2020	0.08		0.84	0.04	0.20	0.06	0.08	0.06	0.03	0.06	0.03	0.26	0.06	0.13	0.16	0.56	0.11	0.25	0.10
11/08/2020	0.02		0.83	0.02	0.20	0.06	0.13	0.09	0.03	0.02	0.02	0.17	0.03	0.07	0.19	0.59	0.14	0.25	0.13
10/11/2020	0.10		0.72	0.10	0.14	0.06	0.10	0.06	0.04	0.05	0.03		0.06	0.16	0.15	0.59	0.12	0.26	0.10

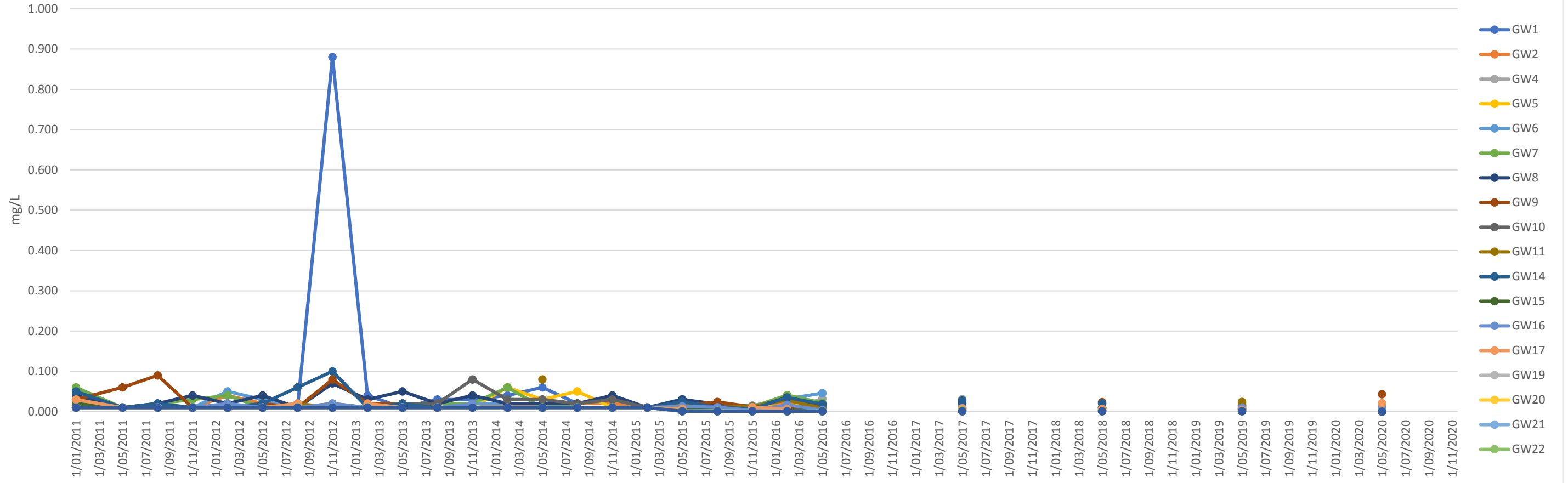
Flouride (mg/L)



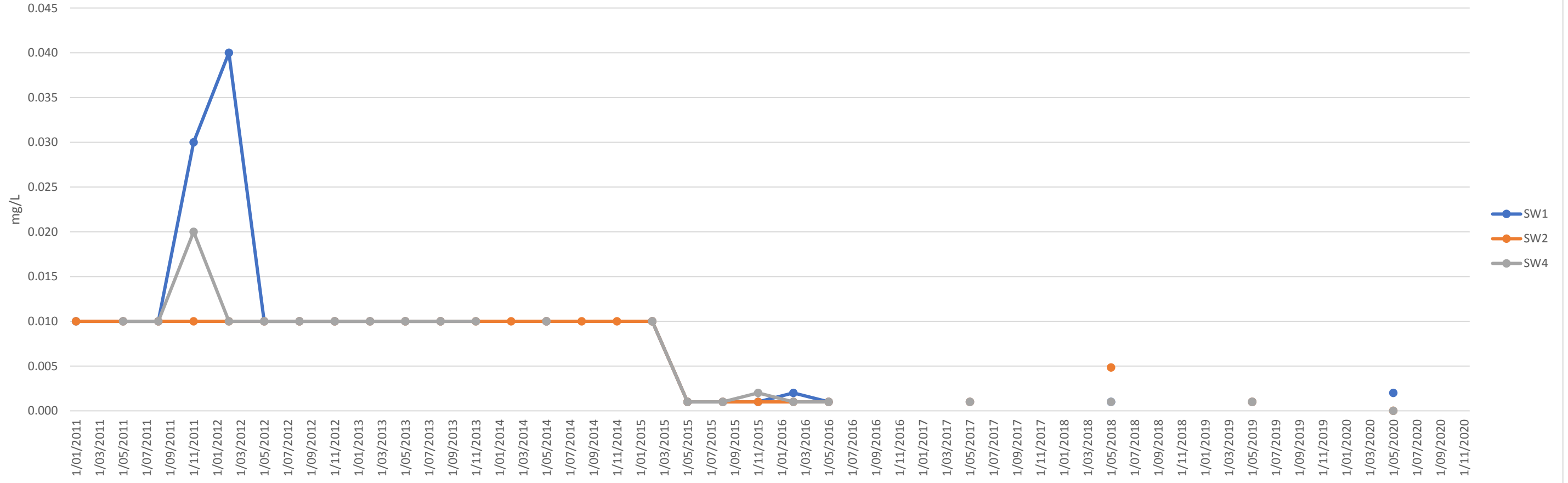
Pb	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.010	0.010	0.010	0.010	0.030	0.060	0.040	0.030	0.010	0.010	0.050	0.020	0.010	0.030	0.010	0.010		0.010	0.010
10/05/2011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.060	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
9/08/2011	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.090	0.010	0.010	0.020	0.010	0.010		0.010	0.010	0.010	0.010	0.010
8/11/2011	0.010	0.010	0.010	0.010	0.010	0.030	0.040	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
6/02/2012	0.010	0.040	0.010	0.010	0.050	0.040	0.020	0.010	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010
8/05/2012	0.010	0.020	0.010	0.010	0.030	0.010	0.040	0.020	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
6/08/2012	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.060	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
13/11/2012	0.880	0.010	0.010	0.010	0.010	0.010	0.070	0.080	0.020	0.010	0.100	0.010	0.020		0.010	0.010	0.010	0.010	0.010
13/02/2013	0.040	0.010	0.010	0.010	0.010	0.010	0.030	0.020	0.010	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
14/05/2013	0.010	0.010	0.010	0.010	0.020	0.020	0.050	0.020	0.020	0.020	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
6/08/2013	0.030	0.010	0.010	0.010	0.020	0.020	0.020	0.020	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
12/11/2013	0.030	0.010	0.010	0.010	0.020	0.020	0.040		0.080	0.010	0.010	0.010	0.020		0.010	0.010	0.010	0.010	0.010
11/02/2014	0.040	0.020	0.010	0.060	0.020	0.060	0.020		0.030						0.010	0.010	0.010	0.010	0.010
13/05/2014	0.060	0.010	0.010	0.030	0.020	0.010	0.020		0.030	0.080		0.010			0.010	0.010	0.010	0.010	0.010
12/08/2014	0.020	0.020	0.010	0.050	0.020	0.020	0.020		0.020			0.010	0.010		0.010	0.010	0.010	0.010	0.010
10/11/2014	0.030	0.020	0.010	0.010	0.030	0.030	0.040		0.030	0.010		0.010	0.010		0.010	0.010	0.010	0.010	0.010
9/02/2015	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
11/05/2015	0.002	0.018	0.013	0.008	0.031	0.023	0.030	0.016	0.006	0.017	0.025	0.006	0.013	0.007	0.001	0.001	0.001	0.002	0.001
11/08/2015	0.001	0.016	0.009	0.014	0.014	0.016	0.019	0.024	0.003	0.011	0.011	0.005	0.011		0.001	0.002	0.001	0.002	0.001
10/11/2015	0.010	0.008	0.002	0.008	0.015	0.012	0.010	0.012	0.011	0.013	0.007	0.002	0.003	0.011	0.001	0.001	0.001	0.001	0.001
8/02/2016	0.004	0.025	0.005	0.016	0.032	0.041	0.035	0.009	0.002	0.029	0.035	0.003	0.017	0.006	0.001	0.001	0.001	0.001	0.001
9/05/2016	0.003	0.010	0.032	0.016	0.046	0.022	0.017	0.017	0.010	0.008	0.019	0.002	0.004		0.001	0.001	0.001	0.002	0.001
9/08/2016																			
7/11/2016																			
7/02/2017																			
8/05/2017	0.002	0.010	0.031	0.011	0.014	0.008	0.021	0.003		0.007	0.028	0.004	0.009	0.008	0.001	0.001	0.001	0.003	0.001
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.002		0.003		0.010	0.009	0.008	0.024		0.010	0.020	0.003	0.006	0.006	0.001	0.001	0.001	0.001	0.001
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.002		0.012	0.022	0.016	0.016	0.007	0.014	0.008	0.024		0.005	0.010	0.004	0.001	0.001	0.001	0.001	0.001
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	<0.001		0.007	0.009	0.008	0.020	0.014	0.043	0.018	0.013	0.010	0.008	0.011	0.021	<0.001	<0.001	<0.001	<0.001	<0.001
11/08/2020																			
10/11/2020																			

Pb	SW1	SW2	SW4
31/01/2011	0.010	0.010	
10/05/2011	0.010	0.010	0.010
9/08/2011	0.010	0.010	0.010
8/11/2011	0.030	0.010	0.020
6/02/2012	0.040	0.010	0.010
8/05/2012	0.010	0.010	0.010
6/08/2012	0.010	0.010	0.010
13/11/2012	0.010	0.010	0.010
13/02/2013	0.010	0.010	0.010
14/05/2013	0.010	0.010	0.010
6/08/2013	0.010	0.010	0.010
12/11/2013		0.010	0.010
11/02/2014		0.010	
13/05/2014	0.010	0.010	0.010
12/08/2014		0.010	
10/11/2014		0.010	
9/02/2015	0.010	0.010	0.010
11/05/2015	0.001	0.001	0.001
11/08/2015	0.001	0.001	0.001
10/11/2015	0.001	0.001	0.002
8/02/2016	0.002	0.001	0.001
9/05/2016	0.001	0.001	0.001
9/08/2016			
7/11/2016			
7/02/2017			
8/05/2017	0.001	0.001	0.001
8/08/2017			
7/11/2017			
14/02/2018			
9/05/2018	0.001	0.005	0.001
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.001	0.001	0.001
14/08/2019			
12/11/2019			
25/02/2020			
12/05/2020	0.002	<0.001	<0.001
11/08/2020			
10/11/2020			

Total Lead (mg/L)

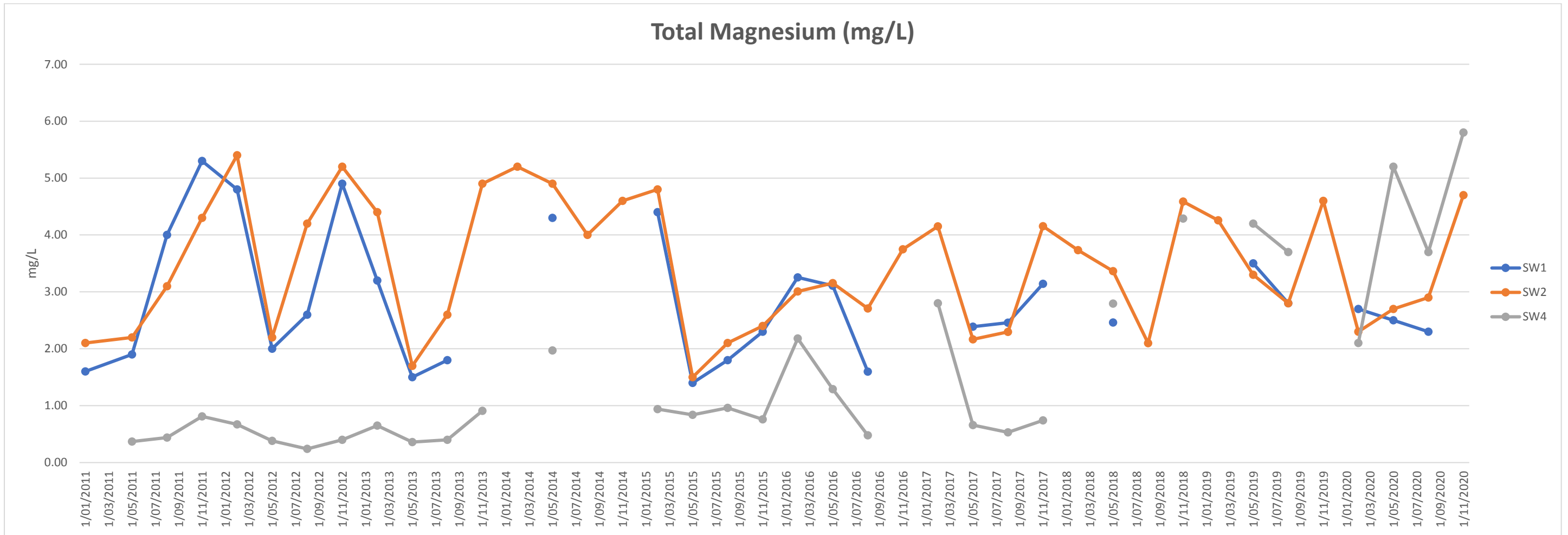
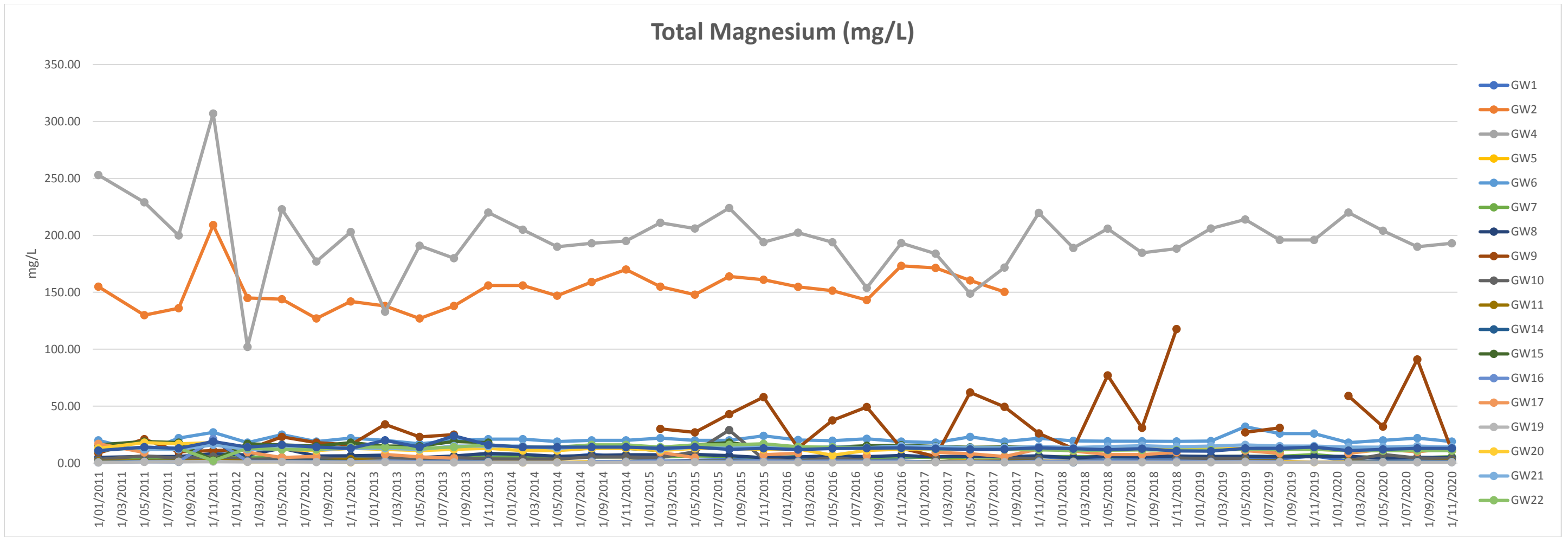


Total Lead (mg/L)



