RECLAMATION PLAN FOR INACTIVE QML-0007

CARMACKS COPPER PROJECT, YT

PREPARED BY

EXECUTIVE SUMMARY

In late November 2020, Granite Creek Copper[1] acquired the Carmacks Copper Project from Copper North Mining Corp. The project included Quartz Mining License QML-0007 which covers land tenure encompassed by the Carmacks Copper Project, located in the Yukon Territory, 38 km directly northwest of the Village of Carmacks on the Traditional Territories of both Little Salmon Carmacks First Nation (LSCFN) and Selkirk First Nation (SFN).

The original Conceptual Closure and Reclamation Plan was prepared by Western Copper in June 1997, modified in May 2005, and later in August 2006 (Revision 1), in October 2006 (Revision 2), in November 2007 (Revision 3), and in December 2008 to reflect the (then) status of the project and planned conceptual closure measures. In May 2009, Access Consulting prepared its *Preliminary Detailed Closure and Reclamation Plan* incorporating YESAB's 2008 recommendations and Yukon Government decisions of September 2008 and April 2009 (issuance of Quartz Mining License QML-0007) which followed the review of the earlier versions.

The proposed associated activities under QML-0007 included the development of an open pit, heap leach and copper extraction facility and events pond, crushing plant, waste rock storage area, soil stockpiles, drainage ditches and sediment control ponds, and support facilities. ***Development of the proposed mine did not take place under this QML.*** However, ongoing annual reporting and physical inspection reports were completed and reported to Yukon Government's (YG) Energy Mines and Resources (EMR) Major Mines branch outlining annual disturbances and site conditions.

This updated Reclamation Plan is meant to reflect current site conditions to replace Western Copper Corps. 2009 Preliminary Detailed Reclamation & Closure Plan which assumed approval and issuance of the water license and commencement of mining activity. The Reclamation Plan outlines Granite Creek Copper's (GCX) proposed reclamation activities (methodology and schedule,) and is supplemented by ***Appendix I – Inactive QML-0007 Reclamation Schedule*** and ***Appendix II – QML0007 Compiled Water Quality Monitoring (1987 – 2021)***. A map summarizing average pH from water quality monitoring (WQM) relative to ideal pH for aquatic life is also included to complement ***Appendix II.***

Closure Methods and Estimated Costs

In 2022, GCX completed a review of the current site conditions and provided YG-EMR Major Mines with an updated estimate for QML Closure Activities and associated Security. At present, security in the amount of $80,300 has been posted with Yukon Government. This plan is intended to be examine and establish the requirements to close QML-0007 in order to inform and adjust securities to reflect the current status of the area encompassed by the QML (refer to ***Table 1*** – *QML Schedule A*, page 1).

[1] The current corporate structure that evidences the ownership of the mining leases underlying QML-0007 by Granite Creek Copper Ltd. is as follows: 838232 Yukon Inc., owner of the Quartz Mining leases, and surrounding Quartz Mining claims is a wholly owned subsidiary of Granite Creek Copper Ltd.

Introduction

QML-0007 comprises 88 quartz claims and leases totaling 146 Ha, approximately 38 km northwest of Carmacks and 53 km southwest from Pelly Crossing, overlapping both the Traditional Territories of Little Salmon Carmacks First Nation (LSCFN) and Selkirk First Nation (SFN) on NTS map-sheet II5I/07 (refer to ***Table 1***, below and ***Figure 1***, page 3). The QML overlaps part of the Nordenskiold drainage and transects both Merrice and Williams Creeks which drain into the Yukon River.

Table 1. QML-0007 – Schedule A

Claim Label	**Lease**	***Grant No.***
AC # 2	OW00375	*Y 91722*
BOY 22	OW00366	*Y 51120*
BOY 24	OW00367	*Y 51122*
BOY 54 - 58		*Y 51152 - Y 51156*
BOY 83		*Y 51181*
BOY 85	OW00372	*Y 51183*
DUN 1 - 3		*Y 59382 - Y 59384*
GAP 1		*YC65320*
TT 1		*YB97068*
TT 2		*YB97251*
VW 11		*YB96620*
VW 13		*YB96622*
VW 17 - 21		*YB96626 - YB96630*
VW 23		*YB96632*
VW 25		*YB96634*
VW 27 - 38		*YB96636 - YB96647*
VW 40 - 50		*YB96986 - YB96996*
VW 41		*YB96987*
VW 60		*YB96997*
VW 61		*YB96998*
W 1		*YB26708*
W 10 - 18		*YB26717 - YB26725*
W 21		*YB26728*
W 22		*YB26729*
W 31 - 35		*YB26738 - YB26742*
W 37		*YB26744*
W 43		*YB26750*
W 44	OW00380	*YB26751*
W 50 - 53		*YB36249 - YB36252*
W 6 - 9		*YB26713 - YB26716*
W 91 - 93		*YB36929 - YB36933*
W 95		*YB36933*
WCC 10		*YC60390*
X 3 - 7		*YB36898 - YB36964*

1.1 QML-0007 History - Summary

In 2008, general site plans for the proposed Carmacks Copper Mine were proposed to YG and in April 2009, Western Copper Corporation and its wholly owned subsidiary Carmacks Copper Ltd. received issuance of QML-0007 (expiration April 1, 2034) to develop and produce a copper mine via open pit with heap leach solvent extraction and an electrowinnowing processing facility.

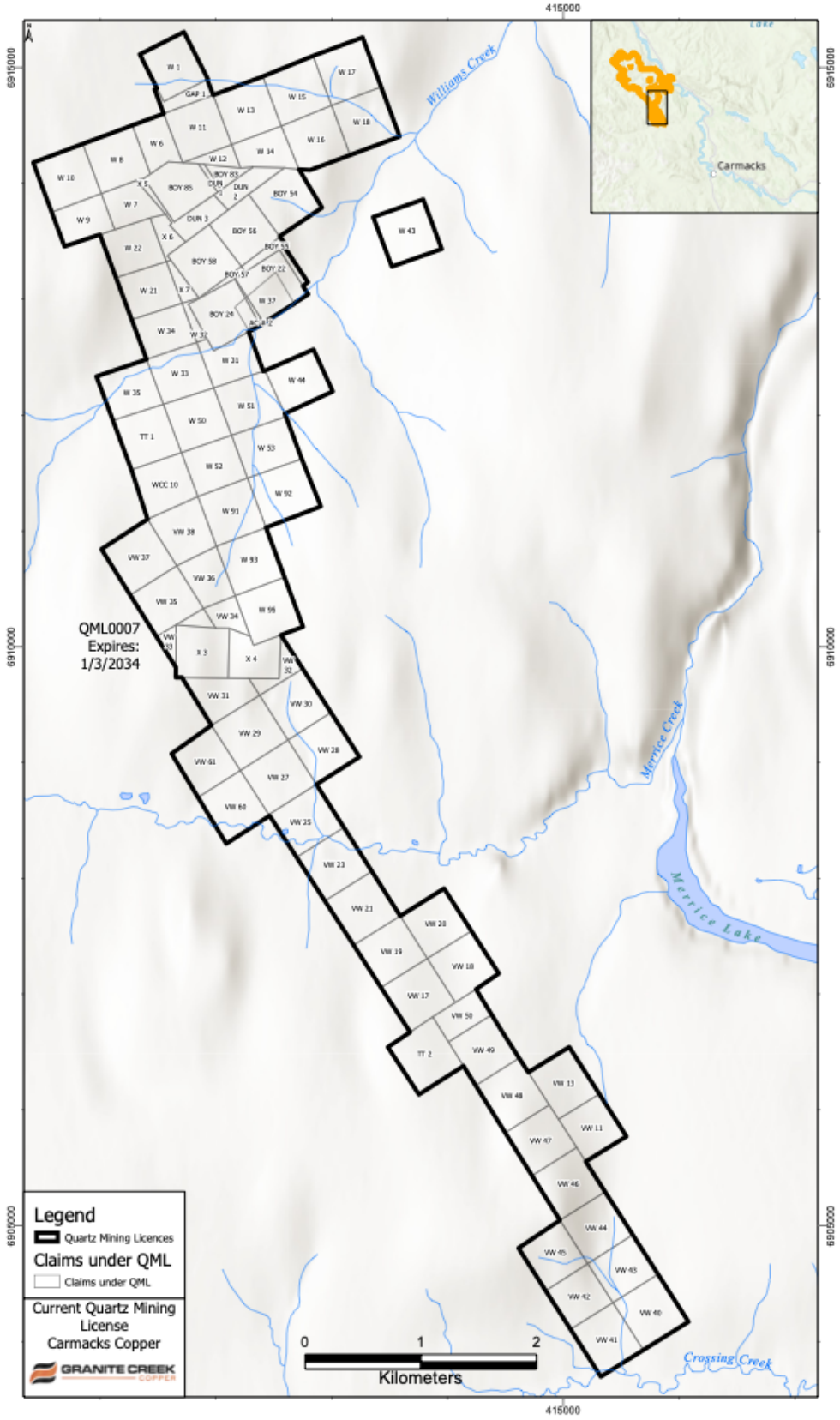
In May 2009, preliminary detailed reclamation and closure plans were submitted outlining associated mine closure activities. In May 2010, the Yukon Water Board denied the projects water license application which was subsequently appealed but upheld in the Supreme Court of Canada. In 2012, authorization of assignment of QML-0007 was issued and the license was transferred from Carmacks Copper Ltd. to Carmacks Mining Corp.

Due to the project never receiving a water license, mine development activities did not commence and in 2015 a request for extension of temporary closure was filed with YG. In 2020, a second request for extension of temporary closure was filed by Carmacks Mining Corp. In 2022, the QML was proposed to enter permanent closure – as no activities associated with mine development, have, or will occur.

1.2 Context of Updated Reclamation and Closure Plan

Granite Creek Copper acquired the project in late November 2020 and began discussions with YG-EMR's Major Mines branch on steps forward to enter a state of permanent closure on QML-0007. Discussions and assessment of Securities and current site conditions has been ongoing between Granite Creek Copper and YG to outline procedures associated with full closure of a mine site that has not been constructed. ***Table 2*** (page 9) summarizes planned mine development and operation activities, current status, reclamation, and monitoring details.

Figure 1. Carmacks Copper Project – Location & Tenure Map



1.3 Current Site Conditions

Schedule C of the License listed the proposed (2009) detailed reclamation and closure plan; however, this plan was written in anticipation of the project moving towards development and production, and as such was based on site conditions in 2008. These conditions are no longer representative of the current environmental site conditions. As such, on June 1st, 2022, GCX hosted representatives from LSCFN and YG-EMR's Major Mines Branch to tour the site to review current conditions and cumulative historic disturbances associated with activities held by previous ownership.

Figure 2 (following page) highlights disturbance activities and associated construction timelines as currently understood and summarized by GCX in evaluating the project over 2021-2022.

1.3.1 Trenching

At present, the largest contributor to cumulative disturbance on the QML is trenching. The bulk of historical hand and mechanized trenching occurred in two time periods: 1970-1972 (Dawson Range Joint Venture) and 1987-1992 (Archer, Cathro & Assoc., and Western Copper Holdings Ltd.).

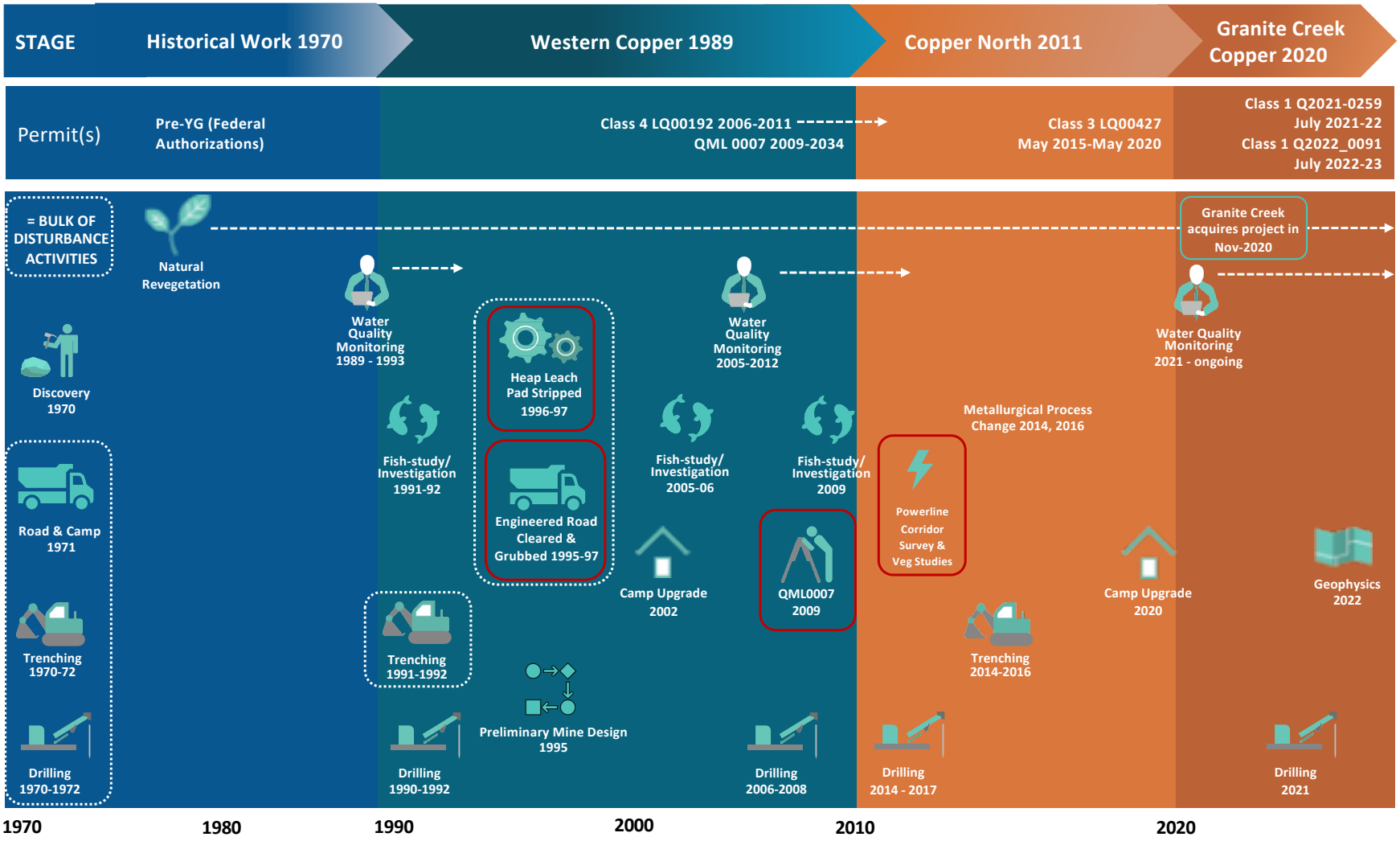
The Carmacks Copper prospect was originally staked in spring of 1970 and by late summer of 1970 the No. 1 Zone (AKA: "Main Showing") was explored with bulldozer trenching and limited drilling. By 1971 through to 1972, the project was explored via prospecting, soil sampling, ground geophysics (IP, EM and magnetometer), bulldozer trenching, road construction and drilling. During this time, a considerable amount of the historic trenches observed to date were originally developed.

In the early 1980's, Archer, Cathro & Associates acquired the property who conducted additional bulldozer trenching in 1987 and subsequently optioned to Western Copper in 1989. In 1989, Western Copper formed a joint venture with Thermal Exploration Ltd., began baseline environmental studies, staked additional claims and shipped two (2) composite bulk samples totalling 2,700 kg for metallurgical testing. In 1990-1992, extensive exploration consisting of drilling (37 holes), excavating twenty-two trenches (1,856 m); and 83.7 km of VLF-EM and magnetometer ground-based geophysical surveying was completed.

In 1992, the exploration program included 6.5 km of trenching, drilling (11 diamond and 11 percussion), baseline environmental studies and numerous engineering, geotechnical and metallurgical studies.

To date 132,637 m^3 of trenching have been identified in the QML area. Of this, ~31,997 m^3 has been reclaimed, leaving ~100,641 m^3 of un-reclaimed legacy trenches. ***Appendix I*** outlines the reclamation schedule for trenches identified by GCX in the QML area. After completing a cumulative disturbance analysis in 2021 and early 2022, GCX began implementing reclamation of historic trenches during the summer 2022 field season.

Figure 2. History of Disturbance Activities – Land Tenure Encompassed by QML-0007



1.3.2 Heap-Leach Pad & Access Road Construction

During the extensive exploration program conducted by Western Copper-Thermal Exploration (JV) during the 1991 season, stripping of one hectare (proposed heap leach pad) was completed at the south end of the No. 1 Zone (refer to ***Photo-plate 1***, below).

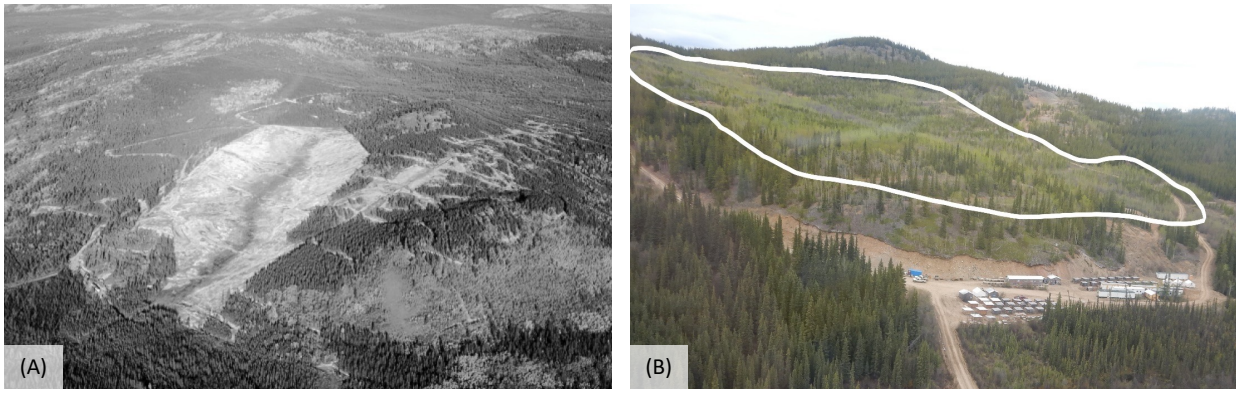


Photo-Plate 1. *(A) Preliminary construction of heap leach pad circa 1997; (B) Current state of the revegetated heap leach pad 2022; vegetation at present has re-grown to a height of over 3-meters.*

From September to December 1993, a 300-ton test heap leach (grading 1.36% copper) and pilot plant was operated and in the fall Wester Copper contracted Kilborn Engineering Pacific Ltd to carry out a mining feasibility study. In 1994 Western Copper began the permitting process and held preliminary economic development discussions with both the Yukon Territorial Government and the Little Salmon Carmacks First Nation. By September 1994, Kilborn Engineering returned a positive feasibility study and Western Copper announced their intentions to further the property toward production.

The bulk of access road construction occurred in the early days of the project. In 1991, 24.5 km road was constructed on the property. By 1997, Western Copper began clearing the proposed mine access road, leach pad and plant site and contracted Kilborn Engineering Pacific Ltd to carry out run-of-mine bulk sampling of the No. 1 Zone deposit. From 1997 on, the project activities largely comprised of geophysics, resource drilling, environmental studies, furthering feasibility studies and significantly less ground disturbance occurred.

In 2007, Western Copper released an updated resource estimate and by July 2008 received its Yukon Environmental and Socio-economic Assessment Board (YESAB) final Screening Report which recommended approval of the project subject to terms and conditions of the mitigative factors.

To date 116,616 m^2 of clearings have been identified in the QML area. Of this, ~1,497 m^2 has been reclaimed, leaving ~115,119 m^2 of un-reclaimed legacy clearings. ***Appendix I*** outlines the reclamation schedule for clearings identified by GCX in the QML area. After completing a cumulative disturbance analysis in 2021 and early 2022, GCX began reclamation of historic clearings during the 2022 summer field season.

1.3.3 Commencement of Powerline Corridor

The commencement of the roughing in of the powerline corridor is presently unknown. Activities associated with construction of this powerline appear to have been limited to clearing surface vegetation. This vegetation is largely regrown and today the roughed in powerline access is only visible in localized areas such as visible in ***Photo-plate 2*** below.

Photo-Plate 2. *Section of visible historic disturbance associated with initiated construction of the powerline corridor (which was never completed).*

1.3.4 Mine Access Road

A proposed 14.6 km alternative access route was proposed to the project site as part of the QML. This access route was proposed navigate entirely on claims and be located on more stable ground at higher elevations (*i.e.*, drier, less prone to muddy conditions). GCX has investigated the history and status of this access route which was cleared sometime between 1995 and 1998. Aerial surveying over the grubbed in route shows signs of natural revegetation (see ***Photo-plate 3***, below).

This access route is a far superior route to safely access the project, GCX is recommending this partly naturally revegetated access route not undergo further reclamation at this time.

Photo-Plate 3. *Section of grubbed Access Route.*

2. Closure Objectives

Mine closure is the entire process of winding down operations at a mine, including closure planning, decommissioning, reclamation, and ongoing monitoring of the mine site. Under the QML-0007, the Carmacks Copper project never developed into an active mine site.

Activities associated with commencing mine operations included development of an open pit; construction of a heap leach facility, waste rock storage area and sediment pond; mine infrastructure; mine access and haul roads. Development details pertaining to these activities are summarized in ***Table 2*** (following page). As a result of the mine never reaching development and operation, the following sections focus on reclamation measures for returning disrupted areas to productive habitat.

In addition, an acid rock drainage – metal leaching (ARD-ML) plan was never developed in accordance and in relation to mine development. As such, no ARD-ML related closure activities are required. However, GCX has developed a document summarizing steps to prevent metal leaching and acid rock drainage to be implemented moving forward for the project area which includes the QML-0007 area. It is crucial to note, no sulphide-bearing waste rock has been exposed or deposited at surface to initiate potential ARD-ML. This is evident in the average pH ranges observed via WQM from 1987 through to present time.

Despite mine development and production never occurring, ongoing site monitoring, including surface water quality sampling, has occurred throughout the quartz mining license history as part of best management practices. Compiled Water Quality Monitoring (WQM) results from 1987 – 2021 are summarized in ***Appendix II*** and are binned according to detection limits. Compiled WQM data illustrates that surface waters draining the project level have an average pH range of 7.6 - 8.09, illustrating no ARD or ML is currently impacting the local hydrology. This appendix is supplemented by a map summarizing average pH from water quality monitoring relative to ideal pH required for healthy aquatic life.

Table 2. Status & Reclamation Plans for activities included in original QML-0007 Mine-plan

Proposed Activity	Details from 2009 Reclamation & Closure Plan	Detail of Proposed Activity	Associated Development Activities	Current Status	Required Closure Activities	Monitoring & Planned Activity Details
(1) Open-pit development	Section 5.1 - pages 5-4 and 5-5	Development of a single open pit - removal of approximately 10.6 million tonnes of ore and up to 57.7 million tonnes of waste rock	None.	N/A - not constructed.	Reclamation of legacy disturbances within area encompassing proposed open-pit area (outlined in ***Appendix I***)	Continued surface water quality monitoring.
(2) Construction of heap-leach pad and associated facility	Section 5.2 - pages 5-5 through to 5-26	Construction of a 38.2 Ha pad for valley heap leach method which involves preparation and placement of the ore on engineered double composite liners on pad behind confined embankment. The heap leach was to be engineered to hold approximately 13.3 million tonnes of oxide copper ore.	None.	Pad cleared in 1993 (?) has naturally revegetated to >3m.	Reclamation of legacy disturbances within proposed heap-leach area (outlined in ***Appendix I***)	Continued monitoring of revegetation.
(3) Construction of (a) Waste Rock Storage area	Section 5.3 - 5.27 through to 5.30.	A design capacity of 60 million tonnes placed at 2.0 t/cubic meters; Annual waste rock production of approximately 7.5 million tonnes; Placement of waste material in 20 meter lifts with interim slopes at 1.4 or 1.5H:1V, by end dumping from the face of an advancing lift; and Material waste comprised of coarse, durable granodiorite and biotite gneiss rock types.	None.	N/A - not constructed.	None.	None.
(3) Construction of (b) Sediment Pond	Section 5.2 - pages 5-5 through to 5-26	The events pond was planned to have a capacity of approximately 160,000 cubic-meters (a roughly 2.7 ha footprint), while the sediment pond was to occupy an additional 0.8 ha.	None.	N/A - not constructed.	None.	None.
(4) Building Mine Infrastructure (a) processing plant & ancillary facilities	Section 5.4 - 5.30 through to 5.32.	Planned to include: Sulphur acid plant; Solvent extraction and electrowinning building; Water treatment plant; Diesel generator site; Diesel and kerosene storage area; Booster pump building and pumphouses/pipelines; and Plant site pad.	None.	N/A - not constructed.	None.	None.
4) Building Mine Infrastructure (b) Camp-related infrastructure	Section 5.5 - 5.32 and 5.33	Planned as a modular unit camp with accommodation, kitchen, dining and recreational facilities for 200 hourly employees, 35 supervisors and 22 managers.	None.	N/A - not constructed.	Mobile trailer camp and associated structure removal upon greater project-area closure.	None.
4) Building Mine Infrastructure (c) Truck-shop service complex & fuel storage	Section 5.6 - 5.33 through to 5.35	Planned construction on a bench of unmineralized pit waste material of simple insulated fabric covered structure on concrete foundations and concrete base slab; also fuel storage of two tanks 4.5 m x 4.5 m located in a bermed, lined secondary containment compound.	None.	N/A - not constructed.	None.	None.
4) Building Mine Infrastructure (c) Misc. sites & facilities	Section 5.7 - 5.35 and 5.36	Planned to include miscellaneous buildings and facilities associated with mine workings: Crushing plant and pad; Explosives storage; Solid waste facility; and Land treatment facility.	None.	N/A - not constructed.	None.	None.
(5) Development of (a) mine access road	Section 5.8.2.3 - 5.38 and 5.39	Planned establishment of new mine access road with control gates, an engineered bridge crossing Merrice Creek bridge, and numerous culverts as needed.	Surface vegetation cleared (grubbed).	Partially naturally revegetated.	See access-related reclamation implementation schedule (***Appendix I***).	Monitor culverts and bridges seasonally to ensure there are no blockage, erosion, or sedimentation.
(5) Development of (b) haul roads	Section 5.8 - 5.36 through to 5.38	Planned to include roads used for exploration, accessing the site and providing access between various facilities on-site will be reclaimed as necessary once their use is exhausted.	Vintage of developed roads unknown.	56.37 km of roads/trails developed on QML; 14.56 reclaimed; 41.81 active.		

3. Reclamation Measures

The goal of final mine site reclamation is to conserve and enhance biodiversity, protect the environment, and turn lands disturbed through exploration activities over to new and productive uses. Active site reclamation measures incorporate this mind-set into planning towards the final goal returning lands to healthy, balanced ecosystem function, while recognizing the site remains active and *may* one-day develop into a mine-site.

As QML-0007 was an active site permitted for mine activities but not brought forth into development (due to refusal of water license application), reclamation measures will address active exploration site conditions as they are found today with the goal of final site reclamation regardless of the potential project outcomes. A key component of working towards this goal is progressive annual reclamation of disturbed sites that are no longer required for use followed by adequate monitoring and, if required, maintenance. Steps of progressive reclamation and monitoring and maintenance are summarized in the following sections.

3.1 Reclamation Planning

Baseline environmental studies on the project and surrounding area began as early as 1990s (Knight Piesold, 1995), with water quality monitoring beginning as early as 1989. In 1995, preliminary mine design began and upon issuance of the quartz mining license, in May 2009, Western Copper Corp. presented its *Preliminary Detailed Closure and Reclamation Plan* (PDCRP). The PDCRP's closure philosophy was to implement an environmentally sound and technically feasible decommissioning and reclamation plan to ensure that a healthy environment existed after mine closure based on goals of sustainable development and social responsibility. The PDRCP focused closure and reclamation planning to reflect proposed mine activities including: the development of an open pit; heap leach pad and surrounding facility; waste rock storage and settling ponds; mine infrastructure – including processing plants and ancillary structures, a large modular unit camp, truck-shop, fuel storage, a crushing plant, solid waste and land treatment facilities; mine access and haul roads. The PDRCP was designed to present steps for closure of a mine-site; it did not cover reclamation steps of exploration-related disturbances[2] (trenches, clearings, and access roads/trails) in detail.

As the Carmacks mine did not come into development, the bulk of disturbance occurred under mining land use permits (*i.e.*, prior to the issuance of the quartz mining license), reclamation and closure activities outlined in the PDRCP largely do not apply. However, GCX has completed a cursory evaluation[3] of historic disturbances associated with exploration activities and has outlined methodology and steps which will be taken to ensure progressive, annual, reclamation of inactive disturbed sites occurring in the immediate future as part of QML-0007 closure. ***Appendix I*** summarizes the current levels of cumulative disturbance by type and proposed reclamation and monitoring schedule.