Mg	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	2.50	155.00	253.00	1.00	20.00	3.60	5.00	8.80	3.20	1.50	0.90	16.00	0.60	17.00	0.70	13.00		11.00	11.00
10/05/2011	2.60	130.00	229.00	1.40	10.00	4.30	5.80	21.00	6.40	2.00	1.60	19.00	1.20	9.30	1.10	18.00	12.00	14.00	14.00
9/08/2011	3.40	136.00	200.00	1.20	22.00	4.10	5.80	10.00	4.30	1.70	1.40	18.00	1.10		1.20	17.00	12.00	13.00	13.00
8/11/2011	4.20	209.00	307.00	2.20	27.00	5.90	8.30	11.00	5.80	2.50	20.00	2.40	21.00		1.40	18.00	16.00	2.10	19.00
6/02/2012	4.20	145.00	102.00	1.30	18.00	5.30	7.20	12.00	3.40	1.90	1.70	17.00	1.60	9.70	1.10	14.00	12.00	13.00	14.00
8/05/2012	3.30	144.00	223.00	1.20	25.00	5.20	13.00	23.00	3.90	1.40	1.50	16.00	1.40	4.90	1.10	12.00	13.00	12.00	16.00
6/08/2012	3.20	127.00	177.00	1.50	19.00	4.70	6.20	18.00	4.70	1.70	1.80	15.00	1.30	6.00	1.00	11.00	12.00	12.00	14.00
13/11/2012	4.90	142.00	203.00	0.80	22.00	5.10	6.50	16.00	3.50	3.60	1.40	18.00	1.10		1.00	13.00	13.00	14.00	13.00
13/02/2013	2.20	138.00	133.00	1.20	20.00	4.60	7.00	34.00	3.90	1.90	1.30	15.00	2.00	7.60	1.00	12.00	13.00	14.00	20.00
14/05/2013	2.20	127.00	191.00	1.00	17.00	4.30	4.90	23.00	4.00	0.80	1.10	15.00	1.30	5.50	0.60	11.00	12.00	13.00	14.00
6/08/2013	2.50	138.00	180.00	1.00	20.00	5.20	6.30	25.00	4.90	1.30	1.30	19.00	1.10	4.30	0.60	12.00	15.00	14.00	24.00
12/11/2013	6.30	156.00	220.00	1.00	21.00	5.10	8.50		3.70	1.20	1.50	18.00	1.10		0.80	13.00	15.00	16.00	16.00
11/02/2014	6.50	156.00	205.00	0.70	21.00	5.60	7.60		3.50						0.70	11.00	15.00	14.00	14.00
13/05/2014	4.50	147.00	190.00	0.80	19.00	4.90	5.90		3.50	1.10		12.00			0.60	11.00	13.00	14.00	14.00
12/08/2014	7.80	159.00	193.00	1.20	20.00	5.40	6.70		5.30			13.00	1.40		0.70	13.00	15.00	16.00	14.00
10/11/2014	5.50	170.00	195.00	1.50	20.00	5.50	7.40		5.40	1.70		13.00	1.40		0.80	13.00	16.00	16.00	14.00
9/02/2015	1.80	155.00	211.00	1.10	22.00	5.30	7.40	30.00	4.90	1.50	1.30	11.00	1.80	9.40	0.80	11.00	12.00	14.00	13.00
11/05/2015	2.40	148.00	206.00	1.40	20.00	6.20	7.60	27.00	10.00	1.80	1.50	16.00	1.60	4.80	0.90	13.00	14.00	16.00	14.00
11/08/2015	3.10	164.00	224.00	1.60	20.00	5.90	6.60	43.00	29.00	2.00	1.50	18.00	1.50		0.80	13.00	14.00	16.00	12.00
10/11/2015	4.00	161.00	194.00	1.60	24.00	4.90	4.70	58.00	3.50	1.80	1.40	14.00	2.10	7.40	0.80	12.00	14.00	17.00	13.00
8/02/2016	4.91	154.80	202.41	2.00	20.35	5.61	5.41	13.30	1.79	1.69	1.37	12.88	1.60	8.75	0.79	12.42	13.87	14.35	11.99
9/05/2016	3.41	151.48	193.99	1.24	19.74	4.91	6.61	37.58	4.73	1.74	1.34	14.10	1.82		0.71	6.94	14.14	13.89	12.87
9/08/2016	3.52	143.28	153.94	1.53	21.34	4.93	5.64	49.28	2.26	1.81	1.29	15.30	1.69	6.55	0.77	11.19	13.53	13.45	13.14
7/11/2016	4.67	173.28	193.15	1.43	18.88	5.62	6.80	13.20		1.49	1.58	15.76	1.51		0.78	12.26	14.96	13.12	13.42
7/02/2017	5.86	171.42	183.96	1.27	17.97	4.67	5.44	5.86	3.46	1.30		14.62	1.04	9.53	0.74	12.51	14.31	12.44	12.66
8/05/2017	1.81	160.42	148.84	2.32	23.08	5.33	6.14	62.09		1.56	1.66	13.88	1.18	8.23	0.88	12.99	13.60	12.25	12.10
8/08/2017	2.61	150.38	171.68	1.54	18.94	5.24	5.73	49.44	4.35	1.58	1.21	14.22	0.99	5.74	0.80	12.41	13.53	11.85	12.16
7/11/2017	5.69		219.81	1.34	21.81	5.73	6.40	26.15	3.87	1.86	1.51	13.93	1.52	12.41	0.79	13.01	14.50	11.66	13.46
14/02/2018	4.18		188.93	1.39	19.55	5.82	4.61	12.73		1.39	0.63	12.26	1.20	10.75	0.78	12.38	13.69	11.21	12.62
9/05/2018	2.47		205.80		19.26	5.45	6.16	77.06		1.92	1.28	13.12	1.87	7.48	0.72	12.35	14.48	11.28	11.73
15/08/2018	4.18		184.68	1.49	19.19	5.62	5.57	31.02		1.55		13.44	1.49	7.51	0.77	12.96	15.34	11.57	12.71
14/11/2018	3.02		188.39	1.42	19.13	5.80	6.20	117.73	4.47	1.75	1.47	13.31	1.68	9.43	0.69	12.41	14.42	11.46	10.75
13/02/2019	4.63		205.96	1.35	19.35	5.83	5.77		3.88				1.23		0.76	12.83	14.96	11.49	10.53
15/05/2019	2.70		214.00	1.30	32.00	5.90	6.00	27.00	4.00	1.90		11.00	1.40	11.00	0.90	13.00	16.00	12.00	13.00
14/08/2019	3.70		196.00	1.50	26.00	5.90	5.50	31.00		1.90		11.00	1.30	8.50	0.80	12.00	15.00	12.00	13.00
13/11/2019	6.20		196.00	1.00	26.00	7.50	5.60								0.90	12.00	15.00	12.00	14.00
25/02/2020	1.80		220.00	1.20	18.00	5.10	6.00	59.00	2.20	1.60	1.00	11.00	1.00	8.50	0.80	11.00	14.00	11.00	11.00
12/05/2020	1.90		204.00	1.40	20.00	5.60	4.50	32.00	7.60	1.40	1.40	11.00	0.90	12.00	0.80	11.00	14.00	11.00	12.00
11/08/2020	3.70		190.00	1.40	22.00	4.70	5.20	91.00	4.50	1.30	1.40	12.00	1.00	10.00	0.80	12.00	15.00	11.00	13.00
10/11/2020	5.20		193.00	1.40	19.00	5.70	4.70	11.00	4.00	1.90	1.40		0.90	13.00	0.80	11.00	14.00	11.00	13.00

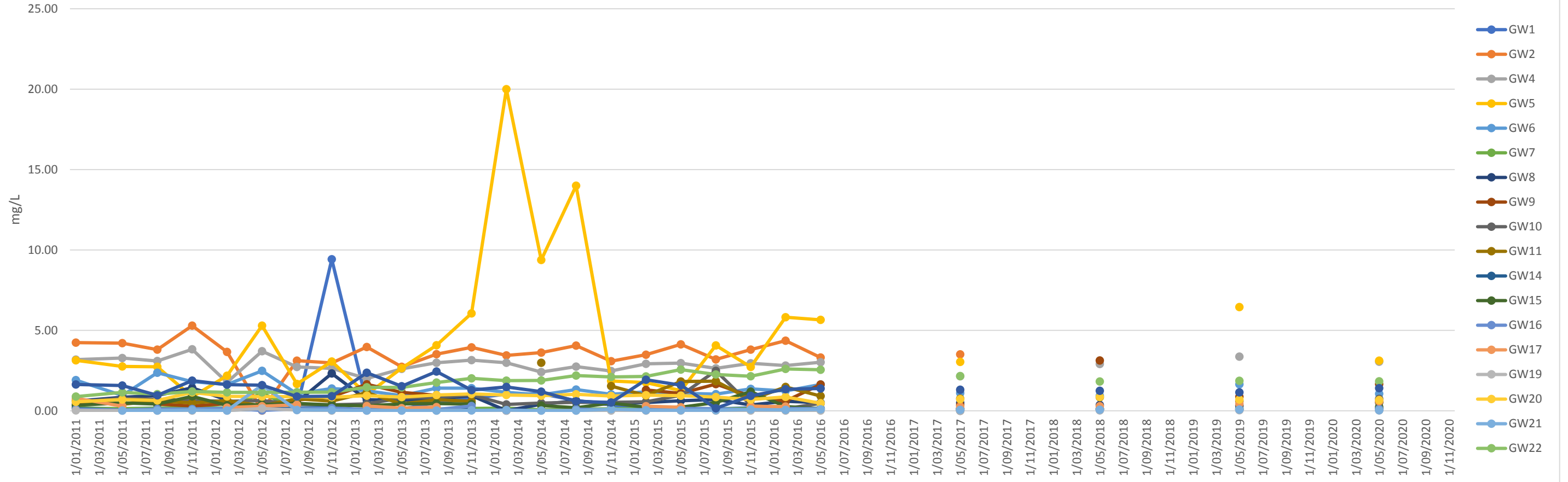
Mg	SW1	SW2	SW4
31/01/2011	1.60	2.10	
10/05/2011	1.90	2.20	0.37
9/08/2011	4.00	3.10	0.44
8/11/2011	5.30	4.30	0.81
6/02/2012	4.80	5.40	0.67
8/05/2012	2.00	2.20	0.38
6/08/2012	2.60	4.20	0.24
13/11/2012	4.90	5.20	0.40
13/02/2013	3.20	4.40	0.65
14/05/2013	1.50	1.70	0.36
6/08/2013	1.80	2.60	0.40
12/11/2013		4.90	0.91
11/02/2014		5.20	
13/05/2014	4.30	4.90	1.97
12/08/2014		4.00	
10/11/2014		4.60	
9/02/2015	4.40	4.80	0.94
11/05/2015	1.40	1.50	0.84
11/08/2015	1.80	2.10	0.96
10/11/2015	2.30	2.40	0.76
8/02/2016	3.25	3.01	2.18
9/05/2016	3.11	3.15	1.29
9/08/2016	1.60	2.71	0.48
7/11/2016		3.75	
7/02/2017		4.15	2.80
8/05/2017	2.39	2.16	0.66
8/08/2017	2.46	2.30	0.53
7/11/2017	3.14	4.15	0.74
14/02/2018		3.73	
9/05/2018	2.46	3.36	2.79
15/08/2018		2.10	
14/11/2018		4.59	4.29
10/02/2019		4.26	
15/05/2019	3.50	3.30	4.20
14/08/2019	2.80	2.80	3.70
12/11/2019		4.60	
25/02/2020	2.70	2.30	2.10
12/05/2020	2.50	2.70	5.20
11/08/2020	2.30	2.90	3.70
10/11/2020		4.70	5.80



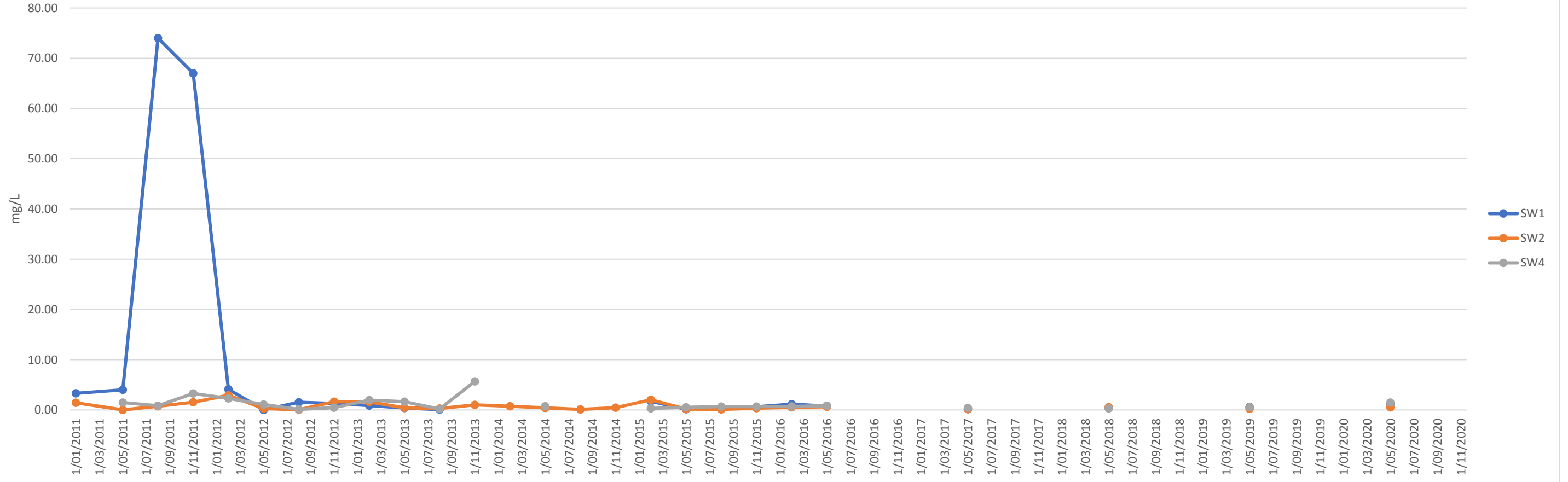
Mn	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.19	4.24	3.18	3.14	1.91	0.16	0.60	0.35	0.56	0.62	0.13	0.34	0.09	0.78	0.02	0.56		0.88	1.63
10/05/2011	0.08	4.21	3.28	2.76	0.95	0.13	0.84	0.79	0.78	0.40	0.04	0.49	0.04	0.29	0.01	0.70	0.01	1.15	1.57
9/08/2011	0.17	3.80	3.09	2.74	2.37	0.17	0.95	0.41	0.71	0.61	0.03	0.42	0.11		0.01	0.64	0.01	1.04	0.96
8/11/2011	0.15	5.29	3.82	0.86	1.81	0.22	1.43	0.30	0.63	0.49	0.10	0.90	0.11		0.01	1.14	0.04	1.20	1.88
6/02/2012	0.16	3.66	1.77	2.18	1.64	0.17	0.67	0.44	0.59	0.63	0.05	0.34	0.15	0.20	0.01	0.90	0.01	1.15	1.62
8/05/2012	0.12	0.01	3.71	5.30	2.48	1.09	0.09	0.35	0.63	0.31	0.08	0.38	0.02	0.28	0.14	0.88	1.59	1.14	1.59
6/08/2012	0.14	3.12	2.72	1.67	1.06	0.12	0.54	0.67	0.40	0.74	0.17	0.46	0.12	0.37	0.05	0.87	0.05	1.16	0.88
13/11/2012	9.42	2.97	2.64	3.06	1.38	0.09	2.32	0.88	0.37	0.60	0.21	0.36	0.17		0.01	0.84	0.05	1.16	0.91
13/02/2013	0.50	3.97	2.01	1.01	1.24	0.09	0.69	1.65	0.43	1.12	0.03	0.31	0.08	0.30	0.01	0.94	0.01	1.46	2.37
14/05/2013	0.09	2.74	2.60	2.65	0.94	0.08	0.65	1.14	0.80	0.43	0.09	0.43	0.06	0.17	0.01	0.85	0.01	1.45	1.53
6/08/2013	0.52	3.52	2.99	4.07	1.41	0.10	0.74	0.96	0.85	0.69	0.03	0.45	0.08	0.23	0.01	0.98	0.01	1.76	2.44
12/11/2013	0.77	3.94	3.15	6.06	1.41	0.14	0.94		0.99	0.59	0.08	0.41	0.30		0.02	1.05	0.02	2.02	1.29
11/02/2014	1.04	3.44	2.99	20.00	1.14	0.16	0.01		0.39						0.01	0.98	0.05	1.88	1.48
13/05/2014	1.06	3.62	2.41	9.38	0.99	0.06	0.40		0.48	2.99		0.33			0.01	0.94	0.01	1.89	1.19
12/08/2014	0.63	4.05	2.75	14.00	1.32	0.10	0.62		0.52			0.19	0.10		0.01	1.03	0.01	2.19	0.59
10/11/2014	0.36	3.08	2.47	1.85	1.03	0.12	0.45		0.52	1.54		0.48	0.06		0.01	0.92	0.10	2.10	0.51
9/02/2015	0.03	3.49	2.92	1.75	1.18	0.13	0.51	1.30	0.56	0.95	0.08	0.22	0.08	0.28	0.01	0.97	0.03	2.14	1.93
11/05/2015	0.07	4.13	2.96	1.25	1.09	0.14	0.62	1.08	0.96	1.82	0.11	0.22	0.14	0.22	0.01	0.94	0.04	2.56	1.59
11/08/2015	0.11	3.19	2.64	4.06	1.04	0.13	0.69	1.66	2.49	1.84	0.08	0.51	0.13		0.01	0.85	0.03	2.26	0.15
10/11/2015	0.19	3.80	2.96	2.73	1.37	0.13	0.36	0.91	0.35	0.69	0.07	1.19	0.07	0.27	0.01	0.69	0.08	2.14	0.93
8/02/2016	0.14	4.36	2.81	5.82	1.23	0.18	0.59	0.61	0.14	1.48	0.13	0.27	0.14	0.26	0.01	0.86	0.06	2.60	1.34
9/05/2016	0.09	3.32	3.02	5.66	1.64	0.14	0.51	1.64	0.46	0.92	0.10	0.12	0.14		0.01	0.47	0.09	2.55	1.38
9/08/2016																			
7/11/2016																			
7/02/2017																			
8/05/2017	0.05	3.51	2.14	3.04	1.10	0.10	0.49	0.35	NT	0.75	0.15	0.13	0.14	0.26	0.01	0.72	0.05	2.15	1.31
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.04		2.91		0.94	0.12	0.36	3.12		0.84	0.11	0.11	0.10	0.29	0.02	0.87	0.06	1.82	1.25
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.06		3.37	6.45	1.65	0.14	0.30	0.88	0.36	0.61		0.10	0.09	0.45	0.03	0.70	0.08	1.86	1.14
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	0.05		3.05	3.12	1.06	0.15	0.53	1.66	0.75	0.54	0.09	0.24	0.12	0.59	0.02	0.67	0.03	1.83	1.41
11/08/2020																			
10/11/2020																			

Mn	SW1	SW2	SW4
31/01/2011	3.30	1.42	
10/05/2011	4.01	0.01	1.45
9/08/2011	74.00	0.73	0.84
8/11/2011	67.00	1.53	3.29
6/02/2012	4.10	2.93	2.31
8/05/2012	0.01	0.27	1.08
6/08/2012	1.55	0.05	0.12
13/11/2012	1.29	1.64	0.45
13/02/2013	0.88	1.59	1.96
14/05/2013	0.37	0.41	1.64
6/08/2013	0.07	0.27	0.17
12/11/2013		1.00	5.70
11/02/2014		0.74	
13/05/2014	0.41	0.43	0.72
12/08/2014		0.12	
10/11/2014		0.44	
9/02/2015	1.71	2.02	0.32
11/05/2015	0.15	0.18	0.51
11/08/2015	0.60	0.11	0.66
10/11/2015	0.64	0.36	0.65
8/02/2016	1.16	0.54	0.71
9/05/2016	0.77	0.64	0.82
9/08/2016			
7/11/2016			
7/02/2017			
8/05/2017	0.19	0.15	0.37
8/08/2017			
7/11/2017			
14/02/2018			
9/05/2018	0.39	0.57	0.32
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.59	0.20	0.54
14/08/2019			
12/11/2019			
25/02/2020			
12/05/2020	1.25	0.53	1.48
11/08/2020			
10/11/2020			

Total Manganese (mg/L)



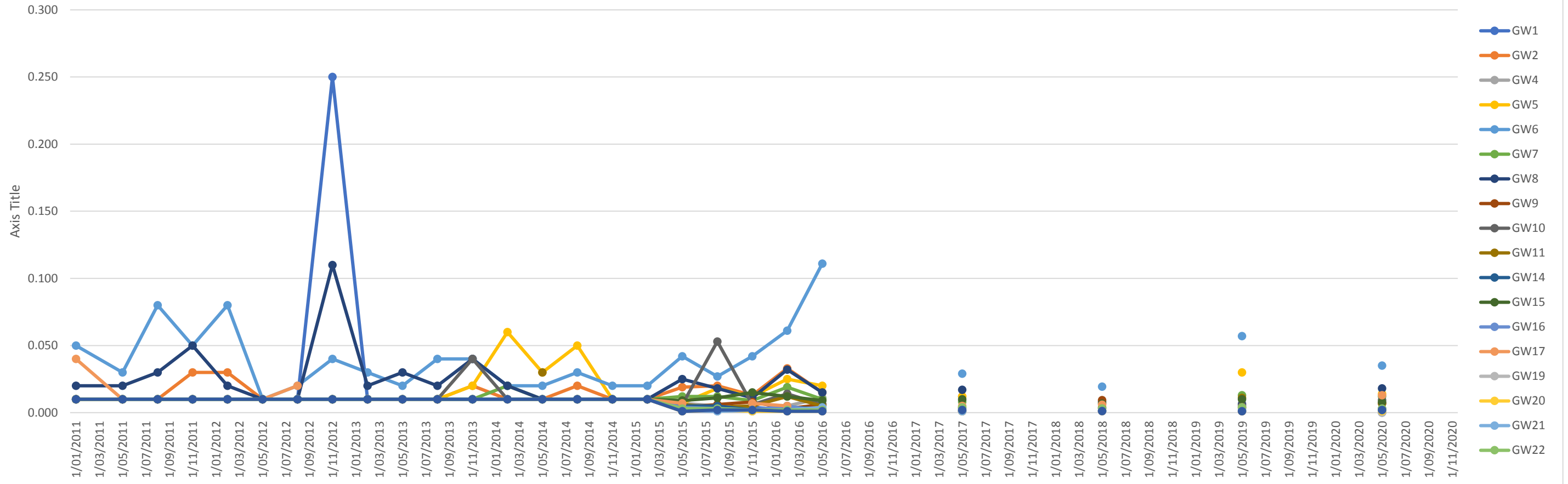
Total Manganese (mg/L)



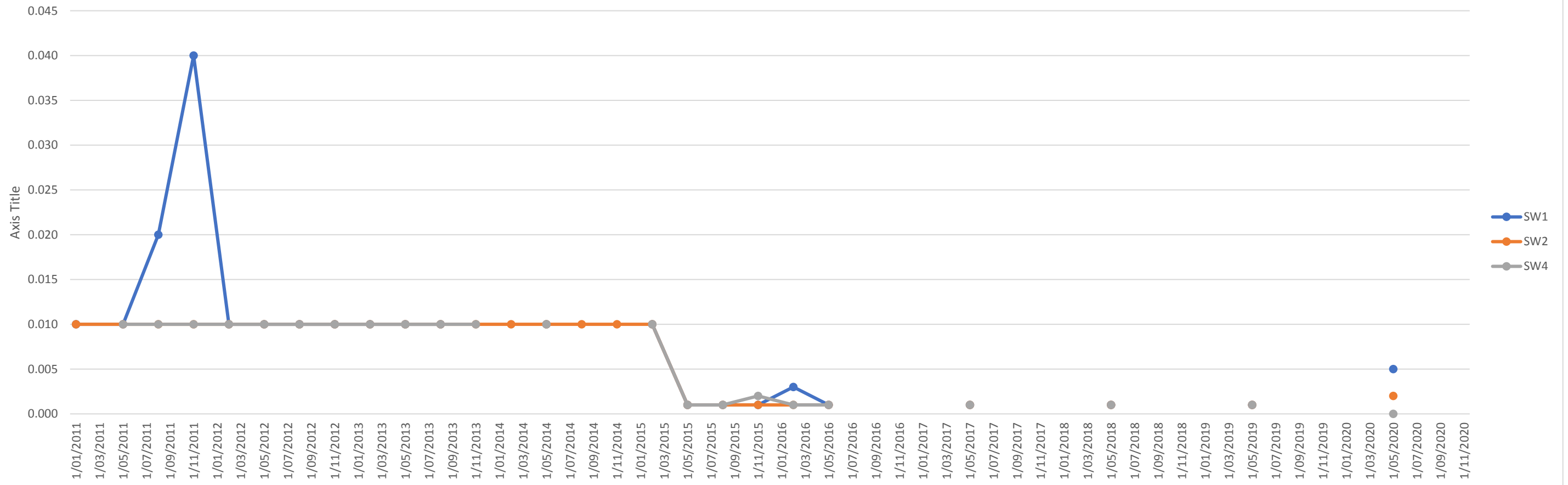
Ni	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.010	0.010	0.010	0.010	0.050	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.040	0.010	0.010		0.010	0.010
10/05/2011	0.010	0.010	0.010	0.010	0.030	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
9/08/2011	0.010	0.010	0.010	0.010	0.080	0.010	0.030	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
8/11/2011	0.010	0.030	0.010	0.010	0.050	0.010	0.050	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
6/02/2012	0.010	0.030	0.010	0.010	0.080	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
8/05/2012	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
6/08/2012	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010
13/11/2012	0.250	0.010	0.010	0.010	0.040	0.010	0.110	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
13/02/2013	0.010	0.010	0.010	0.010	0.030	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
14/05/2013	0.010	0.010	0.010	0.010	0.020	0.010	0.030	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
6/08/2013	0.010	0.010	0.010	0.010	0.040	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
12/11/2013	0.010	0.020	0.010	0.020	0.040	0.010	0.040		0.040	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.010	0.010
11/02/2014	0.010	0.010	0.010	0.060	0.020	0.020	0.020		0.010						0.010	0.010	0.010	0.010	0.010
13/05/2014	0.010	0.010	0.010	0.030	0.020	0.010	0.010		0.010	0.030		0.010			0.010	0.010	0.010	0.010	0.010
12/08/2014	0.010	0.020	0.010	0.050	0.030	0.010	0.010		0.010			0.010	0.010		0.010	0.010	0.010	0.010	0.010
10/11/2014	0.010	0.010	0.010	0.010	0.020	0.010	0.010		0.010	0.010		0.010	0.010		0.010	0.010	0.010	0.010	0.010
9/02/2015	0.010	0.010	0.010	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
11/05/2015	0.001	0.019	0.007	0.007	0.042	0.012	0.025	0.004	0.006	0.006	0.005	0.009	0.004	0.007	0.001	0.001	0.002	0.003	0.001
11/08/2015	0.001	0.020	0.005	0.018	0.027	0.012	0.018	0.006	0.053	0.004	0.005	0.011	0.003		0.001	0.002	0.001	0.003	0.002
10/11/2015	0.004	0.013	0.001	0.012	0.042	0.009	0.011	0.008	0.006	0.005	0.002	0.015	0.002	0.007	0.001	0.001	0.002	0.002	0.002
8/02/2016	0.002	0.033	0.005	0.025	0.061	0.019	0.032	0.003	0.014	0.012	0.004	0.012	0.005	0.005	0.001	0.001	0.002	0.002	0.001
9/05/2016	0.002	0.015	0.011	0.020	0.111	0.010	0.015	0.006	0.006	0.005	0.003	0.009	0.001		0.003	0.001	0.004	0.002	0.001
9/08/2016																			
7/11/2016																			
7/02/2017																			
8/05/2017	0.001	0.012	0.009	0.012	0.029	0.008	0.017	0.001		0.004	0.003	0.010	0.002	0.005	0.001	0.001	0.001	0.004	0.002
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.001		0.001		0.019	0.007	0.008	0.009		0.004	0.003	0.007	0.001	0.006	0.001	0.001	0.001	0.003	0.001
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.001		0.007	0.030	0.057	0.013	0.006	0.004	0.005	0.011		0.010	0.003	0.004	0.001	0.001	0.002	0.004	0.001
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	<0.001		0.007	0.014	0.035	0.012	0.018	0.007	0.009	0.007	0.003	0.008	0.002	0.013	<0.001	0.001	0.002	0.003	0.002
11/08/2020																			
10/11/2020																			

Ni	SW1	SW2	SW4
31/01/2011	0.010	0.010	
10/05/2011	0.010	0.010	0.010
9/08/2011	0.020	0.010	0.010
8/11/2011	0.040	0.010	0.010
6/02/2012	0.010	0.010	0.010
8/05/2012	0.010	0.010	0.010
6/08/2012	0.010	0.010	0.010
13/11/2012	0.010	0.010	0.010
13/02/2013	0.010	0.010	0.010
14/05/2013	0.010	0.010	0.010
6/08/2013	0.010	0.010	0.010
12/11/2013		0.010	0.010
11/02/2014		0.010	
13/05/2014	0.010	0.010	0.010
12/08/2014		0.010	
10/11/2014		0.010	
9/02/2015	0.010	0.010	0.010
11/05/2015	0.001	0.001	0.001
11/08/2015	0.001	0.001	0.001
10/11/2015	0.001	0.001	0.002
8/02/2016	0.003	0.001	0.001
9/05/2016	0.001	0.001	0.001
9/08/2016			
7/11/2016			
7/02/2017			
8/05/2017	0.001	0.001	0.001
8/08/2017			
7/11/2017			
14/02/2018			
9/05/2018	0.001	0.001	0.001
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.001	0.001	0.001
14/08/2019			
12/11/2019			
25/02/2020			
12/05/2020	0.005	0.002	<0.001
11/08/2020			
10/11/2020			

Total Nickel (mg/L)



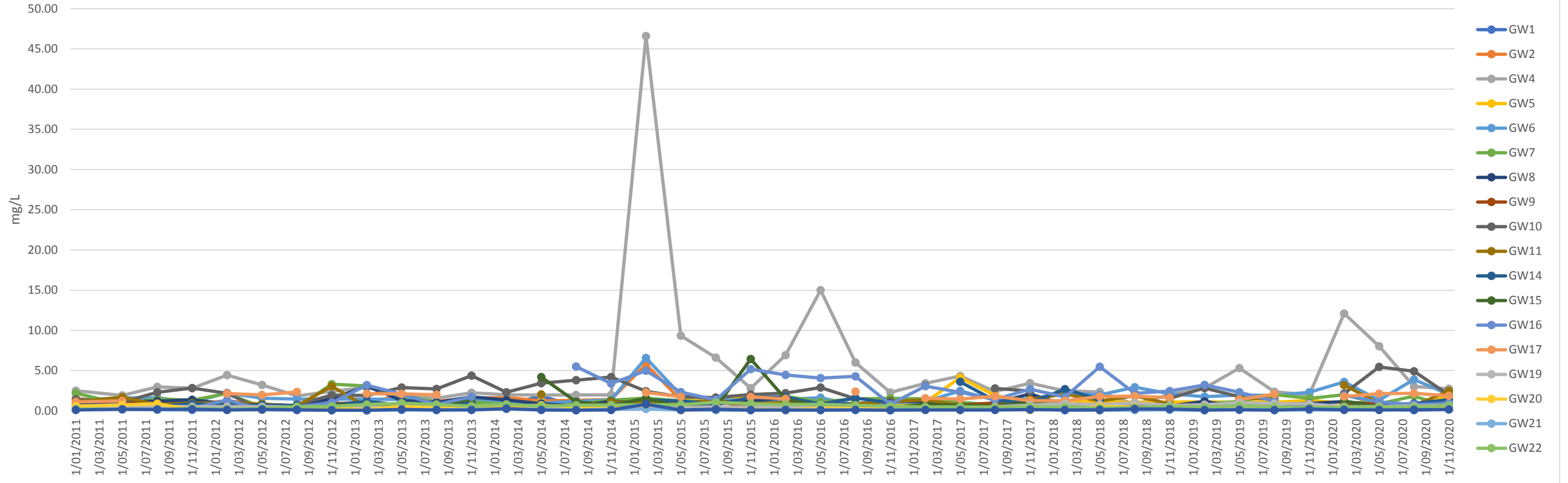
Total Nickel (mg/L)



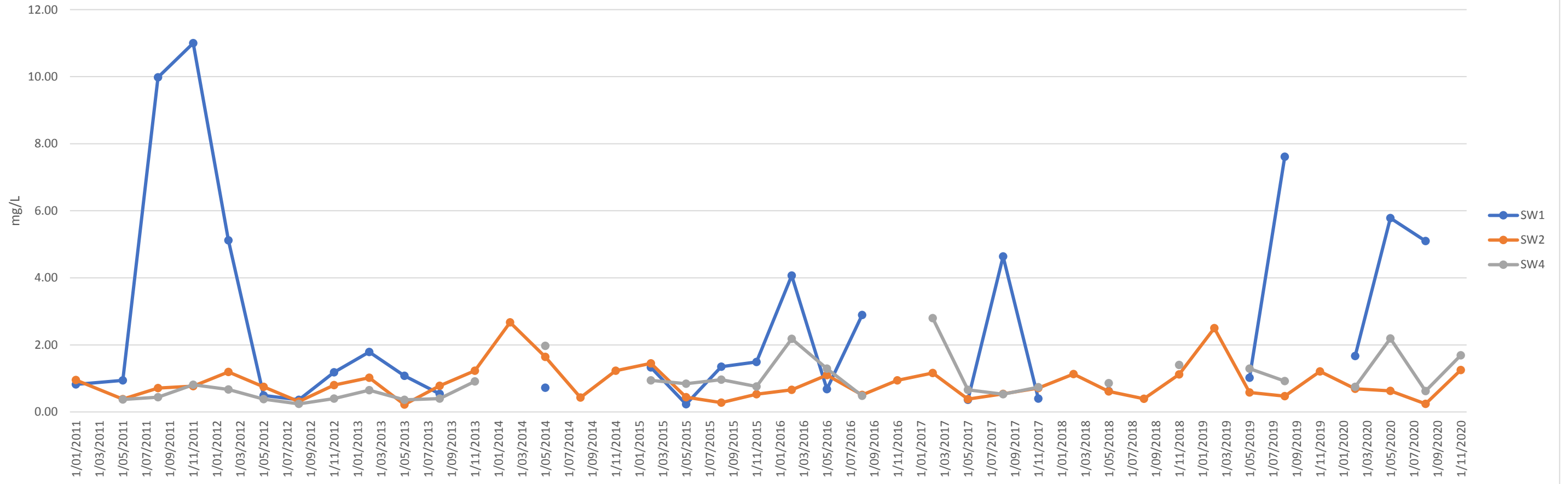
Total Nitrogen	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.33	1.51	2.49	0.25	1.32	2.19	0.72	0.36	1.40	1.09	0.54	0.65	0.53	1.09	0.37	0.57		0.22	0.08
10/05/2011	0.22	1.14	1.90	0.68	1.59	0.81	1.14	0.96	1.07	1.67	0.76	0.58	0.75	1.22	0.53	0.72	0.15	0.17	0.17
9/08/2011	0.17	0.95	2.97	0.46	1.59	1.46	1.17	0.92	2.28	0.77	0.62	0.38	0.43		0.54	0.86	0.13	0.18	0.16
8/11/2011	0.19	0.78	2.80	0.39	1.08	1.31	1.35	0.19	2.81	0.94	0.84	0.23	0.31		0.51	0.16	0.06	0.29	0.18
6/02/2012	0.18	1.24	4.42	0.36	2.21	2.13	0.86	0.33	2.16	0.99	0.72	0.48	1.34	2.14	0.50	0.14	0.11	0.19	0.09
8/05/2012	0.28	0.77	3.20	0.37	1.55	0.44	0.76	0.56	0.17	0.83	0.71	0.26	0.16	1.97	0.51	0.08	0.11	0.27	0.16
6/08/2012	0.10	0.64	1.84	0.43	1.43	0.42	0.63	0.39	0.75	0.60	0.65	0.54	0.50	2.34	0.47	0.23	0.07	0.50	0.12
13/11/2012	0.53	0.85	2.40	0.72	1.44	3.30	1.47	0.92	1.94	3.06	0.75	0.82	0.98		0.48	0.28	0.05	0.55	0.07
13/02/2013	0.63	1.10	2.89	0.32	1.44	3.07	3.08	0.80	1.90	0.44	1.13	0.58	3.18	2.11	0.39	0.15	0.05	0.76	0.05
14/05/2013	0.38	1.85	1.81	0.51	1.39	1.92	1.27	0.59	2.88	0.37	0.73	0.46	2.04	2.10	0.42	0.56	0.09	0.93	0.16
6/08/2013	0.56	1.19	1.54	0.61	1.05	1.04	1.02	0.49	2.71	0.49	0.74	0.42	0.77	1.99	0.49	0.32	0.08	0.76	0.10
12/11/2013	0.60	1.55	2.22	0.74	1.31	1.07	1.72		4.37	0.61	0.95	1.48	1.72		0.51	0.38	0.15	0.58	0.09
11/02/2014	0.74	1.63	1.99	0.94	1.04	0.81	1.34		2.29						0.69	0.52	0.21	0.79	0.27
13/05/2014	1.82	1.22	1.95	1.05	0.93	0.51	0.88		3.43	2.02		4.18			0.58	0.68	0.12	0.57	0.10
12/08/2014	0.55	1.29	1.97	0.87	1.15	0.81	0.56		3.80			1.12	5.49		0.42	0.49	0.05	0.67	0.06
10/11/2014	0.82	1.40	1.97	0.84	1.36	1.31	1.18		4.19	1.10		0.70	3.38		0.42	0.35	0.19	0.70	0.09
9/02/2015	0.47	5.77	46.60	1.06	6.57	1.58	0.92	1.00	2.43	1.01	1.35	1.52	4.98	2.26	0.37	0.26	0.23	0.75	0.80
11/05/2015	0.36	1.30	9.32	1.27	1.93	1.23	0.79	0.74	1.71	0.96	1.20	0.48	2.31	1.72	0.40	0.07	0.08	0.74	0.08
11/08/2015	0.15	1.07	6.61	1.21	1.42	1.07	0.85	1.09	1.64	1.28	0.79	0.37	1.35		0.45	0.13	0.07	1.05	0.18
10/11/2015	0.78	1.24	2.80	1.75	1.25	1.17	1.18	0.60	2.00	0.87	1.63	6.43	5.17	1.70	0.44	0.15	0.05	0.85	0.09
8/02/2016	0.49	1.20	6.90	1.29	1.41	1.79	1.63	0.64	2.18	1.03	1.71	1.45	4.44	1.48	0.54	0.09	0.07	0.77	0.09
9/05/2016	0.34	1.03	14.99	1.13	1.62	1.12	0.72	0.83	2.88	0.36	0.82	0.58	4.05		0.52	0.31	0.08	0.79	0.06
9/08/2016	0.15	0.79	5.99	0.70	0.67	1.46	0.88	0.47	1.49	0.82	1.57	0.44	4.27	2.38	0.57	0.26	0.11	0.68	0.09
7/11/2016	0.11	0.99	2.26	0.74	1.00	1.56	1.20	0.48		1.14	0.99	0.39	0.80		0.45	0.27	0.05	0.55	0.07
7/02/2017	0.35	1.01	3.40	1.04	1.14	1.47	1.13	0.37	3.12	1.36		0.78	3.06	1.54	0.44	0.17	0.34	0.46	0.08
8/05/2017	0.53	0.92	4.32	4.12	2.47	1.05	0.70	0.68		0.65	3.59	0.66	2.29	1.44	0.38	0.12	0.08	0.49	0.09
8/08/2017	0.22	0.65	2.38	1.87	1.31	0.71	0.94	0.96	2.78	0.60	1.24	0.56	1.39	1.78	0.49	0.25	0.10	0.42	0.08
7/11/2017	1.31		3.43	1.13	1.46	1.45	2.09	0.57	2.44	1.40	1.01	1.07	2.68	1.25	0.70	0.09	0.27	0.51	0.13
14/02/2018	0.45		2.46	1.13	2.22	0.38	0.67	0.42		2.07	2.68	0.64	1.71	1.24	0.88	0.17	0.05	0.46	0.10
9/05/2018	0.77		2.34	1.12	1.96	0.61	0.28	0.05		1.20	1.38	0.39	5.47	1.76	0.76	0.53	0.05	0.33	0.11
15/08/2018	0.49		0.79	1.02	2.92	0.99	0.49	0.62		1.86		0.43	2.15	1.81	0.96	0.47	0.07	0.39	0.21
14/11/2018	0.25		2.00	1.07	2.11	0.48	0.56	0.50	1.53	0.83	1.75	0.53	2.44	1.61	0.66	0.31	0.11	0.54	0.19
13/02/2019	1.16		2.82	1.10	1.74	0.88	1.15		2.82				3.20		0.74	0.28	0.05	0.46	0.09
15/05/2019	0.84		5.29	1.05	1.94	1.13	0.42	0.50	1.74	1.57		0.62	2.28	1.37	0.99	0.22	0.17	0.62	0.12
14/08/2019	0.32		2.36	1.05	1.90	2.01	0.80	0.31		1.43		0.62	1.18	2.07	0.87	0.25	0.12	0.48	0.06
13/11/2019	0.84		1.96	1.27	2.30	1.52	0.90								0.86	0.37	0.10	0.38	0.19
25/02/2020	0.47		12.10	0.96	3.57	1.98	1.13	0.73	2.13	3.18	0.51	1.20	1.89	1.76	0.49	0.30	0.10	0.48	0.11
12/05/2020	0.44		8.02	1.06	1.31	0.86	0.70	0.89	5.44	0.94	0.64	0.44	1.10	2.11	0.52	0.26	0.21	0.45	0.09
11/08/2020	0.12		3.00	0.70	3.88	1.82	0.83	0.81	4.90	0.63	0.90	0.41	0.76	2.15	0.58	0.16	0.05	0.45	0.12
10/11/2020	0.17		2.72	1.83	2.03	0.49	0.75	0.44	1.94	2.46	1.37		0.89	1.86	0.66	0.24	0.15	0.63	0.15