[2] See Sections 5.8.2.2 and 5.8.2.3 of 2009 PDRCP.
[3] Via drone and orthophoto imagery.

3.1.1 Surface Hydrology & Aquatic Species

The primary plan proposed for protection of surface waters, riparian and aquatic habitat, focus on the singular mitigation to avoid creating additional cumulative disturbances to these areas. Luckily, the majority of historic work activities occur at higher-elevations distal to surface waters.

On the QML there are 5 active water crossings. GCX will comply with the fish and fish habitat protection provisions of the Fisheries Act and DFO's '*Standards and codes of practice for projects located near waters*'. There are presently no fish inhabiting waters located proximal to existing crossings or related structures in the QML area. GCX also employs DFO's '*Interim code of practice: culvert maintenance'* and avoids disruption of surface materials by maintaining a 30m-buffer along watercourses. Annual inspection and monitoring are employed to maintain erosion and sediment control and observe potential signs of sedimentation.

Site specific data on fish and fish habitat values from Williams and Merrice Creek are largely taken from baseline environmental studies for fish and wildlife populations and ongoing water quality monitoring which commenced in 1991. Fish Studies on Williams and Nancy Lee Creeks have identified that salmon spawning does not occur on either creek (Harder Biophysical Report, 1993). During fish monitoring studies and sampling which have occurred in 1991, 1992, 2005, 2006 and 2009, NO fish have been observed or sampled in watercourses within the QML-area. Harder's 1993 Biophysical Report (and the subsequent fish monitoring and sampling studies) support the rationale that creeks draining the project area have poor substrate, low flow volumes, and temperatures too cool to be favourable for fish rearing and spawning. Approximately, 4.2 km to the northeast, where Williams Creek is in confluence with the Yukon River, a short (<1km) section of stream has been observed to be fish habitat. Here juvenile chinook salmon (*Oncorhynchus tshawytscha*), arctic grayling (*Thymallus arcticus*), slimy sculpins (*Cottus cognatus*), longnose suckers (*Catostomus catostomus*), burbot (*Lota lota*), and northern pike (*Esox lucius*) have been observed (caught).

Water quality monitoring began as early as 1989 on the project. In continuance with evaluating and monitoring potential impacts mineral-related activities have on the local water quality and could have on downstream aquatic species (fish, benthic communities *etc*.), GCX has continued to complete surface water quality monitoring. Please refer to ***Appendix II*** for Compiled Water Quality Monitoring Report. The 2022 water quality monitoring preliminary results report a pH range of 7.6 - 8.09, indicating there is no significant change to water quality nor acid-rock drainage/metal-leaching input on Williams Creek. These values fall within ideal pH-range for aquatic habitat (see map included in ***Appendix II***).

3.1.2 Soil & Vegetation

The Carmacks project is in the Boreal Cordillera Ecozone in the Yukon Plateau-Central Ecoregion (Smith *et al.*, 2004). The ecoregion lies just south of the Tintina Trench within the intermontane morphologic belt. The broad valleys that characterize the region were conduits for outwash during Cordilleran glaciations resulting in landscape primarily oriented south-southeast to north-northwest.

Paleosols ('*old*-soils') provide extensive geomorphological evidence of at least four Pleistocene glaciations. Further evidence of glaciation includes heavy colluvium cover, disrupted drainage patterns, stream capture, streamlined hills, outwash terraces and digitate margins corresponding to tongues of valley glaciers (Smith *et al.*, 2004). Sporadic discontinuous permafrost deposits are generally found in

valley bottoms; however, plateaus are too low in altitude to support alpine permafrost. Brunisols - which have B-horizons that have undergone only minor alterations from the parent material; Cryosols - occur in cold environments as permanently frozen soil; and Gleysols - water saturated mineral soil, are all common. All soils collected on the project are categorized and recorded upon sampling.

The Yukon Plateau-Central Ecoregion lies just northeast of the main rain shadow of the St. Elias-Coast mountains resulting in limited precipitation and frequent forest fires. As a result of diverse glacial landforms and frequent forest fires, the boreal zone within this ecoregion hosts a diverse array of plants. Thunderstorms along the Tintina Trench are common, resulting in forest stands that are generally less than 100 years old and are often comprised of lodgepole pine and trembling aspen at lower elevations.

Vegetation in the Yukon Plateau – Central Ecoregion is largely controlled by elevation. Below 1,200m ASL, vegetation is dominated by boreal forest; above 1,200m ASL is the sub-alpine zone with tree line division occurring at roughly 1,370m ASL. Sub-alpine stands are largely comprised of sub-alpine fir, white spruce and stunted lodgepole pine. Willow and shrub birch dominate at this altitude with undergrowth of mountain blueberry, with moister sites characterized by moss and lichen in drier sites.

Understanding local native flora populations and biodiversity is key to defining plant seed selection if reseeding is required and available for application. Native species are arguably the best-adapted plants for site conditions, and generally they require less maintenance and persist longer than non-local species and thus form self-sustaining plant communities. In addition, introducing non-native plant species has the potential to alter the natural ecosystem (and thus local wildlife). However, opposing revegetation studies are pointing out that most varieties of “native” plant species used in revegetation are actually cultivated far from the planting location; thus, these cultivars have the potential to introduce new, non-native genetics thus actually potentially reducing genetic contamination. Regardless, if re-seeding is required, seed selection and availability is the most significant factor controlling revegetation success.

3.1.3 Wildlife

This ecoregion supports various mammals including moderate densities of moose and woodland caribou (Aishihik, Tatchun, Klaza herds). Predators such as wolverine and grizzly bears are not as common as surrounding ecoregions (Smith *et al.*, 2004). However, the combination of relatively dry summers and frequent forest fires, results in consistently suitable habitat for snowshoe hare and its main predator, lynx. The introduced herds of wood bison and Hutshi Lake elk are growing along with rapidly expanding mule deer (due to milder winters) and, occasionally, their predator, the cougar is sighted. Additionally, the juxtaposition of suitable riparian areas and fire-induced willow and aspen stands supports large local beaver colonies (Slough and Jessup, 1984). The northeast border of the ecoregion includes part of the Tintina Trench, which is Yukon’s major bird migration corridor. Raptors (Bald and Golden Eagles, Peregrine falcons), shorebirds, swallow colonies, gulls, blackbirds and waterfowl are all common in the region.

Wildlife utilizing the Carmacks Project area have seen century-long, near continuous human activity. The Little Salmon Carmacks and Selkirk First Nation peoples and their ancestors have harvested animals and plants from the region for millennia and as a result have a deep-rooted knowledge of key habitats and movement of wildlife. In particular, moose and golden eagles have key seasonal ranges and the Tatchun woodland caribou herd may occupy the project area on a seasonal basis.

Consideration for the above mammal species while implementing the reclamation planning and executing reclamation measures is best served by adequate scoping of reclamation objectives and goals and aiming for final ecosystem habitat conditions most closely resembling the site if no development had occurred.

3.2 Reclamation Methodology

A key evaluation metric for reclamation success is returned biodiversity and revegetation of appropriate native plant species on a disturbed site. Reclamation methodology should also ensure landscape is returned as close as possible to conditions prior to disturbance activities to ensure the habitat remains supportive for common local animal species. Adequate reclamation planning should include revegetation objectives and goals to include long-term erosion control, maintaining and restoring thermal regimes to encourage return of permafrost (if present), mitigating for wildlife impacts, controlling invasive plants, and visual aesthetic considerations.

If reseeding of a site is required, seed selection is crucial to return ecosystem function, maintaining continuity in plant diversity, and supporting local wildlife. Tables 5.1 – 5.4 of the *Yukon Revegetation Manual* (2013) list preferred species selection for low-slope mid-elevation sites such as the topography underlying the QML area. Reclamation of historic disturbances associated with exploration and development activities underlying QML-0007 are summarized in ***Table 3***, below.

Table 3. Reclamation Steps & Methodology

Disrurbance Type	Reclamation Steps			
Trenches	(1) Backfilling of material removed (if possible, rock material first, overburden, and if available organic material).	(2) Re-sloping and contouring to obtain a slope to that of the original topography. Re-dressing with vegetative materials removed (if available).	(3) Installation of water-bars (as needed) to prevent erosion and surface runoff.	(4) Monitoring of revegetation success. If <20% ground cover, re-seed.
Clearings	(1) If required, backfilling of rock-soil material removed.	(2) Re-sloping and contouring to obtain a slope to that of the original topography. Re-dressing with vegetative materials removed (if available).	(3) Installation of water-bars (as needed) to prevent erosion and surface runoff.	(4) Monitoring of revegetation success. If <20% ground cover, re-seed.
Settling Ponds & Sumps	(1) If required, remove water barrier.	(2) Backfill of material removed (if possible, rock material first, overburden, and if available organic material).	(3) Re-sloping and contouring to obtain a slope to that of the original topography. Re-dressing with vegetative materials removed (if available).	(4) Monitoring of revegetation success. If <20% ground cover, re-seed.
Trails & Corridors	*Note:* the removal of the vegetative mat; therefore, erosion controls will not be needed.	(1) Remove any human-placed artefacts from trail (flagging, pickets, lumber *etc* .)	(2) If available, redress with vegetative material cut from the trail/corrdior.	(4) Monitoring of revegetation success. If <20% ground cover, re-seed.
Roads	(1) Removal of structures (culverts, temporary bridges) as needed.	(2) If required, backfill ditches, re-slope and re-contour to obtain a slope to that of the original topography.	(3) If available, redress with vegetative material. Re-seeding in areas as needed to prevent potential run-off.	(4) Berm entrance to road to ensure closure and monitor revegetation success. If <20% ground cover, re-seed.
Camps & Camp-related structures	(1) Tear-down and removal of structures.	(2) If required, backfill clearing(s), fill sumps/pit-privy's and re-slope and re-contour to obtain a slope to that of the original topography.	(3) If available, redress with vegetative material.	(4) Monitoring of revegetation success. If <20% ground cover, re-seed.

3.3 Post-Reclamation - Monitoring & Maintenance

Regardless of the project outcome, the goal of effective reclamation works towards the final goal returning lands to healthy, balanced, ecosystem function. Adequate reclamation scoping and planning is key to arriving at this goal. Native plant revegetation is a key metric in evaluating the success of reclamation efforts, and visual monitoring of revegetation allows for timely assessment of reclamation success.

Factors outside of human-control, such as the impacts of global arctic warming (permafrost melt, increased annual precipitation *etc*.) adds additional variables to predicted reclamation outcomes which should be factored into planning. In addition, an unusual natural event (such as forest fires or prolonged heavy rainfall) may alter the land users' ability to achieve effectively restored balanced ecosystem function and aesthetics on a strict timeline. Forecasting these potential challenges and developing post-reclamation monitoring and maintenance planning, ensures potential solutions are prepared if these challenges arise.

A key component of this is ongoing monitoring, which is used to document and track the object of interest and to outline next steps to implement mitigative measures. An example of this may be ongoing monitoring of environmental parameters such as reclaimed site stability and erosion to ensure adequate measures have been taken for effective native plant revegetation success.

The QML area is a low-slope (<40°), mid-elevation site. The *Yukon Revegetation Manual* (2013) characterizes these sites as generally uncomplicated with a high-success for revegetation and low-risk for erosion. However, as mentioned, environmental events such as escalation of annual snowfall may intensify seasonal run-off, increasing the potential risk of decreased slope stability and erosion in topographically steeper locations. If sites steeper than 40° are located during reclamation work, advanced erosion procedures should be implemented. Measures such as erosion control blankets or mulching may help provide additional slope stability in these cases; however, whenever possible retaining a gentler slope while recontouring typically mitigates potential for erosion and slumping.

Even with proper reclamation implementation, it is important to continue to monitor the site for at least two seasons. On flat or gently-sloping sites with a stable surface, a ground cover of 20 – 30% after the first season is usually adequate (Matheus and Omtzigt, 2013). Anything less than 20% of ground cover warrants added monitoring and a round of spot seeding (or overseeding) should be considered.

The proposed reclamation plan incorporates monitoring and maintenance scheduling for a period of 5+ years to ensure post-reclamation success is adequately evaluated and maintained (refer to ***Table 4***, following page) to arrive at the final goal of habitat conditions most closely resembling the site if no development had occurred

4. Timeline – Reclamation Activities

Upon acquiring the property in late November 2020, Granite Creek Copper began reviewing and compiling all known disturbances on the QML and wider land holdings comprising the project. This wholistic review of cumulative disturbance activities highlighted disturbances associated with, but ***pre-dating the 2009 QML-approval***, are limited to:

i. Exploration trenching (primarily 1970-1972 and 1987-1992);
ii. Access (road and trail) work (primarily 1970-1972 with additional construction over 1987-1992);
iii. Cleared and revegetated heap-leach pad (1996-1997);
iv. Grubbed and revegetated powerline corridor (Unknown, mid-late 2000s?);
v. Grubbed mine access road (1995-1997); and
vi. Upgraded Trailer camp (2002).

A proposed high-level reclamation implementation timeline for disturbances under the QML's land tenure is outlined below in ***Table 4*** (below). For GCX's full reclamation schedule and associated reclamation benchmarks, please refer to ***Appendix I***.

Table 4. Implementation Timeline – Reclamation

<table>
<tr><th rowspan="2">Activity</th><th colspan="5">Schedule - % of total disturbance reclaimed</th></tr>
<tr><th>2023-2025</th><th>2026-2028</th><th>2029-2031</th><th>2031-2033</th><th>2022-2033</th></tr>
<tr><td>Trenching - progressive reclamation of historic trenches</td><td>40%</td><td>40%</td><td>16%</td><td>5%</td><td rowspan="3">Post-Reclamation monitoring and maintenance</td></tr>
<tr><td>Clearings - progressive reclamation of historic clearings</td><td>59%</td><td>20%</td><td>15%</td><td>5%</td></tr>
<tr><td>Access - Progressive reclaimation of historically-developed access</td><td>46%</td><td>12%</td><td>20%</td><td>22%</td></tr>
<tr><td>Grubbed Heap-leach pad - monitoring</td><td colspan="3" rowspan="2">Post-Reclamation monitoring and maintenance</td><td colspan="2" rowspan="2"></td></tr>
<tr><td>Grubbed Powerline Corrdior - monitoring</td></tr>
</table>

4.1 Security

Closure and reclamation security in the amount of $80,300 has been posted with Yukon against the liability incurred as a result of exploration activities. A re-assessment based off of current site conditions was reviewed in 2021 and estimated expenditures for closure and reclamation were calculated to run roughly on-par to this posted amount (refer to ***Table 5***, following pages). Please note the reclamation and closure calculations do not include costs incurred by the proponent associated with:

a. To ensure a continual water quality monitoring dataset, GCX has continued ongoing water quality monitoring. This monitoring is estimated as $96,000-160,000/annually[4] for quarterly sampling and ~$30,000/year for annual sampling of surface sites.

b. Following evaluation and compilation of historic disturbances, GCX has begun reclamation of legacy trenches and access (trails/roads). Most recently, following cumulative disturbance compilation studies[5], GCX has reclaimed 850m^3 of trenches, 1,496.9m^2 of clearings and 0.34 km of access road/trail.

The initial security deposit as outlined in QML-0007 Approval Section 13.1.1.1, was revisited in 2021 by the proponent and YG to reflect the current site conditions and activities captured under this security calculation. GCX's updated calculations utilized equipment costs summarized in quotes obtained from the proponent's main equipment operator on the project. This plan is intended to be reviewed to establish the closure requirements and to review the financial security requirements for the site.

[4] This expenditure rate does not include helicopter costs associated with accessing sites not reachable by road.
[5] GCX has not obtained any from Compliance Monitoring & Inspections reports summarizing outstanding, cumulative, legacy disturbances or potential liabilities. Upon taking over the QML-0007 in November 2020, GCX agreed to compliance requirements (incl. reclamation) as outlined in the active QML; however, disturbances outside the QML, are considered legacy disturbances which may be progressively reclaimed in time but fall outside the scope of inherited regulatory requirements of the active QML area. These disturbances were captured in the previous Class III MLUP LQ00427, as a permitting requirement for approval (dated 22 May 2015), which was to be again inspected for adequate permit closure (expired May 2020). GCX did not acquire the project until November 2020, which post-dates these regulatory requirements and no outstanding non-compliance concerns were communicated to GCX prior to, or since, YG approved the quartz claim/lease tenure ownership transfer.

Table 5. Updated Security Calculations (part 1)

CARMACKS COPPER - QML0007
CLOSURE PLAN COST ESTIMATE

CAMP AREA			
(1) Remove salvageable materials	**Est. Hours**	**Rate/hr**	**Total**
General Labourer (per hr)	8	$ 60.00	$ 480.00
Trades Labourer	4	$ 110.00	$ 440.00
988B Loader	12	$ 150.00	$ 1,800.00
			$ 2,720.00
(2) Prepare trailers & remove from site	**Est. Hours**	**Rate/hr**	**Total**
General Labourer	8	$ 60.00	$ 480.00
Trades Labourer	4	$ 110.00	$ 440.00
Tractor Trailer - 7 trailers - 7 loads @ 10 hr/ea.	70	$ 185.00	$ 12,950.00
Tractor Trailer - 1 generator - 1 load @ 10 hr/ea.	10	$ 185.00	$ 1,850.00
			$ 15,720.00
(3) *Loading buildings & structures	**Est. Hours**	**Rate/hr**	**Total**
General Labourer	32	$ 60.00	$ 1,920.00
Trades Labourer	8	$ 110.00	$ 880.00
988B Loader	8	$ 150.00	$ 1,200.00
**Not dismantling trailers, just loading*			**$ 4,000.00**
(4) Fill Septic Tanks	**Est. Hours**	**Rate/hr**	**Total**
General Labourer	8	$ 60.00	$ 480.00
235 Excavator	4	$ 140.00	$ 560.00
			$ 1,040.00
(5) Decommission water supply system	**Est. Hours**	**Rate/hr**	**Total**
General Labourer	8	$ 60.00	$ 480.00
Trades Labourer	4	$ 110.00	$ 440.00
235 Excavator	4	$ 140.00	$ 560.00
			$ 1,480.00
(6) Decommission groundwater wells	**Est. Hours**	**Rate/hr**	**Total**
Water-wells to stay active for water-quality monitoring			
(7) Remove solid waste to landfill	**Est. Hours**	**Rate/hr**	**Total**
D250E Haul Truck	16	$ 200.00	$ 3,200.00
235 Excavator	4	$ 140.00	$ 560.00
			$ 3,760.00
(8) Haul fuel tanker offisite	**Est. Hours**	**Rate/hr**	**Total**
Tractor Trailer - 3 loads @ 10hr/ea.	30	$ 185.00	**$ 5,550.00**

Table 5. Updated Security Calculations (part 2)

(9) Recontour & scarify	**Est. Hours**	**Rate/hr**	**Total**
Grader	4	$ 165.00	**$ 660.00**
(10) Revegetate	**Est. Ha.**	**Rate/ha.**	**Total**
Revegetation cost per ha includes application cost	2	$ 2,260.00	**$ 4,520.00**
(11) Misc. materials & supplies	**Lump Sum**	**Rate**	**Total**
Misc.	1	$ 500.00	**$ 500.00**
(12) Project Management	**%**	**Subtotal**	**5% of Total**
5% of Total Cost	5	$ 39,950.00	**$ 1,997.50**
SUBTOTAL CAMP			**$ 41,947.50**
ROADS & TRAILS			
(13) Block trails to prevent vehicular access	**Est. Hours**	**Rate/hr**	**Total**
Bulldozer- CAT D6	16	$ 135.00	**$ 2,160.00**
(14) Scarify road surface	**Est. Hours**	**Rate/hr**	**Total**
16H grader	24	$ 165.00	**$ 3,960.00**
(15) Erosion Barriers	**Est. m2**	**Rate/m2**	**Total**
Per estimated m2	20	$ 3.00	**$ 60.00**
(16) Revegetate	**Est. Ha.**	**Rate/ha.**	**Total**
Revegetation cost per ha includes application cost	5	$ 2,260.00	**$ 11,300.00**
(17) Project Management	**%**	**Subtotal**	**5% of Total**
5% of Total Cost	5	$ 17,480.00	**$ 874.00**
SUBTOTAL ROADS & TRAILS			**$ 18,354.00**
HEAP LEACH PAD AREA			
(18) Recontour leach pad trenches	**Est. Hours**	**Rate/hr**	**Total**
Bulldozer- CAT D6	14	$ 135.00	$ 1,890.00
(19) Revegetate	**Est. Ha.**	**Rate/ha.**	**Total**
Revegetation cost per ha includes application cost	0.25	$ 2,260.00	$ 565.00
(Heap leach pad has naturally revegetated, incl. trench revegetation cost, est. 0.25 Ha-total area)			
(20) Project Management	**%**	**Subtotal**	**5% of Total**
5% of Total Cost	5	$ 2,455.00	**$ 122.75**
SUBTOTAL HEAP LEACH PAD AREA			**$ 2,577.75**

Table 5. Updated Security Calculations (part 3)

TRENCHES			
(21) Backfill	**Est. Hours**	**Rate/hr**	**Total**
235 Excavator	30	$ 140.00	$ 4,200.00
Bulldozer- CAT D6	16	$ 135.00	$ 2,160.00
			$ 6,360.00
(22) Revegetate	**Est. Ha.**	**Rate/ha.**	**Total**
Revegetation cost per ha includes application cost	1.5	$ 2,260.00	**$ 3,390.00**
(23) Project Management	**%**	**Subtotal**	**5% of Total**
5% of Total Cost	5	$ 9,750.00	**$ 487.50**
SUBTOTAL TRENCHES			**$ 10,237.50**
SUBTOTAL ALL			**$ 73,116.75**
10% CONTINGENCY			**$ 7,311.68**
RECLAMATION PROGRAM TOTAL ESTIMATED COST			**$ 80,428.43**

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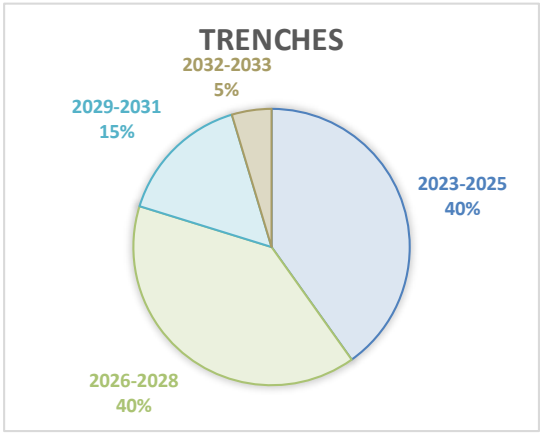
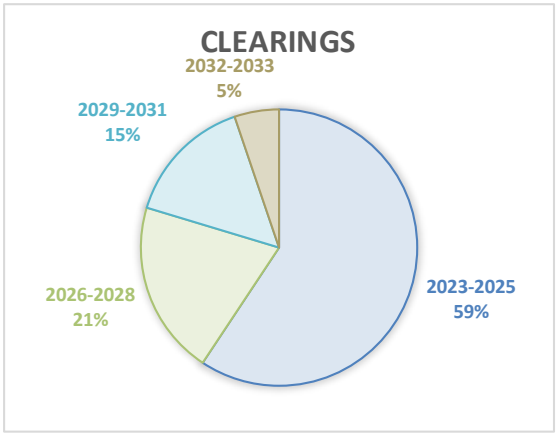
APPENDIX I – INACTIVE QML-0007 RECLAMATION SCHEDULE

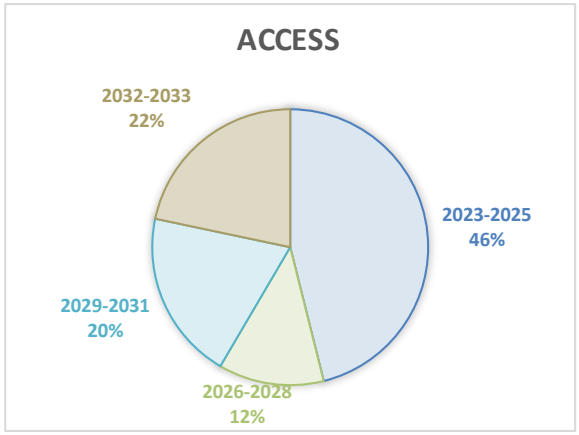
Appendix III - Reclamation Schedule of Cumulative Disturbances on QML0007

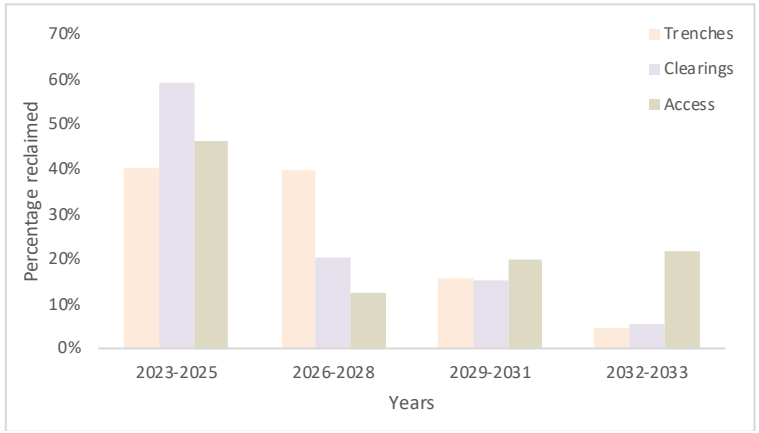
Type	Total Currently Disturbed	Area Reclaimed‡	Area Remaining	Areas (m or m^2) to Reclaim & Associated Timeline							
				2023-2025	2023-2025 %	2026-2028	2026-2028 %	2029-2031	2029-2031 %	2032-2033	2032-2033 %
Trenches (m^2)	132,637	31,997	100,641	40,413	40%	39,873	40%	15,685	16%	4,669	5%
Clearings (m^2)	116,616	1,497	115,119	68,290	59%	23,419	20%	17,415	15%	5,995	5%
Access (m)	67,139	11,823	55,316	25,498	46%	6,837	12%	10,986	20%	11,996	22%
Camp (m^2)	14,922	0	14,922	0	0%	0	0%	0	0%	14,922	100%

‡ Via heavy equipment, revegetation already occuring









APPENDIX II – COMPILED WATER QUALITY MONITORING (1987 – 2021)

CCME Guidelines Freshwater Aquatic Life (long term concentration)			
Element	**Concentration (mg/L)**	**Details**	**Year**
pH	between 6.5-9.0 pH units		1987
Dissolved Oxygen	between 5.5-9.5		1999
Ammonia	1.04-2.33		2001
Nitrate - Nitrogen	2.9		2012
Nitrite-Nitrogen	0.06		1987
Aluminum (total)	>0.1	>0.1 if if pH >/= to 6.5, below 6.5 >0.005	1987
Arsenic	>0.005		1997
Boron	>1.5		2009
Cadmium	range from 0.00004-0.00037	equation. Water hardness <17 mg/L, value is 0.00004; water hardness >280 mg/L, value is 0.00037; equation in between	2014
Chloride	120		2011
Chromium	0.001	hexavalent Cr(VI)	1997
Copper	range from 0.002-0.004	equation. Water hardness <82 mg/L the value is 0.002 mg/L. Hardness >180 mg/L the value is .004 mg/L. Between that range, equation.	1987
Iron	>0.3		1987
Lead	range from 0.001-0.007	equation. Water hardness <60 mg/L the value is 0.001 mg/L. Hardness >180 mg/L the value is 0.007 mg/L. Between that range, equation.	1987
Manganese	variable	equation	2019
Mercury	0.000026		2003
Molybdenum	0.073		1999
Nickel	range from 0.025-0.15	equation. >0.025 if hardness </= 60; >10.15 if hardness > 180; equation for in between	1987
pH	6.5-9.0		1987
Selenium	0.001		1987
Silver	0.00025		2015
Thallium	0.0008		1999
Uranium	0.015		2011
Zinc	0.03		2018