Total Nitrogen	SW1	SW2	SW4
31/01/2011	0.82	0.95	
10/05/2011	0.94	0.38	0.37
9/08/2011	9.98	0.71	0.44
8/11/2011	11.00	0.77	0.81
6/02/2012	5.12	1.19	0.67
8/05/2012	0.49	0.75	0.38
6/08/2012	0.36	0.31	0.24
13/11/2012	1.18	0.80	0.40
13/02/2013	1.79	1.02	0.65
14/05/2013	1.08	0.22	0.36
6/08/2013	0.54	0.78	0.40
12/11/2013		1.23	0.91
11/02/2014		2.67	
13/05/2014	0.72	1.64	1.97
12/08/2014		0.43	
10/11/2014		1.23	
9/02/2015	1.33	1.45	0.94
11/05/2015	0.23	0.44	0.84
11/08/2015	1.35	0.28	0.96
10/11/2015	1.49	0.53	0.76
8/02/2016	4.07	0.66	2.18
9/05/2016	0.68	1.10	1.29
9/08/2016	2.89	0.51	0.48
7/11/2016		0.94	
7/02/2017		1.16	2.80
8/05/2017	0.36	0.38	0.66
8/08/2017	4.64	0.54	0.53
7/11/2017	0.40	0.71	0.74
14/02/2018		1.13	
9/05/2018	0.62	0.61	0.86
15/08/2018		0.39	
14/11/2018		1.12	1.40
10/02/2019		2.50	
15/05/2019	1.02	0.58	1.29
14/08/2019	7.61	0.47	0.92
12/11/2019		1.21	
25/02/2020	1.67	0.69	0.75
12/05/2020	5.78	0.63	2.19
11/08/2020	5.10	0.24	0.62
10/11/2020		1.25	1.69

Total Nitrogen (mg/L)

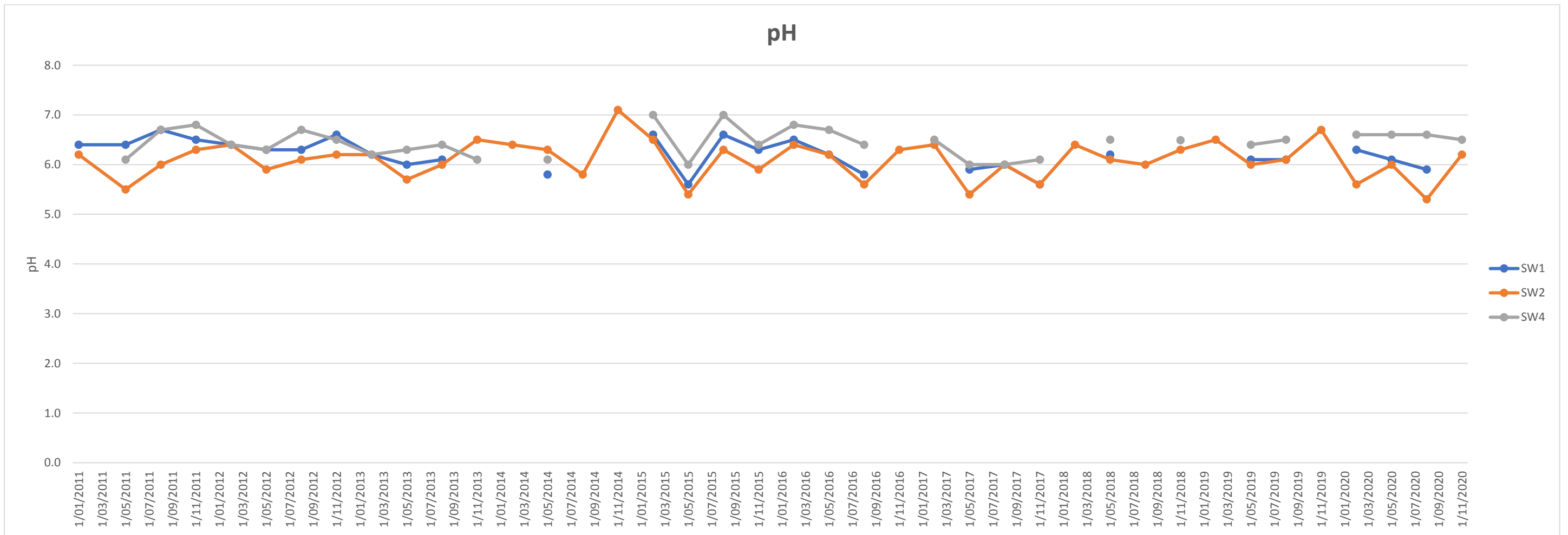
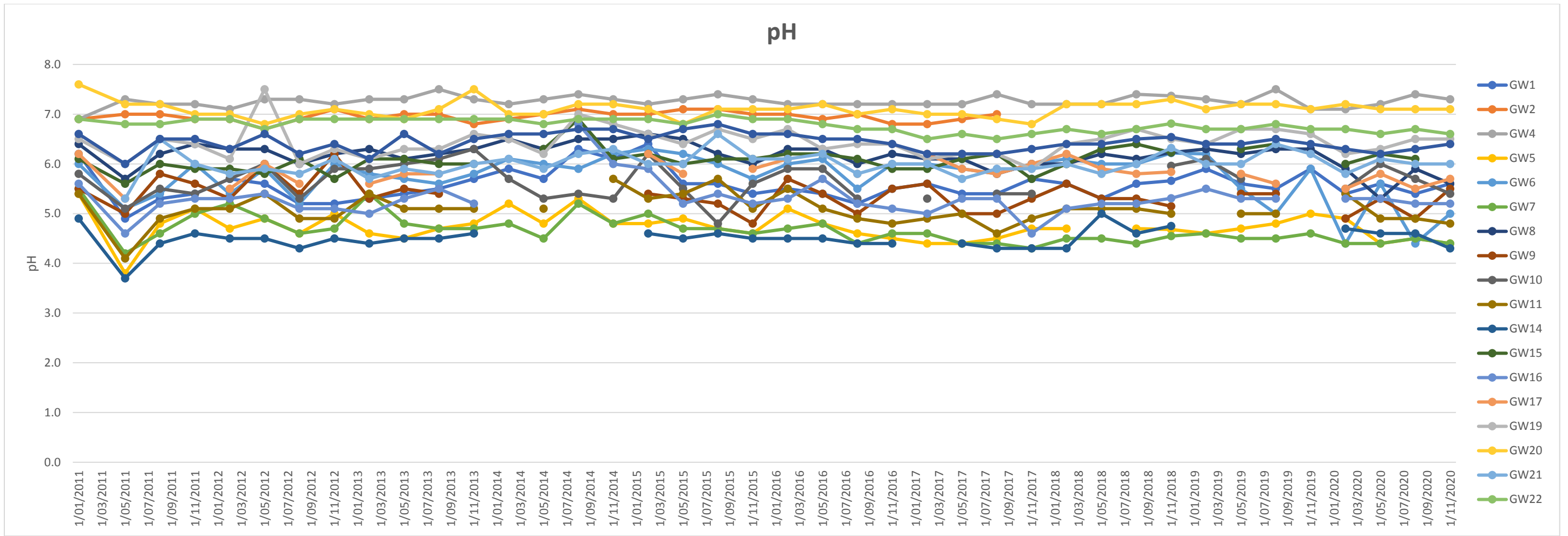


Total Nitrogen (mg/L)



pH	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	6.2	6.9	6.9	5.4	6.0	5.5	6.4	5.5	5.8	5.4	4.9	6.1	5.6	6.2	6.5	7.6		6.9	6.6
10/05/2011	4.9	7.0	7.3	3.8	5.1	4.2	5.7	5.0	5.1	4.1	3.7	5.6	4.6	5.3	6.0	7.2	5.3	6.8	6.0
9/08/2011	5.3	7.0	7.2	4.8	5.4	4.6	6.2	5.8	5.5	4.9	4.4	6.0	5.2		6.5	7.2	6.5	6.8	6.5
8/11/2011	5.4	6.9	7.2	5.1	6.0	5.0	6.4	5.6	5.4	5.1	4.6	5.9	5.3		6.4	7.0	6.0	6.9	6.5
6/02/2012	5.7	6.9	7.1	4.7	5.4	5.2	6.3	5.3	5.7	5.1	4.5	5.9	5.3	5.5	6.1	7.0	5.8	6.9	6.3
8/05/2012	5.6	6.7	7.3	4.9	5.9	4.9	6.3	6.0	6.0	5.4	4.5	5.8	5.4	6.0	7.5	6.8	5.9	6.7	6.6
6/08/2012	5.2	6.9	7.3	4.6	5.2	4.6	6.0	5.4	5.3	4.9	4.3	6.1	5.1	5.6	6.0	7.0	5.8	6.9	6.2
13/11/2012	5.2	7.1	7.2	5.0	6.0	4.7	6.2	6.2	5.9	4.9	4.5	5.7	5.1		6.3	7.1	6.1	6.9	6.4
13/02/2013	5.3	6.9	7.3	4.6	5.8	5.4	6.3	5.3	5.9	5.4	4.4	6.1	5.0	5.6	6.1	7.0	5.7	6.9	6.1
14/05/2013	5.4	7.0	7.3	4.5	5.7	4.8	6.1	5.5	6.0	5.1	4.5	6.1	5.3	5.8	6.3	6.9	5.9	6.9	6.6
6/08/2013	5.5	7.0	7.5	4.7	5.6	4.7	6.2	5.4	6.1	5.1	4.5	6.0	5.5	5.8	6.3	7.1	5.8	6.9	6.2
12/11/2013	5.7	6.8	7.3	4.8	5.8	4.7	6.3		6.3	5.1	4.6	6.0	5.2		6.6	7.5	6.0	6.9	6.5
11/02/2014	5.9	6.9	7.2	5.2	6.1	4.8	6.5		5.7						6.5	7.0	6.1	6.9	6.6
13/05/2014	5.7	7.0	7.3	4.8	6.0	4.5	6.3		5.3	5.1		6.3			6.2	7.0	5.9	6.8	6.6
12/08/2014	6.3	7.1	7.4	5.3	5.9	5.2	6.5		5.4			6.9	6.8		7.0	7.2	6.2	6.9	6.7
10/11/2014	6.1	7.0	7.3	4.8	6.2	4.8	6.5		5.3	5.7		6.1	6.0		6.8	7.2	6.3	6.9	6.7
9/02/2015	6.4	7.0	7.2	4.8	6.3	5.0	6.6	5.4	6.2	5.3	4.6	6.2	5.9	6.2	6.6	7.1	6.0	6.9	6.5
11/05/2015	5.6	7.1	7.3	4.9	6.2	4.7	6.5	5.3	5.5	5.4	4.5	6.0	5.2	5.8	6.4	6.8	6.0	6.8	6.7
11/08/2015	5.6	7.1	7.4	4.7	6.0	4.7	6.2	5.2	4.8	5.7	4.6	6.1	5.4		6.7	7.1	6.6	7.0	6.8
10/11/2015	5.4	7.0	7.3	4.6	5.7	4.6	6.0	4.8	5.6	5.1	4.5	6.1	5.2	5.9	6.5	7.1	6.1	6.9	6.6
8/02/2016	5.5	7.0	7.2	5.1	6.0	4.7	6.3	5.7	5.9	5.5	4.5	6.2	5.3	6.1	6.7	7.1	6.1	6.9	6.6
9/05/2016	5.4	6.9	7.2	4.8	6.1	4.8	6.3	5.4	5.9	5.1	4.5	6.2	5.7		6.3	7.2	6.2	6.8	6.5
9/08/2016	5.2	7.0	7.2	4.6	5.5	4.4	6.0	5.0	5.3	4.9	4.4	6.1	5.2	5.8	6.4	7.0	5.8	6.7	6.5
7/11/2016	5.5	6.8	7.2	4.5	6.0	4.6	6.2	5.5		4.8	4.4	5.9	5.1		6.4	7.1	6.0	6.7	6.4
7/02/2017	5.6	6.8	7.2	4.4	6.0	4.6	6.1	5.6	5.3	4.9		5.9	5.0	6.2	6.1	7.0	6.0	6.5	6.2
8/05/2017	5.4	6.9	7.2	4.4	5.9	4.4	6.1	5.0		5.0	4.4	6.1	5.3	5.9	6.2	7.0	5.7	6.6	6.2
8/08/2017	5.4	7.0	7.4	4.5	5.8	4.4	5.8	5.0	5.4	4.6	4.3	6.2	5.3	5.8	6.2	6.9	5.9	6.5	6.2
7/11/2017	5.7		7.2	4.7	6.0	4.3	6.0	5.3	5.4	4.9	4.3	5.7	4.6	6.0	5.9	6.8	5.9	6.6	6.3
14/02/2018	5.6		7.2	4.7	6.1	4.5	6.0	5.6		5.1	4.3	6.0	5.1	6.2	6.4	7.2	6.0	6.7	6.4
9/05/2018	5.3		7.2		6.0	4.5	6.2	5.3		5.1	5.0	6.3	5.2	5.9	6.5	7.2	5.8	6.6	6.4
15/08/2018	5.6		7.4	4.7	6.0	4.4	6.1	5.3		5.1	4.6	6.4	5.2	5.8	6.7	7.2	6.0	6.7	6.5
14/11/2018	5.7		7.4	4.7	6.2	4.6	6.2	5.2	6.0	5.0	4.8	6.2	5.3	5.8	6.5	7.3	6.3	6.8	6.5
13/02/2019	5.9		7.3	4.6	6.2	4.6	6.3		6.1				5.5		6.4	7.1	6.0	6.7	6.4
15/05/2019	5.6		7.2	4.7	5.5	4.5	6.2	5.4	5.7	5.0		6.3	5.3	5.8	6.7	7.2	6.0	6.7	6.4
14/08/2019	5.5		7.5	4.8	5.0	4.5	6.3	5.4		5.0		6.4	5.3	5.6	6.7	7.2	6.4	6.8	6.5
13/11/2019	5.9		7.1	5.0	5.9	4.6	6.3								6.6	7.1	6.2	6.7	6.4
25/02/2020	5.4		7.1	4.9	4.4	4.4	5.9	4.9	5.5	5.4	4.7	6.0	5.3	5.5	6.2	7.2	5.8	6.7	6.3
12/05/2020	5.6		7.2	4.4	5.6	4.4	5.3	5.3	6.0	4.9	4.6	6.2	5.3	5.8	6.3	7.1	6.1	6.6	6.2
11/08/2020	5.4		7.4	4.5	4.4	4.5	5.9	4.9	5.7	4.9	4.6	6.1	5.2	5.5	6.5	7.1	6.0	6.7	6.3
10/11/2020	5.6		7.3	4.4	5.0	4.4	5.6	5.5	5.4	4.8	4.3		5.2	5.7	6.5	7.1	6.0	6.6	6.4

pH	SW1	SW2	SW4
31/01/2011	6.4	6.2	
10/05/2011	6.4	5.5	6.1
9/08/2011	6.7	6.0	6.7
8/11/2011	6.5	6.3	6.8
6/02/2012	6.4	6.4	6.4
8/05/2012	6.3	5.9	6.3
6/08/2012	6.3	6.1	6.7
13/11/2012	6.6	6.2	6.5
13/02/2013	6.2	6.2	6.2
14/05/2013	6.0	5.7	6.3
6/08/2013	6.1	6.0	6.4
12/11/2013		6.5	6.1
11/02/2014		6.4	
13/05/2014	5.8	6.3	6.1
12/08/2014		5.8	
10/11/2014		7.1	
9/02/2015	6.6	6.5	7.0
11/05/2015	5.6	5.4	6.0
11/08/2015	6.6	6.3	7.0
10/11/2015	6.3	5.9	6.4
8/02/2016	6.5	6.4	6.8
9/05/2016	6.2	6.2	6.7
9/08/2016	5.8	5.6	6.4
7/11/2016		6.3	
7/02/2017		6.4	6.5
8/05/2017	5.9	5.4	6.0
8/08/2017	6.0	6.0	6.0
7/11/2017	5.6	5.6	6.1
14/02/2018		6.4	
9/05/2018	6.2	6.1	6.5
15/08/2018		6.0	
14/11/2018		6.3	6.5
10/02/2019		6.5	
15/05/2019	6.1	6.0	6.4
14/08/2019	6.1	6.1	6.5
12/11/2019		6.7	
25/02/2020	6.3	5.6	6.6
12/05/2020	6.1	6.0	6.6
11/08/2020	5.9	5.3	6.6
10/11/2020		6.2	6.5



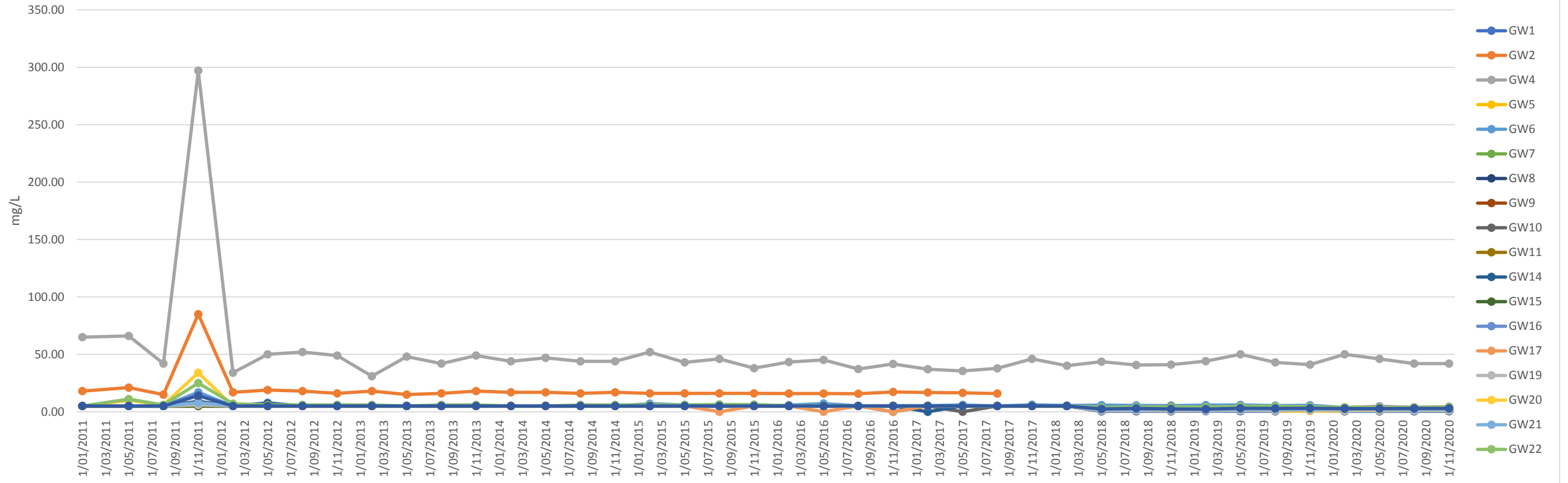
Phosphorus	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.100	0.520	6.260	0.230	0.300	0.490	0.190	0.230	0.240	0.080	0.180	0.070	0.130	0.760	0.070	0.050		0.050	0.050
10/05/2011	0.050	0.420	4.750	0.260	0.360	0.220	0.260	0.190	0.170	0.110	0.200	0.140	0.120	0.280	0.060	0.050	0.050	0.050	0.060
9/08/2011	0.060	0.650	5.530	0.160	0.450	0.290	0.320	0.190	0.180	0.050	0.050	0.080	0.140		0.060	0.050	0.060	0.050	0.050
8/11/2011	0.100	0.840	6.880	0.200	0.520	0.330	0.460	0.120	0.280	0.190	0.280	0.220	0.120		0.060	0.030	0.120	0.040	0.050
6/02/2012	0.600	0.600	2.940	0.100	0.310	0.420	0.200	0.110	0.430	0.510	0.550	0.050	0.220	0.350	0.050	0.030	0.080	0.030	0.040
8/05/2012	0.110	0.330	5.750	0.120	0.420	0.160	0.210	0.070	0.130	0.040	0.050	0.180	0.080	0.070	0.070	0.020	0.160	0.040	0.050
6/08/2012	0.050	0.500	4.730	0.060	0.390	0.150	0.260	0.180	0.150	0.080	0.050	0.020	0.060	0.440	0.060	0.020	0.150	0.060	0.050
13/11/2012	0.820	0.360	5.470	0.700	0.490	0.190	0.320	0.360	0.520	0.120	0.290	0.280	0.160		0.070	0.030	0.030	0.060	0.030
13/02/2013	0.200	0.590	2.380	0.100	0.100	0.360	0.360	0.100	0.340	0.060	0.190	0.040	0.100	0.200	0.060	0.020	0.020	0.030	0.040
14/05/2013	0.200	1.000	6.020	0.080	0.390	0.360	0.230	0.040	0.340	0.040	0.060	0.030	0.040	0.100	0.060	0.050	0.040	0.070	0.040
6/08/2013	0.500	0.950	4.660	0.530	0.380	0.310	0.230	0.160	0.440	0.110	0.270	0.070	0.160	0.160	0.060	0.030	0.040	0.070	0.080
12/11/2013	0.190	0.820	5.510	0.350	0.790	0.250	0.320		0.770	0.080	0.090	0.080	0.120		0.070	0.050	0.050	0.050	0.030
11/02/2014	0.160	0.040	1.940	0.570	0.170	0.470	0.120		0.410						0.060	0.020	0.020	0.020	0.030
13/05/2014	0.370	0.090	5.880	0.190	0.290	0.240	0.190		0.670	0.290		0.170			0.070	0.090	0.060	0.020	0.030
12/08/2014	0.280	0.590	5.400	0.400	0.540	0.120	0.190		0.490			0.130	0.220		0.060	0.070	0.030	0.030	0.030
10/11/2014	0.200	0.740	5.250	0.150	0.400	0.210	0.150		0.290	0.120		0.050	0.160		0.050	0.050	0.030	0.040	0.030
9/02/2015	0.070	0.670	15.000	0.090	0.720	0.140	0.150	0.100	0.340	0.120	0.100	0.090	0.150	0.780	0.090	0.030	0.090	0.030	0.080
11/05/2015	0.090	0.580	8.960	0.090	0.650	0.230	0.160	0.070	0.210	0.290	0.120	0.080	0.180	0.390	0.080	0.030	0.190	0.080	0.070
11/08/2015	0.030	0.710	5.750	0.200	0.670	0.180	0.120	0.080	0.240	0.140	0.060	0.030	0.140		0.070	0.050	0.070	0.050	0.080
10/11/2015	0.150	0.710	7.030	0.110	0.560	0.120	0.130	0.050	0.370	0.110	0.050	0.430	0.050	0.420	0.080	0.040	0.030	0.040	0.080
8/02/2016	0.250	0.710	5.960	0.190	0.740	0.250	0.260	0.240	0.300	0.140	0.130	0.260	0.170	0.700	0.080	0.030	0.040	0.100	0.080
9/05/2016	0.160	0.630	6.540	0.380	0.840	0.220	0.170	0.080	0.440	0.070	0.080	0.150	0.570		0.090	0.060	0.050	0.080	0.070
9/08/2016	0.040	0.150	4.090	0.140	0.530	0.220	0.150	0.030	0.310	0.120	0.120	0.070	0.180	0.580	0.090	0.050	0.060	0.040	0.050
7/11/2016	0.060	0.860	6.700	0.170	0.890	0.290	0.190	0.080		0.210	0.140	0.050	0.060		0.080	0.040	0.030	0.030	0.040
7/02/2017	0.110	0.530	5.180	0.360	0.300	0.300	0.180	0.060	0.570	0.200		0.060	0.250	0.310	0.080	0.030	0.060	0.020	0.060
8/05/2017	0.110	0.380	3.900	0.220	0.350	0.280	0.150	0.040		0.090	0.110	0.060	0.090	0.300	0.060	0.040	0.050	0.020	0.060
8/08/2017	0.040	0.050	5.560	0.310	0.360	0.150	0.160	0.050	0.470	0.120	0.170	0.070	0.180	0.420	0.100	0.040	0.040	0.020	0.050
7/11/2017	0.310		4.650	0.290	0.630	0.330	0.110	0.050	0.230	0.080	0.140	0.050	0.070	0.320	0.110	0.030	0.070	0.060	0.040
14/02/2018	0.120		6.070	0.270	0.420	0.070	0.120	0.050		0.330	0.270	0.060	0.110	0.280	0.120	0.040	0.020	0.030	0.050
9/05/2018	0.160		5.940		0.720	0.120	0.020	0.020		0.090	0.130	0.060	0.070	0.390	0.130	0.080	0.030	0.030	0.120
15/08/2018	0.130		2.730	0.280	0.670	0.200	0.140	0.100		0.280		0.070	0.080	0.480	0.170	0.080	0.040	0.040	0.070
14/11/2018	0.060		5.250	0.330	0.660	0.110	0.140	0.020	0.190	0.140	0.250	0.060	0.150	0.530	0.110	0.050	0.050	0.050	0.090
13/02/2019	0.230		6.270	0.410	0.250	0.180	0.240		0.310				0.380		0.110	0.060	0.030	0.040	0.100
15/05/2019	0.170		6.510	0.510	0.490	0.510	0.320	0.130	0.510	0.430		0.110	0.140	0.550	0.150	0.050	0.030	0.040	0.040
14/08/2019	0.070		5.760	0.370	0.640	0.250	0.270	0.050		0.210		0.180	0.200	0.500	0.150	0.050	0.050	0.040	0.030
13/11/2019	0.380		5.970	0.460	0.520	0.210	0.150								0.130	0.060	0.030	0.040	0.060
25/02/2020	0.060		6.680	0.060	0.350	0.390	0.150	0.100	0.470	0.090	0.140	0.110	0.150	0.190	0.080	0.060	0.030	0.040	0.050
12/05/2020	0.060		6.660	0.130	0.190	0.150	0.140	0.060	0.240	0.120	0.110	0.060	0.090	0.300	0.090	0.040	0.100	0.030	0.050
11/08/2020	0.030		7.000	0.080	0.330	0.160	0.150	0.120	0.610	0.080	0.070	0.040	0.090	0.220	0.080	0.040	0.030	0.050	0.030
10/11/2020	0.080		7.050	0.480	0.510	0.100	0.170	0.100	0.580	0.120	0.130		0.110	0.720	0.110	0.050	0.080	0.040	0.070

Phosphorus	SW1	SW2	SW4
31/01/2011	0.070	0.080	
10/05/2011	0.100	0.050	0.050
9/08/2011	0.580	0.070	0.050
8/11/2011	0.800	0.070	0.080
6/02/2012	0.170	0.460	0.060
8/05/2012	0.070	0.070	0.040
6/08/2012	0.020	0.020	0.020
13/11/2012	0.150	0.050	0.060
13/02/2013	0.180	0.060	0.060
14/05/2013	0.180	0.030	0.030
6/08/2013	0.100	0.070	0.050
12/11/2013		0.140	0.030
11/02/2014		0.160	
13/05/2014	0.100	0.170	0.170
12/08/2014		0.050	
10/11/2014		0.150	
9/02/2015	0.060	0.050	0.100
11/05/2015	0.040	0.060	0.110
11/08/2015	0.340	0.030	0.110
10/11/2015	0.230	0.040	0.130
8/02/2016	0.720	0.070	0.310
9/05/2016	0.140	0.140	0.160
9/08/2016	0.550	0.070	0.080
7/11/2016		0.100	
7/02/2017		0.100	0.490
8/05/2017	0.040	0.030	0.070
8/08/2017	0.910	0.060	0.080
7/11/2017	0.050	0.080	0.150
14/02/2018		0.130	
9/05/2018	0.110	0.040	0.110
15/08/2018		0.060	
14/11/2018		0.090	0.230
10/02/2019		6.500	
15/05/2019	6.100	6.000	6.400
14/08/2019	6.100	6.100	6.500
12/11/2019		6.700	
25/02/2020	0.230	0.080	0.120
12/05/2020	0.650	0.050	0.150
11/08/2020	0.530	0.020	0.060
10/11/2020		0.110	0.300

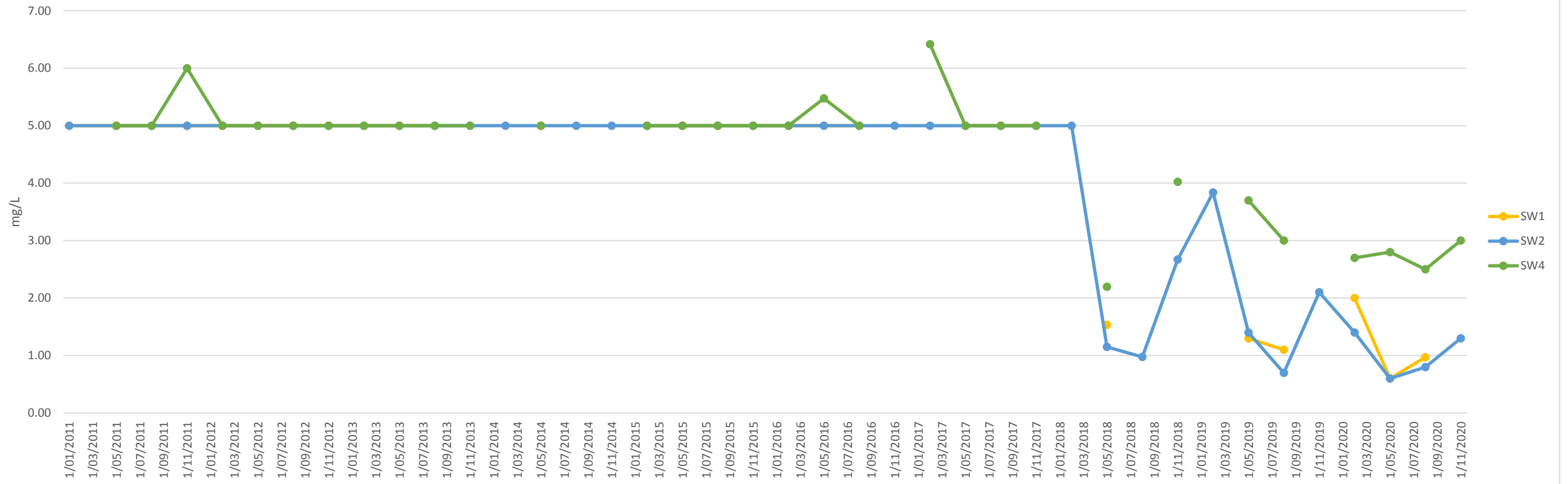
K	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	5.00	18.00	65.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		5.00	5.00
10/05/2011	5.00	21.00	66.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	10.00	5.00	11.00	5.00
9/08/2011	5.00	15.00	42.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		5.00	6.00	5.00	6.00	5.00
8/11/2011	5.00	85.00	297.00	5.00	17.00	7.00	9.00	7.00	7.00	5.00	8.00	5.00	15.00		6.00	34.00	8.00	25.00	14.00
6/02/2012	5.00	17.00	34.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	7.00	5.00
8/05/2012	5.00	19.00	50.00	5.00	8.00	5.00	7.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.00	5.00
6/08/2012	5.00	18.00	52.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.00	5.00
13/11/2012	5.00	16.00	49.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		5.00	5.00	5.00	6.00	5.00
13/02/2013	5.00	18.00	31.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.00	5.00
14/05/2013	5.00	15.00	48.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
6/08/2013	5.00	16.00	42.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.00	5.00
12/11/2013	5.00	18.00	49.00	5.00	5.00	5.00	5.00		5.00	5.00	5.00	5.00	5.00		5.00	5.00	5.00	6.00	5.00
11/02/2014	5.00	17.00	44.00	5.00	5.00	5.00	5.00		5.00						5.00	5.00	5.00	5.00	5.00
13/05/2014	5.00	17.00	47.00	5.00	5.00	5.00	5.00		5.00	5.00		5.00			5.00	5.00	5.00	5.00	5.00
12/08/2014	5.00	16.00	44.00	5.00	5.00	5.00	5.00		5.00			5.00	5.00		5.00	5.00	5.00	6.00	5.00
10/11/2014	5.00	17.00	44.00	5.00	5.00	5.00	5.00		5.00	5.00		5.00	5.00		5.00	5.00	5.00	6.00	5.00
9/02/2015	5.00	16.00	52.00	5.00	7.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.00	5.00
11/05/2015	5.00	16.00	43.00	5.00	6.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.00	5.00
11/08/2015	5.00	16.00	46.00	5.00	5.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	NT	5.00	5.00	5.00	6.40	5.00
10/11/2015	5.00	16.00	38.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	6.30	5.00
8/02/2016	5.00	15.96	43.26	5.00	5.79	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.38	5.00
9/05/2016	5.00	15.89	45.09	5.00	7.24	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	NT	5.00	5.00	5.00	5.30	5.00
9/08/2016	5.00	15.66	37.23	5.00	5.26	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.16	5.00
7/11/2016	5.00	17.29	41.69	5.00	5.42	5.00	5.00	5.00	NT	5.00	5.00	5.00	5.00	NT	5.00	5.00	5.00	5.00	5.00
7/02/2017	5.00	16.85	37.10	5.00	5.36	5.00	5.00	5.00	5.00	5.00	NT	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
8/05/2017	5.00	16.51	35.50	5.00	5.92	5.00	5.00	5.00	NT	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
8/08/2017	5.00	15.82	37.83	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
7/11/2017	5.00		46.02	5.00	6.19	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.02	5.00	5.00	5.00	5.00	5.00
14/02/2018	5.00		40.10	5.00	5.52	5.00	5.00	5.00		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
9/05/2018	0.55		43.59		5.74	1.86	2.21	2.67		0.50	0.53	1.58	0.50	3.43	1.07	2.21	2.15	3.86	2.44
15/08/2018	0.52		40.73	0.52	5.57	1.77	2.17	2.27		0.50		1.62	0.50	3.58	1.25	2.35	2.14	4.16	2.94
14/11/2018	0.50		41.09	0.54	5.35	1.82	2.22	4.41	1.44	0.50	0.53	1.57	0.50	3.75	1.02	2.04	2.09	4.17	2.51
13/02/2019	0.91		44.15	0.57	5.77	1.96	2.36		1.47				0.50		1.19	2.11	1.99	4.18	2.35
15/05/2019	0.70		50.00	0.60	5.90	2.00	2.30	2.10	1.40	0.60		1.90	0.50	4.50	1.40	2.00	2.20	4.70	3.00
14/08/2019	0.50		43.00	0.50	5.40	1.70	2.10	2.10		0.50		1.60	0.50	3.30	1.10	2.10	2.10	4.70	2.90
13/11/2019	1.10		41.00	0.60	5.60	2.10	2.10								1.20	2.00	2.10	4.40	3.00
25/02/2020	0.50		50.00	0.50	3.70	1.80	2.40	3.30	1.60	1.10	0.50	2.20	0.50	3.80	1.00	1.80	2.20	3.90	2.70
12/05/2020	0.50		46.00	0.50	4.80	1.70	2.30	2.30	3.50	0.50	0.50	1.90	0.50	4.20	0.97	1.80	2.10	3.70	2.80
11/08/2020	0.50		42.00	0.50	3.80	1.50	2.30	3.10	1.80	0.50	0.50	2.00	0.50	3.90	1.10	1.80	2.00	3.80	2.90
10/11/2020	0.70		42.00	0.50	4.50	1.80	2.40	1.60	1.40	0.50	0.60		0.50	4.10	1.20	1.80	2.10	4.00	2.90

K	SW1	SW2	SW4
31/01/2011	5.00	5.00	
10/05/2011	5.00	5.00	5.00
9/08/2011	5.00	5.00	5.00
8/11/2011	5.00	5.00	6.00
6/02/2012	5.00	5.00	5.00
8/05/2012	5.00	5.00	5.00
6/08/2012	5.00	5.00	5.00
13/11/2012	5.00	5.00	5.00
13/02/2013	5.00	5.00	5.00
14/05/2013	5.00	5.00	5.00
6/08/2013	5.00	5.00	5.00
12/11/2013		5.00	5.00
11/02/2014		5.00	
13/05/2014	5.00	5.00	5.00
12/08/2014		5.00	
10/11/2014		5.00	
9/02/2015	5.00	5.00	5.00
11/05/2015	5.00	5.00	5.00
11/08/2015	5.00	5.00	5.00
10/11/2015	5.00	5.00	5.00
8/02/2016	5.00	5.00	5.00
9/05/2016	5.00	5.00	5.48
9/08/2016	5.00	5.00	5.00
7/11/2016		5.00	
7/02/2017		5.00	6.42
8/05/2017	5.00	5.00	5.00
8/08/2017	5.00	5.00	5.00
7/11/2017	5.00	5.00	5.00
14/02/2018		5.00	
9/05/2018	1.53	1.15	2.20
15/08/2018		0.98	
14/11/2018		2.67	4.02
10/02/2019		3.84	
15/05/2019	1.30	1.40	3.70
14/08/2019	1.10	0.70	3.00
12/11/2019		2.10	
25/02/2020	2.00	1.40	2.70
12/05/2020	0.60	0.60	2.80
11/08/2020	0.97	0.80	2.50
10/11/2020		1.30	3.00

Total Potassium (mg/L)