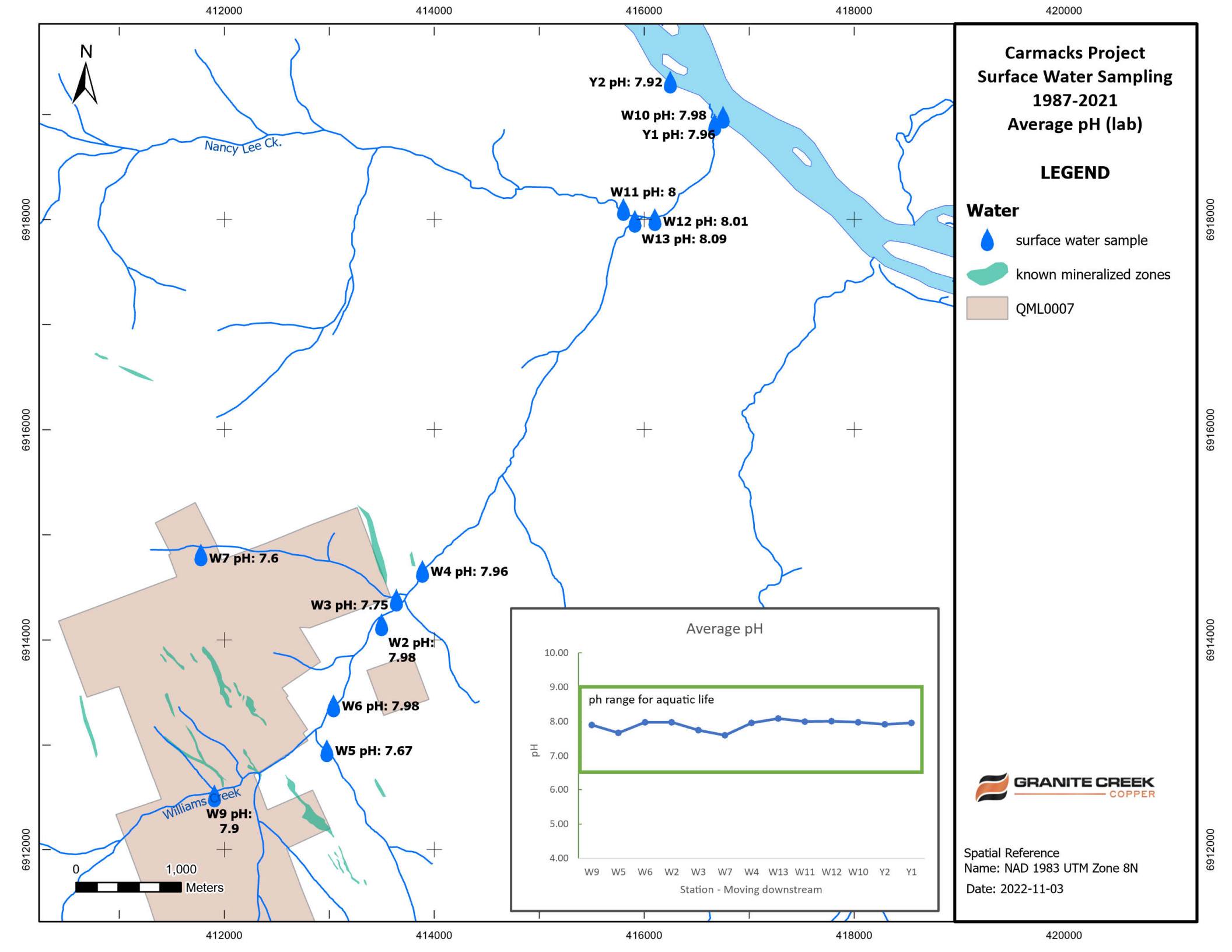
Notes:

(1) values highlighted in red on the surface water (streams) tab exceed current CCME Guidelines

(2) results from 1989 to 1997 entered from Table of Water Sampling in Volume 6 1-18-5B in Type A Water License Application Oct 2009

(3) results from 2005 to 2012 exported from Ensero database on October 26, 2022

(4) results from 2021 entered from lab certificate


412000
414000
416000
418000
420000
6918000
6916000
6914000
6912000
N
Nancy Lee Ck.
Y2 pH: 7.92
W10 pH: 7.98
Y1 pH: 7.96
W11 pH: 8
W12 pH: 8.01
W13 pH: 8.09
W7 pH: 7.6
W4 pH: 7.96
W3 pH: 7.75
W2 pH: 7.98
W6 pH: 7.98
W5 pH: 7.67
Williams Creek
W9 pH: 7.9
0
1,000
Meters
Average pH
10.00
9.00
8.00
7.00
6.00
5.00
4.00
pH
ph range for aquatic life
W9 W5 W6 W2 W3 W7 W4 W13 W11 W12 W10 Y2 Y1
Station - Moving downstream
Carmacks Project
Surface Water Sampling
1987-2021
Average pH (lab)
LEGEND
Water
surface water sample
known mineralized zones
QML0007
GRANITE CREEK COPPER
Spatial Reference
Name: NAD 1983 UTM Zone 8N
Date: 2022-11-03

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
MW96-A	Monitoring well, Proposed leach pad area	09-Jun-2006	2wells in pipe, sampled deeper one twice - waterra			62.09	67.35		56			25					19200			
		14-Jul-2006				62.14	62.14		1390			450					353			
		15-Aug-2006	Partially purged and sampled			62.43	90.4		2370		208.0	1050	7.68		422		372			
		14-Sep-2006				64.53			556		178.0	328	8.47		362		351			
		18-Oct-2006				62.65			70	200	185.0	41.5	7.81	8.23	371		328		8.72	
		20-Apr-2007	Frozen																	
		08-May-2007	No water; ice blocking bailer																	
		20-Jun-2007				55.6			132	182	191.0	17	8.1	8.11	374		301	4.7		
		26-Jul-2007				50.5			115	178	153.0	40	8.1	7.8	313		287	5.2		
		15-Aug-2007				48.2			20	196	149	7.8	7.25	8.01	310		293	6		
		11-Sep-2007				48.3			24	190	174	5.5	7.3	8.01	343		257	4.7		
		12-Oct-2007				59.2	91.3		85	180	153	11	7.3	8.04	307		288	0.5		
		15-May-2008	Depth is likely water above ice			7.18														
		04-Jun-2008				50.65	89.67													
		30-Jul-2008	Unable to grab sample with bailer			47.87														
		20-Aug-2008	Uailer unable to grab sample			61.35														
		03-Sep-2008	Unable to sample, possible ice plug			64.35	91.9													
		02-Oct-2008	Unable to sample			58														
		26-Nov-2008	Bailer down to 91 m, no water																	
		16-Oct-2009				55.87	91.6		29	240		18.2	8.21	8.2	79.1		483	1.1	8.23	58.22
		13-May-2010				56.90	91.40		51	270		30.5	7.24	8.3	241.4		439	2.1	7.54	61.6
		11-Jun-2010				57.80	91.80		54	250		21.2	7.76	8.2	263.9		432	3.2	6.5	50
		17-Aug-2010	No samples collected, bailer gets jammed part way down well.																	
		29-Jun-2011	Dipper T not functiong - no Water Levels aquired. Lost a bailer down in the well. Still able to get water after						42	210		21.2	8.36	8.12	233		391	2.6	9.12	77.4
		09-Aug-2012				55.5	91.3		41.4	220			7.52	8.13		408.6	377	2.8	10.4	78.3
		09-Jun-2006				42.22	92.43													
		14-Jul-2006				42.53	92.05		62			25					275			

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	Dissolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-A			150														<0.05				<0.06	<0.1	0.1		38.1	1.7	2.4
			128														0.5				0.11	24.2	23.6				
			129														<0.05				<0.06	2.6	0.03				
			126														<0.05				0.1	0.53	0.49				
	40.0		121	174	212	<6		<5	<5	1.6							<0.05	<0.005	0.82		0.09	0.11	0.04				
			157	167	204	<6		<5	<5	0.6						3.5	<0.05	<0.05	1		0.21	0.19	0.04		19.2	2.8	5
			154	162	198	<6		<5	5	0.6						3.5	<0.05	<0.05	1		0.15	0.06	0.06		36.9	2.6	2.8
			148	160	195	<6		<5	<5	0.7						3.1	<0.05	<0.05	1		0.14	<0.05	0.05		36.5	1.6	2.7
			140	163	199	<6		<5	<5	0.53						2.95	<0.05	<0.02	0.94		0.09	0.08	0.06		35	1.3	1.5
			147	149	182	<6		<5	<5	0.9						3.06	<0.05	<0.02	0.9		0.25	0.12	0.05		32.4	1.9	2.3
	98.7	179	248	200	250	<0.5	<0.5	<0.5		1.1		<0.0005		<0.0005	54	0.006	<0.005	1.38			0.01	<0.005			1.9	2.2
	75.8	176	168	180	230	<0.5	<0.5	<0.5	<5	0.7		<0.0005		<0.0005	56	<0.005	<0.005	0.81	0.93	0.13	0.009	<0.005		39.7	2.4	3.7
	344	150	153	180	220	<0.5	<0.5	<0.5	10	0.8		<0.0005		<0.0005	45	0.02	<0.005	0.85	0.92	0.07	0.051	0.008		37.1	2.4	1.9
	47.3	162	163	180	230	<0.5	<0.5	<0.5	5	2.6		0.001		0.0008	21	0.024	<0.005	0.98	1.21	0.23	0.104	0.012		42.5	2.9	3.2
	68.1		174	189	231	<0.50	<0.50	<0.50		1.7	0.34				12.1	<0.0050	<0.050	1.03							4.3	6.34
			142													<0.05				<0.06	0.1	0.1				

Sample classes included in query: M sample taken for other monitoring purposes

Station	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol...
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-A	2.55	<0.0002	0.0007	0.329	<0.0001	<0.0005	0.004	0.00009	46.7	0.0023	0.0007	0.005	1.7	0.0042	0.001	7.3	0.14		<0.001	
	1010	0.0011	0.176	30.5	0.038	0.001	0.092	0.0147	1290	1.14	0.355	1.14	1440	0.934	0.488	374	36.5		0.38	
	49.7	0.0006	0.0057	1.3	0.002	<0.001	0.01	0.00039	66	0.0309	0.013	0.02	41.1	0.0216	0.02	22.2	1.01		0.024	
	10.5	<0.0004	0.002	0.521	0.0002	<0.001	0.009	0.00011	41	0.0095	0.0024	0.006	7.8	0.0068	0.006	14	0.215		0.01	
	1.56	0.0003	0.0015	0.277	<0.0001	<0.0005	0.007	<0.00001	32.6	0.0013	0.0003	0.003	1.1	0.0015	0.005	11.7	0.045		0.012	
	1.39	<0.0002	0.0004	0.38	<0.0001	<0.0005	0.008	0.00005	41.4	0.0028	0.0004	0.007	0.9	0.0024	0.002	13.1	0.028	0.00002	<0.001	
	1.35	<0.0002	0.0007	0.388	<0.0001	<0.0005	0.006	0.00005	39.6	0.0064	0.0004	0.008	1.1	0.0038	0.002	12	0.039	<0.00002	<0.001	
	0.517	<0.0002	0.0003	0.336	<0.0001	<0.0005	0.008	0.00001	39.4	0.001	0.0002	0.002	0.3	0.0006	0.002	11.4	0.011	<0.00002	<0.001	
	0.724	<0.0002	0.0003	0.372	<0.0001	<0.0005	0.006	0.00003	38.1	0.0027	0.0003	0.016	0.6	0.0014	0.001	11.3	0.02	<0.00002	<0.001	
	1.41	0.0002	0.0008	0.344	<0.0001	<0.0005	0.006	0.00008	41.1	0.0064	0.0006	0.015	1.3	0.0062	0.002	11.7	0.045	<0.00001	<0.001	
	0.142	0.00065	0.00212	0.339	0.00002	0.00001	<0.05	0.000069	37.5	0.0006	0.000137	0.00319	0.196	0.00485	0.007	20.6	0.0183	<0.00001	0.0124	
	0.341	0.00091	0.00288	0.346	0.00003	0.000016	<0.05	0.000099	44.9	0.0012	0.000274	0.00521	0.521	0.00663	0.006	15.6	0.0393	<0.00001	0.0137	
	0.263	0.00089	0.00265	0.328	0.00003	0.000014	<0.05	0.000169	35.1	0.001	0.000229	0.0045	0.516	0.00603	0.0054	15.3	0.03		0.0121	
	0.229	0.00086	0.00223	0.328	0.00001	0.000012	<0.05	0.000124	35.6	0.001	0.000188	0.0126	0.339	0.00408	0.0037	17.8	0.0265	<0.00001	0.00707	
	1.56	<0.0002	0.0008	0.306	<0.0001	<0.0005	0.005	0.00006	50.6	0.0014	0.0005	0.004	1.4	0.0039	0.001	6.7	0.111		0.001	

Sample classes included in query: M sample taken for other monitoring purposes

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-A	0.001		1.3	0.001	9.05	<0.0001	3.5	0.182	2	<0.00005	0.002	0.108	<0.0005	0.006	0.016	<0.001	0.006	<0.0002	<0.0002	
	0.362		73.7	<0.0002	108	0.003	105	16.9	15.5	0.00079	0.037	60.8	0.0135	3.27	5.17	0.173	0.03	0.0006	0.002	
	0.014		7.5	<0.0004	44.4	<0.0002	45.3	2.21	6.7	0.0001	0.003	3.2	0.0035	0.109	0.16	0.01	0.034	0.0008	0.0008	
	0.0034		2.9	<0.0004	18.9	<0.0002	29	1.43	5.3	<0.0001	<0.002	0.343	0.0021	0.014	0.025	<0.002	0.018	0.0004	0.0006	
	0.0014		1.2	0.0004	7.46	<0.0001	27.4	1.03	4.3	<0.00005	<0.001	0.104	0.0021	0.0043	0.015	<0.001	<0.005	<0.0002	0.0014	
	0.0014	<0.02	1.1	0.0003	7.42	<0.0001	5.7	1.15	1.1	<0.00005	0.001	0.04	<0.0005	0.0038	0.026	<0.001	0.018	<0.0002	0.0002	
	0.0006	<0.02	1.1	<0.0002	6.24	0.0001	5.2	1.24	1.2	<0.00005	0.003	0.0585	<0.0005	0.0084	0.039	<0.001	0.009	<0.0002	0.0004	
	<0.0005	<0.02	1	<0.0002	6.17	<0.0001	4.7	1.14	1.1	<0.00005	0.002	0.0272	<0.0005	0.0032	0.011	<0.001	0.027	<0.0002	<0.0002	
	<0.0005	<0.02	1	0.0005	6.79	<0.0001	4.4	1.1	1	<0.00005	0.003	0.0395	<0.0005	0.0038	0.017	<0.001	0.029	0.0011	0.0002	
	0.0019	<0.02	1.1	<0.0002	5.83	0.0002	5.1	1.16	1.1	<0.00005	0.006	0.0462	<0.0005	0.0052	0.054	<0.001	0.053	0.0007	0.0002	
	0.00077	0.051	1.46	0.00116	4.7	0.000033	35.9	1.21	18	0.000004	0.0008	0.0049	0.00451	0.0014	0.0082	<0.0001	0.0068	0.00051	0.00142	
	0.00138	0.084	1.57	0.00107	5.32	0.000068	33.3	1.2	17	0.000008	0.00143	0.0126	0.00472	0.002	0.014	<0.0001	0.0073	0.00084	0.00241	
	0.0011		1.56	0.00092	5.06	0.000046	30.9	1.15	16	0.000005	0.00124	0.0078	0.00409	0.0019	0.0144	0.0001	0.0559	0.00082	0.00239	
	0.001		1.69	0.00046	5.33	0.000078	17	1.24	<10	0.000006	0.00062	0.0052	0.00239	0.0017	0.0219	<0.0001	0.0056	0.00078	0.00201	
																	0.00612	0.000851	0.00144	
	0.0018		1.2	0.0006	9.07	<0.0001	3.3	0.175	2	<0.00005	0.002	0.0664	<0.0005	0.0043	0.014	0.003	0.006	<0.0002	0.0002	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (	P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-A	0.268	<0.0001	<0.0005	0.002	0.00002	48.6	<0.0005	<0.0001	0.001	<0.01	<0.0001	<0.001	6.9	<0.005		<0.001	<0.0005		1	
	0.23	<0.0001	0.0007	0.007	<0.00001	30.9	<0.0005	<0.0001	<0.001	0.01	0.0001	0.004	12.4	0.015		0.017	0.0016		2.4	
	0.187	<0.0001	<0.0005	0.006	0.00002	31.7	<0.0005	<0.0001	<0.001	<0.01	0.0005	0.003	12	0.054		0.022	0.0013		2.1	
	0.194	<0.0001	<0.0005	0.006	<0.00001	31.4	0.0005	<0.0001	0.001	0.02	0.0003	0.004	11.6	0.035		0.013	0.0009		1.6	
	0.248	<0.0001	<0.0005	0.005	<0.00001	30.7	<0.0005	<0.0001	<0.001	<0.01	<0.0001	0.004	10.7	<0.005		0.011	0.0005		1.1	
	0.327	<0.0001	<0.0005	0.006	0.00002	42.5	0.0005	<0.0001	0.002	<0.01	0.0002	0.001	12.3	<0.005	<0.00002	<0.001	<0.0005		1	
	0.323	<0.0001	<0.0005	0.005	0.00002	41.6	0.0006	<0.0001	0.002	<0.01	0.0003	<0.001	12.1	<0.005	<0.00002	<0.001	<0.0005		1	
	0.322	<0.0001	<0.0005	0.005	<0.00001	39.9	<0.0005	0.0001	0.001	<0.01	<0.0001	<0.001	11.8	<0.005	<0.00002	<0.001	<0.0005		0.8	
	0.344	<0.0001	<0.0005	0.004	<0.00001	37.1	0.0007	0.0002	0.003	0.01	<0.0001	0.001	11.5	<0.005	<0.00002	<0.001	<0.0005		0.8	
	0.338	<0.0001	<0.0005	0.004	0.00003	39.8	0.0007	<0.0001	0.002	0.03	0.0003	0.001	11.6	<0.005	<0.00001	<0.001	0.0008		1	
	0.252	<0.00001	<0.000005	<0.05	0.000046	52.1	0.0003	0.000036	0.0017	0.007	0.000726	0.0056	28.7	0.00337	<0.00001	0.014	0.00048	0.023	2.32	
	0.305	<0.00001	<0.000005	<0.05	0.00004	41.9	0.0001	0.000028	0.00129	0.006	0.000172	0.0054	15.3	0.001	<0.00001	0.0136	0.00033	0.028	1.52	
	0.311	<0.00001	<0.000005	<0.05	0.000079	36.6	0.0003	0.000046	0.00185	0.086	0.000884	0.0051	15	0.0049		0.0128	0.00047		1.58	
	0.312	<0.00001	<0.000005	<0.05	0.000064	35.9	0.0002	0.00004	0.00514	0.008	0.000256	0.0036	17.9	0.00591		0.00722	0.00043		1.74	
	0.347	<0.000010	0.000005	<0.050	0.000037	35.9	0.00015	0.000041	0.00497	0.0077	0.000187	0.00317	20.6	0.00223	<0.000010	0.00494	0.000231	0.0238	1.95	
	0.262	<0.0001	0.0007	0.003	0.00041	45.2	0.0005	<0.0001	<0.001	<0.01	<0.0001	<0.001	6.9	<0.005		<0.001	<0.0005		0.8	

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-A	0.001	5.25	<0.0001	3.4	0.156	1.9	<0.00005	<0.001	<0.0005	<0.0005	0.002	0.002		1.12							
	0.0004	4.63	<0.0001	30.6	1.66	6.3	<0.00005	<0.001	0.0007	0.0024	0.001	<0.001		0.66							
	<0.0002	4.28	<0.0001	32.8	1.49	6.7	<0.00005	<0.001	<0.0005	0.0028	0.0008	0.002		0.68							
	<0.0002	4.09	<0.0001	28.2	1.34	5.2	<0.00005	<0.001	<0.0005	0.0021	0.001	0.002		0.74							
	<0.0002	4.6	<0.0001	29	0.884	4	<0.00005	<0.001	<0.0005	0.0016	0.0015	0.002		0.82							
	<0.0002	5.22	<0.0001	5.9	1.08	1.2	<0.00005	<0.001	0.0005	<0.0005	0.0025	0.014		1.01							
	<0.0002	5.42	<0.0001	5.6	1.09	1.4	<0.00005	<0.001	<0.0005	<0.0005	0.002	0.012		1.03							
	<0.0002	5.17	<0.0001	4.6	1.04	1.1	<0.00005	<0.001	0.0019	<0.0005	0.0026	0.004		1							
	0.0002	5.09	<0.0001	4.2	1.05	1	<0.00005	<0.001	0.0028	<0.0005	0.0022	0.01		0.94							
	<0.0002	5.26	<0.0001	4.2	0.99	1.5	<0.00005	<0.001	0.0033	<0.0005	0.0021	0.013		0.99							
	0.00126	5.8	<0.000005	30.2	1.73	22	<0.000002	0.00042	<0.0005	0.00387	0.001	0.0094	<0.0001	1.38	120	<0.00002	<0.00002	0.000008	0.000019		
	0.00105	4.82	<0.000005	32.9	1.16	16	0.000002	0.00021	<0.0005	0.00446	0.0013	0.0042	<0.0001	0.81		<0.00002	<0.00002	0.000005	0.000029		
	0.00098	5.2	<0.000005	30.8	1.19	18	<0.000002	0.0003	0.0012	0.00411	0.0016	0.0076	<0.0001	0.85							
	0.00045	5.07	<0.000005	17.1	1.26	<10	0.000003	0.00018	<0.0005	0.00227	0.0013	0.0178	<0.0001	0.98							
	0.000268	4.88	<0.0000050	12.5	1.36	<10	0.000003	0.00039	<0.00050	0.00136	0.001	0.00448	<0.00010	1.03	98						
	0.0009	5.35	<0.0001	2.8	0.172	2	<0.00005	<0.001	<0.0005	<0.0005	0.0015	0.003		1.2							

Sample classes included in query: M sample taken for other monitoring purposes

Station	, total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
MW96-A																				
																				21.5
																			FIELD	
																			FIELD	
																			FIELD	
																			FIELD	

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
MW96-B	Monitoring well, proposed leach pad area	15-Aug-2006	Partially purged and sampled			42.34	91.7		73		170	27.5	7.5		340		288			
		14-Sep-2006				42.14			49		155	20	8.3		308		288			
		18-Oct-2006				43.01	91.68		22	167	158	10.4	8.01	8.15	319		281		9.92	
		20-Apr-2007	Frozen																	
		08-May-2007				42.93	92.10		46	160	153	7.4	8.03	8.14	307		286			
		20-Jun-2007				43.55	92.6		72	190	166	7.8	8.10	8.1	321		297	10.5		
		26-Jul-2007				42.70	92.6		38	162	154	2.1	8.10	7.81	311		283	6		
		15-Aug-2007				43.52	92.2		30	192	157	2.5	7.2	8.02	311		296	7		
		11-Sep-2007	Attempted to sample with bailer that got lodged in well at 29.5 m			43.5														
		09-Jun-2006				40.4	51.8													
		14-Jul-2006	Dry				51.34													
		15-Aug-2006	Partially purged and sampled			42.06	50.78		92		287	37	7.25		575		499	9.5		
		14-Sep-2006				40.45	50.00		82		255	36	8.01		515		498			
		19-Oct-2006	No in-situ data			42.64	51.35		95	293	262	53	7.73	8.14	510		497		14.35	
		20-Apr-2007	Frozen																	
		09-May-2007	sample from thawed ice in waterra			41.08			132	300	246	44	7.74	7.89	494		514		8.41	
		20-Jun-2007				41.3	49.75		136	322	292	5.8	8.1	7.97	582		512	4		
		26-Jul-2007	Dry				49.7													
		15-Aug-2007				41.4			58	308	286	10	7.3	7.86	536		516	9.5		
		11-Sep-2007	In-situ: no depth recorded			41.4			18	358	293	7.8	7.44	7.8	703		473	3.5		
		12-Oct-2007	Dipper tape not functioning; tape is wet at 19.5 m; waterra has slush in it and not picking up water - brought inside overnight to thaw; reattempt to sample unsuccessful - foot valve sticking			19.5	51.3													
		15-May-2008				41.17														
		04-Jun-2008	Missing foot valve, no sample			40.96	49.96													
		30-Jul-2008				40.98			94	306	578	8.8	7.49	7.88	115		449	7	10.3	88.8
		20-Aug-2008	Depth measurments not collected						39	352		5	7.33	7.86	430		475	4.5	6.69	69.1

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	Dissolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-B			145														<0.05				<0.06	0.1	0.04				
			144														<0.05				1.51	<0.05	0.07				
	31		137	150	183	<6		<5	<5	0.9							<0.05	<0.005	1.04		<0.06	0.12	0.03				
			147	145	176	<6		<5	10	1.2						6.3	<0.05	<0.05	1		<0.06	<0.05	0.04		36	2.2	2.9
			155	156	191	<6		<5	<5	0.9						6.2	<0.05	<0.05	1		0.33	0.12	0.04		13.5	2.9	5.4
			157	154	187	<6		<5	10	0.9						6.4	<0.05	<0.05	1.1		0.13	<0.05	0.06		35.9	2.1	2.7
			150	155	189	<6		<5	<5	1.1						6.3	<0.05	<0.05	1		<0.06	0.06	0.06		35.6	1.7	2.4
			259														<0.05				<0.06	0.5	0.05				
			251														<0.05				<0.06	8.4	0.26				
	391		246	233	284	<6		<5	<5	11.3							<0.05	<0.005	0.85		<0.06	0.12	0.05				
			256	231	282	<6		<5	10	9						27.9	<0.05	<0.05	0.8		0.11	0.41	0.06		59.7	2.3	2.5
			278	249	303	<6		<5	<5	12						26	<0.05	<0.05	0.8		0.27	0.1	0.05		22	3.2	8
			257	242	295	<6		<5	<5	14						29	<0.05	<0.05	0.9		<0.06	0.07	0.08		54.1	2	2.7
			254	245	299	<6		<5	<5	21.2						28	<0.05	<0.02	0.99		0.75	0.11	0.08		51.2	2	1.8
			258	211	260	<6		<5	<5	21.3						24.6	<0.05	<0.01	0.95		0.08	0.06	0.07		30.5	2.5	2.5
			237	208	250	<6		<5	<5	21.8						25.3	<0.05	<0.01	0.94		0.22	0.12	0.06		43.6	3.8	5.4

Sample classes included in query: M sample taken for other monitoring purposes

Station	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol...
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-B	1.66	<0.0004	0.0005	0.307	<0.0002	<0.001	0.005	0.00003	46.7	0.002	0.0006	0.003	1.1	0.0026	<0.002	6.8	0.056			<0.002
	0.938	<0.0004	<0.0004	0.295	<0.0002	<0.001	0.005	<0.00002	46.6	0.001	0.0002	<0.002	0.6	0.0021	<0.002	6.7	0.043			<0.002
	4.52	0.0003	0.001	0.339	0.0001	<0.0005	0.004	0.0001	50.9	0.0046	0.0014	0.01	3.6	0.0075	0.002	8.3	0.175			<0.001
	1.34	<0.0004	0.0005	0.295	<0.0002	<0.001	0.006	0.00006	49.6	0.005	0.0004	0.006	1	0.0045	<0.002	7.8	0.045	<0.0001		<0.002
	1.73	<0.0002	0.0006	0.317	<0.0001	<0.0005	0.006	0.00006	51.8	0.0048	0.0008	0.012	1.4	0.0058	0.001	8.2	0.068	<0.00002		<0.001
	1.77	<0.0002	0.0006	0.321	<0.0001	<0.0005	0.004	0.00003	47.7	0.0048	0.0005	0.007	1.4	0.0036	0.001	7.1	0.052	<0.00002		<0.001
	2.37	<0.0002	0.0006	0.321	<0.0001	<0.0005	0.007	0.00003	48.3	0.0042	0.0007	0.006	1.7	0.0023	0.002	7.2	0.043	<0.00002		<0.001
	12.7	0.002	0.0024	0.38	0.0005	<0.001	0.01	0.00021	154	0.0099	0.0063	0.09	15.7	0.0083	0.006	19	0.38			0.026
	114	0.0053	0.0348	2.77	0.0034	<0.001	0.024	0.00168	1590	0.0727	0.0549	0.82	117	0.0602	0.048	68.9	3.97			0.043
	1.93	0.0002	0.0005	0.144	<0.0001	<0.0005	0.01	<0.00001	83	0.0027	0.001	0.016	2.2	0.0021	0.002	17.4	0.086			0.024
	9.07	<0.0004	0.0009	0.304	0.0003	<0.001	0.01	0.00006	87	0.0066	0.0039	0.02	9.7	0.0054	0.006	20	0.324	<0.0001		0.024
	2.07	0.0003	0.0007	0.156	<0.0001	<0.0005	0.013	0.00011	239	0.008	0.0012	0.033	9.4	0.0074	0.002	99.5	2.35	0.00002		0.024
	0.83	<0.0004	<0.0004	0.12	<0.0002	<0.001	0.01	0.00004	76.3	0.0025	0.001	0.003	0.7	0.0009	<0.002	16	0.022	<0.00002		0.025
	2.41	<0.0002	0.0003	0.154	<0.0001	<0.0005	0.012	<0.00001	76.3	0.0043	0.0011	0.005	2.4	0.0014	0.002	16.3	0.068	<0.00002		0.024
	0.32	<0.0002	0.0003	0.109	<0.00004		0.008	<0.00008	74.9	0.0022	0.00029	0.002	0.47	0.0008	0.001	15.3	0.017	<0.00001		0.024
	2.22	<0.0002	0.0006	0.148	0.00008		0.007	0.00004	73.6	0.004	0.00117	0.005	2.69	0.0028	0.002	15	0.0967	0.00001		0.0236

Sample classes included in query: M sample taken for other monitoring purposes

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-B	<0.001		1.1	0.0009	8.38	<0.0002	3.2	0.17	2	<0.0001	<0.002	0.0742	<0.001	0.0046	0.01	<0.002	0.006	<0.0002	<0.0002	
	<0.001		1	0.0007	6.31	<0.0002	3.1	0.16	2	<0.0001	<0.002	0.0286	<0.001	0.0032	0.01	<0.002	0.007	<0.0002	<0.0002	
	0.0042		1.6	0.0007	10.7	<0.0001	3.7	0.21	1.9	<0.00005	0.003	0.224	<0.0005	0.0106	0.031	<0.001	0.007	<0.0002	<0.0002	
	0.001	0.02	1	0.0009	8.02	0.0002	3.2	0.18	2.1	<0.0001	<0.002	0.0468	<0.001	0.0039	0.023	<0.002	0.009	<0.0002	<0.0002	
	0.0023	<0.02	1.5	0.0008	8.27	0.0002	4.2	0.2	2.1	<0.00005	0.002	0.073	<0.0005	0.0057	0.039	<0.001	0.01	<0.0002	<0.0002	
	<0.0005	<0.02	1.2	0.0008	7.91	0.0002	3.8	0.199	2.1	<0.00005	0.002	0.097	<0.0005	0.0053	0.014	<0.001	0.008	<0.0002	<0.0002	
	0.0016	<0.02	1.2	0.0005	7.19	<0.0001	3.9	0.189	2.2	<0.00005	0.002	0.127	<0.0005	0.007	0.015	<0.001	0.01	<0.0002	<0.0002	
	0.0088		2.6	0.0027	27.5	0.0026	9.6	1.06	8.6	<0.0001	0.004	0.935	0.0027	0.0407	0.15	0.01	0.008	<0.0002	0.0002	
	0.0744		8	0.002	66.7	0.001	14	6.39	11	0.0002	0.024	6.86	0.01	0.269	1.56	0.076	0.011	<0.0002	0.0004	
	0.0032		1.5	0.003	10.3	<0.0001	8.6	0.7	8.8	<0.00005	0.002	0.128	0.0023	0.0079	0.03	0.001	<0.005	<0.0002	<0.0002	
	0.0088	<0.02	2.4	0.0035	19.3	<0.0002	9	0.738	9.1	<0.0001	<0.002	0.611	0.0023	0.0295	0.056	0.003	0.011	<0.0002	0.0004	
	0.0036	<0.02	266	0.0033	24.6	0.0001	248	0.707	48.8	<0.00005	0.005	0.112	0.0023	0.0078	0.088	0.001	0.034	<0.0002	0.0003	
	<0.001	<0.02	1	0.0034	8.8	<0.0002	9.4	0.702	8.4	<0.0001	<0.002	0.0549	0.002	0.0045	0.01	<0.002	<0.005	<0.0002	0.0004	
	0.001	<0.02	1.7	0.0032	11.8	<0.0001	8.6	0.724	7.8	<0.00005	<0.001	0.201	0.0022	0.0103	0.019	0.001	0.013	0.001	0.0003	
	0.002	0.05	1.27	0.0018	7.04	<0.00001	8.7	0.643		<0.00001	<0.0001	0.0183	0.0017	0.0028	0.008	<0.0001	<0.01	0.0005	<0.0002	
	0.007	0.14	1.48	0.0006	11.2	<0.00001	8.3	0.626		<0.00001	0.0013	0.0935	0.0019	0.00809	0.014	0.0007	0.016	0.0006	<0.0002	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (	P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-B	0.274	<0.0001	<0.0005	0.003	<0.00001	46.8	0.0013	<0.0001	<0.001	<0.01	<0.0001	<0.001	6.7	<0.005		<0.001	<0.0005		0.8	
	0.253	<0.0001	<0.0005	0.003	<0.00001	46.6	0.0005	<0.0001	<0.001	0.02	0.0001	<0.001	6.7	<0.005		<0.001	<0.0005		0.8	
	0.263	<0.0001	<0.0005	<0.002	<0.00001	44.4	<0.0005	<0.0001	0.001	<0.01	<0.0001	<0.001	6.4	<0.005		<0.001	<0.0005		0.9	
	0.266	<0.0001	<0.0005	0.003	0.00002	47.9	0.0011	<0.0001	0.001	0.01	0.0002	<0.001	6.7	<0.005	<0.0001	<0.001	<0.0005		0.8	
	0.269	<0.0001	<0.0005	0.003	<0.00001	50.5	0.0006	<0.0001	0.001	0.03	<0.0001	<0.001	7	<0.005	<0.00002	<0.001	<0.0005		0.9	
	0.267	<0.0001	<0.0005	0.002	<0.00001	51	<0.0005	<0.0001	<0.001	<0.01	<0.0001	<0.001	7.2	<0.005	<0.00002	<0.001	<0.0005		0.9	
	0.265	<0.0001	<0.0005	0.006	0.00001	48.4	0.0008	0.0003	0.001	<0.01	0.0002	<0.001	7	<0.005	<0.00002	<0.001	<0.0005		0.9	
	0.11	<0.0001	<0.0005	0.01	0.00003	77.3	0.0016	<0.0001	<0.001	<0.01	0.0004	0.001	16.1	<0.005		0.024	<0.0005		1.2	
	0.096	<0.0001	<0.0005	0.01	0.00001	74.3	0.0016	<0.0001	0.002	0.01	0.0001	0.002	15.9	0.008		0.026	<0.0005		1.2	
	0.103	<0.0001	<0.0005	0.008	<0.00001	72.9	0.0014	<0.0001	<0.001	<0.01	<0.0001	<0.001	15.6	<0.005		0.023	<0.0005		1.3	
	0.105	<0.0001	<0.0005	0.01	0.00001	76.8	0.003	<0.0001	0.004	<0.01	<0.0001	<0.001	15.7	<0.005	<0.0001	0.022	0.0029		1.3	
	0.113	<0.0001	<0.0005	0.01	0.00002	84.5	0.0024	<0.0001	0.006	0.02	0.0002	<0.001	16.4	<0.005	<0.00002	0.023	<0.0005		1.4	
	0.106	<0.0001	<0.0005	0.008	<0.00001	76.4	0.002	<0.0001	<0.001	<0.01	<0.0001	<0.001	16.1	<0.005	<0.00002	0.019	<0.0005		1.2	
	0.109	<0.0001	<0.0005	0.009	<0.00001	74.7	0.0028	0.0002	<0.001	<0.01	<0.0001	0.001	16.4	<0.005	<0.00002	0.025	0.0008		1.2	
	0.103	<0.00004		0.006	<0.00008		0.0012	0.00006	<0.001	<0.01	<0.0001	<0.001		0.001	<0.00001	0.0251	<0.001	<0.01	1.31		
	0.095	<0.00004		0.007	<0.00001		0.0016	0.00007	<0.001	0.01	0.0001	<0.001		0.0012	<0.00001	0.0248	<0.001	<0.01	1.22		

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-B	0.0009	5.09	<0.0001	3	0.152	2	<0.00005	<0.001	<0.0005	<0.0005	0.0019	0.004		1.08							
	0.0008	4.9	<0.0001	3.2	0.156	1.8	<0.00005	<0.001	<0.0005	<0.0005	0.0022	0.004		0.92							
	0.0005	4.74	<0.0001	2.9	0.15	1.9	<0.00005	<0.001	<0.0005	<0.0005	0.0015	0.002		1.04							
	0.0009	5.06	<0.0001	3	0.166	2	<0.00005	<0.001	0.0008	<0.0005	0.0027	0.009		1.05							
	0.0008	5.2	<0.0001	3.7	0.17	2.1	<0.00005	<0.001	0.0006	<0.0005	0.0024	0.006		1.04							
	0.0008	5.49	<0.0001	4.1	0.168	2.4	<0.00005	<0.001	0.0006	<0.0005	0.0016	0.007		1.08							
	0.0006	5.2	<0.0001	3.6	0.168	2.2	<0.00005	<0.001	0.0006	<0.0005	0.0024	0.008		1.08							
	0.0034	7.23	<0.0001	8.9	0.611	8.3	<0.00005	<0.001	<0.0005	0.0021	0.0024	0.006		0.83							
	0.0031	6.87	<0.0001	11.8	0.596	9.2	<0.00005	<0.001	0.0009	0.0022	0.0029	0.005		0.63							
	0.0027	6.73	<0.0001	8.7	0.576	8.4	<0.00005	<0.001	0.0008	0.0015	0.0025	0.002		0.85							
	0.0034	7.05	<0.0001	8.5	0.658	9.1	<0.00005	<0.001	0.0012	0.002	0.0035	0.014		0.85							
	0.0036	7.24	<0.0001	9	0.67	9.1	<0.00005	0.001	0.002	0.0021	0.0032	0.038		0.87							
	0.0039	7.03	<0.0001	8.7	0.632	8.5	<0.00005	<0.001	0.0006	0.0017	0.0032	0.004		0.93							
	0.0032	7.09	<0.0001	9	0.739	8.1	<0.00005	<0.001	<0.0005	0.002	0.0021	0.006		1.06							
	0.0018	6.69	<0.00001	8.82	0.668		<0.00001	<0.0001	0.0009	0.0018	0.00181	0.003	<0.0001	0.96		<0.0001	<0.0001	<0.0001	<0.0001		
	0.0022	6.86	<0.00001	8.07	0.606		<0.00001	<0.0001	0.0016	0.0015	0.00194	0.003	<0.0001	0.98		<0.0001	<0.0001	<0.0001	<0.0001		

Sample classes included in query: M sample taken for other monitoring purposes

Station	, total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
MW96-B																				
																				21.6
																				21.8

GROUNDWATER - WELLS

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
MW96-C	Monitoring well, proposed leach pad area	03-Sep-2008				41.14	50.22		81	338	266	7.1	6.98	7.9	537		462	7.9	9.74	88.8
		01-Oct-2008				51.08			56	292	239	14	7.72	8.14	482		436	5.7	11.6	91.6
		26-Nov-2008	Waterra frozen																	
		21-May-2009	Only In-situ data is depth to water			39.48	50.90		59	270		16.2		8.2			462			
		12-Jul-2009	Waterra tubing or ball not functioning			38.57	51.16													
		16-Oct-2009	Repairs to well results in sed in water; no samples			47.93	50.90													
		13-May-2010				38.27	50.80		75	250		17.1	7.8	8.1	242.2		432	2.9	9.61	78.2
		11-Jun-2010	No water samples collected. Well determined to be blocked by ice at a depth of 11.40 m.			10.83	11.40													
		17-Aug-2010	No water samples collected. The water level in the well was extremely low, resulting in the bailer disturbing well bottom. Water samples drawn from the well were therefore too dirty and anomalous to collect and analyze accurately.																	
		29-Jun-2011	Dipper T not functiong - no Water Levels aquired. Only 3 samples aquired - no recharge										7.73		325			3.3	13.64	116
		07-Sep-2011	All parameters weren't collected, limited amt of H20			10.6						3530	7.4	8.22		950	939	2.3	9.05	68.7
		09-Aug-2012	Ran out of water, possible this is just event water from recent rain. well appears to be blocked at about 10 m by sand/earth.			10.65	11.87		774	488			7.26	7.94		848.7	795	2.9	9.28	70
		09-Jun-2006	Dry. Well depth is 10.44 m when drilled depth is 41.1 m.				10.44													
		14-Jul-2006	Dry				10.5													

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	issolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			256	204	250	<6		<5	<5	19.5						25.3	<0.05	<0.01	0.91		0.22	0.1	0.11		48.7	2.5	2.7
			215	158	190	<6		<5	9	10.4						32.2	<0.05	<0.01	0.78		<0.06	0.06	0.07	<0.05	46.4	2.1	3.9
MW96-C		224	231	190	230	<0.5	<0.5	<0.5	<5	15		<0.0005		0.0005		28	0.05	0.006	0.87	1.05	0.18	0.039	0.009		39.4	2.5	2.6
	57.8	234	221	180	220	<0.5	<0.5	<0.5	<5	7		<0.0005		<0.0005		41	<0.005	0.007	0.75	0.86	0.1	0.01	<0.005		37.1	2.1	3.7
	35.1	694								3.1						74	0.61	0.05	3.6	5.9	2.3	2.99	0.019		90.5		18
	-43.4	535	490	420	520	<0.5	<0.5	<0.5	300	3.1		<0.005		<0.005		79	0.33	0.087	2.8	5.2	2.3	0.88	0.094		110	16.1	14
	105.3		416	388	473	<0.50	<0.50	<0.50		1.8	0.12					60.2	0.048	<0.050	2.65							7.17	7.73

Sample classes included in query: M sample taken for other monitoring purposes

Station	on	rganic Carbon	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-C	1.62		<0.0002	0.0008	0.134	<0.00004		0.006	0.00009	78.6	0.0042	0.00082	0.006	2.48	0.0025	0.002	16.1	0.062	<0.00001	0.0249		
	2.11		<0.0002	0.0006	0.127	<0.0001	<0.0005	0.011	0.00007	66.2	0.0039	0.0008	0.005	1.82	0.003	0.002	14	0.057	<0.00001	0.031		
	0.266		0.00018	0.00028	0.0926	0.00003	0.000009	<0.05	0.00218	66.6	0.0016	0.000274	0.00483	0.306	0.00296	0.0012	13.9	0.0234	<0.00001	0.0306		
	0.661		0.00025	0.00062	0.0973	0.00003	0.00001	<0.05	0.000085	71.7	0.0019	0.00048	0.00539	0.928	0.00196	0.0012	13.4	0.0253	<0.00001	0.0375		
	33.4		0.0024	0.0198	0.648	0.00112	0.0004	<0.3	0.00139	185	0.085	0.0211	0.121	60.3	0.0401	0.025	56	1.89	0.00008	0.0084		
	20.1		0.0014	0.0115	0.44	0.00071	0.0002	<0.3	0.00064	140	0.048	0.0121	0.063	34.2	0.0218	0.016	45	0.788	<0.00005	0.0046		

Sample classes included in query: M sample taken for other monitoring purposes

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-C	<0.001	0.11	1.6	0.0032	11.2	<0.00001	8.8	0.657		<0.00001	0.0012	0.078	0.0016	0.00606	0.023	0.0007	0.013	0.0005	<0.0002	
	0.0018		1.5	0.002	8.78	0.00008	8.5	0.618	11	<0.00005	0.002	0.11	0.002	0.0076	0.017	0.001	0.013	<0.0002	0.0003	
	0.00103	0.042	2.2	0.00188	7.1	0.000023	9.45	0.528	11	0.000003	0.00046	0.006	0.00211	0.0023	0.017	0.0001	0.328	0.00013	0.00029	
	0.00111	0.056	1.23	0.0018	7.35	0.000013	6.95	0.571	12	0.000003	0.00046	0.0325	0.00185	0.0031	0.0149	0.0003	0.0054	0.00004	0.00011	
	0.0512	1.46	7	0.0008	68.3	0.00083	19	0.818	<300	0.00026	0.01	1.36	0.022	0.093	0.359	0.0058				
	0.0346	0.924	5	0.0008	41.3	0.00039	16	0.634	<300	0.00017	0.003	0.755	0.0229	0.056	0.171	0.0018	0.0045	0.00044	0.00078	
																	0.00611	0.00056	0.000661	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (	P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.104	<0.00004		0.008	0.00004		0.0034	0.00008	<0.001	0.01	<0.0001	<0.001		0.0016	<0.00001	0.0256	<0.001	<0.01	1.37	
	0.094	<0.0001	<0.0005	0.01	0.00002	64.1	0.0011	0.0001	0.002	0.01	0.0002	<0.001	13.3	<0.005	<0.00001	0.03	<0.0005		1.2	
MW96-C	0.0941	0.00003	0.000009	<0.05	0.000873	67.9	0.0017	0.000291	0.0034	0.407	0.00238	0.0012	14.9	0.0248	<0.00001	0.0302	0.00076	0.048	1.57	
	0.0834	<0.00001	<0.000005	<0.05	0.000053	65.9	0.0005	0.00004	0.00065	0.005	0.000133	0.0009	13.6	0.00116	<0.00001	0.0375	0.00035	0.016	1.24	
	0.129	<0.00001	<0.000005	<0.05	0.000019	125	0.0003	0.000278	0.00245	0.008	0.000027	0.0034	43.3	0.341	<0.00001	0.00681	0.00419	0.05	3.49	
	0.112	<0.000010	<0.0000050	<0.050	0.000033	120	0.00249	0.000126	0.00356	0.0061	0.000087	0.00246	28.1	0.00854	<0.000010	0.00288	0.00188	0.0423	2.02	

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-C	0.0016	7.02	<0.00001	9.03	0.636		<0.00001	<0.0001	0.0009	0.0016	0.0025	0.004	<0.0001	0.94		<0.0001	<0.0001	<0.0001	0.0007	
	0.0016	6.49	<0.00001	8.1	0.582	10.6	<0.00005	<0.001	0.0015	0.0019	0.002	0.012		0.79						
	0.00204	7.1	0.000016	9.36	0.543	11	0.000003	0.00049	0.0101	0.00186	0.0023	0.0093	<0.0001	0.88	100	<0.00002	<0.00002	0.000018	0.000018	
	0.00173	6.44	<0.000005	7.08	0.543	14	<0.000002	0.00009	<0.0005	0.00175	0.0015	0.0054	<0.0001	0.76		<0.00002	<0.00002	<0.000005	0.000033	
														3.6			0.0001		0.0016	
	0.00053	6.38	0.000005	18.2	0.604	28	<0.000002	0.00051	<0.0005	0.0232	0.0019	0.0033	0.0002	2.9	100	0.00003	<0.0001	<0.000005	0.0004	
	0.000296	8.56	<0.0000050	11.2	0.45	18	<0.0000020	0.00035	<0.00050	0.0137	0.00096	0.00806	0.00016	2.65	96					

Sample classes included in query: M sample taken for other monitoring purposes

Station	, total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
MW96-C																				
																			FIELD	
																			FIELD	
																			FIELD	

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
MW96-D	Monitoring well, proposed leach pad area	15-Aug-2006	Dry				10.56													
		14-Sep-2006	Dry				10.17													
		18-Oct-2006	Dry				10.45													
		20-Apr-2007	Dry/frozen																	
		08-May-2007	Dry				10.42													
		20-Jun-2007	Dry				10.40													
		26-Jul-2007	Dry				10.45													
		15-Aug-2007	Dry				10.5													
		11-Sep-2007	Dry				10.45													
		13-Oct-2007	Dry				10.4													
		04-Jun-2008	Blocked at 10 m																	
		20-Aug-2008	Blocked well at 10.20 m				10.20													
		02-Oct-2008	Dry				10.5													
		21-May-2009	Dry				10.45													
		12-Jul-2009	Frozen				10.6													
		16-Oct-2009	Dry				10.46													
		13-May-2010					10.45													
		11-Jun-2010	No water noted within well. No samples collected.				10.46													
		17-Aug-2010	No water noted within well. No samples collected.																	
		29-Jun-2011	Dry or frozen. Dipper T not functiong - no Water Levels aquired.																	
		09-Jun-2006	Not located																	
		14-Jul-2006	Not located																	
		15-Aug-2006	First time located and sampled			54.5	93		6		297	1.1	7.28		592		527			
		14-Sep-2006				44.5	93.24		12		268	4.4	7.78		539		530			
		19-Oct-2006				42.38	93.32		59	320		33.5		8.04			541			
		20-Apr-2007	Bailer frozen																	
		08-May-2007				50.62	93.10		38	358	296	5	7.50	7.83	590		622	3.0		
		20-Jun-2007				52.8	93.15		30	396	376	2.5	7.70	7.92	725		641	4.5		

Sample classes included in query: M sample taken for other monitoring purposes

Station	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C	
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-D																										
			270													<0.05				0.09	0.1	0.03				
			291													<0.05				0.3	0.09	0.04				
			273	273	333	<6		<5	<5	1.6						<0.05	<0.005	0.11		0.23	0.14	0.03				
			312	285	347	<6		<5	10	2					52	<0.05	<0.05	0.3		0.11	0.1	0.04		74.6	1.8	2.3
			343	315	384	<6		<5	<5	0.8					60	<0.05	<0.05	0.2		0.32	0.05	0.04		31	2.2	2.7

Sample classes included in query: M sample taken for other monitoring purposes

Station	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Moly
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-D																			
	0.081	<0.0004	<0.0004	0.087	<0.0002	<0.001	0.02	0.00006	52.8	<0.001	<0.0002	0.006	<0.2	0.0023	<0.002	31.7	0.089		0.031
	0.15	<0.0004	0.0005	0.1	<0.0002	<0.001	0.02	0.00016	57.4	0.0029	<0.0002	0.01	0.2	0.0031	<0.002	34.1	0.12		0.032
	0.468	0.0004	0.0006	0.116	<0.0001	<0.0005	0.017	<0.00001	58.9	0.012	0.0004	0.028	0.7	0.0141	0.002	36.2	0.146		0.032
	0.834	<0.0004	0.0007	0.14	<0.0002	<0.001	0.02	0.00012	62.4	0.0083	0.0008	0.024	1	0.0086	0.003	41.1	0.751	<0.0001	0.034
	0.269	<0.0002	0.0004	0.101	<0.0001	<0.0005	0.02	0.00008	63.1	0.0022	0.0004	0.011	0.3	0.0028	0.003	44.4	0.193	<0.00002	0.025

Sample classes included in query: M sample taken for other monitoring purposes

Station	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-D																			
	<0.001		3.1	<0.0004	3.95	<0.0002	8.6	2.04	13	<0.0001	0.002	0.002	0.001	0.0004	0.01	<0.002	<0.005	<0.0002	<0.0002
	0.001		3.8	<0.0004	4.45	<0.0002	9.8	2.24	14	<0.0001	0.004	0.0075	0.001	0.0004	0.032	<0.002	<0.005	<0.0002	0.0006
	0.002		3.8	0.0005	5.26	<0.0001	9.5	2.43	14.4	<0.00005	0.006	0.027	0.0017	0.0012	0.042	<0.001	<0.005	<0.0002	0.0006
	0.0024	0.06	4	0.0007	6.66	0.0002	11	2.76	17	<0.0001	0.008	0.0462	0.002	0.002	0.05	<0.002	0.012	<0.0002	0.0005
	0.001	<0.02	4.1	0.001	5.97	<0.0001	12	3.14	20	<0.00005	0.003	0.004	0.0023	0.0007	0.02	<0.001	0.008	<0.0002	0.0004

Sample classes included in query: M sample taken for other monitoring purposes

Station	...ved / ...enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (P... / P...
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-D																			
		0.075	<0.0001	<0.0005	0.014	0.00007	53.3	0.0012	<0.0001	0.003	<0.01	0.0003	0.001	33.3	0.025		0.032	<0.0005		3.2
		0.078	<0.0001	<0.0005	0.015	0.00007	57.5	0.0029	<0.0001	0.003	<0.01	<0.0001	0.002	35.9	0.051		0.032	<0.0005		3.8
		0.089	<0.0001	<0.0005	0.013	0.00007	53.4	0.0027	<0.0001	0.004	<0.01	0.0013	<0.001	34	0.038		0.029	0.0008		3.9
		0.097	<0.0001	<0.0005	0.016	0.00006	60.1	0.0028	<0.0001	0.004	<0.01	0.0002	0.002	39.4	0.016	<0.0001	0.03	<0.0005		4.2
		0.091	<0.0001	<0.0005	0.014	0.00002	65.7	0.0012	<0.0001	0.003	<0.01	0.0002	0.003	43.4	0.014	<0.00002	0.023	<0.0005		4.3

Sample classes included in query: M sample taken for other monitoring purposes

Station	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)	
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-D																				
	0.0003	3.88	<0.0001	9	1.98	12.9	<0.00005	0.001	<0.0005	0.0013	0.0003	0.01		0.12						
	0.0027	4.1	<0.0001	10.2	2.29	13.2	<0.00005	0.001	<0.0005	0.0011	0.0057	0.018		<0.3						
	0.0006	3.87	<0.0001	10	2.42	14.5	<0.00005	0.002	0.0012	0.0011	0.0003	0.024		0.11						
	<0.0002	4.75	<0.0001	11.8	2.79	16.9	<0.00005	0.001	0.0031	0.0018	0.0019	0.015		0.19						
	0.0007	5.17	<0.0001	12.4	2.98	20.6	<0.00005	<0.001	0.0022	0.0022	0.0015	0.011		0.11						

Sample classes included in query: M sample taken for other monitoring purposes

, total Al-E

Station	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
MW96-D																		
																	21.4

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
MW96-E	Monitoring well, proposed leach pad area	26-Jul-2007				53.12	93.70		30	398	327	11	8.20	7.63	645		629	4.4		
		15-Aug-2007				53.34			6	396	335	1.1	7.30	7.83	663		650	4.5		
		11-Sep-2007				53.55			4	408	351	0.8	7.40	7.74	703		571	4.0		
		12-Oct-2007	Dipper tape not functioning; tape is wet at 61.6 m			61.6	93.4		32	388	337	4.4	7.40	7.78	675		633	0.5		
		15-May-2008				54.56														
		04-Jun-2008					55.28													
		30-Jul-2008	Unable to grab sample with bailer			54.80														
		20-Aug-2008	Bailer unable to grab sample			54.8														
		03-Sep-2008				55.43	93.45		42	420	350	2.9	7.09	7.94	698		616		7.96	71.5
		02-Oct-2008	Unable to sample			82	94													
		21-May-2009				51.3	93.00		52	420	334	12	7.61	8.1	669		661	5.6		
		12-Jul-2009	No samples, no water.																	
		16-Oct-2009				46.0	92.5		10	330		10.9	7.77	8	200.4		667	1	5.98	42.77
		13-May-2010				43.65	93.15		38	390		16.2	7.45	8.1	352.6		651	1.8	8.31	65.9
		11-Jun-2010	Confusion in sample labelling. Lab results received under the stn name MW-96-C.			43.835	93.25		34	390		16.5	7.38	8.1	409.5		675	2.8	2.69	19
		17-Aug-2010							12	370		3.4	7.52	8.36	405.4		552	3.4	5.56	47.7
		29-Jun-2011	Dipper T not functiong - no Water Levels aquired.						16	400		25.2	7.76	8.08	204		636	2.2	4.71	40.4
		09-Aug-2012				42.46	93.3		28.7	376			7.46	8.15		675.1	647	2.3	7.78	58.2
MW96-F	Monitoring well, proposed waste rock storage area	09-Jun-2006	Purged in the morning, did not recharge. well depth = ice plug; drilled depth = 62.5 m.			4.96	6.59													
		14-Jul-2006	Dry																	
		15-Aug-2006	Partially purged and sampled			2	6.78		80		482	26	7.27		949		912			
		14-Sep-2006				6.04	6.58				497		7.89		996					
		18-Oct-2006	In-situ:Depth to ICE			3.95					477		7.57		948				9.49	
		19-Apr-2007	Water present, likely surface meltwater, not enough to sample																	

Sample classes included in query: M sample taken for other monitoring purposes

Station	Oxygen (field)	Dissolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-E			343	314	383	<6		<5	5	1.9						64	<0.05	<0.05	0.1		0.6	0.06	0.06		72	4.1	4
			332	315	384	<6		<5	<5	2.2						64	<0.05	<0.05	0.2		0.12	<0.05	0.06		69	0.8	1.8
			324	320	390	<6		<5	<5	2.16						63.3	<0.05	<0.02	0.07		<0.06	<0.05	0.07		68.3	1.4	1.2
			339	288	351	<6		<5	<5	0.26						62.6	<0.05	<0.02	0.11		0.4	0.08	0.05		64.5	1.6	1.9
			346	301	370	<6		<5	<5	2.19						64.3	0.06	<0.01	0.2		0.2	<0.05	0.08		33.9	2.5	2.7
		361	368	300	370	<0.5	<0.5	<0.5	<5	2.7		<0.0005		0.0005		62	0.016	<0.005	0.29	0.52	0.23	0.034	0.006		60	2.2	1.5
	113.8	356	379	310	370	<0.5	<0.5	<0.5		1.9		<0.0005		<0.0005		62	<0.005	<0.005	0.48			0.01	<0.005			1.3	1.3
	78.4	398	374	300	370	<0.5	<0.5	<0.5	<5	<0.5		<0.0005		<0.0005		79	0.013	<0.005	0.42	0.52	0.1	0.01	<0.005		69	1.6	2.1
	353.5	334	350	290	360	<0.5	<0.5	<0.5	<5	1.8		<0.0005		<0.0005		71	0.06	<0.005	0.15	0.24	0.08	0.021	<0.005		73	<0.5	1
	91.2	356	359	240	280	3.4	2.8	<0.5	<5	1.3				<0.0005		77	0.2	<0.005	0.1	0.41	0.31	0.015	<0.005		0.7	3.9	3.5
	76	345	336	290	360	<0.5	<0.5	<0.5	<5	2.1		<0.0005		<0.0005		65	0.008	<0.005	0.26	0.24	<0.02	0.017	0.007		69.8	1.9	1.2
	84.9		335	296	362	<0.50	<0.50	<0.50		2.3	0.77					61.6	0.0058	<0.050	<0.20							5.57	5.18
MW96-F																											
			495														<0.05				1.41	0.2	0.12				
	47																										