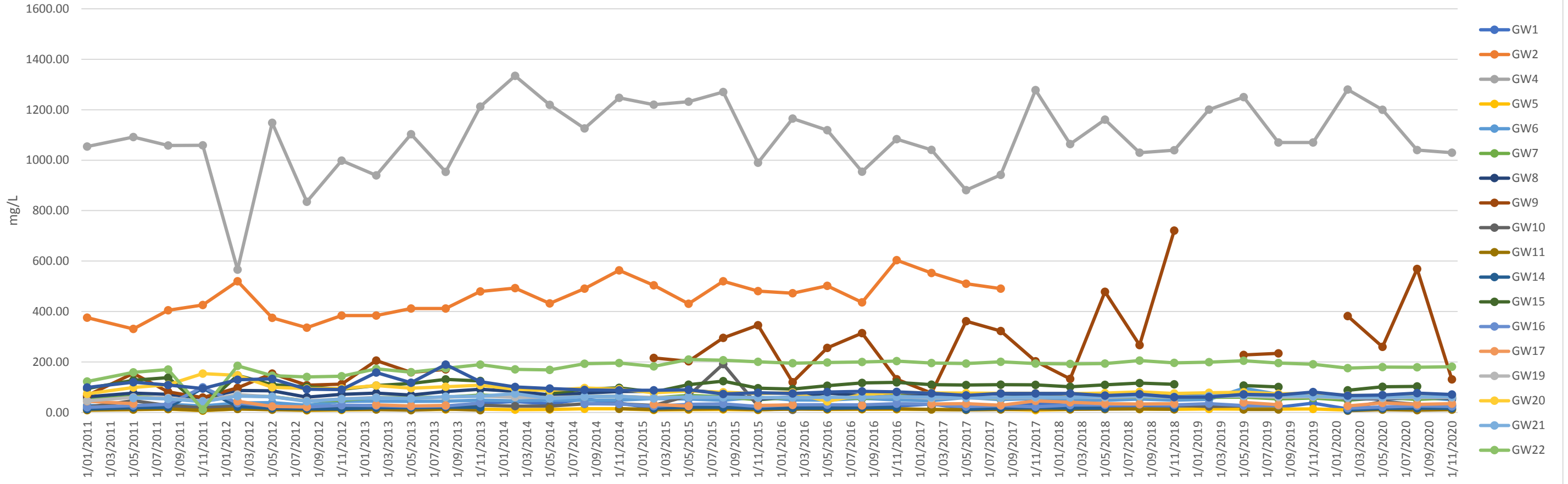
Total Potassium (mg/L)



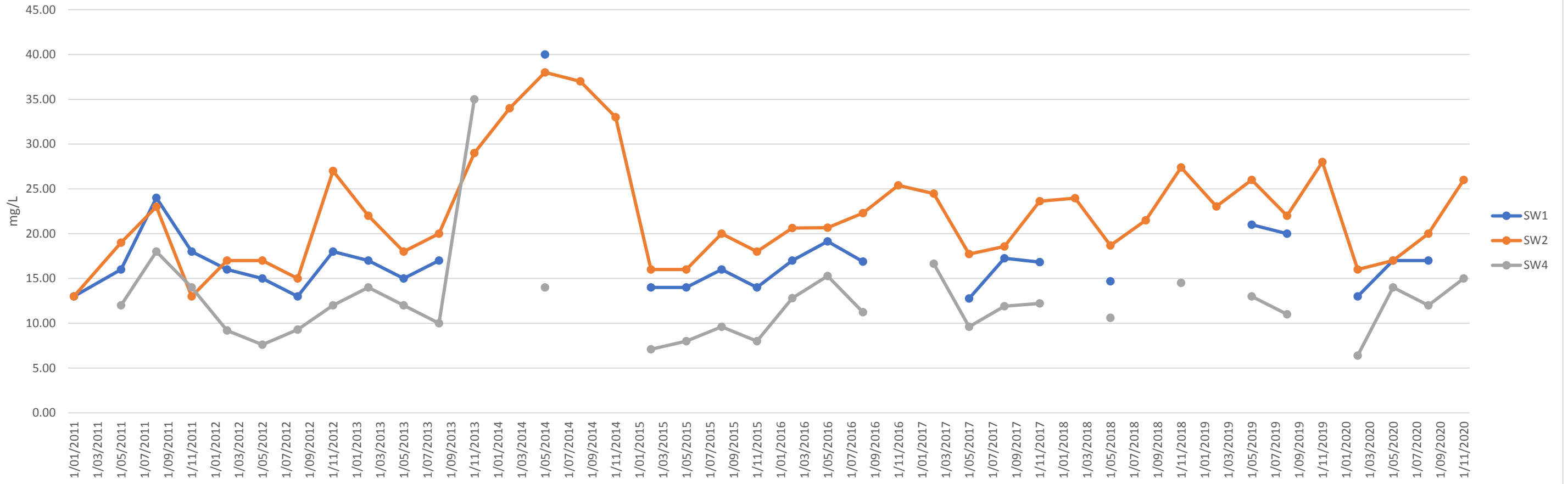
Na	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	16.00	376.00	1054.00	9.40	29.00	51.00	62.00	67.00	21.00	9.60	13.00	95.00	20.00	45.00	46.00	74.00		123.00	99.00
10/05/2011	15.00	331.00	1092.00	11.00	20.00	64.00	77.00	155.00	47.00	12.00	19.00	128.00	27.00	35.00	60.00	99.00	57.00	159.00	120.00
9/08/2011	21.00	405.00	1058.00	13.00	33.00	55.00	72.00	82.00	27.00	14.00	20.00	138.00	32.00		57.00	110.00	54.00	170.00	109.00
8/11/2011	13.00	426.00	1059.00	7.30	26.00	44.00	57.00	59.00	19.00	8.60	96.00	22.00	100.00		45.00	154.00	43.00	12.00	95.00
6/02/2012	30.00	520.00	566.00	14.00	38.00	66.00	87.00	98.00	25.00	14.00	23.00	147.00	37.00	45.00	71.00	147.00	65.00	185.00	130.00
8/05/2012	19.00	375.00	1148.00	11.00	39.00	63.00	86.00	154.00	23.00	11.00	17.00	110.00	25.00	24.00	62.00	100.00	62.00	146.00	133.00
6/08/2012	14.00	336.00	835.00	8.70	29.00	46.00	61.00	108.00	20.00	9.60	15.00	102.00	22.00	22.00	46.00	95.00	44.00	141.00	92.00
13/11/2012	25.00	384.00	998.00	10.00	44.00	48.00	72.00	112.00	23.00	12.00	14.00	92.00	29.00		54.00	95.00	53.00	144.00	91.00
13/02/2013	16.00	384.00	940.00	12.00	45.00	59.00	77.00	206.00	29.00	12.00	19.00	107.00	27.00	30.00	59.00	107.00	58.00	173.00	158.00
14/05/2013	17.00	412.00	1103.00	11.00	44.00	59.00	69.00	159.00	21.00	8.90	19.00	115.00	24.00	26.00	56.00	96.00	55.00	160.00	118.00
6/08/2013	21.00	412.00	954.00	12.00	45.00	61.00	83.00	171.00	25.00	14.00	21.00	131.00	26.00	28.00	61.00	102.00	63.00	175.00	190.00
12/11/2013	37.00	480.00	1212.00	13.00	49.00	69.00	92.00		29.00	9.20	20.00	125.00	37.00		65.00	108.00	64.00	190.00	122.00
11/02/2014	43.00	493.00	1334.00	11.00	46.00	65.00	84.00		25.00						61.00	92.00	75.00	171.00	101.00
13/05/2014	34.00	432.00	1219.00	12.00	49.00	62.00	70.00		25.00	15.00		76.00			59.00	87.00	55.00	169.00	95.00
12/08/2014	53.00	491.00	1126.00	15.00	48.00	63.00	77.00		34.00			92.00	35.00		63.00	97.00	63.00	193.00	89.00
10/11/2014	37.00	563.00	1247.00	15.00	49.00	64.00	83.00		34.00	15.00		98.00	33.40		64.00	92.00	64.00	196.00	88.00
9/02/2015	16.00	504.00	1220.00	9.90	55.00	58.00	84.00	216.00	28.00	12.00	17.00	81.00	25.00	32.00	59.00	78.00	56.00	183.00	88.00
11/05/2015	18.00	431.00	1232.00	11.00	53.00	68.00	88.00	203.00	66.00	13.00	21.00	110.00	32.00	25.00	61.00	85.00	62.00	210.00	90.00
11/08/2015	19.00	520.00	1270.00	12.00	48.00	62.00	78.00	296.00	192.00	15.00	20.00	124.00	34.00		61.00	80.00	60.00	207.00	73.00
10/11/2015	23.00	481.00	990.00	9.70	61.00	50.00	52.00	346.00	26.00	11.00	16.00	96.00	24.00	28.00	58.00	75.00	59.00	201.00	78.00
8/02/2016	29.47	472.92	1165.20	15.82	49.32	59.78	63.15	120.06	10.83	13.38	17.54	92.67	30.72	29.99	59.98	78.64	59.30	195.40	75.49
9/05/2016	22.54	501.68	1119.15	11.96	49.19	60.17	76.98	255.65	28.93	13.54	17.14	105.77	31.10		56.84	43.92	60.35	198.04	81.27
9/08/2016	21.22	436.53	954.44	12.85	56.13	55.03	66.73	314.68	15.43	13.70	18.70	117.54	30.35	28.03	60.02	70.84	59.96	200.05	83.43
7/11/2016	25.37	603.61	1082.99	12.93	49.30	67.24	80.43	131.50		14.58	19.47	119.34	35.12		63.11	79.84	62.82	203.37	81.49
7/02/2017	33.70	553.03	1041.14	12.29	46.69	58.25	65.84	76.81	22.48	11.78		110.10	32.85	33.74	57.25	77.57	60.83	195.87	76.18
8/05/2017	15.10	510.61	880.88	10.39	59.49	60.01	72.92	362.04		10.26	12.63	109.18	23.08	34.79	57.85	77.02	58.04	193.88	67.95
8/08/2017	17.41	490.61	941.95	12.36	51.11	55.57	73.20	322.79	24.69	12.19	16.86	110.07	27.29	28.77	57.04	76.40	59.21	201.19	75.25
7/11/2017	34.62		1277.58	9.01	55.42	67.08	70.67	203.18	22.98	13.43	18.63	109.35	22.51	45.88	59.17	76.42	61.47	194.04	75.48
14/02/2018	28.03		1063.90	12.27	49.74	59.74	59.94	132.93		12.88	17.33	101.58	29.32	40.62	59.91	74.75	59.57	192.33	75.57
9/05/2018	18.15		1160.42		48.12	60.86	70.77	478.11		13.00	16.89	109.34	30.05	34.79	59.87	77.02	63.24	193.85	67.25
15/08/2018	27.02		1029.59	13.38	53.01	62.14	71.45	267.26		14.04		116.56	32.35	33.47	63.41	81.75	66.54	205.86	72.53
14/11/2018	21.15		1039.53	12.77	49.17	59.82	73.60	721.00	28.78	12.40	17.99	111.33	30.35	34.97	59.83	75.07	61.19	196.79	61.04
13/02/2019	31.44		1200.65	13.85	51.85	59.88	72.54		24.00				34.90		62.66	78.20	64.87	199.25	61.03
15/05/2019	21.00		1250.00	13.00	96.00	61.00	74.00	228.00	26.00	12.00		107.00	27.00	40.00	65.00	80.00	68.00	205.00	72.00
14/08/2019	21.00		1070.00	13.00	72.00	54.00	69.00	234.00		12.00		101.00	29.00	31.00	61.00	74.00	66.00	196.00	69.00
13/11/2019	37.00		1070.00	14.00	59.00	57.00	68.00								62.00	76.00	65.00	191.00	81.00
25/02/2020	14.00		1280.00	10.00	63.00	48.00	55.00	382.00	16.00	7.30	9.30	88.00	17.00	26.00	57.00	68.00	60.00	176.00	67.00
12/05/2020	15.00		1200.00	12.00	51.00	59.00	54.00	260.00	43.00	11.00	16.00	102.00	22.00	38.00	57.00	67.00	61.00	180.00	69.00
11/08/2020	21.00		1040.00	12.00	60.00	52.00	61.00	569.00	32.00	9.40	17.00	103.00	26.00	32.00	59.00	67.00	62.00	179.00	77.00
10/11/2020	30.00		1030.00	12.00	50.00	58.00	56.00	131.00	26.00	11.00	17.00		24.00	35.00	59.00	65.00	63.00	181.00	71.00

Na	SW1	SW2	SW4
31/01/2011	13.00	13.00	
10/05/2011	16.00	19.00	12.00
9/08/2011	24.00	23.00	18.00
8/11/2011	18.00	13.00	14.00
6/02/2012	16.00	17.00	9.20
8/05/2012	15.00	17.00	7.60
6/08/2012	13.00	15.00	9.30
13/11/2012	18.00	27.00	12.00
13/02/2013	17.00	22.00	14.00
14/05/2013	15.00	18.00	12.00
6/08/2013	17.00	20.00	10.00
12/11/2013		29.00	35.00
11/02/2014		34.00	
13/05/2014	40.00	38.00	14.00
12/08/2014		37.00	
10/11/2014		33.00	
9/02/2015	14.00	16.00	7.10
11/05/2015	14.00	16.00	8.00
11/08/2015	16.00	20.00	9.60
10/11/2015	14.00	18.00	8.00
8/02/2016	17.01	20.62	12.81
9/05/2016	19.15	20.68	15.27
9/08/2016	16.89	22.30	11.23
7/11/2016		25.38	
7/02/2017		24.47	16.66
8/05/2017	12.76	17.73	9.61
8/08/2017	17.26	18.57	11.89
7/11/2017	16.83	23.63	12.22
14/02/2018		23.95	
9/05/2018	14.70	18.68	10.60
15/08/2018		21.49	
14/11/2018		27.38	14.50
10/02/2019		23.03	
15/05/2019	21.00	26.00	13.00
14/08/2019	20.00	22.00	11.00
12/11/2019		28.00	
25/02/2020	13.00	16.00	6.40
12/05/2020	17.00	17.00	14.00
11/08/2020	17.00	20.00	12.00
10/11/2020		26.00	15.00

Total Sodium (mg/L)

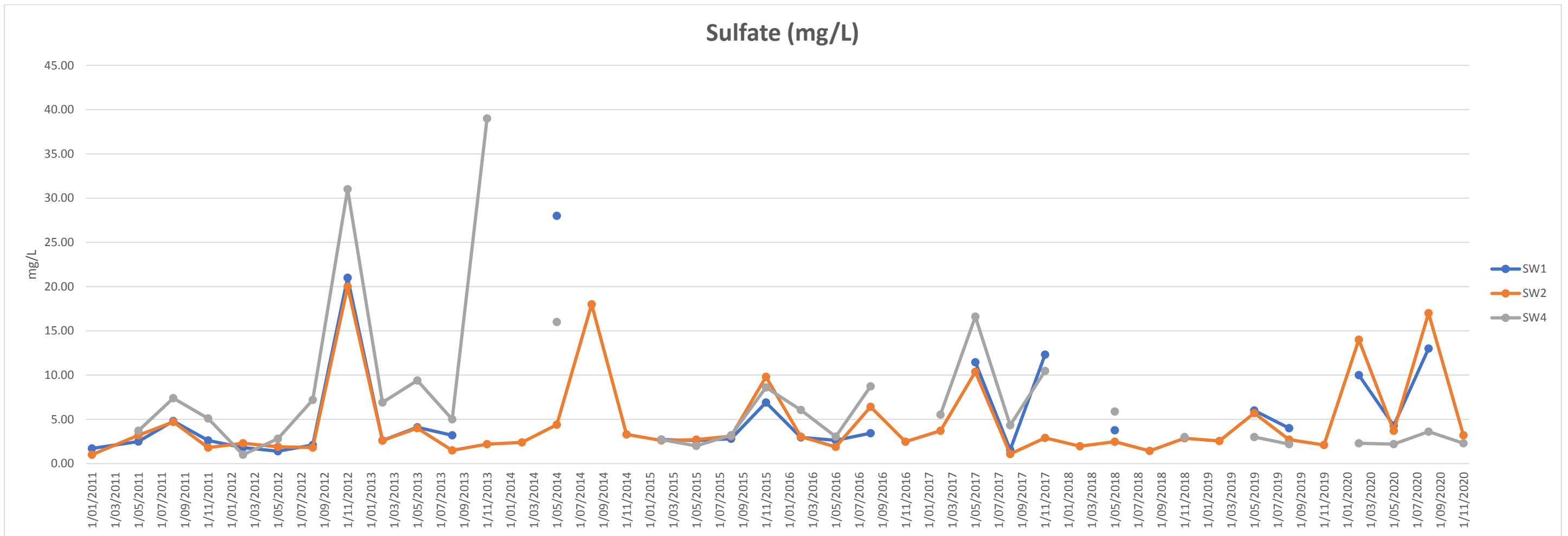
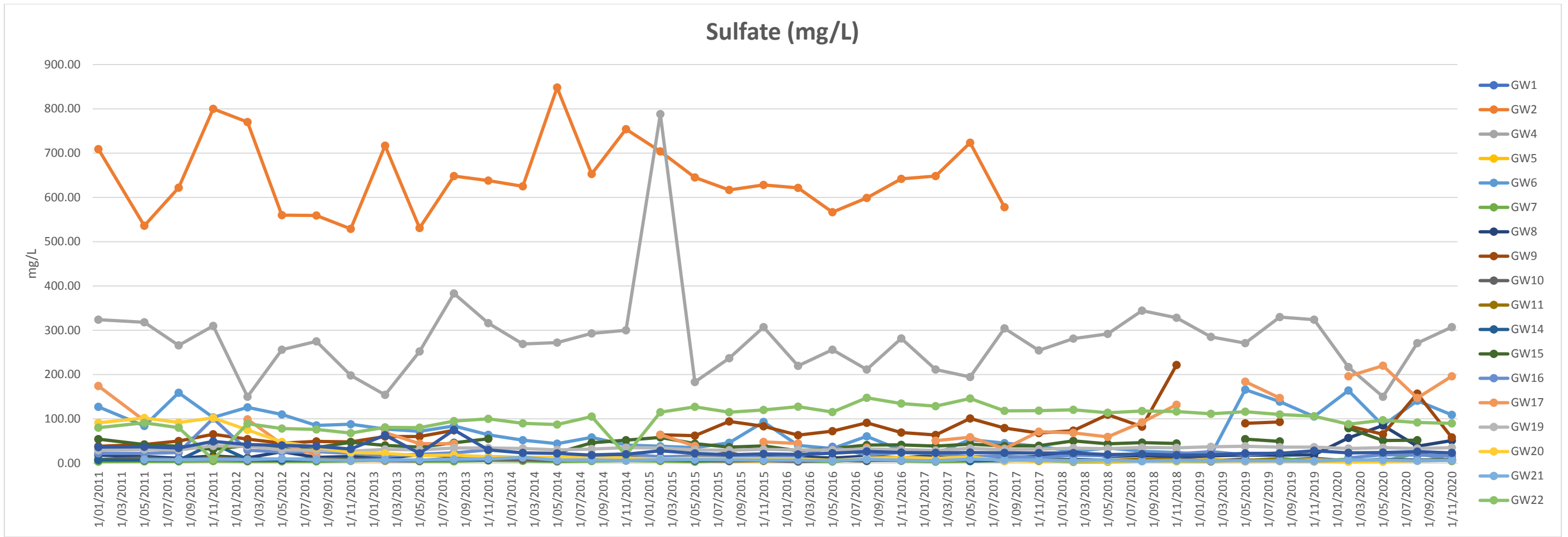