GROUNDWATER - WELLS

Sample classes included in query: M sample taken for other monitoring purposes

Station	Organic Carbon	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol...
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-E	0.549	0.0002	0.0003	0.101	<0.0001	<0.0005	0.014	0.00011	58.7	0.0036	0.0003	0.01	0.6	0.0038	0.003	42.3	0.155	<0.00002	0.021		
	0.144	<0.0002	0.0002	0.083	<0.0001	<0.0005	0.018	0.00004	59.4	0.0011	0.0002	0.004	0.2	0.0007	0.004	42.2	0.111	<0.00002	0.02		
	0.195	<0.0002	0.0002	0.091	<0.0001	<0.0005	0.016	0.00004	58.4	0.0025	0.0003	0.007	0.3	0.0017	0.003	42	0.063	<0.00002	0.019		
	0.3	<0.0002	0.0003	0.097	<0.0001	<0.0005	0.014	0.00006	60.1	0.0028	0.0002	0.006	0.3	0.0023	0.004	42	0.056	<0.00001	0.02		
	0.511	0.0002	0.0004	0.099	<0.00004		0.011	0.00012	64.2	0.0029	0.00054	0.008	1.14	0.0041	0.003	43.6	0.192	<0.00001	0.0168		
	0.256	0.00031	0.00082	0.0975	0.00002	0.000015	<0.05	0.000339	74.9	0.0014	0.000259	0.00927	0.392	0.0116	0.0031	42.2	0.0741	<0.00001	0.0162		
	0.0721	0.00026	0.00055	0.0865	<0.00001	0.000006	<0.05	0.000187	74.6	0.0013	0.00013	0.00567	0.12	0.00574	0.0032	41.2	0.0279	<0.00001	0.0155		
	0.308	0.00036	0.0007	0.0949	0.00002	0.00001	<0.05	0.000273	85	0.0017	0.000257	0.011	0.509	0.00625	0.0035	45.1	0.0347	<0.00001	0.0148		
	0.197	0.00023	0.00046	0.0954	<0.00001	0.00002	<0.05	0.000119	62	0.0009	0.000216	0.00475	0.394	0.00462	0.0031	43.6	0.0382		0.00992		
	0.0866	0.00013	0.00026	0.0932	<0.00001	<0.000005	<0.05	0.000054	65.6	0.0004	0.000132	0.00287	0.241	0.00213	0.003	46.7	0.0264	<0.00001	0.0102		
	0.233	0.00028	0.00064	0.102	0.00002	0.000015	<0.05	0.000144	66.2	0.0015	0.000366	0.0096	0.48	0.00648	0.0029	43.6	0.107	<0.00001	0.0101		
MW96-F																					
	2.39	<0.0004	0.0078	0.381	<0.0002	<0.001	0.032	0.00029	123	0.0091	0.004	0.026	4	0.003	0.004	50.2	1.13		0.004		
	2.18	0.0004	0.0091	0.373	<0.0002	<0.001	0.042	0.0003	131	0.0082	0.004	0.022	3.3	0.0031	0.004	54.2	1.33		0.004		
	0.882	0.0004	0.0083	0.338	<0.0001	<0.0005	0.03	0.0002	128	0.0064	0.0044	0.026	2.3	0.002	0.003	52.1	2.12		0.004		

Sample classes included in query: M sample taken for other monitoring purposes

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-E	<0.0005	<0.02	4.5	<0.0002	5.68	<0.0001	11.8	2.9	20.3	<0.00005	0.003	0.0324	0.0022	0.0014	0.029	<0.001	0.009	<0.0002	<0.0002	
	0.0008	<0.02	3.8	0.0014	5.41	<0.0001	11.5	2.86	20.6	<0.00005	0.001	0.0104	0.0021	0.0007	0.009	<0.001	<0.005	<0.0002	0.0003	
	0.0013	<0.02	4.1	0.0012	5.68	<0.0001	12.1	3.1	20.4	<0.00005	0.002	0.0091	0.0025	0.0007	0.025	<0.001	0.017	0.0009	<0.0002	
	<0.0005	<0.02	4	0.0013	6.46	<0.0001	12	2.95	20.6	<0.00005	0.003	0.0181	0.0023	0.0008	0.022	<0.001	0.038	0.0008	<0.0002	
	<0.001	0.04	4.21	0.002	6.09	<0.00001	11.6	3.13		<0.00001	0.0029	0.0342	0.0021	0.00122	0.032	0.0002	0.013	0.0005	0.0007	
	0.00131	0.047	4.11	0.00106	5.7	0.000114	10.6	2.73	25	0.000004	0.00267	0.0055	0.00247	0.0005	0.0237	<0.0001	0.247	0.00031	0.00067	
	0.00152	0.024	3.8	0.00096	4.7	0.000022	10	2.96	22	0.000003	0.00177	0.0026	0.00237	<0.0002	0.0172	<0.0001	0.0026	0.0002	0.00029	
	0.00161	0.051	4.49	0.001	5.83	0.000037	10.5	3.08	26	0.000005	0.00242	0.0137	0.00253	0.0006	0.0296	0.0003	0.0065	0.00022	0.0003	
	0.00106		3.89	0.00055	5.44	0.00002	9.65	2.96	25	0.000002	0.00127	0.0081	0.00253	0.0005	0.0126	0.0001	0.0099	0.00014	0.00015	
	0.0025	0.018	3.98	0.00053	5.04	0.000019	10.1	3.11	27	0.000002	0.00048	0.0034	0.00265	0.0004	0.0142	<0.0001	0.0036	0.00007	0.00009	
	0.00128		3.79	0.00096	5.94	0.000094	9.5	2.93	25	0.000002	0.00269	0.0086	0.00258	0.0007	0.0298	<0.0001	0.0055	0.00011	0.00014	
																	0.00348	0.000095	0.00011	
MW96-F																				
	0.013		4.5	0.0004	14.4	0.0008	26.6	0.752	9.5	<0.0001	0.004	0.104	0.002	0.012	0.038	0.005	0.023	0.0002	0.0032	
	0.012		5.2	<0.0004	12.9	0.0004	31.2	0.817	12	<0.0001	0.004	0.0818	0.002	0.011	0.058	0.004	0.024	0.0003	0.0047	
	0.0126		4.2	0.0004	9.92	0.0002	30.3	0.885	10.6	<0.00005	0.004	0.0381	0.0018	0.0086	0.044	0.003	0.013	<0.0002	0.0053	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (	P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-E	0.083	<0.0001	<0.0005	0.013	0.00004	63.2	0.0007	<0.0001	0.005	<0.01	0.0003	0.002	45	0.009	<0.00002	0.019	<0.0005		4.4
	0.086	<0.0001	<0.0005	0.013	0.00004	60.6	0.0008	<0.0001	0.002	<0.01	0.0001	0.003	43.9	0.087	<0.00002	0.018	<0.0005		3.9
	0.086	<0.0001	<0.0005	0.015	0.00001	57.8	0.0012	0.0002	0.005	0.01	0.0002	0.003	43.7	0.012	<0.00002	0.019	0.0014		3.9
	0.094	<0.0001	<0.0005	0.013	0.00005	63.1	0.0011	<0.0001	0.003	0.02	0.0002	0.003	44.2	0.012	<0.00001	0.018	0.0005		4.1
	0.084	<0.00004		0.013	0.00005		0.0035	0.00008	0.002	<0.01	0.0002	0.003		0.0085	<0.00001	0.0156	<0.001	0.01	4.16
	0.0971	0.00001	0.000015	<0.05	0.000272	76.9	0.0011	0.000207	0.00646	0.394	0.00892	0.0033	42.7	0.0557	<0.00001	0.0162	0.00094	0.043	4.2
	0.0834	<0.00001	<0.000005	<0.05	0.000149	79.2	0.0006	0.000067	0.00362	0.004	0.00179	0.0031	44	0.0105	<0.00001	0.0161	0.00081	0.018	4.1
	0.0839	<0.00001	<0.000005	<0.05	0.000137	78.8	0.0006	0.000041	0.00368	0.007	0.00141	0.0031	43.2	0.00285	<0.00001	0.015	0.00093	0.022	4.21
	0.0898	<0.00001	<0.000005	<0.05	0.000052	65.9	0.0002	0.000051	0.00152	0.012	0.000574	0.0029	45.1	0.0161		0.0107	0.00048		4.14
	0.0909	<0.00001	<0.000005	<0.05	0.000034	67	<0.0001	0.000048	0.00119	0.006	0.000339	0.0029	46.6	0.014	<0.00001	0.0106	0.00168	0.008	3.95
	0.0904	<0.00001	<0.000005	<0.05	0.000057	65.3	0.0002	0.000032	0.00241	0.009	0.000193	0.0027	42	0.0229		0.0105	0.00029		3.69
	0.0893	<0.000010	<0.0000050	<0.050	0.000023	64.1	0.0001	0.000034	0.00412	0.0075	0.000179	0.00282	42.4	0.00308	<0.000010	0.0102	0.000134	0.0115	3.85
MW96-F																					
	0.28	<0.0001	<0.0005	0.033	0.00014	118	0.0026	0.0022	0.014	0.06	0.0005	0.003	49	0.688		0.003	0.0078		3.9
	0.288	<0.0001	<0.0005	0.038	0.00017	132	0.0041	0.0025	0.016	0.11	0.0002	0.004	53.8	1.12		0.003	0.0087		5
	0.31	<0.0001	<0.0005	0.03	0.00008	123	0.0036	0.0036	0.01	0.33	0.0002	0.002	48.4	1.96		0.003	0.0106		4.1

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-E	0.0005	5.55	<0.0001	12.9	2.78	22.2	<0.00005	<0.001	0.0023	0.0021	0.0001	0.022		0.09							
	0.0005	5.26	<0.0001	11.7	2.9	21	<0.00005	<0.001	0.0022	0.0023	0.0013	0.01		0.07							
	0.0003	5.29	<0.0001	11.7	3.1	20.7	<0.00005	<0.001	0.0025	0.0022	0.0003	0.02		0.17							
	<0.0002	5.51	<0.0001	12	2.9	21.5	<0.00005	<0.001	0.0025	0.0023	0.0002	0.018		0.14							
	<0.0006	5.27	<0.00001	12.2	3.1		<0.00001	0.0011	0.0006	0.0021	0.00097	0.013	<0.0001	0.24		<0.0001	<0.0001	<0.0001	0.0003		
	0.00106	5.9	0.000156	10.5	2.85	24	0.000004	0.00207	0.0078	0.00225	0.0002	0.0169	<0.0001	0.29	110	<0.00002	<0.00002	0.000015	0.000014		
	0.00103	5.4	<0.000005	10.8	2.99	24	<0.000002	0.00104	<0.0005	0.00242	<0.0002	0.015	<0.0001	0.48	110	<0.00002	<0.00002	0.000008	0.00003		
	0.00099	5.19	<0.000005	10.1	2.98	23	<0.000002	0.00123	<0.0005	0.00244	<0.0002	0.0194	<0.0001	0.42		<0.00002	<0.00002	<0.000005	0.000029		
	0.00058	5.85	<0.000005	10.2	3.11	27	<0.000002	0.00041	0.0011	0.00259	<0.0002	0.0073	<0.0001	0.15							
	0.00056	5.31	<0.000005	9.99	3.1	25	<0.000002	0.00019	<0.0005	0.00288	<0.0002	0.0087	<0.0001	0.1		<0.00002	<0.00002	<0.000005	0.000008		
	0.00094	5.59	<0.000005	9.24	2.9	24	<0.000002	0.0006	<0.0005	0.00255	<0.0002	0.0131	<0.0001	0.26							
	0.00257	5.35	0.000005	9.35	3.08	23	<0.0000020	<0.00020	<0.00050	0.00227	<0.00020	0.00347	<0.00010	<0.20	98						
MW96-F																					
	0.0005	8.25	<0.0001	25.9	0.708	8.8	<0.00005	<0.001	0.003	0.0017	0.0041	0.017		2.56							
	0.0003	8.98	<0.0001	33.7	0.818	11.6	<0.00005	0.001	<0.0005	0.0019	0.0076	0.031									
	0.0004	7.87	<0.0001	30.5	0.768	10.3	<0.00005	<0.001	0.0033	0.0012	0.0051	0.022									

Sample classes included in query: M sample taken for other monitoring purposes

Station	, total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
MW96-E																				
																			FIELD	
																			FIELD	
																			FIELD	
																			FIELD	
																			FIELD	
MW96-F																				

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
		08-May-2007				6.35	6.57													
		19-Jun-2007	Not enough water to sample			6.44	6.54													
		26-Jul-2007	Not enough water to collect samples. ice present in waterra foot valve.			6.29	6.56													
MW96-H	Monitoring well, proposed waste rock storage area	09-Jun-2006	Frozen with waterra already inside																	
		14-Jul-2006	Blocked at 3.86 m																	
		15-Aug-2006	Partially purged and sampled			2.9	7.8		60		127	18	6.83		253		203			
		14-Sep-2006				6.23	7.63		90		77.3	26	7.21		152.4		146			
		18-Oct-2006	iInsufficient water for samples																	
		08-May-2007	Frozen. well seems non-functional - ice plugged.																	
		19-Jun-2007	In-situ: no temperature taken , no Total dissolved solids taken			1.84	7.72		27	380		2.7	7.6	7.84	683		569			
		26-Jul-2007	Ice in well frozen to footvalve; valve broke during extraction of waterra. limited water.						566	552		260		7.68			812			
MW96-I	Monitoring well, proposed waste rock storage area	09-Jun-2006	Casing loose/angled. probe stuck at 2 m.																	
		14-Jul-2006	Jammed 60 cm above bottom?																	
		15-Aug-2006	Casing loose/angled, partially purged and sampled			2.1	2.9		221		72.7	64.8	7.76		144.1		143			
		14-Sep-2006	Dry/frozen				2.73													
		18-Oct-2006	Insufficient water for samples			1.84	2.80													
		08-May-2007	No water; well seems non-functional - ice plugged																	
		19-Jun-2007	Dry				2.67													
		26-Jul-2007	Not enough water to sample			2.11	2.76													
		09-Jun-2006	Live baby birds nesting is well casing, will inspect in July.																	
		14-Jul-2006	Dry				93.75													

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	Dissolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		565																									
MW96-H																											
			97													<0.05				0.77	0.2	0.14					
			74.3													<0.05				0.64	0.33	0.22					
			308	308	375	<6		<5	46	0.6					27.2	<0.05	<0.05	1		0.35	0.12	0.1		37.3	13.5	13.9
				407	496	<6		<5	15	1.5					99		<0.05	<0.1									
MW96-I																											
			25													<0.05				0.25	0.2	0.01					

Sample classes included in query: M sample taken for other monitoring purposes

Station	on	rganic Carbon	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	2.34		0.0007	0.0094	0.376	<0.0002	<0.001	0.033	0.00056	137	0.014	0.0053	0.042	4.5	0.0036	0.004	54.1	3.09	<0.0001	0.003	
MW96-H																						
	0.835		0.0005	0.001	0.091	<0.0002	<0.001	0.005	0.00012	34.5	0.0024	0.0006	0.02	1.7	0.0029	0.002	2.7	0.065		<0.002		
	0.803		0.0006	0.001	0.082	<0.0002	<0.001	0.006	0.00014	25.5	0.002	0.0006	0.01	1.9	0.003	0.002	2.2	0.094		<0.002		
	0.366		0.0004	0.0008	0.158	<0.0001	<0.0005	0.015	0.00007	81.9	0.0018	0.0004	0.009	0.9	0.0006	0.002	21.9	0.032	0.00004	0.001		
	14.3		0.0006	0.0063	0.565	0.0004	<0.001	0.02	0.00032	142	0.024	0.0077	0.033	14	0.0084	0.01	33.3	1.11	0.00002	0.004		
MW96-I																						
	1.6		<0.0004	0.0008	0.068	<0.0002	<0.001	<0.004	0.00008	7.9	0.0034	0.002	0.008	2	0.002	<0.002	1	0.587		<0.002		

Sample classes included in query: M sample taken for other monitoring purposes

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.016		5	<0.0004	12.2	0.0004	34.9	0.881	13	<0.0001	0.005	0.1	0.002	0.012	0.096	0.004				
MW96-H																				
	0.0031		1.1	<0.0004	8.84	0.0004	3.7	0.14	2.1	<0.0001	<0.002	0.0376	<0.001	0.0029	0.02	<0.002	0.158	0.0005	0.0006	
	0.0031		0.9	<0.0004	6.25	0.0003	3	0.11	2	<0.0001	0.002	0.0218	<0.001	0.0026	0.034	<0.002	0.113	0.0004	0.0006	
	0.0023	0.06	2	0.0009	8.27	0.0001	10.4	0.466	7.5	<0.00005	<0.001	0.0072	0.0044	0.0019	0.017	<0.001	0.029	0.0003	0.0006	
	0.019		6.2	<0.0004	25.8	<0.0002	13	0.721	31.5	0.0001	0.003	0.738	0.0041	0.0414	0.12	0.008				
MW96-I																				
	0.0037		<0.8	<0.0004	4.97	<0.0002	<0.8	0.034	<0.6	<0.0001	0.002	0.0811	<0.001	0.0049	0.02	<0.002	0.025	<0.0002	<0.0002	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (	P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-H																					
	0.072	<0.0001	<0.0005	0.003	0.00006	34.4	0.0016	0.0002	0.01	0.33	0.0005	0.002	2.7	0.04		0.001	0.0023		1		
	0.052	<0.0001	<0.0005	0.003	0.00007	26.2	0.0012	0.0001	0.009	0.28	0.0002	0.002	2.1	0.019		<0.001	0.0018		0.9		
	0.159	<0.0001	<0.0005	0.013	0.00005	87.4	0.0012	<0.0001	0.006	0.09	0.0002	0.001	22	0.006	<0.00002	0.001	0.0014		2		
MW96-I																					
	0.02	<0.0001	<0.0005	<0.002	0.00002	8.3	0.0012	<0.0001	0.001	0.03	0.0002	<0.001	1.1	0.028		<0.001	0.0007		<0.4		

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
	<0.0002	7.69	0.0001	4	0.141	2.2	<0.00005	<0.001	0.0063	<0.0005	0.001	0.013		0.97							
	<0.0002	5.36	<0.0001	3.2	0.109	1.6	<0.00005	<0.001	0.004	<0.0005	0.0018	0.026		0.81							
MW96-H																					
	0.0011	6.91	<0.0001	11.3	0.466	8.3	<0.00005	<0.001	0.0022	0.0044	0.0018	0.017		1.12							
	<0.0002	0.37	<0.0001	<0.4	0.026	0.4	<0.00005	<0.001	<0.0005	<0.0005	0.0003	0.006		<0.02							
MW96-I																					

Sample classes included in query: M sample taken for other monitoring purposes

Station	total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
MW96-H																				
MW96-I																				

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
MW96-J	Monitoring well, proposed open pit area	15-Aug-2006	Dry - probe indicated a small amount of pooling at the bottom, insufficient for sampling				93.3													
		14-Sep-2006	Unable to sample			91.58	93.2													
		18-Oct-2006				91.08	93.10													
		20-Apr-2007	Frozen																	
		08-May-2007	Insufficient water for samples			91.57	92.45													
		20-Jun-2007	Dry				93.04													
		26-Jul-2007	Water was detected however may have only been condensation. unable to collect samples.			91.58	93.4													
		15-Aug-2007	Dry				93.45													
		11-Sep-2007	Dipper tape not wet; appears to have registered condensation			91.50	93.2													
		12-Oct-2007	Dry				93.4													
		04-Jun-2008	Water level = moisture on bottom			91.48	91.52													
		20-Aug-2008	Dry				91.5													
		03-Sep-2008				91.2	91.6													
		02-Oct-2008	Unable to collect insitu or full suite of samples			75														
		21-May-2009	Bailer gets stuck midway down pipe, likely due to ice forming within pipe. no sample possible.			86.15	92.46													
		12-Jul-2009	No sample; bailer cannot pass certain point due to ice build-up.																	
		16-Oct-2009	No samples; bailer malfuncitons for both steel and plastic bailer			90.61	92.61													
		13-May-2010	No water samples collected. Bailer gets stuck half way down well as a result of ice or constriction is well.			91.62	93.27													

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	issolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-J																											
			154													<0.05				<0.06	<0.05	0.06	<0.05				

Station	on	rganic Carbon	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-J																						
	2.05		0.0007	0.0022	0.188	<0.0001	<0.0005	0.007	0.00032	53.6	0.0065	0.0009	0.015	2.11	0.0246	0.002	6.4	0.072	0.00002	0.003		

Sample classes included in query: M sample taken for other monitoring purposes

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-J																				
	0.0039		1.6	0.0007	7.4	0.00019	5.1	0.195	1.2	<0.00005	0.004	0.0848	<0.0005	0.0064	0.055	<0.001	0.027	0.0024	0.0007	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (	P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-J																					
	0.136	<0.0001	<0.0005	0.006	0.00009	51.9	0.0014	0.0001	0.003	0.02	0.0012	<0.001	5.9	0.01	<0.00001	0.002	<0.0005		1.3		

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-J																					
	0.0006	5.11	<0.00001	5.4	0.172	1.1	<0.00005	<0.001	0.0008	<0.0005	0.0014	0.019		2.73							

Station	total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
MW96-J																				

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
		11-Jun-2010	No samples collected, bailer gets jammed part way down well.			91.605	92.840													
		17-Aug-2010	No samples collected, bailer gets jammed part way down well.																	
MW96-K	Monitoring well, proposed open pit area	09-Jun-2006	Not located; assumed buried by machinery																	
		20-Apr-2007	Frozen																	
		08-May-2007	No water				93.4													
		20-Jun-2007	Dry				93.0													
		26-Jul-2007	Dry				93.7													
		15-Aug-2007	Dry				93.85													
		11-Sep-2007	Dipper tape not wet; appears to have registered condensation			92.95	93.65													
		12-Oct-2007	Dry				93.4													
		04-Jun-2008				91.45	93.90													
		20-Aug-2008	Dry				91.6													
		03-Sep-2008				88.55	91.98		20	176		1.9		8.01			268			
		02-Oct-2008	Unable to sample			83														
		21-May-2009	Bailer 'jammed', no samples collected.			89.53	92.80													
		10-Jul-2009	Heron interface meter did not register water at a max meter depth of 60 m.																	
		16-Oct-2009	No sample			91.6	92.9													
		13-May-2010	No water samples collected. Bailer gets stuck half way down well as a result of ice or constriction in well.			91.84	92.85													
		11-Jun-2010	No samples collected, bailer gets jammed part way down well.			91.88	93.450													
		17-Aug-2010	No samples collected, bailer gets jammed part way down well.																	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	Dissolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-K																											
				139	170	<6		<5	<5	1						5.19		<0.01	2.2								

Station	on	rganic Carbon	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-K																						
	0.278	<0.0002	0.0002	0.321	<0.00004		<0.005	0.00012	50.5	0.095	0.00119	0.01	1.79	0.0035	0.001	6.65	0.0584	<0.00001	0.00496			

Sample classes included in query: M sample taken for other monitoring purposes

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW96-K																				
	0.045	0.04	1.34	<0.0006	4.58	<0.00001	4.4	0.156		<0.00001	0.0016	0.0127	<0.0004	0.00286	0.024	0.0001				

Station	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-K																			

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
MW96-K																					
																		<0.0001		0.0001	

Sample classes included in query: M sample taken for other monitoring purposes

Station	, total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
MW96-K																				

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
		09-Aug-2012	Could not get more water up after a couple half full bailers. Collected T. metals, TOC and anions, not enough water to do insitu.			91.535	93.61													
MW01-8	Unknown, for July 2008 data-currently plugged	30-Jul-2008	View results with extreme caution, appears to be water sampled from on top of ice plug			0.17			190	144		4		7.94			97			
		20-Aug-2008	Well plugged at 2.37 m				2.37													
		03-Sep-2008	Plugged at 2.55 m; heat trace was on			2.55														
		02-Oct-2008	Frozen																	
		21-May-2009	Heat trace frozen within well, no sample collected																	
		12-Jul-2009	Heat trace frozen within well. no samples.																	
		11-Jun-2010	No water noted with Dipper Tape, noted to be plugged with ice.																	
		29-Jun-2011	Frozen. No sample																	
		09-Aug-2012	Bailer will not drop down to water, some sort of blockage.			2.38	4.97													
DW-08-01	Shallow well, proposed camp location	20-Aug-2008				5.18			74	466		11	7.47	8.06	608		653	4.5	4.19	45.6
		03-Sep-2008				5.23			18	456	361	2.6	7.58	8.12	722		649	6.0	3.22	29.2
		01-Oct-2008				6.5			22	428	359	25	8.23	8.25	719		650	4.6	6.56	52.9
		13-May-2010	No water noted within well. No samples collected				6.22													
		11-Jun-2010	No water samples collected. Dry to bottom of well.				6.27													
		17-Aug-2010	No water samples collected. Dry to bottom of well.																	
		29-Jun-2011	No sample. Ice blockage @ apprx 5.5 ft.																	
		07-Sep-2011				5.93			74	370		309	7.27	7.15		574.2	519	2.8	1.78	14.5

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	issolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			171							1.5	0.17				3.57		<0.050	1.32							5.19		
MW01-8		94		54	70	<6		<5	90	0.44					12.8	0.2	<0.01	0.01		5.81	0.27	0.06					
			236	150	180	<6		<5	<5	23.5					165	0.12	<0.01	<0.01		0.22	<0.05	<0.01		37.6	1.8	2.1	
			258	133	160	<6		<5	<5	29.8					173	0.09	<0.01	0.01		0.18	<0.05	0.02		33.6	1.6	2	
			256	90	100	<6		<5	<5	18.3					178	0.09	<0.01	<0.01		0.17	<0.05	0.01	<0.05	35.2	1.4	1.2	
DW-08-01																											
	-114.4	112	106	29	35	<0.5	<0.5	<0.5	250	24		<0.005		<0.005	160	0.009	0.007	<0.02	0.05	0.05	0.012	<0.005		8.2	9.8	9.3	

Sample classes included in query: M sample taken for other monitoring purposes

Station	on	rganic Carbon	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW01-8		2.54	0.0007	0.0012	0.084	0.00016		0.01	0.00014	32.3	0.0054	0.00142	0.025	5.88	0.0053	0.004	3.17	0.158	0.00001	0.00282		
DW-08-01		0.078	<0.0002	0.0006	0.057	<0.00004		0.036	0.00003	44.2	0.0008	0.00111	0.001	35.7	0.0011	0.005	31.9	0.731	0.00001	0.00135		
		0.021	<0.0002	<0.0002	0.053	<0.00004		0.035	<0.00001	47.7	0.0005	0.00034	<0.001	9.62	0.0001	0.004	33.7	0.559	<0.00001	0.00105		
		0.092	<0.0002	0.0003	0.056	<0.0001	<0.0005	0.044	0.00002	44.4	0.0036	0.0005	0.001	13.7	0.0012	0.005	34.2	0.502	<0.00001	<0.001		
		0.0173	0.00005	0.00027	0.0104	<0.00001	<0.000005	<0.05	0.000058	18.8	0.0002	0.000632	0.00109	52.9	0.000774	0.0024	15.7	1.53	<0.00001	0.00011		

Sample classes included in query: M sample taken for other monitoring purposes

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
																	0.0109	0.00024	0.000427	
MW01-8	0.023	0.32	0.82	<0.0006	5.51	0.00008	8.5	0.156		<0.00001	0.0066	0.0405	0.0004	0.00511	0.053	0.0004				
DW-08-01	0.071	0.04	2.11	<0.0006	0.84	<0.00001	50	1.58		0.00002	0.0018	0.0048	0.001	0.0004	0.025	<0.0001	<0.01	0.0006	<0.0002	
	<0.001	0.02	2.2	<0.0006	0.43	<0.00001	49	1.66		<0.00001	<0.0001	0.0015	<0.0004	0.00022	0.005	0.0004	0.007	0.0005	0.0004	
	<0.0005		2.1	<0.0002	0.75	0.00004	39.3	1.64	57.2	<0.00005	<0.001	0.0088	<0.0005	<0.0001	0.012	<0.001	0.006	<0.0002	<0.0002	
	0.00108	0.015	1.7	<0.00004	0.485	0.000007	45.8	0.395	55	<0.000002	0.0004	0.0009	0.000058	<0.0002	0.0076	<0.0001	0.0011	<0.00002	<0.00002	