Total Sodium (mg/L)



Sulfate	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23			
31/01/2011	4.10	709.00	324.00	7.50	127.00	3.60	18.00	38.00	8.20	7.80	7.10	54.00	22.00	174.00	29.00	91.00		80.00	36.00			
10/05/2011	5.20	536.00	318.00	6.80	84.00	3.90	15.00	42.00	12.00	7.50	6.60	42.00	22.00	96.00	31.00	102.00	8.00	91.00	37.00			
9/08/2011	5.40	622.00	266.00	5.20	159.00	3.90	11.00	50.00	8.10	7.20	6.20	38.00	24.00		30.00	92.00	7.60	80.00	34.00			
8/11/2011	8.10	800.00	310.00	7.40	103.00	4.70	16.00	65.00	9.50	12.00	44.00	31.00	101.00		39.00	102.00	9.00	8.20	49.00			
6/02/2012	9.00	770.00	150.00	7.50	126.00	4.10	12.00	54.00	5.80	9.70	8.80	40.00	29.00	99.00	38.00	75.00	7.90	89.00	42.00			
8/05/2012	6.10	560.00	256.00	6.50	110.00	3.90	26.00	45.00	6.50	8.80	6.80	35.00	25.00	43.00	30.00	48.00	10.00	78.00	40.00			
6/08/2012	5.40	559.00	275.00	6.30	85.00	4.00	13.00	49.00	9.50	9.60	6.60	35.00	26.00	19.00	29.00	36.00	7.40	76.00	38.00			
13/11/2012	7.60	529.00	198.00	5.30	88.00	5.30	15.00	48.00	8.90	7.20	6.20	47.00	22.00		27.00	24.00	5.90	68.00	32.00			
13/02/2013	5.20	717.00	154.00	6.00	77.00	8.30	12.00	60.00	9.30	6.70	8.00	40.00	16.00	69.00	31.00	22.00	7.60	81.00	63.00			
14/05/2013	4.80	531.00	252.00	6.10	72.00	4.40	19.00	60.00	5.70	6.00	6.60	36.00	20.00	44.00	30.00	17.00	7.30	80.00	22.00			
6/08/2013	4.50	648.00	383.00	7.40	84.00	4.30	16.00	74.00	8.20	11.00	8.30	46.00	23.00	44.00	34.00	18.00	8.80	95.00	75.00			
12/11/2013	10.00	638.00	316.00	7.30	64.00	6.00	14.00		8.90	6.90	7.60	55.00	30.00		34.00	14.00	9.40	100.00	30.00			
11/02/2014	13.00	625.00	269.00	6.00	52.00	5.20	13.00		8.00						33.00	13.00	13.00	90.00	23.00			
13/05/2014	11.00	848.00	272.00	5.30	44.00	3.60	12.00		5.50	8.20		23.00			30.00	13.00	6.60	87.00	22.00			
12/08/2014	13.00	653.00	293.00	7.40	58.00	4.80	15.00		9.40			46.00	19.00		32.00	14.00	7.00	105.00	18.00			
10/11/2014	10.00	754.00	300.00	7.60	41.00	5.60	14.00		9.00	9.40		52.00	21.00		35.00	12.00	5.80	18.00	20.00			
9/02/2015	6.40	704.00	788.00	6.60	38.00	4.60	10.00	64.00	7.20	7.30	8.10	58.00	14.00	64.00	34.00	9.20	7.90	115.00	28.00			
11/05/2015	4.90	645.00	183.00	5.50	35.00	3.30	12.00	62.00	12.00	5.80	6.00	44.00	16.00	39.00	30.00	11.00	8.00	127.00	22.00			
11/08/2015	4.50	617.00	237.00	5.30	46.00	6.20	15.00	94.00	24.00	5.30	5.80	36.00	18.00		29.00	10.00	7.70	115.00	19.00			
10/11/2015	5.00	628.00	307.00	4.70	93.00	6.20	17.00	83.00	5.90	6.10	6.20	39.00	12.00	48.00	31.00	10.00	6.70	120.00	21.00			
8/02/2016	7.33	621.51	219.67	6.21	40.14	4.38	14.64	63.18	3.65	7.94	6.49	27.74	14.59	44.34	29.76	9.87	6.53	127.49	19.76			
9/05/2016	5.80	566.50	255.94	5.95	32.91	3.40	11.39	72.08	6.61	7.02	6.00	33.11	36.72		29.32	6.03	5.62	115.32	22.23			
9/08/2016	6.05	598.78	211.58	5.48	60.27	9.59	15.63	90.95	4.88	6.71	6.46	40.71	18.21	35.04	31.62	11.17	8.44	147.48	26.31			
7/11/2016	7.18	641.77	281.56	6.58	29.02	5.28	12.38	68.90		7.94	6.32	41.10	23.91		30.69	13.30	6.65	134.73	24.01			
7/02/2017	9.58	648.05	211.49	6.22	21.33	3.30	16.87	63.41	6.32	7.48		38.45	21.19	50.55	28.62	10.80	5.13	128.55	23.30			
8/05/2017	6.14	723.28	194.42	4.90	52.95	4.47	14.43	100.69		5.83	4.70	42.87	14.61	58.64	33.37	14.16	9.06	145.91	23.84			
8/08/2017	4.78	577.91	304.27	6.49	45.30	5.84	12.79	79.16	8.84	7.47	6.61	38.94	16.21	32.79	30.41	5.26	7.67	117.97	23.24			
7/11/2017	8.14		254.53	4.38	37.91	6.91	14.94	67.78	8.09	7.32	6.01	39.30	11.70	70.88	31.43	6.35	6.69	118.41	22.92			
14/02/2018	6.94		281.32	6.52	25.88	2.97	24.96	73.32		8.22	7.86	50.15	18.02	68.47	33.84	4.86	5.60	120.33	22.95			
9/05/2018	6.04		291.91		33.99	3.32	15.02	109.31		6.42	6.78	43.64	16.41	59.41	32.58	4.26	7.13	113.84	19.40			
15/08/2018	7.10		344.51	6.93	26.54	4.78	17.19	82.31		9.03		46.32	21.07	92.30	35.24	4.80	4.27	117.78	20.50			
14/11/2018	6.50		328.40	7.14	23.96	4.19	13.61	221.60	9.69	8.34	7.18	44.38	20.88	131.91	34.75	5.04	6.49	116.34	17.97			
13/02/2019	8.74		285.25	7.56	18.32	3.96	16.38		3.79							26.08		36.99	4.96	5.55	111.23	18.53
15/05/2019	4.10		271.00	7.10	166.00	5.70	18.00	90.00	9.80	6.70		54.00	19.00	184.00	38.00	4.40	5.40	116.00	22.00			
14/08/2019	6.30		330.00	6.90	139.00	11.00	18.00	93.00		8.20		49.00	23.00	147.00	36.00	4.50	5.20	110.00	22.00			
13/11/2019	11.00		324.00	7.30	105.00	3.70	19.00									36.00	3.70	4.90	106.00	28.00		
25/02/2020	5.00		217.00	6.00	164.00	9.50	57.00	84.00	5.70	4.20	5.30	79.00	12.00	196.00	33.00	3.00	7.00	88.00	23.00			
12/05/2020	5.50		150.00	6.90	85.00	3.60	85.00	65.00	8.70	7.60	7.50	51.00	19.00	220.00	35.00	3.70	7.20	97.00	24.00			
11/08/2020	6.20		271.00	5.70	141.00	23.00	38.00	157.00	7.20	6.70	6.60	52.00	18.00	147.00	33.00	5.20	5.30	92.00	26.00			
10/11/2020	8.60		307.00	6.40	109.00	4.80	51.00	58.00	8.00	6.10	6.80		16.00	196.00	35.00	6.30	6.20	90.00	23.00			

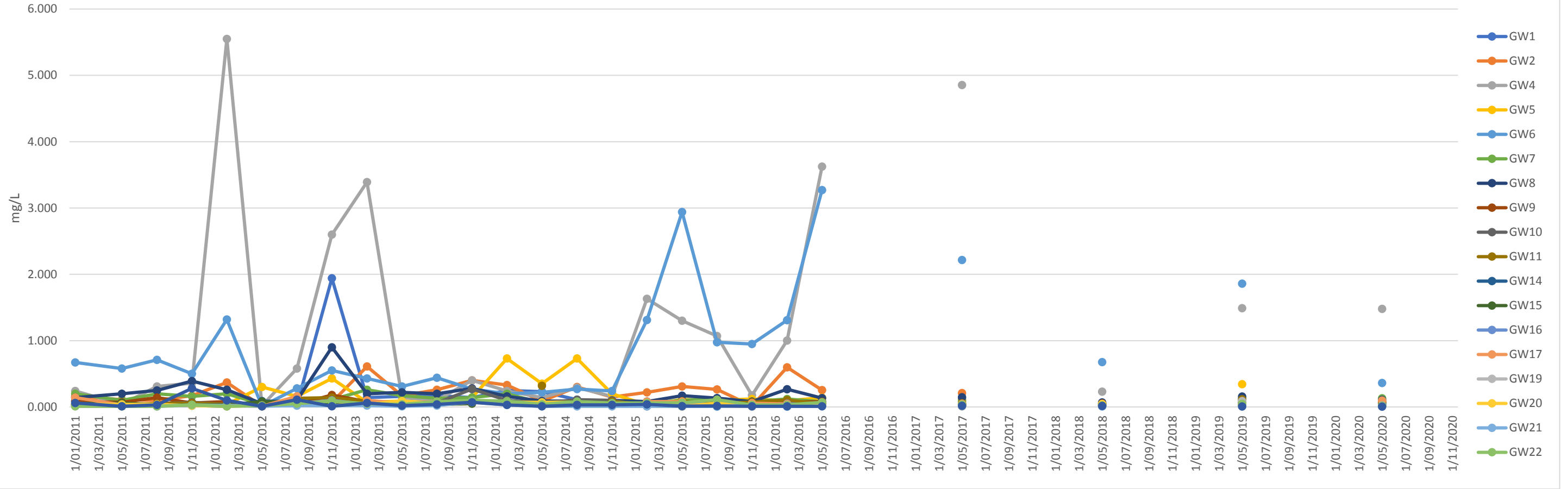
Sulfate	SW1	SW2	SW4
31/01/2011	1.70	1.00	
10/05/2011	2.50	3.20	3.70
9/08/2011	4.80	4.70	7.40
8/11/2011	2.60	1.80	5.10
6/02/2012	1.80	2.30	1.00
8/05/2012	1.40	1.90	2.80
6/08/2012	2.10	1.80	7.20
13/11/2012	21.00	20.00	31.00
13/02/2013	2.60	2.60	6.90
14/05/2013	4.10	4.00	9.40
6/08/2013	3.20	1.50	5.00
12/11/2013		2.20	39.00
11/02/2014		2.40	
13/05/2014	28.00	4.40	16.00
12/08/2014		18.00	
10/11/2014		3.30	
9/02/2015	2.70	2.60	2.70
11/05/2015	2.60	2.70	2.00
11/08/2015	2.80	3.10	3.20
10/11/2015	6.90	9.80	8.60
8/02/2016	2.96	3.03	6.06
9/05/2016	2.62	1.89	3.04
9/08/2016	3.44	6.42	8.74
7/11/2016		2.48	
7/02/2017		3.70	5.54
8/05/2017	11.45	10.37	16.60
8/08/2017	1.55	1.09	4.33
7/11/2017	12.31	2.91	10.48
14/02/2018		1.95	
9/05/2018	3.77	2.48	5.89
15/08/2018		1.42	
14/11/2018		2.87	3.00
10/02/2019		2.54	
15/05/2019	6.00	5.70	3.00
14/08/2019	4.00	2.70	2.20
12/11/2019		2.10	
25/02/2020	10.00	14.00	2.30
12/05/2020	4.30	3.70	2.20
11/08/2020	13.00	17.00	3.60
10/11/2020		3.20	2.30



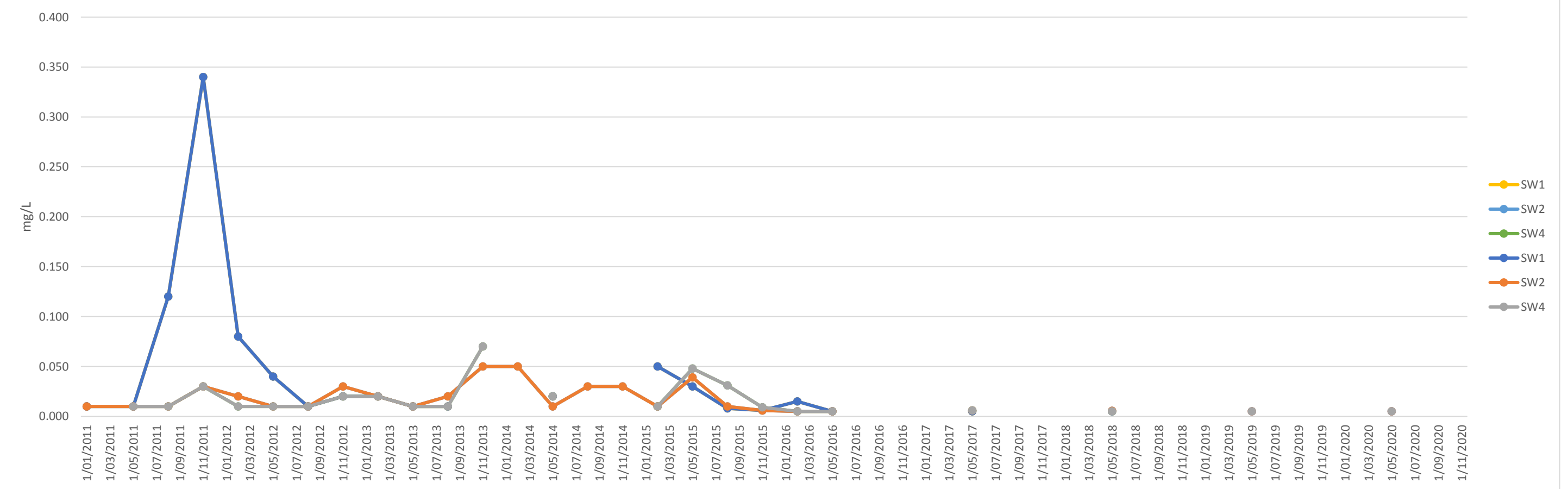
Zn	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
31/01/2011	0.090	0.160	0.240	0.030	0.670	0.200	0.140	0.080	0.030	0.030	0.030	0.050	0.020	0.140	0.010	0.040		0.010	0.060
10/05/2011	0.030	0.110	0.040	0.050	0.580	0.100	0.200	0.070	0.010	0.040	0.020	0.060	0.020	0.030	0.010	0.040	0.010	0.010	0.010
9/08/2011	0.010	0.100	0.310	0.040	0.710	0.200	0.250	0.140	0.050	0.050	0.030	0.030	0.020		0.010	0.040	0.010	0.010	0.030
8/11/2011	0.040	0.170	0.360	0.020	0.500	0.160	0.390	0.060	0.070	0.060	0.020	0.030	0.020		0.020	0.020	0.030	0.030	0.280
6/02/2012	0.010	0.370	5.550	0.040	1.320	0.200	0.260	0.080	0.040	0.040	0.010	0.030	0.020	0.020	0.010	0.010	0.020	0.010	0.100
8/05/2012	0.080	0.010	0.020	0.300	0.010	0.040	0.050	0.010	0.020	0.040	0.090	0.080	0.020	0.010	0.020	0.020	0.010	0.020	0.010
6/08/2012	0.030	0.080	0.580	0.160	0.280	0.080	0.100	0.040	0.040	0.130	0.080	0.070	0.050	0.160	0.020	0.050	0.020	0.050	0.110
13/11/2012	1.940	0.070	2.600	0.430	0.550	0.110	0.900	0.180	0.090	0.140	0.070	0.060	0.100		0.020	0.090	0.020	0.090	0.010
13/02/2013	0.140	0.610	3.390	0.070	0.430	0.260	0.200	0.080	0.060	0.090	0.040	0.050	0.040	0.100	0.030	0.040	0.020	0.050	0.060
14/05/2013	0.160	0.170	0.140	0.090	0.310	0.170	0.220	0.050	0.050	0.030	0.030	0.030	0.020	0.060	0.010	0.090	0.010	0.040	0.020
6/08/2013	0.170	0.260	0.100	0.060	0.440	0.130	0.200	0.040	0.060	0.060	0.030	0.040	0.030	0.080	0.030	0.050	0.020	0.080	0.040
12/11/2013	0.140	0.400	0.400	0.140	0.270	0.140	0.280		0.270	0.100	0.100	0.050	0.100		0.070	0.090	0.080	0.100	0.070
11/02/2014	0.250	0.330	0.240	0.730	0.200	0.200	0.160		0.100						0.030	0.070	0.030	0.090	0.030
13/05/2014	0.230	0.090	0.140	0.350	0.220	0.060	0.090		0.060	0.320		0.060			0.010	0.070	0.010	0.040	0.010
12/08/2014	0.110	0.300	0.290	0.730	0.270	0.090	0.090		0.110			0.080	0.080		0.010	0.071	0.010	0.080	0.030
10/11/2014	0.070	0.150	0.160	0.200	0.240	0.070	0.100		0.100	0.080		0.060	0.040		0.010	0.040	0.010	0.060	0.030
9/02/2015	0.020	0.220	1.630	0.030	1.310	0.060	0.080	0.050	0.010	0.040	0.060	0.040	0.020	0.080	0.010	0.030	0.010	0.060	0.040
11/05/2015	0.045	0.309	1.300	0.113	2.940	0.099	0.169	0.069	0.039	0.086	0.068	0.047	0.048	0.082	0.006	0.011	0.011	0.063	0.012
11/08/2015	0.012	0.264	1.070	0.098	0.975	0.128	0.132	0.066	0.080	0.052	0.033	0.034	0.040		0.005	0.056	0.006	0.110	0.015
10/11/2015	0.069	0.015	0.176	0.119	0.950	0.080	0.080	0.062	0.051	0.074	0.028	0.049	0.036	0.057	0.005	0.030	0.028	0.032	0.011
8/02/2016	0.039	0.597	1.001	0.094	1.309	0.120	0.267	0.077	0.014	0.104	0.035	0.034	0.050	0.044	0.006	0.013	0.006	0.031	0.011
9/05/2016	0.060	0.255	3.625	0.139	3.271	0.079	0.132	0.078	0.070	0.045	0.025	0.030	0.027		0.017	0.027	0.013	0.070	0.009
9/08/2016																			
7/11/2016																			
7/02/2017																			
8/05/2017	0.116	0.210	4.855	0.097	2.216	0.083	0.146	0.021		0.055	0.042	0.026	0.038	0.047	0.008	0.033	0.017	0.036	0.018
8/08/2017																			
7/11/2017																			
14/02/2018																			
9/05/2018	0.046		0.231		0.677	0.043	0.068	0.051		0.044	0.024	0.016	0.017	0.029	0.043	0.044	0.008	0.024	0.015
15/08/2018																			
14/11/2018																			
13/02/2019																			
15/05/2019	0.131		1.490	0.343	1.860	0.104	0.156	0.060	0.068	0.114		0.026	0.034	0.038	0.090	0.016	0.009	0.046	0.007
14/08/2019																			
13/11/2019																			
25/02/2020																			
12/05/2020	0.036		1.480	0.087	0.361	0.130	0.108	0.072	0.056	0.067	0.023	0.026	0.025	0.097	0.012	0.021	0.020	0.016	0.005
11/08/2020																			
10/11/2020																			

Zn	SW1	SW2	SW4
31/01/2011	0.010	0.010	
10/05/2011	0.010	0.010	0.010
9/08/2011	0.120	0.010	0.010
8/11/2011	0.340	0.030	0.030
6/02/2012	0.080	0.020	0.010
8/05/2012	0.040	0.010	0.010
6/08/2012	0.010	0.010	0.010
13/11/2012	0.020	0.030	0.020
13/02/2013	0.020	0.020	0.020
14/05/2013	0.010	0.010	0.010
6/08/2013	0.010	0.020	0.010
12/11/2013		0.050	0.070
11/02/2014		0.050	
13/05/2014	0.020	0.010	0.020
12/08/2014		0.030	
10/11/2014		0.030	
9/02/2015	0.050	0.010	0.010
11/05/2015	0.030	0.039	0.048
11/08/2015	0.008	0.010	0.031
10/11/2015	0.006	0.006	0.009
8/02/2016	0.015	0.005	0.005
9/05/2016	0.005	0.005	0.005
9/08/2016			
7/11/2016			
7/02/2017			
8/05/2017	0.005	0.006	0.006
8/08/2017			
7/11/2017			
14/02/2018			
9/05/2018	0.005	0.006	0.005
15/08/2018			
14/11/2018			
10/02/2019			
15/05/2019	0.005	0.005	0.005
14/08/2019			
12/11/2019			
25/02/2020			
12/05/2020	0.005	0.005	0.005
11/08/2020			
10/11/2020			

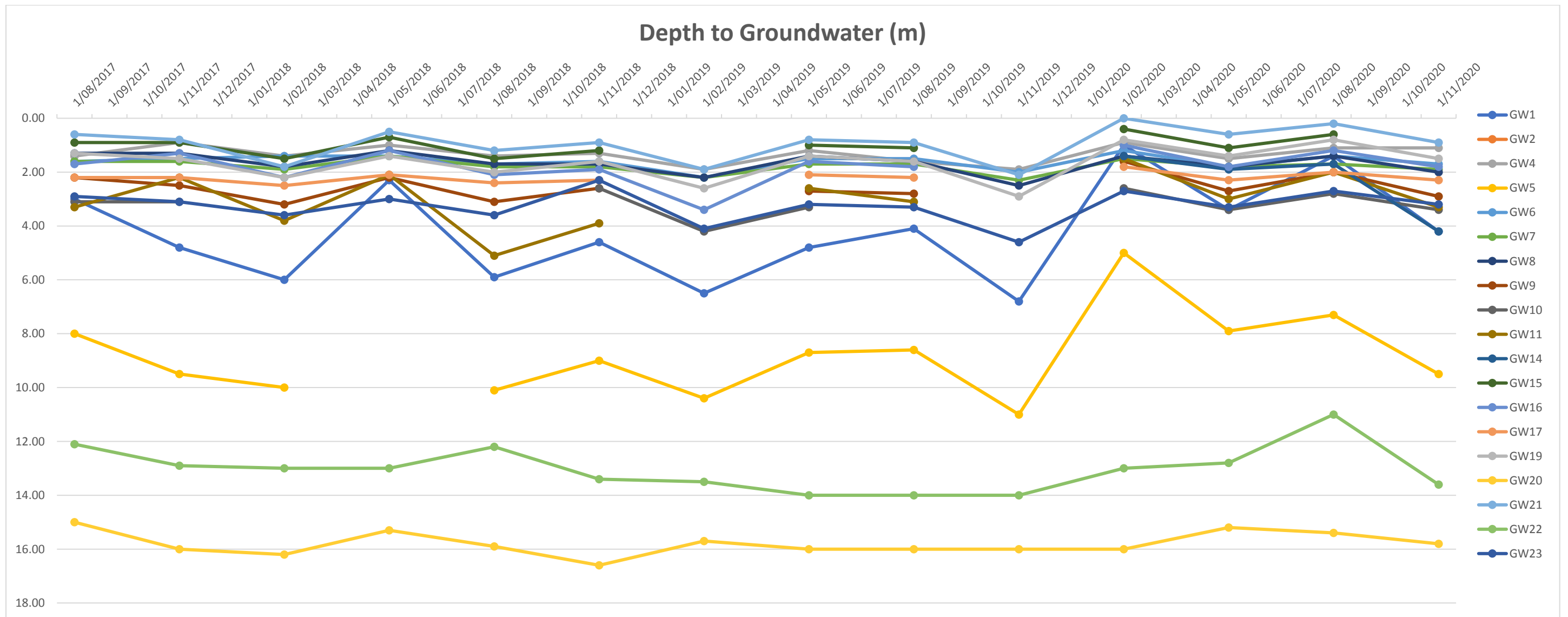
Total Zinc (mg/L)



Total Zinc (mg/L)



Depth to Groundwater	GW1	GW2	GW4	GW5	GW6	GW7	GW8	GW9	GW10	GW11	GW14	GW15	GW16	GW17	GW19	GW20	GW21	GW22	GW23
8/08/2017	3.00	1.40	1.40	8.00	1.60	1.60	1.30	2.20	3.10	3.30		0.90	1.70	2.20	1.30	15.00	0.60	12.10	2.90
7/11/2017	4.80		0.90	9.50	1.50	1.60	1.30	2.50	3.10	2.20		0.90	1.30	2.20	1.50	16.00	0.80	12.90	3.10
14/02/2018	6.00		1.40	10.00	1.40	1.90	1.80	3.20		3.80		1.50	2.20	2.50	2.20	16.20	1.80	13.00	3.60
9/05/2018	2.30		1.00		1.40	1.40	1.20	2.20		2.10		0.70	1.20	2.10	1.40	15.30	0.50	13.00	3.00
15/08/2018	5.90		1.40	10.10	1.70	1.80	1.70	3.10		5.10		1.50	2.10	2.40	2.00	15.90	1.20	12.20	3.60
14/11/2018	4.60		1.30	9.00	1.60	1.80	1.70	2.60	2.60	3.90		1.20	1.90	2.30	1.60	16.60	0.90	13.40	2.30
13/02/2019	6.50		1.90	10.40	2.20	2.20	2.20		4.20				3.40		2.60	15.70	1.90	13.50	4.10
15/05/2019	4.80		1.20	8.70	1.50	1.70	1.40	2.70	3.30	2.60		1.00	1.60	2.10	1.40	16.00	0.80	14.00	3.20
14/08/2019	4.10		1.60	8.60	1.50	1.70	1.60	2.80		3.10		1.10	1.80	2.20	1.60	16.00	0.90	14.00	3.30
13/11/2019	6.80		1.90	11.00	2.00	2.30	2.50								2.90	16.00	2.10	14.00	4.60
25/02/2020	1.00		0.90	5.00	1.20	1.50	1.40	1.60	2.60	1.50	1.40	0.40	1.00	1.80	0.80	16.00	<0.1	13.00	2.70
12/05/2020	3.40		1.50	7.90	1.80	1.80	1.80	2.70	3.40	3.00	1.90	1.10	1.80	2.30	1.40	15.20	0.60	12.80	3.30
11/08/2020	1.40		1.10	7.30	1.40	1.70	1.40	2.00	2.80	2.00	1.70	0.60	1.20	2.00	0.80	15.40	0.20	11.00	2.70
10/11/2020	4.20		1.10	9.50	1.70	1.90	2.00	2.90	3.40	3.30	4.20		1.80	2.30	1.50	15.80	0.90	13.60	3.20



Appendix E – 2020 Meteorological Data

Daily Min and Max Temperature

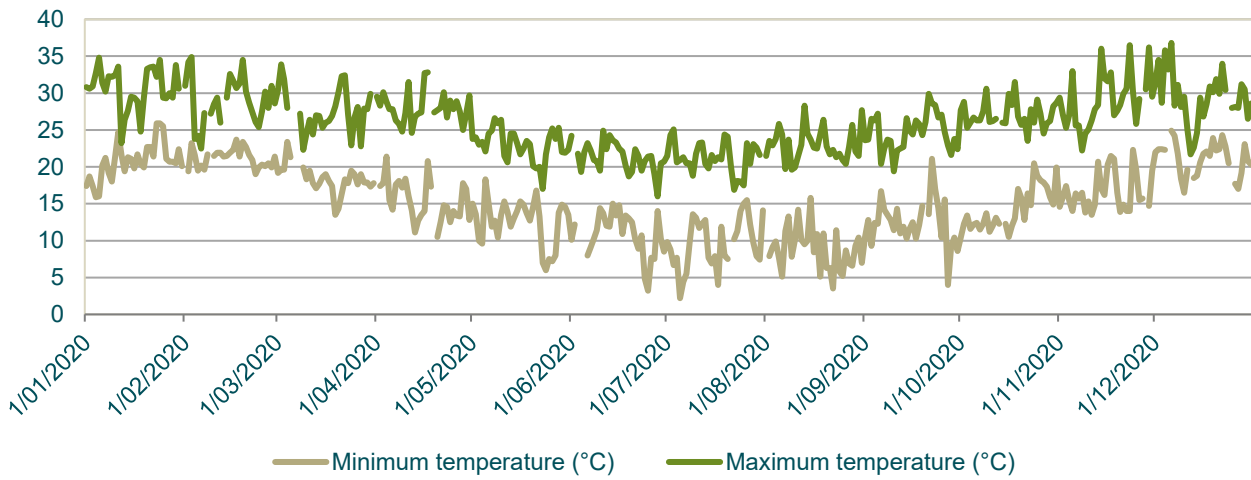


Figure B.1 – Eviron daily maximum and minimum air temperatures from January 2020 to December 2020.

Average Daily Humidity (%RH)

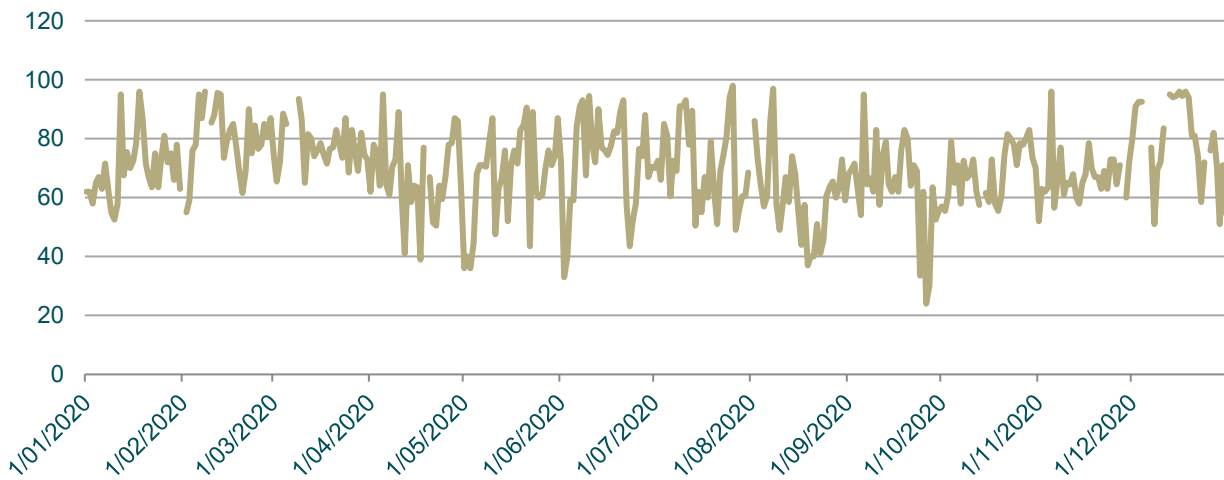


Figure B.2 – Eviron average humidity readings from January 2020 to December 2020.

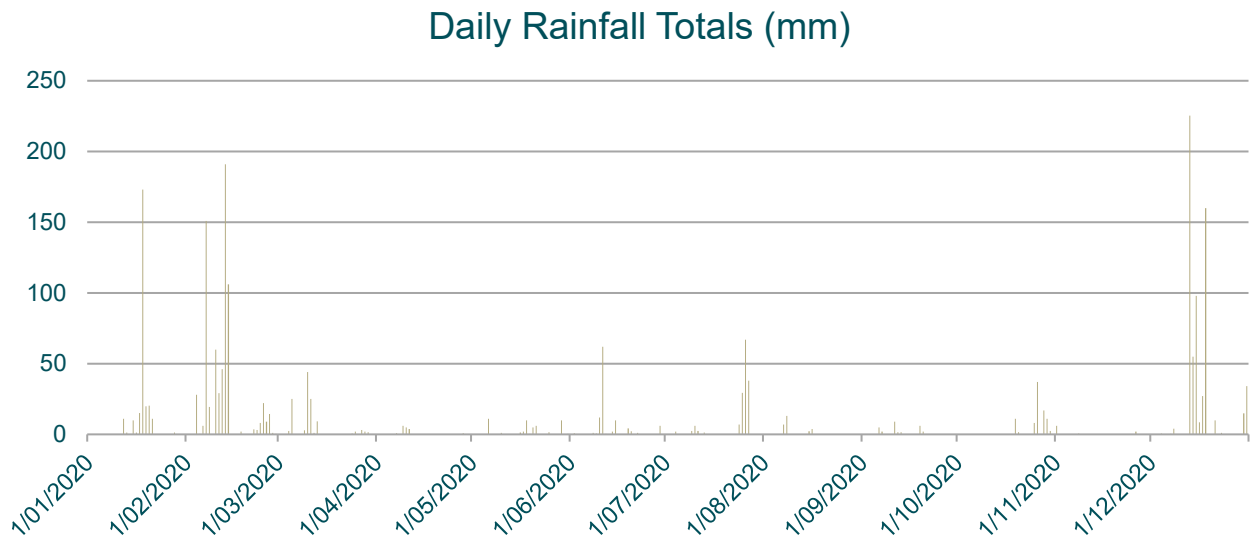


Figure B.3 – Eviron daily rainfall totals from January 2020 to December 2020.

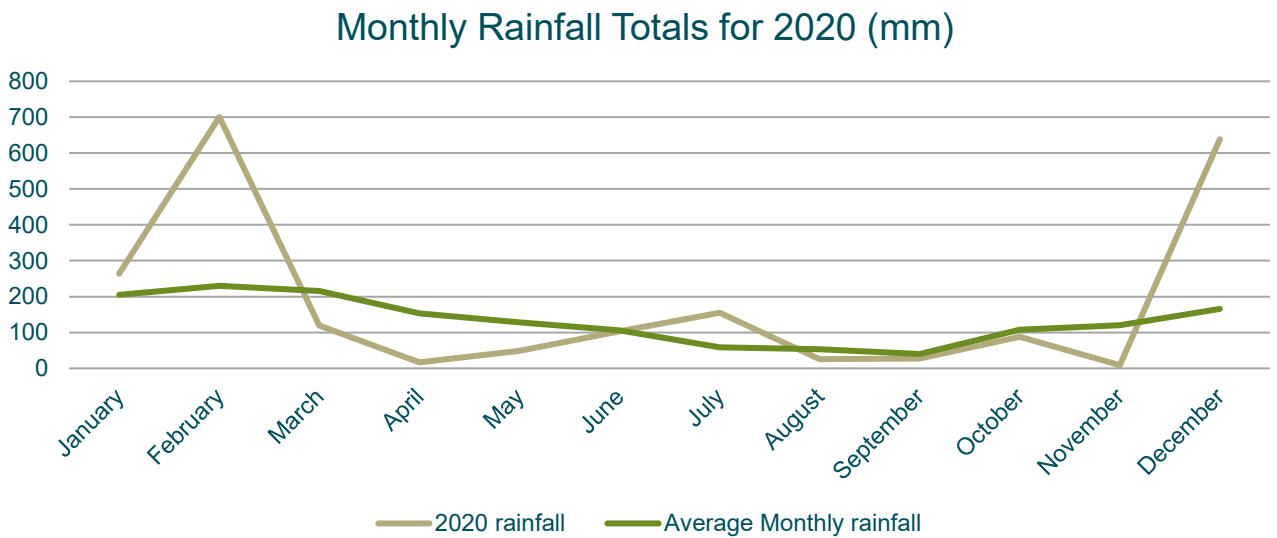


Figure B.4 – Cumulative rainfall total for 2019 relative to the long-term average cumulative rainfall for the Murwillumbah weather station.

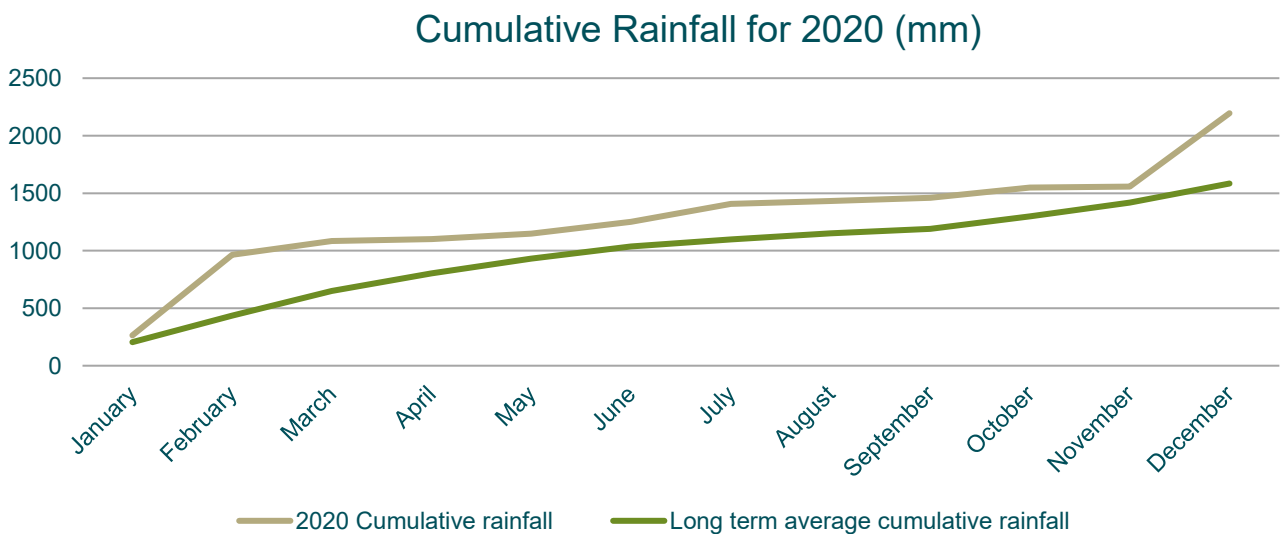


Figure B.5 – Cumulative rainfall total for 2019 relative to the long-term average cumulative rainfall for the Murwillumbah weather station.



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