Sample classes included in query: M sample taken for other monitoring purposes

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (	P
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.417	<0.000010	<0.0000050	<0.050	0.000092	55.4	0.00043	0.000067	0.00422	0.0044	0.000377	0.00108	7.85	0.000258	<0.000010	0.00505	0.000615	0.0035	1.75		
MW01-8																					
DW-08-01	0.054	<0.00004		0.034	0.00002		0.0006	0.00013	<0.001	1.95	<0.0001	0.004		0.472	<0.00001	0.00117	0.004	0.02	2.17		
	0.053	<0.00004		0.037	<0.00001		0.002	0.00019	<0.001	4.34	0.0002	0.004		0.655	<0.00001	0.00111	<0.001	0.02	2.33		
	0.057	<0.0001	<0.0005	0.041	<0.00001	45.4	0.0009	0.0002	0.001	1.23	<0.0001	0.005	34.7	0.346	<0.00001	<0.001	<0.0005		2		
	0.0088	<0.00001	<0.000005	<0.05	0.00001	17.8	<0.0001	0.00026	0.00007	31.2	0.000051	0.0022	14.8	1.23	<0.00001	0.0001	0.00021	0.008	1.67		

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
	0.000196	4.99	<0.0000050	4.81	0.206	<10	0.000008	0.00055	<0.00050	0.000625	0.00051	0.00861	<0.00010	1.32							
MW01-8														0.02				<0.0001		0.001	
DW-08-01	<0.0006	0.416	<0.00001	50.5	1.56		<0.00001	<0.0001	0.0001	<0.0004	0.00017	0.002	<0.0001	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	<0.0006	0.452	<0.00001	53.4	1.59		<0.00001	<0.0001	0.0002	<0.0004	0.00063	0.002	<0.0001	<0.01		<0.0001	<0.0001	<0.0001	0.0005		
	<0.0002	0.25	<0.00001	36.8	1.64	57.5	<0.00005	<0.001	0.0054	<0.0005	<0.0001	0.003		<0.01							
	<0.00004	0.318	<0.000005	44.2	0.372	53	<0.000002	0.0002	<0.0005	0.000005	<0.0002	0.0014	<0.0001	<0.02	110	<0.00002	<0.00002	<0.000005	0.000011		

Sample classes included in query: M sample taken for other monitoring purposes

Station	, total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
																		LAB		
MW01-8																				
DW-08-01																				
																		FIELD		

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Depth to Water	Well Depth	Well Purge Volume	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Ox	Di
				m3/s	m	m	mbTOC	L	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%
		09-Aug-2012	No water				6.19													
DW-08-02	Shallow well, proposed camp location	20-Aug-2008				6.68			28			4.2	7.62	7.26	680		970	4.5	4.13	37.6
		03-Sep-2008				6.73			22	680	642	7.3	7.13	6.53	1288		828	3.6	3.74	27.8
		01-Oct-2008				6.8			32	620	276	12	6.38	6.2	530		823	4.9	11.8	90.6
		13-May-2010	Noticeable sediment and/or organics in water (water greenish in colour). Filtering removes material.			4.97	7.10		34	340		92.2	8.1	7.5	282.9		523	2.3	1.8	14.6
		11-Jun-2010	Noticeable sediment and/or organics in water (water greenish in colour). Filtering removes material			5.55	7.11		31	310		51.7	8.3	7.8	287.9		478	1.7	0	0
		17-Aug-2010	Green dirty water - filtering clears.						73	330		77.7	7.93	7.85	558.9		528	3.6	2.57	24.3
		29-Jun-2011	Very silty water						110	480		183	8	7.31	380		560	8.9	2.84	22.6
		07-Sep-2011	6.22m to bottom, dry				6.22													
		09-Aug-2012	Nothing of note			6.08	6.62		328	282			7.08	6.81		715.6	455	2.4	4.61	34.9
KT-01	Kitchen Tap Camp (old?)	09-May-2007																		
		20-Jun-2007								413		0.2		8.08						
		28-Apr-2008	Kitchen Tap							419		0.6		7.98						

Sample classes included in query: M sample taken for other monitoring purposes

Station	ygen (field)	Dissolved Oxygen (field)	ORP (field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carb	Dissolved C
	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
DW-08-02			248	44	50	<6		<5	<5	5.97					469	0.1	<0.01	0.03		0.39	<0.05	<0.01		5.4	8.3	7.9
			307	10	<5	10		<5	5	5.52					398	0.08	<0.01	0.02		0.33	<0.05	0.01		2.4	15.2	16.3
			330	<5	<5	<6		<5	13	5.35					389	0.13	<0.01	<0.01		0.15	<0.05	0.01	<0.05	4.4	3.2	3.8
	-146.1	165	171	61	74	<0.5	<0.5	<0.5	<5	20		<0.0005		<0.0005	150	0.023	<0.005	<0.02	0.03	0.03	0.008	<0.005		13.2	2.5	4.9
	150	145	144	54	66	<0.5	<0.5	<0.5	<5	21		<0.0005		<0.0005	150	0.06	<0.005	<0.02	0.89	0.89	0.009	<0.005		12.9	2.3	3.1
	-167.5	157	155	56	68	<0.5	<0.5	<0.5	5	22				<0.0005	170	0.22	<0.005	<0.02	0.3	0.3	0.006	<0.005		<0.5	3.6	3.5
	-182	165	182	41	50	<0.5	<0.5	<0.5	75	25		0.0009		0.001	170	0.066	0.015	<0.02	0.14	0.12	0.014	<0.005		6.6	10.5	10.7
	132.2		80.7	62.6	76.4	<0.50	<0.50	<0.50		26	0.11				135	0.064	<0.050	<0.20							5.08	5.05
KT-01		322																									
				130					<5	2.9	0.9						<0.005	0.58									
				126					<5	4.1	0.98				211		<0.02	0.55									

Sample classes included in query: M sample taken for other monitoring purposes

Station	on	rganic Carbon	Total Organic Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
DW-08-02		0.18	<0.0002	0.0005	0.092	<0.00004		0.049	0.00004	76.3	0.0008	0.00044	<0.001	22.6	0.0007	0.006	17.3	1.01	<0.00001	0.00504		
		0.141	<0.0002	0.0004	0.082	<0.00004		0.051	0.00005	80.5	0.0009	0.00024	0.002	15.6	0.0014	0.006	17.8	0.627	<0.00001	0.00243		
		0.132	<0.0002	0.0002	0.086	<0.0001	<0.0005	0.072	0.00003	80.3	0.0045	0.0001	0.003	15.1	0.0005	0.007	24.4	1.1	<0.00001	0.003		
		0.0147	0.00009	0.00023	0.0125	<0.00001	<0.000005	<0.05	0.000009	23.2	<0.0001	0.00102	0.00053	27.8	0.000205	0.0037	26	0.659	<0.00001	0.0004		
		0.0161	0.00008	0.00017	0.0111	<0.00001	0.000026	<0.05	0.000007	16.9	0.0001	0.000688	0.00081	15.7	0.000176	0.0031	24.9	0.437		0.00025		
		0.0128	0.00005	0.00011	0.011	<0.00001	<0.000005	<0.05	0.000005	19.9	<0.0001	0.00101	0.00048	24.6	0.000123	0.0034	25.9	0.624	<0.00001	0.00022		
		0.057	0.00013	0.00046	0.0133	<0.00001	<0.00002	<0.05	0.000021	26.4	0.0007	0.001	0.0021	62.2	0.00063	0.0031	24	1.35	<0.00001	0.00034		
KT-01		0.02	<0.0004	<0.0004	0.041	<0.0002	<0.001	0.024	0.00005	94	<0.001	<0.0002	0.059	<0.2	0.0004	<0.002	21.2	<0.01	<0.0001	0.05		
			<0.0002																			

Sample classes included in query: M sample taken for other monitoring purposes

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
DW-08-02	0.045	0.05	3.1	<0.0006	0.59	<0.00001	66.3	3.25		<0.00001	0.0004	0.0128	<0.0004	0.0007	0.007	0.0002	<0.010	0.0007	<0.0002	
	<0.001	0.05	3.24	<0.0006	0.5	<0.00001	65.8	3.24		<0.00001	<0.0001	0.0085	<0.0004	0.00053	0.018	0.0002	0.025	0.0006	0.0002	
	<0.0005		2.8	0.0003	0.55	0.00004	65.7	3.47	142	<0.00005	<0.001	0.0186	<0.0005	<0.0001	0.01	<0.001	0.008	<0.0002	0.0002	
	0.00081	0.021	1.96	<0.00004	0.214	0.000011	36.2	0.573	56	<0.000002	0.00006	0.001	0.000046	<0.0002	0.0091	<0.0001	0.0019	<0.00002	0.00004	
	0.00084		1.99	<0.00004	0.177	<0.000005	39.6	0.528	51	<0.000002	0.00008	0.0011	0.00008	<0.0002	0.0072	<0.0001	0.0061	0.00003	0.00004	
	0.00132	0.018	2.12	<0.00004	0.214	<0.000005	42.3	0.547	61	<0.000002	0.00006	0.0013	0.000037	<0.0002	0.0048	<0.0001	0.0027	<0.00002	0.00002	
	0.0012	0.019	1.9	<0.00004	0.587	0.000012	42.6	0.548	64	<0.000002	0.0003	<0.005	0.000049	<0.0005	0.013	<0.0001	0.0013	<0.00002	<0.00002	
																	0.00283	0.000126	0.000073	
KT-01	<0.001		2	0.002	5.77	<0.0002	11	1.78	66.2	<0.0001	<0.002	0.0047	0.002	0.0021	0.02	<0.002				

Station	...ved	...enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), dissolved	Phosphorous (...	P...
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
DW-08-02		0.081	<0.00004		0.049	<0.00001		0.0006	0.0001	<0.001	0.05	0.0002	0.005		0.136	<0.00001	0.00322	<0.001	0.03	3.14
		0.084	<0.00004		0.057	0.00001		0.0007	0.00008	<0.001	4.16	<0.0001	0.006		0.564	<0.00001	0.00298	<0.001	0.03	3.19
		0.073	<0.0001	<0.0005	0.073	0.00001	87.7	<0.0005	0.0001	0.002	3.6	<0.0001	0.006	27.1	0.653	<0.00001	0.003	<0.0005		2.8
		0.0117	<0.00001	<0.000005	<0.05	<0.000005	23.8	<0.0001	0.000077	0.00006	1.06	0.000017	0.0035	27	0.381	<0.00001	0.00045	0.00012	0.015	2.05
		0.0102	<0.00001	<0.000005	<0.05	<0.000005	17.6	0.0013	0.000078	0.0002	1.03	0.000125	0.0029	24.4	0.299		0.00031	0.00022		2.05
		0.0105	<0.00001	<0.000005	<0.05	<0.000005	19.4	<0.0001	0.000299	0.00016	5.51	0.000029	0.0033	26	0.444	<0.00001	0.00035	0.00062	0.012	2.12
		0.0122	<0.00001	<0.000005	<0.05	<0.000005	29.7	<0.0001	0.000114	0.00008	20.7	0.00004	0.0035	26.2	1.05		0.0003	0.00012		1.98
		0.00832	<0.000010	<0.0000050	<0.050	0.000064	17.7	0.00011	0.000345	0.00126	40.4	0.000112	0.00145	8.86	4.95	<0.000010	0.000203	0.000711	0.0189	1.48
KT-01																					

Sample classes included in query: M sample taken for other monitoring purposes

Station	), dissolved	otassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolved	Thorium (Th)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L
DW-08-02	<0.0006	0.176	<0.00001	66.7	3.04		<0.00001	<0.0001	0.0006	<0.0004	0.00011	0.003	<0.0001	0.05			<0.0001	<0.0001	<0.0001	<0.0001	
	<0.0006	0.246	<0.00001	71.8	3.37		<0.00001	<0.0001	0.0002	<0.0004	0.00026	0.004	<0.0001	0.03			<0.0001	<0.0001	0.0001	0.0006	
	<0.0002	0.18	<0.00001	70	3.34	147	<0.00005	<0.001	0.0133	<0.0005	<0.0001	0.006		<0.01							
	<0.00004	0.126	<0.000005	37.3	0.556	57	<0.000002	0.00002	<0.0005	0.000015	<0.0002	0.0005	<0.0001	<0.02			<0.00002	<0.00002	0.000008	0.000055	
	<0.00004	0.127	<0.000005	40.6	0.537	56	<0.000002	0.00003	<0.0005	0.000007	<0.0002	0.0017	<0.0001	<0.02							
	<0.00004	0.151	<0.000005	42.6	0.532	58	<0.000002	0.00003	<0.0005	0.000019	<0.0002	0.0014	<0.0001	<0.02			<0.00002	<0.00002	0.000009	0.000038	
	<0.00004	0.236	<0.000005	44.7	0.584	72	<0.000002	0.00003	<0.0005	0.000015	<0.0002	0.0018	<0.0001	0.03				<0.00002		0.00006	
	<0.000040	0.8	<0.0000050	61	0.263	46	<0.0000020	<0.00020	<0.00050	0.000071	<0.00020	0.00817	<0.00010	<0.20	120						
KT-01																					
																					<0.005
																					<0.02

Sample classes included in query: M sample taken for other monitoring purposes

Station	, total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
DW-08-02																				
																			FIELD	
																			FIELD	
																			FIELD	
																			FIELD	
																			FIELD	
KT-01	0.0003	0.038	0.02	<0.00001	0.0014	0.021	<0.03	321	<0.005	12.6		0.0001	<0.0002	203	0.002	0.006				
	0.0003	0.032	0.038	<0.00007	0.0018	0.061	0.03		0.0011			0.0014			0.0018	0.016				

Sample classes included in query: M sample taken for other monitoring purposes

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W2	Williams Creek u/s of North Williams Tributary	Oct-89	No in situ data measured			8				7.7				4					133.1
		11-Aug-2005	No in situ data measured				170				7.97			308					
		01-Oct-2005	In situ para.: pH and conductivity only				140			8.0	7.9	260		252					
		07-Jun-2006		0.0277		8		305	1.6	8.31		152		252	2.20	6.78		137	
		13-Jul-2006		0.0125		<2		258	1.1	8.21		472		419		7.34		-54	
		14-Aug-2006		0.0234		3			1.3	8.23		481		424	6.10	7.18		184	
		13-Sep-2006		0.0168		<2		278	1	7.56		557		463	4.80	8.37			
		18-Oct-2006	Discharge not measured-Ice			1	300	249	1	7.54	8.13	495		465	1.00	9.35		35	
		19-Apr-2007	Discharge not measured; overflow			<2	452	335	0.1	7.77	8.19	667		614	-0.50				
		09-May-2007	Discharge not measured, ice			<2	162	69.9	0.7	7.3	7.65	138.6		120	0.50	**15.53**			
		20-Jun-2007		0.0068		<2	320	255	0.6	8.3	8.06	526		477	2.50				
		24-Jul-2007		0.0686		100	264	197	13	8.6	7.76	392		361	5.4	8.8			
		13-Aug-2007		0.0125		<2	308	197	0.4	7.2	7.94	404		380	4.5	**9.53**	90.6		
		12-Sep-2007		0.0172		<2	286	190	0.6	8.0	7.97	389		297		**10.00**	87.3		
		11-Oct-2007		0.0335		<2	204	135	1.3	7.5	7.97	271		256	0.0	**12.42**	86.7		
		06-Mar-2008				<2	508	334	0.3	8.8	8.17	666		584	-0.5	**12.04**	84.3		
		17-Apr-2008				<2	688	89.5	0.3		8.18	179.7		914	-0.5		93.2		
		13-May-2008	No Flow			2	162		2.2	7.75	7.55	138.1		128	-0.5		100.3		
		04-Jun-2008		0.0175		4	244	339	0.7	7.01	7.91	673		254	2				
		30-Jul-2008		0.0315		3	258	195	0.6	8.06	8	392		334	5.1	**10.3**	84		
		20-Aug-2008		0.0104		<2	324		0.9	7.37	8.09	352		404	5.1	9.37	86.3		
		02-Sep-2008		0.1059		18	180	89.8	23	7.44	7.81	178		155	3.7	**9.88**	81.2		
		02-Oct-2008		0.0685		<2	226	122	0.6	7.68	7.94	245		216	1.5	**12.85**	90.5		
		26-Nov-2008				<2	336	436	<0.1	7.15	7.71	933		471	0.3				
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.1910		24	150	86	7.8	8.16	7.9	172		155	-1.7	12.15	84		75.6
		12-Jul-2009		0.006		3	280		1.1	7.90	8.2	272.4		406	7.5	9.71	81.1	170.9	206
		09-Sep-2009		0.016		<1	260		0.7	9.97	8.2	254		413	3.7	11.04	83.7	8.6	202

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		100		<6		<5		3.6	1.1						<0.003	<0.1										<0.02
	144	128	156	<6	<5	<5		0.9					31.6	<0.05	<0.005	0.03		0.43	0.1	0.08						0.079
	123	101	123	<6	<5	<5		1.1					29	<0.05	<0.005	0.02		0.65	0.1	0.1						0.035
	120													<0.05				0.55	<0.1	0.13		21.2	14.9	14.9	**0.104**
	206													<0.05				0.36	<0.1	0.1		39.6	9.3	10.1	0.063
	194													<0.05				0.28	0.1	0.05		39	10.8	11.8	0.089
	219													<0.05				0.28	0.33	0.09		40.6	8	8	0.01
	216	168	205	<6		<5	25	1.7						<0.05	<0.005	0.1		0.49	8.5	0.05		41.2	7.6	6.6	0.095
	294	207	253	<6		<5	>60	3.5					122	<0.05	<0.05	<0.1		0.46	<0.05	0.07	0.07	47.5	15.9	16.5	0.012
	70	54	66	<6		<5	>60	0.5					8.6	<0.05	<0.05	0.2		1.18	0.06	0.04		11.9	39.7	40.8	0.082
	230	175	214	<6		<5	26	2					81	<0.05	<0.05	0.2		0.29	<0.05	0.05		20.1	7.3	6.6	0.021
	174	140	171	<6		<5	50	1					58	<0.05	<0.05	<0.1		0.82	0.08	0.08		32.2	13.4	14.2	**1.44**
	182	159	194	<6		<5	57	1.2					52	<0.05	<0.05	0.2		0.44	0.06	0.08		49.1	13.3	12.8	0.067
	155	152	186	<6		<5	70	1.71					39.5	<0.05	<0.02	<0.02		0.39	<0.05	0.1		30.4	13.3	13.3	0.071
	120	104	127	<6		<5	<50	0.92					27.3	<0.05	<0.02	<0.02		0.55	<0.05	0.08		21	18.3	18.4	0.062
	336	171	208	<6		<5	29	3.95					180	<0.05	<0.02	<0.02		0.67	<0.05	0.09		41.4	5.6	5.9	0.019
		273	333	<6		<5	60	6.1					256	<0.05	<0.02	<0.02		0.62	<0.05	0.14		59.5	16.7	19.4	<0.02
	62	50	61	<6		<5	340	0.38					10.8	<0.05	<0.02	1.2		1.08	<0.05	0.04		10.5	34.9	38.4	**0.2**
	124	103	120	<6		<5	80	0.91					34.1	<0.05	0.04	0.04		0.54	<0.05	0.06	<0.05	23.1	16.6	16.7	0.1
	185	147	180	<6		<5	70	1.06					48.9	<0.05	0.03	<0.01		0.48	<0.05	0.08		32.8	15.2	14.6	0.02
	194	165	200	<6		<5	48	1.62					62.7	<0.05	<0.01	0.03		0.41	<0.05	0.07		38.3	12.8	12.8	0.029
	86	76	90	<6		<5	110	0.34					10.5	<0.05	<0.01	<0.01		0.65	0.08	0.13		16	28.2	29.8	**0.225**
	100	82	100	<6		<5	90	0.56					22.2	<0.05	<0.01	<0.01		0.53	<0.05	0.08	<0.05	21.6	20.5	19.7	**0.124**
	231	157	190	<6		<5	41	2.19					79.3	<0.05				0.35	<0.05	0.1		34.9	11.6	12	0.019
W2	77.6	61	74	<0.5	<0.5	<0.5	120	1.8		0.0007		0.0013	14	<0.005	<0.005	<0.02	0.51	0.51	0.02	0.007		11.9	22.2	21.4	**0.197**
	197	150	180	<0.5	<0.5	<0.5		1.8		<0.0005		<0.0005	64	0.01	<0.005	0.03			0.021	0.006			13.2	13.3	0.0264
	196	150	190	<0.5	<0.5	<0.5		0.8		<0.0005		<0.0005	59	0.01	<0.005	<0.02			0.006	<0.005			11.3	11.2	0.0139

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol...
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W2	<0.005	<0.02	0.035	<0.0001		<0.001	<0.0002	44.2	<0.0002	<0.0005	<0.0005	**0.371**	<0.002	0.3	12.8	0.068	<0.005	0.003		
	<0.0002	0.0006	0.043	<0.0001	<0.0005	0.01	<0.00001	39.8	<0.0005	<0.0001	0.001	**0.4**	<0.0001	0.001	10.8	0.026		0.003		
	<0.0002	0.0005	0.033	<0.0001	<0.0005	0.007	<0.00001	34	0.0005	<0.0001	0.002	0.3	<0.0001	0.001	8.9	0.029		0.002		
	<0.0002	0.0005	0.04	<0.0001	<0.0005	0.011	0.00004	31.6	<0.0005	0.0002	0.001	**0.5**	<0.0001	<0.001	9	0.111		0.003		
	<0.0002	0.0004	0.056	<0.0001	<0.0005	0.013	<0.00001	56.5	0.0006	0.0002	<0.001	**0.4**	<0.0001	0.001	14.9	0.031		0.007		
	<0.0004	0.0005	0.054	<0.0002	<0.001	0.01	<0.00002	52	<0.001	<0.0002	<0.002	**0.4**	<0.0002	<0.002	15	0.03		0.005		
	<0.0004	<0.0004	0.041	<0.0002	<0.001	0.01	<0.00002	52.1	<0.001	<0.0002	<0.002	0.3	<0.0002	<0.002	15	0.024		0.004		
	<0.0002	0.0004	0.057	<0.0001	<0.0005	0.012	<0.00001	59.8	<0.0005	<0.0001	0.002	**0.5**	0.0002	0.002	18.6	0.052		0.007		
	<0.0002	0.0004	0.054	<0.0001	<0.0005	0.004	0.00001	70.2	<0.0005	<0.0001	0.002	<0.1	<0.0001	0.003	26.4	0.081		0.005		
	<0.0004	0.0004	0.026	<0.0002	<0.001	0.008	<0.00002	20	<0.001	<0.0002	0.002	0.2	<0.0002	<0.002	5.5	0.01	<0.0001	<0.002		
	<0.0002	0.0004	0.06	<0.0001	<0.0005	0.014	<0.00001	60.4	<0.0005	0.0001	0.001	0.2	<0.0001	0.002	16.9	0.017	<0.00002	0.009		
	<0.0002	0.0008	0.084	<0.0001	<0.0005	0.017	0.00004	44.1	**0.0027**	0.0006	**0.004**	**2.2**	0.0005	0.003	13.2	0.118	<0.00002	0.005		
	<0.0004	0.0005	0.051	<0.0002	<0.001	0.02	<0.00002	47	<0.001	<0.0002	<0.002	0.3	<0.0002	<0.002	14	0.022	<0.00002	0.005		
	<0.0002	0.0009	0.045	<0.0001	<0.0005	0.009	<0.00001	39.5	**0.0012**	0.0001	0.001	0.3	<0.0001	0.001	12	0.019	<0.00002	0.004		
	<0.0002	0.0004	0.031	<0.0001	<0.0005	0.007	0.00002	32.6	**0.0011**	0.0001	0.002	0.3	0.0001	0.001	9.2	0.024	<0.00001	0.003		
	<0.0002	0.0005	0.068	<0.0001	<0.0005	0.013	0.00005	87.3	**0.0014**	<0.0001	0.002	<0.1	0.0007	0.002	22.5	0.01	<0.00001	0.005		
	<0.0002	0.0016	0.074	<0.00004		<0.005	<0.00007	106	0.0009	0.00004	<0.001	<0.02	**0.0033**	0.004	38	0.0074	<0.00001	0.00569		
	<0.0002	<0.0002	0.028	<0.00004		<0.005	<0.00007	17.3	**0.0011**	0.00023	0.002	**0.55**	0.0001	<0.001	4.4	0.0643	<0.00001	0.00079		
	<0.0002	0.0012	0.036	<0.00004		0.009	<0.00007	36.1	0.0008	0.00013	0.001	0.3	<0.0001	0.001	10.3	0.0185	<0.00001	0.0038		
	<0.0002	0.0007	0.047	<0.00004		0.011	<0.00008	49.1	<0.0004	0.00009	0.001	**0.31**	<0.0001	0.001	13.8	0.0156	<0.00001	0.00489		
	<0.0002	0.0006	0.049	<0.00004		0.009	<0.00001	53	0.001	0.00009	<0.001	**0.33**	<0.0001	0.002	15.2	0.0214	<0.00001	0.00506		
	<0.0002	0.0007	0.032	<0.00004		<0.005	<0.00001	23.6	0.001	0.00024	**0.003**	**0.86**	0.0002	<0.001	6.11	0.0296	0.00001	0.00114		
	<0.0002	0.0004	0.028	<0.0001	<0.0005	0.006	0.00001	32.7	0.0006	<0.0001	**0.008**	0.24	<0.0001	0.001	8.7	0.022	<0.00001	<0.001		
	<0.0002	0.0003	0.057	<0.00004	<0.0001	<0.005	0.00001	63.8	0.0006	0.00008	0.002	**0.33**	<0.0001	0.001	16.7	0.0573	<0.00001	0.00716		
	0.00006	0.00071	0.0321	0.00002	<0.000005	<0.05	0.000008	21	0.0004	0.000296	**0.00212**	**0.714**	0.000177	0.0007	5.62	0.121	<0.00001	0.00157		
	0.00005	0.00056	0.0517	<0.00001	<0.000005	<0.05	<0.000005	58.5	<0.0001	0.000073	0.00142	0.296	0.000048	0.0013	14.5	0.0176	<0.00001	0.00608		
	0.00005	0.00044	0.0466	<0.00001	<0.000005	<0.05	0.000017	56.6	**0.0014**	0.000066	0.00073	**0.323**	0.000118	0.0016	14.7	0.0232	<0.00001	0.00512		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W2	0.0015	<0.05	0.9	<0.005	3.99	<0.002	12.8	0.444				<0.001	<0.02	<0.0002	0.033					
	0.0009		0.5	<0.0002	8.39	<0.0001	10.5	0.396	9.8	<0.00005	<0.001	0.0038	<0.0005	0.0015	0.001	<0.001	0.02	<0.0002	0.0005	
	0.0008		0.4	<0.0002	8.37	<0.0001	9.1	0.322	8.8	<0.00005	<0.001	<0.0005	<0.0005	0.0011	0.001	<0.001	0.019	<0.0002	0.0005	
	0.0008		0.8	<0.0002	5.84	<0.0001	9.1	0.287	10.8	<0.00005	<0.001	0.0051	<0.0005	0.0017	0.004	<0.001	0.02	<0.0002	0.0005	
	0.0009		1.1	<0.0002	6.91	<0.0001	15.4	0.594	25.3	<0.00005	<0.001	0.0043	0.0009	0.0012	0.003	<0.001	0.012	<0.0002	0.0004	
	<0.001		0.8	<0.0004	7.06	<0.0002	16	0.51	22.7	<0.0001	<0.002	0.0064	<0.001	0.001	<0.002	<0.002	0.016	<0.0002	0.0004	
	<0.001		0.9	<0.0004	6.05	<0.0002	15	0.446	23.3	<0.0001	<0.002	0.002	<0.001	0.0006	0.004	<0.002	0.014	<0.0002	0.0004	
	0.0007		1	<0.0002	7.38	<0.0001	15.7	0.666	27.6	<0.00005	<0.001	0.0056	0.0009	0.001	0.003	<0.001	0.006	<0.0002	<0.0002	
	0.0007		3.2	0.0003	7.33	<0.0001	26.4	0.801	42.2	<0.00005	<0.001	0.0022	0.0009	0.0001	0.006	<0.001	<0.005	<0.0002	0.0005	
	0.002	0.02	1	<0.0004	3.8	<0.0002	4	0.17	3	<0.0001	<0.002	<0.001	<0.001	0.0009	0.01	<0.002	0.038	<0.0002	0.0005	
	0.0008	<0.02	1.2	0.0003	5.81	<0.0001	18	0.626	27.8	<0.00005	<0.001	0.0019	0.0018	0.0013	0.004	<0.001	0.008	<0.0002	0.0005	
	0.002	<0.02	1	0.0004	6.65	<0.0001	15.6	0.477	18.9	<0.00005	<0.001	0.063	0.0008	0.0059	0.022	0.001	0.06	<0.0002	0.0006	
	0.001	<0.02	0.8	0.0005	7.53	<0.0002	14	0.528	17	<0.0001	<0.002	0.0058	<0.001	0.001	0.007	<0.002	0.014	<0.0002	0.0006	
	0.0009	<0.02	0.8	<0.0002	6.35	<0.0001	12.9	0.436	13.4	<0.00005	<0.001	0.0043	0.0005	0.0009	0.006	<0.001	0.024	0.0009	0.0006	
	0.0008	<0.02	0.5	<0.0002	9.67	<0.0001	10.1	0.331	9.5	<0.00005	<0.001	0.003	<0.0005	0.001	0.005	<0.001	0.026	0.0008	0.0004	
	0.0009	<0.02	2.2	0.0005	9.42	0.00002	17.4	1.1	57.9	<0.00005	<0.001	0.0037	<0.0005	0.0002	0.014	<0.001	0.01	0.0006	<0.0002	
	0.001	0.02	4.92	<0.0006	6.6	<0.001	44.1	1.07		<0.00001	<0.004	0.0008	0.0012	0.00012	0.004	0.0001	<0.01	0.0012	0.0008	
	0.005	0.04	0.95	<0.0006	1.85	<0.0001	3.7	0.154		<0.00001	<0.0001	0.0071	<0.0005	0.00146	0.003	0.0003	<0.01	0.0008	<0.0002	
	<0.001	0.04	0.81	<0.0006	3.16	0.00007	10.7	0.35		<0.00001	0.0001	0.0033	0.0005	0.00126	0.009	0.0004	<0.01	0.0009	0.0006	
	0.002	0.02	0.73	<0.0006	7.39	<0.00001	14.3	0.53		0.00001	0.0002	0.0017	0.0006	0.00111	0.011	0.0003	0.01	0.0005	0.0004	
	0.001	0.03	0.83	<0.0006	7.6	<0.00001	15.6	0.578		<0.00001	<0.0001	0.0019	0.0007	0.00107	0.008	0.0004	0.012	0.0008	0.0005	
	<0.001	0.04	0.42	<0.0006	8.46	<0.00001	6.4	0.196		<0.00001	<0.0001	0.0107	<0.0004	0.00216	0.009	0.0005	0.046	0.0006	0.0007	
	0.0012		0.5	<0.0002	7.2	0.00006	9.7	0.236	10.4	<0.00005	<0.001	0.0056	0.0005	0.0011	0.002	<0.001	0.033	<0.0002	0.0004	
	<0.001	<0.01	0.8	<0.0006	8.15	<0.00001	14	0.642		<0.00001	0.0041	0.0017	0.0006	0.0007	0.006		0.006	0.0013	0.0004	
	0.00127	0.044	0.76	0.00008	4.5	0.000005	4.56	0.18	6	0.000003	<0.00001	0.0068	0.000225	0.0019	0.0071	0.0004	0.0447	0.00005	0.00054	
	0.001	0.016	0.81	0.0001	7.82	<0.000005	12.7	0.524	24	<0.000002	<0.00001	0.0013	0.00064	0.0009	0.0013	0.0002	0.0172	0.00005	0.00053	
	0.00063	0.018	0.94	0.00009	8.3	<0.000005	13.7	0.52	23	<0.000002	<0.00001	<0.0005	0.000631	0.0004	0.0033	0.0002	0.0112	0.00004	0.00041	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Phc
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W2																				
	0.03	<0.0001	<0.0005	0.003	<0.00001	38.1	<0.0005	<0.0001	0.001	0.34	<0.0001	<0.001	11.9	0.005		<0.001	0.0007		
	0.034	<0.0001	<0.0005	0.005	<0.00001	32.9	<0.0005	<0.0001	<0.001	0.25	<0.0001	0.001	10	0.019		0.002	<0.0005		
	0.036	<0.0001	<0.0005	0.009	0.00002	33.4	<0.0005	0.0001	0.001	0.28	0.0004	<0.001	9.7	0.103		0.004	<0.0005		
	0.057	<0.0001	0.0007	0.013	0.00001	55.2	0.001	<0.0001	0.001	0.29	0.0002	0.002	16.6	0.031		0.007	<0.0005		
	0.053	<0.0001	<0.0005	0.011	0.00001	52.5	0.0012	<0.0001	<0.001	0.22	0.0001	0.001	15.4	0.032		0.005	0.0009		
	0.052	<0.0001	<0.0005	0.014	<0.00001	59.1	0.0007	<0.0001	<0.001	0.25	<0.0001	0.002	17.3	0.029		0.006	<0.0005		
	0.052	<0.0001	<0.0005	0.009	<0.00001	58.6	<0.0005	<0.0001	<0.001	0.23	<0.0001	0.001	16.9	0.044		0.006	0.0006		
	0.054	<0.0001	<0.0005	0.004	0.00002	72.4	<0.0005	<0.0001	<0.001	0.02	<0.0001	0.003	27.6	0.082		0.004	<0.0005		
	0.025	<0.0001	<0.0005	0.004	0.00001	19.7	0.0009	<0.0001	0.002	0.18	0.0001	<0.001	5	0.006	<0.0001	<0.001	0.0012		
	0.058	<0.0001	<0.0005	0.015	<0.00001	63	0.0007	<0.0001	<0.001	0.13	<0.0001	0.002	17.5	<0.005	<0.00002	0.008	<0.0005		
	0.049	<0.0001	<0.0005	0.011	0.00002	47.2	0.001	<0.0001	0.002	0.2	0.0004	<0.001	13.6	0.044	<0.00002	0.005	<0.0005		
	0.049	<0.0001	<0.0005	0.011	<0.00001	49.2	<0.0005	0.0001	0.001	0.26	0.0002	0.001	14.5	0.018	<0.00002	0.005	<0.0005		
	0.043	<0.0001	<0.0005	0.009	<0.00001	41.4	0.0005	<0.0001	0.001	0.25	<0.0001	0.001	12.4	0.022	<0.00002	0.004	<0.0005		
	0.034	<0.0001	<0.0005	0.006	0.00001	33.9	0.0006	<0.0001	0.001	0.22	<0.0001	<0.001	9.7	0.017	<0.00001	0.002	0.0007		
	0.063	<0.0001	<0.0005	0.003	0.00004	94.8	0.001	<0.0001	<0.001	<0.01	<0.0001	0.002	24.2	0.008	<0.00001	0.004	<0.0005		
	0.076	<0.00004		<0.004	<0.00008		0.0031	0.00022	<0.001	<0.01	0.0004	0.004		0.0052	<0.00001	0.00727	<0.001	0.02	
	0.022	<0.00004		<0.004	<0.00008		<0.0006	0.00019	<0.001	0.224	0.0002	<0.001		0.0501	<0.00001	0.00087	0.002	0.02	
	0.036	<0.00004		0.01	<0.00008		0.0014	0.00016	0.001	0.15	<0.0001	0.001		0.0137	<0.00001	0.00358	<0.001	0.01	
	0.047	<0.00004		0.008	<0.00008		0.0004	0.00008	0.001	0.27	<0.0001	0.001		0.0144	<0.00001	0.00487	0.001	<0.01	
	0.047	<0.00004		0.008	<0.00001		0.0007	0.00008	<0.001	0.28	<0.0001	0.001		0.0189	<0.00001	0.00501	0.001	0.01	
	0.028	<0.00004		<0.004	<0.00001		0.0012	0.00011	0.002	0.27	<0.0001	<0.001		0.0193	<0.00001	0.00107	<0.001	0.01	
	0.03	<0.0001	<0.0005	0.005	<0.00001	28.6	<0.0005	<0.0001	0.003	0.2	<0.0001	<0.001	7.7	0.016	<0.00001	0.002	0.001		
	0.059	<0.00004		0.006	<0.00001	64.3	<0.0004	0.00014	<0.001	0.277	0.0001	0.001	17	0.0597	<0.00001	0.00723	<0.001	<0.01	
	0.0274	0.00001	<0.000005	<0.05	<0.000005	21.5	0.0001	0.000181	0.0017	0.312	0.00003	0.0006	5.78	0.0993	<0.00001	0.00163	0.00097	0.021	
	0.0512	<0.00001	<0.000005	<0.05	0.000013	55.7	<0.0001	0.000062	0.00116	0.239	0.000034	0.0013	14.2	0.0149	<0.00001	0.00602	0.00079	0.013	
	0.044	<0.00001	<0.000005	<0.05	0.00001	55.2	0.0014	0.000061	0.00067	0.288	0.000109	0.0015	14	0.021	0.00001	0.00507	0.00055	0.015	

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.6	<0.0002	9.83	<0.0001	10.5	0.141	10.5	<0.00005	<0.001	0.0014	<0.0005	0.0006	<0.001		0.03	104						
	0.4	<0.0002	9.46	<0.0001	8.9	0.32	9.6	<0.00005	<0.001	0.0017	<0.0005	0.0011	<0.001		0.02	109						
	0.4	<0.0002	6.06	<0.0001	8.1	0.309	11.7	<0.00005	<0.001	0.0014	<0.0005	0.0015	0.017		0.05							
	1	<0.0002	7.68	<0.0001	15.3	0.587	26	<0.00005	<0.001	0.002	0.001	0.0011	0.001		0.14							
	0.7	<0.0002	7.29	<0.0001	16.2	0.496	23	<0.00005	<0.001	<0.0005	0.0008	0.0011	0.006		0.03							
	1.1	<0.0002	6.87	<0.0001	17	0.598	26.4	<0.00005	<0.001	0.0015	0.0009	0.0015	0.002		0.03							
	1	<0.0002	7.02	<0.0001	16.5	0.578	27.7	<0.00005	<0.001	0.0026	0.0008	0.0008	0.002		0.1							
	3.2	<0.0002	8.48	<0.0001	27.2	0.757	44.1	<0.00005	<0.001	0.0032	0.0009	0.0008	0.002		<0.02							
	1.3	<0.0002	3.76	<0.0001	4.4	0.154	3.1	<0.00005	<0.001	<0.0005	<0.0005	0.001	0.004		<0.02							
	1.3	<0.0002	6.17	<0.0001	19.8	0.635	28.2	<0.00005	<0.001	0.0021	0.0017	0.0019	<0.001		0.11							
	0.8	<0.0002	7.09	<0.0001	17.7	0.476	20.9	<0.00005	<0.001	0.0049	0.0007	0.0018	0.009		0.12							
	0.7	<0.0002	7.83	<0.0001	15.1	0.498	17.4	<0.00005	<0.001	0.0019	0.0007	0.0012	0.003		0.04							
	0.7	<0.0002	8.03	<0.0001	13	0.456	14.1	<0.00005	<0.001	0.002	0.0005	0.001	0.003		<0.02							
	0.5	<0.0002	8.77	<0.0001	10.3	0.326	9.9	<0.00005	<0.001	0.0011	<0.0005	0.0009	0.002		0.17							
	2.2	<0.0002	10.2	<0.00001	17.3	1.15	61	<0.00005	<0.001	0.0034	<0.0005	0.0007	0.005		0.02							
		<0.0006		<0.0001		1.13		<0.00001	<0.0001	0.0009	0.0011	0.00098	<0.001	0.0002	<0.01		<0.0001	0.0001	0.0002	<0.0001		
	0.96	<0.0006	1.72	<0.00001	3.85	0.16		<0.00001	<0.0001	0.0012	<0.0006	0.00086	0.002	0.0002	0.01	120	<0.0001	0.0004	<0.0001	<0.0001		
	0.76	<0.0006	2.95	<0.00001	9.49	0.337		<0.00001	<0.0001	0.0008	0.0005	0.00123	0.006	0.0004	0.04		0.0001	0.0002	<0.0001	<0.0001		
	0.76	<0.0006	7.42	<0.00001	14.3	0.525		<0.00001	<0.0001	0.0014	0.0006	0.00106	0.002	0.0003	0.03		<0.0001	<0.0001	0.0001	<0.0001		
	0.84	<0.0006	7.64	<0.00001	15	0.57		<0.00001	<0.0001	0.0012	0.0007	0.00096	0.002	0.0003	0.03		<0.0001	<0.0001	<0.0001	<0.0001		
	0.4	<0.0006	8.42	<0.00001	6.78	0.196		<0.00001	<0.0001	0.0017	<0.0004	0.00155	0.002	0.0004	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	<0.4	<0.0002	8.48	<0.00001	8.2	0.258	7.5	<0.00005	<0.001	0.0017	<0.0005	0.001	<0.001		0.01							
	0.9	<0.0006	8.22	<0.00001	14.2	0.686		0.00001	<0.0001	0.0009	0.0006	0.00059	0.003	0.0003	0.11		<0.0001	<0.0001	<0.0001	0.0001		
W2	0.77	0.00007	4.3	<0.000005	4.6	0.182	6	<0.000002	<0.00001	0.0017	0.000196	0.0008	0.0021	0.0003	<0.02	NC	<0.00002	<0.00002	0.000017	0.000042		
	0.78	0.00009	7.78	<0.000005	12.5	0.533	22	<0.000002	<0.00001	<0.0005	0.000676	0.0009	0.0008	0.0002	0.03	100	<0.00002	<0.00002	0.00002	0.000026		
	0.87	0.00009	8.2	<0.000005	13.6	0.513	21	<0.000002	<0.00001	0.0005	0.000636	0.0003	0.0027	0.0002	<0.02	100	<0.00002	<0.00002	0.000023	0.000017		

ed norium (Th), total

Station	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
																			20.4
																			21.6
																			20.7
W2																			

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			<1	250		0.6	7.90	8	238.4		436	-0.1	10.23	70.0	43.2	189
		12-May-2010	Considerable ice within visible stream reach. Water flowing on top of ice sheet.	0.074		<1	150		0.6	7.94	7.9	88.6		179	0	11.58	86.3	85.4	87.5
		10-Jun-2010		0.023		<1	280		0.6	7.71	8	262.1		458	3	11.72	87.6	364.9	188
		17-Aug-2010		0.015		1	210		1	7.96	8.27	203.1		308	7.5	9.48	86.7	54.1	147
		20-Oct-2010	Flows too low and delineated to accurately meter flows			1	240		1.4	7.76	8.07	134.1		312	-0.1	10.86	76.4	342.1	146
		31-May-2011	Some ice remaining on higher bank above water; dead leaves perched up in trees demonstrating much higher water flow lately	0.05		2	160		1.3	8.09	7.83	132.7		220	4.2	12.38	95.9		98.2
		29-Jun-2011		0.069		13	160		4	7.94	7.87	136		209	6.8	10.57	99.4	12.4	99.2
		07-Sep-2011	Moderate flows.	0.044		4	160		1.3	7.8	8.11		223.8	231	4.7	11.85	93	21.5	108
		27-Oct-2011				2	220		1	7.89	8.01		735.29	360	0.2				160
		25-May-2012	Abundant willow and debris in creek - could affect dicharge measurement; Ion Balance Non-Calculable	0.059		10.1	142			7.87	7.91		180.2	184	1.8	13.9	100	328.4	86.6
		10-Aug-2012	High flows and turbid, did not do flow reading due to time constraints. Ion Balance Non-Calculable.			159	180			7.86	8.06		258.3	245	6.9	13.1	106.9	31.2	123
		03-Oct-2012		0.0142		3.3	212			7.59	8.24		291	262	-0.10	14.54	99	53.2	121
		Oct-89	No in situ parameters measured			<5					7.5			380					167.4
		Aug-91	No in situ parameters measured			<5			<1		8.2			263					157
		Dec-91	No flow																
		May-92	No in situ parameters measured			<5			1		7.9			114					52.9
		Jul-92	No in situ parameters measured			<5			1		7.5			210					131

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	202	160	190	<0.5	<0.5	<0.5		1.5		<0.0005		<0.0005	69	<0.005	<0.005	0.05			0.01	<0.005			10.8	13.8	0.01	
	87.5	71	87	<0.5	<0.5	<0.5	100	1.1		0.0008		0.0006	21	0.07	<0.005	<0.02	0.55	0.55	0.009	<0.005			13.4	24.6	22.2	0.0339
	195	140	180	<0.5	<0.5	<0.5	20	1.9		0.0007		0.0007	74	0.02	<0.005	0.07	0.25	0.17	0.009	0.006			33	7.1	7.5	0.0113
	146	130	160	<0.5	<0.5	<0.5	60	1.1				<0.0005	43	0.15	<0.005	0.07	0.33	0.26	0.018	<0.005			0.7	18.5	18.6	0.0321
	149	120	150	<0.5	<0.5	<0.5	30	1.2		<0.0005		<0.0005	37	0.028	<0.005	<0.02	0.5	0.5	0.017	0.009			27.3	14.8	15.3	0.0304
	101	90	110	<0.5	<0.5	<0.5	75	1.6		<0.0005		<0.0005	25	0.009	<0.005	<0.02	0.48	0.48	0.008	<0.005			20.6	19.3	19.3	0.0431
	98.6	89	110	<0.5	<0.5	<0.5	60	1.4		0.0019		0.0016	16	0.027	<0.005	0.08	0.47	0.38	0.033	0.013			20.2	21.6	21.9	**0.228**
	102	98	120	<0.5	<0.5	<0.5	60	1.3		<0.005		<0.005	17	0.04	<0.005	<0.02	0.24	0.24	0.014	0.008			23.3	20.4	22.4	0.054
	165	130	150	<0.5	<0.5	<0.5	30	1.4		<0.0005		<0.0005	40.8	0.034	<0.005	0.06	0.43	0.37	0.022	0.019			34.6	12.9	12.9	0.03
	85.1	78.9	96.3	<0.50	<0.50	<0.50		1.2	0.2				13.5	0.02	<0.050	<0.20								17	17.8	0.0658
	119	111	135	<0.50	<0.50	<0.50		0.92	0.25				15.6	0.013	<0.050	<0.20								18.2	24.5	**0.685**
	121	116	141	<0.50	<0.50	<0.50		1	0.22				20.7	0.025	<0.050	<0.20								16.8	17.8	0.0425
		130						2.8	<1				21	0.08	<0.003	<0.1										<0.02
		153											8.1	<0.05	<0.003	<0.1										<0.005
		57											3.6	<0.05	<0.03	<0.05										0.091
		152											9.5	<0.05	<2.0	<0.2										0.067

SURFACE WATER - STREAMS

Station	n	c Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol…
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			0.00003	0.00035	0.0456	<0.00001	<0.000005	<0.05	0.000014	51.7	<0.0001	0.000064	0.00054	0.284	0.000022	0.0013	14.5	0.041	<0.00001	0.00544	
			0.00003	0.00046	0.0272	<0.00001	<0.000005	<0.05	0.000015	24.1	<0.0001	0.000112	0.00157	0.246	0.000117	0.0008	6.66	0.0292	<0.00001	0.00159	
			0.00005	0.00034	0.0493	<0.00001	<0.000005	<0.05	<0.000005	50	0.0002	0.000054	0.00048	0.173	0.000054	0.0016	15.5	0.024		0.00646	
			0.00006	0.00067	0.0432	0.00001	<0.000005	<0.05	0.000025	40.1	0.0006	0.000092	0.00136	**0.399**	0.000149	0.0013	11.4	0.0232	<0.00001	0.00331	
			0.00003	0.00046	0.0383	<0.00001	<0.000005	<0.05	<0.000005	39.8	0.0002	0.000082	0.00092	**0.384**	0.000011	0.0011	11.4	0.0388	<0.00001	0.00347	
			0.00004	0.0005	0.0319	<0.00001	<0.000005	<0.05	0.000019	27.2	0.0002	0.000096	0.0015	0.297	0.000241	0.0008	7.38	0.0193	<0.00001	0.00216	
			0.00008	0.0009	0.0394	0.00002	<0.000005	<0.05	0.000077	27.5	**0.0011**	0.000367	**0.00379**	**0.8**	0.000982	0.001	7.4	0.0659	<0.00001	0.00127	
			0.00005	0.00064	0.0368	0.00001	<0.000005	<0.05	0.000031	30	0.0004	0.000131	0.00167	**0.363**	0.000956	0.0009	8	0.0296	<0.00001	0.00181	
			0.00003	0.00049	0.0443	<0.00001	<0.000005	<0.05	0.000013	43.7	0.0003	0.00011	0.00083	**0.369**	0.000097	0.0013	12.5	0.0584	<0.00001	0.00276	
			0.000034	0.000563	0.0312	<0.000010	<0.0000050	<0.050	0.0000265	23.9	0.00022	0.000183	0.00162	**0.511**	0.0000678	0.0007	6.53	0.0699	<0.000010	0.00168	
			0.000065	0.00128	0.0686	0.000056	<0.0000050	<0.050	0.000027	34.3	**0.00105**	0.000895	**0.00493**	**2.28**	0.000594	0.00112	9.06	0.204	<0.000010	0.00117	
			0.000036	0.000585	0.0345	0.00001	<0.0000050	<0.050	<0.0000050	33.7	0.00024	0.000111	0.000909	**0.381**	0.000039	0.00084	9.05	0.0448	<0.000010	0.00179	
			<0.005	<0.02	0.037	<0.0001		<0.001	<0.0002	52.4	**0.0024**	<0.0005	<0.0005	0.084	<0.002	0.34	8.89	0.57	<0.005	<0.001	
			<0.05	<0.05	0.051	<0.0005	<0.01		<0.0003	48.3	**0.009**	<0.001	<0.001	0.088	<0.004	<0.05	8.74	0.004		<0.005	
			<0.02	<0.04	0.019	<0.0002	<0.02		<0.0003	15	<0.001	<0.001	<0.001	0.171	<0.004	<0.05	3.56	0.004		<0.003	
			<0.02	<0.04	0.038	<0.0002	<0.02		<0.0003	39.8	<0.001	<0.001	**0.009**	0.172	<0.004	<0.05	7.3	0.159		<0.003	

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00067	0.013	0.78	0.00009	7.2	<0.000005	13	0.542	24	<0.000002	<0.00001	<0.0005	0.000663	0.0003	0.0005	0.0002	0.0116	0.00005	0.00035	
	0.00076	0.02	0.73	0.00007	4.92	<0.000005	6.07	0.22	<10	<0.000002	<0.00001	0.0008	0.000181	0.0006	0.0015	0.0002	0.0295	0.00006	0.00042	
	0.00055		1.1	0.00009	5.73	<0.000005	14.9	0.544	26	<0.000002	<0.00001	<0.0005	0.00102	0.0007	0.0011	0.0001	0.0074	0.00005	0.00035	
	0.00115	0.029	0.63	0.00009	8.66	0.000011	10.7	0.408	13	<0.000002	0.00001	0.0012	0.000359	0.0012	0.004	0.0003	0.0225	0.00003	0.00059	
	0.00068	0.023	0.63	0.00009	8.81	<0.000005	9.92	0.396	15	<0.000002	<0.00001	0.0005	0.000463	0.0006	0.0005	0.0003	0.0206	0.00004	0.00047	
	0.00086		0.6	0.00009	6.54	<0.000005	6.53	0.258	<10	<0.000002	<0.00001	0.0016	0.000216	0.0009	0.0019	0.0002	0.0207	0.00004	0.00045	
	0.0018		0.4	0.00009	8.4	0.000014	6.54	0.261	<10	<0.000002	0.00007	0.0091	0.000193	0.0023	0.0158	0.0004	0.0273	0.00005	0.0005	
	0.00124	0.021	0.49	0.00008	8.85	0.000006	7.14	0.267	<10	<0.000002	0.00002	0.0018	0.000273	0.001	0.0066	0.0003	0.0267	0.00005	0.0006	
	0.0007	0.022	0.75	0.0001	7.8	<0.000005	11.7	0.431	15	<0.000002	<0.00001	0.0009	0.000582	0.0007	0.0023	0.0002	0.0165	0.00004	0.00047	
	0.00106	0.03	0.672	0.000078	5.85	<0.0000050	5.93	0.199	<10	<0.0000020	<0.00020	0.00295	0.000232	0.00116	0.00197	0.00023	0.0207	0.000037	0.00049	
	0.00232	0.0922	0.45	0.000054	9.37	0.000005	8.58	0.307	<10	0.000006	<0.00020	0.022	0.000441	0.00611	0.00478	0.00044	0.0272	0.000055	0.000589	
	0.000751	0.0245	0.491	0.000092	9.06	<0.0000050	8.18	0.284	<10	<0.0000020	<0.00020	0.00229	0.000331	0.00093	0.00053	0.00026	0.0217	0.00009	0.000505	
	0.0009	<0.05	0.8	<0.005	4.33	<0.002	7.32	0.481				<0.001	<0.02	<0.0002	**0.0523**					
	<0.001	<0.02	0.38	<0.01	13	<0.001	8.06	0.27				<0.001	<0.02	0.0032	0.002	<0.001	<0.005	<0.005	<0.05	
	<0.001	0.03	1.26	<0.02	5.19	<0.001	2.36	0.11				0.002	<0.02	<0.001	0.005	<0.001	0.046	<0.02	<0.04	
	0.005	0.03	0.69	<0.02	10.2	<0.001	6.44	0.36				<0.001	<0.02	<0.001	0.004	<0.001	0.066	<0.02	<0.04	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0473	<0.00001	<0.000005	<0.05	0.000007	55.3	0.0001	0.000065	0.0005	0.271	0.000025	0.0014	15.6	0.0423	<0.00001	0.00562	0.00052	0.015		
	0.0274	<0.00001	<0.000005	<0.05	0.000017	24	<0.0001	0.000111	0.00168	0.222	0.000303	0.0007	6.74	0.0291	<0.00001	0.00164	0.0009	0.016		
	0.0502	<0.00001	<0.000005	<0.05	0.000007	51.9	0.0001	0.000046	0.00048	0.142	0.000014	0.0014	15.8	0.0239		0.00681	0.00048			
	0.0417	<0.00001	<0.000005	<0.05	<0.000005	39.8	0.0006	0.000073	0.00113	0.329	0.000093	0.0013	11.4	0.0187	0.00001	0.00326	0.00087	0.022		
	0.0375	<0.00001	<0.000005	<0.05	0.000007	39.7	0.0002	0.00008	0.00092	0.326	0.000013	0.001	12	0.0385	<0.00001	0.00327	0.0007	0.02		
	0.0311	<0.00001	<0.000005	<0.05	0.000025	27.8	0.0002	0.000062	0.00132	0.201	0.000062	0.0008	7.76	0.0115		0.00226	0.00077			
	0.0314	0.00001	<0.000005	<0.05	0.000012	27.4	0.0002	0.000073	0.00162	0.197	0.000057	0.0009	7.3	0.0124		0.00168	0.00096			
	0.0345	<0.00001	<0.000005	<0.05	0.000011	28.9	0.0003	0.000105	0.00122	0.278	0.000058	0.0007	7.21	0.024	<0.00001	0.00155	0.0009	0.016		
	0.0439	<0.00001	<0.000005	<0.05	0.000022	44.5	0.0002	0.000094	0.00076	0.294	0.000085	0.0013	13.1	0.0562	<0.00001	0.00287	0.00071	0.02		
	0.0285	<0.000010	<0.0000050	<0.050	0.0000093	23.2	0.00025	0.000117	0.00124	0.261	0.0000194	0.00071	6.6	0.0483	<0.000010	0.0017	0.00101	0.0143		
	0.0393	<0.000010	<0.0000050	<0.050	<0.0000050	32.8	0.00033	0.000177	0.00168	0.416	0.000101	0.00095	9	0.0826	<0.000010	0.00178	0.000901	0.0146		
	0.0344	<0.000010	<0.0000050	<0.050	<0.0000050	33.6	0.00022	0.000097	0.00101	0.298	0.000053	0.00076	9.06	0.0403	<0.000010	0.0019	0.000741	0.017		
	0.05	<0.0005	<0.01		<0.0003	45.8	<0.001	<0.001	<0.001	0.064	<0.004	<0.05	8.6	0.004		<0.005	<0.001	<0.02		
	0.017	<0.0002	<0.02		<0.0003	14.4	<0.001	<0.001	<0.001	0.11	<0.004	<0.05	3.4	0.002		<0.003	<0.001	0.02		
	0.036	<0.0002	<0.02		<0.0003	33.6	<0.001	<0.001	<0.001	0.11	<0.004	<0.05	5.9	0.154		<0.003	0.003	<0.02		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.85	0.0001	8	<0.000005	14.2	0.563	24	<0.000002	<0.00001	<0.0005	0.000675	0.0004	0.0008	0.0002	0.05	100	<0.00002	<0.00002	0.000026	0.000022		
	0.73	0.00007	4.8	<0.000005	5.96	0.222	<10	<0.000002	<0.00001	0.0006	0.0002	0.0006	0.0026	0.0002	<0.02		<0.00002	<0.00002	0.000011	0.000014		
	1.15	0.0001	6.28	<0.000005	15.2	0.571	29	<0.000002	<0.00001	<0.0005	0.00108	0.0007	0.0008	0.0001	0.07							
	0.62	0.00008	8.69	<0.000005	10.7	0.408	12	<0.000002	<0.00001	0.0006	0.000388	0.0009	0.0019	0.0003	0.07		<0.00002	<0.00002	0.000015	0.00002		
	0.66	0.00009	9	<0.000005	10.7	0.391	15	<0.000002	<0.00001	<0.0005	0.000467	0.0005	0.001	0.0003	<0.02		<0.00002	<0.00002	0.000013	0.000014		
	0.62	0.00007	6.62	<0.000005	6.84	0.256	<10	<0.000002	<0.00001	0.0008	0.00022	0.0007	0.0013	0.0002	<0.02							
	0.33	0.00009	8.52	0.000008	6.38	0.252	<10	<0.000002	<0.00001	0.0009	0.000159	0.0011	0.0012	0.0003	0.08							
	0.43	0.00009	8.28	<0.000005	6.44	0.252	<10	<0.000002	<0.00001	0.0009	0.000229	0.0008	0.0017	0.0003	<0.02	NC	<0.00002	<0.00002	0.000013	0.000015		
	0.77	0.00011	7.9	<0.000005	12.5	0.442	16	<0.000002	<0.00001	0.0007	0.000671	0.0007	0.0035	0.0002	0.06	110	<0.00002	<0.00002	0.000008	<0.000005		
	0.683	0.000064	5.87	<0.0000050	5.9	0.201	<10	<0.0000020	<0.00020	<0.00050	0.000213	0.00084	0.00088	0.0002	<0.20							
	0.453	0.000058	8.74	<0.0000050	8.64	0.284	<10	<0.0000020	0.00073	0.0009	0.000327	0.00148	0.00295	0.00027	<0.20							
	0.487	0.000057	8.84	<0.0000050	8.3	0.284	<10	<0.0000020	<0.00020	0.00072	0.000335	0.00082	0.00048	0.00027	<0.20							
																				<0.01		
	0.34	<0.01	9	<0.001	7.42	0.26				<0.001	<0.02	0.0016	0.002	<0.001					<0.02	<0.02		
	1.1	<0.02	5.08	<0.001	2.33	0.1				<0.001	<0.02	<0.001	0.003	<0.001					<0.005	<0.005		
	0.7	<0.02	7.9	<0.001	6.16	0.31				<0.001	<0.02	<0.001	0.002	<0.001					<0.005	<0.005		

SURFACE WATER - STREAMS

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
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SURFACE WATER - STREAMS

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W3	Lower North Williams Creek Tributary	Oct-92	No in situ parameters measured			<5			<1		7.4			340					180
		May-94	No in situ parameters measured			<5	188		1		7.7			240					107.5
		Sep-97	In situ para.: pH and conductivity only			2	216			7.4	7.35	200							158
		11-Aug-2005	In situ param: conductivity measured				210				7.51	330		367					
		01-Oct-2005	In situ para.: pH and conductivity only				180			8.5	7.66	320		318					
		30-Mar-2006				<2			1.2	**6.36**	7.1	283		410					
		07-Jun-2006	Flow not measured: low flow			<2		389	0.8	7.74		191		313	2.6	**4.30**		120	
		13-Jul-2006	Discharge not measured; low flow.			20		478	2.2	7.6		949		363		**2.20**		52	
		14-Aug-2006		0.0040		<2		214	0.7	7.64		411		372	4.1	**3.71**		183	
		13-Sep-2006		0.0007		5		240	0.8	6.82		482		395	8.7	**4.16**			
		18-Oct-2006	Discharge not measured-Ice			16	233	211	4.3	7.03	7.99	422		391	1.6	**3.72**		21.0	
		19-Apr-2007	Discharge not measured; ice			2	310	113	0.6	7.20	7.89	428		381					
		09-May-2007		0.0375		<2	174	61.3	0.2	7.71	7.58	123		101	0.05	8			
		20-Jun-2007		0.0006988		19	262	224.0	1.5	7.70	7.7	449		386	0.4				
		24-Jul-2007		0.0005		4	280	215	0.2	7.3	7.36	441		394	2.6	**4.63**			
		13-Aug-2007		0.0007		<2	290	170	<0.1	7.2	7.5	333		415	3.0	5.83	68.7		
		12-Sep-2007		0.0010		<2	326	246	0.3	7.3	7.52	493		372	1.5	6.22	53.5		
		11-Oct-2007		0.0011		<2	258	204	1.2	6.7	7.62	408		383	0.5	8.31	57.4		
		06-Mar-2008	No Water																
		17-Apr-2008				4	290	92	0.2		8.05	337		433	0.50		87.0		
		13-May-2008		0.0362		<2	178		1.1	7.12	7.39	114.5		108	1		87.0		
		04-Jun-2008	No discharge, reason not specified			<2	256	252	1.3	6.99	7.55	469		278	1.20				
		30-Jul-2008		0.0005		11	244	195	0.4	7.13	7.49	387		317	2.50	4.82	35.5		
		20-Aug-2008		0.0010		26	278		0.7	7.12	7.6	304		342	2.70	7.8	67.1		
		02-Sep-2008		0.0159		6	226	116	<0.1	7.09	7.65	235		210	3.40	9.73	76.8		
		02-Oct-2008		0.0075		<5	228	135	0.1	7.11	7.82	271		244	2.00	9.61	69.0		
		26-Nov-2008				7	270	402	<0.1	7.27	7.58	801		314	0.20				

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W3		160											16.8	0.07	<2	<0.2										0.03
		112						0.83	<1				14	<0.05	<0.5	<0.05										0.04
		158						1.4	0.18				20		0.001	0.017										**0.197**
	181	177	216	<6	<5	<5		1.8					26	<0.05	<0.005	<0.01		0.23	<0.1	0.07						0.037
	164	143	174	<6	<5	<5		1.1					22	<0.05	<0.005	0.01		0.42	0.1	0.09						0.01
	218													<0.05				0.48	<0.1	0.13			10.9		0.006
	168													<0.05				0.46	<0.1	0.12		15.7	14.1	14.1	0.029
	189													<0.05				0.32	0.1	0.11		44.8	11.5	13.3	**0.312**
	187													<0.05				0.36	0.1	0.05		42.9	12.9	13.5	0.05
	200													<0.05				0.3	0.4	0.09		44.4	10	10.6	0.023
	202	187	228	<6		<5	17	1.2						<0.05	<0.005	0.02		0.33	0.08	0.05		46.7	10.3	10.8	0.042
	221	163	199	<6		<5	>60	2.6					40	<0.05	<0.05	<0.1		0.75	0.06	0.06	0.08	50.8	23.6	26.5	0.013
	68	51	62	<6		<5	>60	0.3					2.8	0.11	<0.05	<0.1		1.28	0.06	0.04		10.7	46.6	50.5	0.078
	197	175	214	<6		<5	26	1.3					36	0.06	<0.05	0.1		0.45	4.36	0.06		22.3	12.6	13.5	**0.188**
	215	182	222	<6		<5	20	1.2					41	<0.05	<0.05	<0.1		0.33	<0.05	0.09		43.8	10.6	10.6	0.012
	211	189	231	<6		<5	20	1.5					43	<0.05	<0.05	0.2		0.29	0.06	0.07		52.6	9.8	9.4	0.021
	207	197	241	<6		<5	19	1.67					40.7	<0.05	<0.02	<0.02		0.41	<0.05	0.09		42.6	8.4	8.4	**0.165**
	198	175	214	<6		<5	24	0.57					29.8	<0.05	<0.02	<0.02		0.44	<0.05	0.07		38.5	10.9	10.9	0.03
		191	233	<6		<5	34	2.04					51.4	<0.05	<0.02	<0.02		0.3	<0.05	0.08		42.7	10.1	10.9	<0.02
	62	50	60	<6		<5	440	0.22					3.03	<0.05	<0.02	2		1.45	0.1	0.05		14.5	39.8	50.7	**0.3**
	146	132	160	<6		<5	58	0.77					23.8	<0.05	0.04	0.03		0.69	0.15	0.07	<0.05	31	18	18.7	**1.76**
	179	159	190	<6		<5	30	0.65					27	<0.05	0.05	<0.01		0.63	<0.05	0.08		38.5	13.1	12.6	0.08
	170	164	200	<6		<5	26	1.01					31.6	<0.05	<0.01	0.03		0.59	0.05	0.07		40.6	13	13.2	**1.06**
	121	107	130	<6		<5	90	0.43					10.5	<0.05	0.02	<0.01		0.72	0.06	0.12		25	27.6	28.7	**0.176**
	120	109	130	<6		<5	58	0.43					13.4	<0.05	<0.01	<0.01		0.53	<0.05	0.08	<0.05	29.2	20.6	19.7	0.026
	164	138	170	<6		<5	36	0.67					23	<0.05				0.49	<0.05	0.09		32.2	16	16.4	0.056

Station	n	c Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W3		<0.02	<0.05	0.092	<0.0002	<0.02		<0.0004	53.3	<0.001	<0.001	0.013	0.261	<0.005	<0.05	11.1	0.361		<0.004		
		<0.02	<0.02	0.04	<0.0002	<0.02		<0.0005	33.9	<0.001	<0.001	0.028	0.38	<0.01	<0.002	6	0.124		<0.005		
		0.00006	0.0007	0.0429	<0.0005	<0.0005	0.003	<0.00005	51.6	<0.0005	0.0002	0.0017	0.6	0.00015	<0.001	9.27	0.293	<0.00005	0.00087		
		<0.0002	0.0004	0.047	<0.0001	<0.0005	0.006	<0.00001	55.5	<0.0005	<0.0001	0.001	0.2	<0.0001	0.001	9.3	0.128		<0.001		
		<0.0002	0.0004	0.042	<0.0001	<0.0005	0.005	<0.00001	50.1	<0.0005	<0.0001	0.001	0.1	<0.0001	0.002	8.4	0.132		<0.001		
		<0.0002	0.0006	0.048	<0.0001	<0.0005	0.003	0.00002	65.7	<0.0005	0.0001	0.002	0.3	0.0001	0.001	11.5	0.157		<0.001		
		<0.0002	0.0005	0.051	<0.0001	<0.0005	0.005	<0.00001	51	<0.0005	0.0001	0.002	0.2	<0.0001	<0.001	8.9	0.159		<0.001		
		<0.0002	0.0007	0.047	<0.0001	<0.0005	0.006	<0.00001	61.6	0.001	0.0002	0.002	**0.9**	0.0002	0.001	9.9	0.28		<0.001		
		<0.0004	0.0004	0.05	<0.0002	<0.001	0.008	<0.00002	54.2	<0.001	<0.0002	<0.002	<0.2	<0.0002	<0.002	9.4	0.12		<0.002		
		<0.0004	0.0005	0.042	<0.0002	<0.001	0.009	<0.00002	56.5	<0.001	<0.0002	<0.002	<0.2	<0.0002	<0.002	9.9	0.12		<0.002		
		<0.0002	0.0005	0.051	<0.0001	<0.0005	0.007	<0.00001	61.7	<0.0005	<0.0001	0.001	0.6	0.0001	0.001	11.8	0.199		<0.001		
		<0.0002	0.0005	0.056	<0.0001	<0.0005	0.006	0.00003	61.1	<0.0005	0.0002	0.001	0.2	0.0001	0.001	11.4	0.161		<0.001		
		<0.0004	<0.0004	0.028	<0.0002	<0.001	0.006	<0.00002	21.5	<0.001	<0.0002	0.004	0.2	0.0002	<0.002	4.1	<0.01	<0.0001	<0.002		
		<0.0002	0.0005	0.06	<0.0001	<0.0005	0.007	0.00001	59.6	<0.0005	0.0002	0.002	0.5	0.0002	0.001	9.8	0.347	<0.00002	<0.001		
		<0.0002	<0.0002	0.054	<0.0001	<0.0005	0.008	<0.00001	61.2	<0.0005	<0.0001	0.001	0.1	<0.0001	0.001	10.7	0.121	<0.00002	<0.001		
		<0.0002	0.0004	0.054	<0.0001	<0.0005	0.007	<0.00001	63.5	<0.0005	0.0001	0.001	<0.1	0.0001	0.001	11.1	0.078	<0.00002	<0.001		
		<0.0002	0.0005	0.057	<0.0001	<0.0005	0.005	<0.00001	61.8	0.0039	0.0002	0.001	0.2	<0.0001	0.001	11.4	0.076	<0.00002	<0.001		
		<0.0002	0.0003	0.045	<0.0001	<0.0005	0.007	<0.00001	58.9	0.0014	<0.0001	0.002	0.1	0.0002	0.001	10.1	0.083	<0.00001	<0.001		
		<0.0002	0.0012	0.07	<0.00004		<0.005	<0.00007	65.6	0.0015	<0.00002	<0.001	<0.02	0.0038	0.002	12.4	0.0075	<0.00001	0.00111		
		<0.0002	0.0003	0.037	0.00005		<0.005	<0.00007	19.2	0.0012	0.00033	0.004	0.7	0.0003	<0.001	3.34	0.0557	0.00001	0.00028		
		<0.0002	0.0003	0.08	<0.00004		0.006	<0.00007	48	0.0036	0.00104	0.005	2.39	0.0011	0.002	8.39	0.174	<0.00001	0.00076		
		<0.0002	0.0006	0.043	<0.00004		0.007	<0.00008	56.1	0.0006	0.00014	0.002	0.25	0.0002	0.001	9.64	0.0885	<0.00001	0.00113		
		<0.0002	0.0022	0.078	<0.00004		0.006	0.00003	57.5	0.0027	0.00079	0.003	4.66	0.0009	0.002	9.64	0.54	0.00001	0.00076		
		<0.0002	0.0003	0.036	<0.00004		<0.005	0.00001	36.2	0.0009	0.0002	0.003	0.48	0.0003	<0.001	6.38	0.0367	0.00001	0.00056		
		<0.0002	0.0004	0.033	<0.0001	<0.0005	0.004	<0.00001	36.8	<0.0005	<0.0001	0.003	0.06	0.0001	0.001	6.4	0.034	<0.00001	<0.001		
		<0.0002	0.0004	0.037	<0.00004	<0.0001	<0.005	<0.00001	49.6	0.0006	0.00008	0.002	0.26	0.0001	<0.001	8.54	0.122	<0.00001	0.00089		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W3	0.006	0.03	0.96	<0.02	12.6	<0.001	8.51	0.46				<0.001	<0.02	0.006	0.009	<0.001	<0.005	<0.02	<0.05	
	0.005	<0.05	1.4	<0.02	6.23	<0.001	5.41	0.235	3.92		<0.01	0.005	<0.06	<0.002	<0.005	<0.001	<0.01	<0.02	<0.02	
	0.0014	<0.3	<2	<0.001	8.16	<0.00001	8	0.383		<0.00005	<0.0001	<0.01	0.00028	0.001	0.002		0.011	0.0001	0.0005	
	0.0007		0.5	<0.0002	7.59	<0.0001	8.2	0.458	8.8	<0.00005	<0.001	0.001	<0.0005	0.0006	0.001	<0.001	<0.005	<0.0002	0.0004	
	0.0007		0.5	<0.0002	7.37	<0.0001	7.3	0.419	7.2	<0.00005	<0.001	<0.0005	<0.0005	0.0005	<0.001	<0.001	0.006	<0.0002	0.0004	
	0.0007		0.5	<0.0002	7.66	<0.0001	8.2	0.474	14.6	<0.00005	<0.001	0.0012	<0.0005	0.0006	0.002	<0.001	<0.005	<0.0002	0.0005	
	0.0006		0.7	<0.0002	6.93	<0.0001	6.9	0.368	10.6	<0.00005	<0.001	0.0018	<0.0005	0.001	<0.001	<0.001	0.01	<0.0002	0.0005	
	0.0013		0.7	<0.0002	7.85	<0.0001	8	0.515	12.4	<0.00005	<0.001	0.0137	<0.0005	0.0019	0.004	<0.001	<0.005	<0.0002	0.0004	
	<0.001		<0.8	<0.0004	7.41	<0.0002	7.6	0.427	9.6	<0.0001	<0.002	<0.001	<0.001	0.0008	<0.002	<0.002	0.007	<0.0002	0.0004	
	<0.001		<0.8	<0.0004	6.97	<0.0002	8.1	0.46	10	<0.0001	<0.002	0.002	<0.001	0.0005	0.004	<0.002	0.007	<0.0002	0.0003	
	0.0007		0.6	<0.0002	7.89	<0.0001	8.2	0.558	11.8	<0.00005	<0.001	0.0023	<0.0005	0.0008	0.002	<0.001	<0.005	<0.0002	<0.0002	
	0.0008		2.6	<0.0002	7.07	<0.0001	8.9	0.52	15.4	<0.00005	<0.001	0.0012	<0.0005	0.0003	0.008	<0.001	<0.005	<0.0002	0.0007	
	0.0021	0.03	1	<0.0004	4.52	<0.0002	2.9	0.14	1	<0.0001	<0.002	<0.0010	<0.001	0.0008	0.01	<0.002	0.047	<0.0002	0.0005	
	0.001	<0.02	0.6	<0.0002	5.92	<0.0001	8.6	0.55	12.1	<0.00005	<0.001	0.0091	<0.0005	0.0015	0.006	<0.001	0.01	<0.0002	0.0006	
	<0.0005	<0.02	0.7	<0.0002	7.31	<0.0001	8.9	0.627	13.4	<0.00005	<0.001	0.0013	<0.0005	0.0007	0.005	<0.001	0.006	<0.0002	0.0004	
	0.0008	<0.02	0.6	0.0002	7.57	<0.0001	9.2	0.615	14.4	<0.00005	<0.001	0.0027	<0.0005	0.0006	0.002	<0.001	<0.005	<0.0002	0.0004	
	0.0014	<0.02	0.7	<0.0002	7.26	<0.0001	8.8	0.55	13.3	<0.00005	<0.001	0.0171	<0.0005	0.0004	0.004	<0.001	0.014	0.0007	0.0003	
	<0.0005	<0.02	0.6	<0.0002	8.52	<0.0001	9.5	0.603	10.1	<0.00005	<0.001	0.0017	<0.0005	0.0005	0.012	<0.001	0.006	0.0009	<0.0002	
	<0.001	0.02	1.03	<0.0006	3.9	<0.001	10	0.83		<0.00001	<0.004	0.0008	<0.0005	<0.00003	0.003	<0.0001	<0.01	0.0016	0.0008	
	0.007	0.08	0.93	<0.0006	2.43	<0.0001	2.8	0.131		<0.00001	<0.0001	0.0092	<0.0005	0.00222	0.003	0.0004	<0.01	0.0007	<0.0002	
	0.003	0.21	0.75	<0.0006	4.71	<0.00005	7.4	0.36		<0.00001	0.0003	0.0336	<0.0004	0.00722	0.011	0.0007	<0.01	0.0007	<0.0002	
	0.002	0.02	0.63	<0.0006	7.63	<0.00001	9.4	0.492		0.00007	0.0027	0.0042	<0.0004	0.00095	0.006	0.0002	<0.01	0.0005	0.0003	
	0.01	0.27	0.9	<0.0006	9.33	<0.00001	9	0.498		<0.00001	<0.0001	0.0435	<0.0004	0.0072	0.007	0.0003	<0.01	0.0006	0.0003	
	<0.001	0.03	0.52	0.0008	8.19	<0.00001	6.8	0.26		<0.00001	<0.0001	0.0073	<0.0004	0.00162	0.006	0.0004	0.038	0.0005	0.0006	
	0.001		0.5	<0.0002	5.63	0.00008	6.7	0.31	4.6	<0.00005	<0.001	0.0014	<0.0005	0.0009	0.004	<0.001	0.018	<0.0002	0.0004	
	<0.001	0.013	0.5	<0.0006	7.44	<0.00001	7.61	0.431		<0.00001	<0.0001	0.0029	<0.0004	0.0007	0.008		<0.005	0.0008	0.0004	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W3	0.046	<0.0002	<0.02		<0.0004	46	<0.001	0.002	0.002	0.26	<0.005	<0.05	11.2	0.36		<0.004	0.003	0.02		
	0.039	<0.0002	<0.02		<0.0005	33.9	<0.001	<0.001	0.023	0.16	<0.01	<0.002	5.96	0.097		<0.005	0.005	<0.05		
	0.0377	<0.0005	<0.0005	0.002	<0.00005	49.2	<0.0005	0.0001	0.0015	0.07	<0.00005	<0.001	8.67	0.305		0.00107	0.0012	<0.3		
	0.047	<0.0001	<0.0005	0.006	<0.00001	55.6	<0.0005	<0.0001	<0.001	0.08	<0.0001	0.001	10.2	0.106		<0.001	<0.0005			
	0.042	<0.0001	<0.0005	0.004	<0.00001	51.4	<0.0005	<0.0001	<0.001	0.08	<0.0001	0.001	8.7	0.116		<0.001	<0.0005			
	0.048	<0.0001	<0.0005	0.002	0.00001	66.6	<0.0005	0.0002	<0.001	0.35	<0.0001	<0.001	12.6	0.16		<0.001	<0.0005			
	0.046	<0.0001	<0.0005	0.004	<0.00001	52.2	<0.0005	<0.0001	0.001	0.14	<0.0001	<0.001	9.2	0.159		<0.001	<0.0005			
	0.042	<0.0001	0.0007	0.006	<0.00001	58	<0.0005	<0.0001	0.002	0.07	<0.0001	0.001	10.8	0.144		<0.001	<0.0005			
	0.044	<0.0001	<0.0005	0.005	<0.00001	58	0.0012	<0.0001	0.001	0.08	0.0001	0.001	10.2	0.133		<0.001	0.0007			
	0.044	<0.0001	<0.0005	0.007	<0.00001	62.2	0.0006	<0.0001	0.001	0.11	0.0001	0.002	11	0.114		<0.001	<0.0005			
	0.046	<0.0001	<0.0005	0.005	<0.00001	62.8	<0.0005	<0.0001	<0.001	0.08	<0.0001	<0.001	10.9	0.156		<0.001	0.0008			
	0.054	<0.0001	<0.0005	0.006	<0.00001	67.8	0.0031	0.0002	0.001	0.19	<0.0001	0.001	12.6	0.174		0.001	<0.0005			
	0.029	<0.0001	<0.0005	0.003	0.00001	21.2	0.0009	<0.0001	0.004	0.17	<0.0001	<0.001	3.6	<0.005	<0.0001	<0.001	0.0016			
	0.054	<0.0001	<0.0005	0.007	<0.00001	62	<0.0005	<0.0001	0.002	0.18	<0.0001	0.001	10.3	0.322	<0.00002	<0.001	<0.0005			
	0.053	<0.0001	<0.0005	0.004	<0.00001	67.4	0.0005	<0.0001	0.001	0.08	<0.0001	<0.001	11.4	0.128	<0.00002	<0.001	<0.0005			
	0.053	<0.0001	<0.0005	0.006	<0.00001	65.6	<0.0005	<0.0001	0.001	0.07	<0.0001	0.001	11.4	0.082	<0.00002	<0.001	<0.0005			
	0.05	<0.0001	<0.0005	0.006	<0.00001	64.1	<0.0005	<0.0001	0.001	0.09	<0.0001	0.001	11.5	0.08	<0.00002	<0.001	<0.0005			
	0.047	<0.0001	<0.0005	0.005	<0.00001	61.8	<0.0005	<0.0001	0.001	0.07	<0.0001	0.001	10.7	0.081	<0.00001	<0.001	<0.0005			
	0.075	<0.00004		<0.004	<0.00008		0.0023	0.00016	0.001	<0.01	0.0015	0.002		0.0049	<0.00001	0.00192	0.001	0.01		
	0.027	<0.00004		<0.004	<0.00008		0.0007	0.00013	0.002	0.175	<0.0001	<0.001		0.017	0.00001	0.00033	0.002	0.02		
	0.044	<0.00004		0.004	<0.00008		0.002	0.00022	0.002	0.25	<0.0001	<0.001		0.128	<0.00001	0.00068	<0.001	<0.01		
	0.042	<0.00004		<0.004	<0.00008		<0.0004	0.00008	0.001	0.06	<0.0001	0.001		0.0825	<0.00001	0.00079	0.001	<0.01		
	0.039	<0.00004		<0.004	<0.00001		0.0006	0.00014	0.001	0.09	<0.0001	0.001		0.08	<0.00001	0.0007	<0.001	<0.01		
	0.035	<0.00004		<0.004	0.00001		0.0018	0.00021	0.01	0.18	0.0011	<0.001		0.0255	<0.00001	0.0006	<0.001	<0.01		
	0.032	<0.0001	<0.0005	0.004	<0.00001	38	<0.0005	0.0001	0.002	0.06	<0.0001	<0.001	6.5	0.03	<0.00001	<0.001	0.0007			
	0.037	<0.00004		<0.004	<0.00001	51.2	0.0006	0.00008	0.001	0.118	0.0004	<0.001	8.81	0.116	<0.00001	0.00094	<0.001	<0.01		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
W3	0.91	<0.02	9	<0.001	8.01	0.4				<0.001	<0.02	0.006	0.008	<0.001						<0.01	<0.01	
	1.4	<0.02	6.17	<0.001	5.37	0.248	3.93		<0.01	0.002	<0.06	<0.002	<0.005	<0.001						<0.01	<0.01	
	<2	<0.001	8.12	<0.00001	7	0.322		<0.00005	<0.0001	<0.01	0.00031	<0.001	0.001									
	<0.4	<0.0002	8.38	<0.0001	7.8	0.494	8.5	<0.00005	<0.001	0.0007	<0.0005	0.0004	<0.001		<0.02	96						
	0.5	<0.0002	7.75	<0.0001	7.7	0.432	7.5	<0.00005	<0.001	0.0007	<0.0005	0.0006	<0.001		<0.02	108						
	<0.4	<0.0002	8.56	<0.0001	7.7	0.476	14.7	<0.00005	<0.001	0.001	<0.0005	0.0009	0.001		<0.02							
	<0.4	<0.0002	7.23	<0.0001	7.3	0.393	11.2	<0.00005	<0.001	0.0009	<0.0005	0.0012	0.002		<0.02							
	0.6	<0.0002	8.27	<0.0001	7.7	0.516	12.4	<0.00005	<0.001	0.001	<0.0005	0.0007	0.004		0.1							
	0.5	<0.0002	7.93	<0.0001	8.1	0.47	10	<0.00005	<0.001	<0.0005	<0.0005	0.0008	0.003		0.04							
	0.7	<0.0002	7.59	<0.0001	9	0.517	11.1	<0.00005	<0.001	0.0009	<0.0005	0.0012	0.003		0.05							
	0.6	<0.0002	7.79	<0.0001	9.1	0.492	12	<0.00005	<0.001	0.001	<0.0005	0.0008	0.002		0.02							
	2.9	<0.0002	8.3	<0.0001	9.9	0.507	17.1	<0.00005	<0.001	0.0014	<0.0005	0.008	0.003		<0.02							
	1	<0.0002	4.49	<0.0001	3.2	0.126	1.3	<0.00005	<0.001	<0.0005	<0.0005	0.0009	0.003		0.2							
	0.6	<0.0002	7.64	<0.0001	9.4	0.559	12.4	<0.00005	<0.001	0.0013	<0.0005	0.0012	0.004		0.05							
	0.7	<0.0002	8.02	<0.0001	10	0.597	14.9	<0.00005	<0.001	0.001	<0.0005	0.0009	0.008		<0.02							
	0.6	<0.0002	7.76	<0.0001	9.3	0.578	14.5	<0.00005	<0.001	0.001	<0.0005	0.0005	0.002		0.02							
	0.5	<0.0002	7.82	<0.0001	8.9	0.601	14.1	<0.00005	<0.001	0.0013	<0.0005	0.0005	0.003		0.04							
	0.6	<0.0002	7.99	<0.0001	9.8	0.516	10.7	<0.00005	<0.001	0.0006	<0.0005	0.0004	0.002		0.12							
		<0.0006		<0.0001		0.861		<0.00001	<0.0001	0.0008	<0.0006	0.00061	0.001	<0.0001	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.94	<0.0006	2.27	<0.00001	2.81	0.13		<0.00001	<0.0001	0.0016	<0.0006	0.00066	0.002	0.0005	<0.01	130	<0.0001	<0.0001	<0.0001	<0.0001		
	0.55	<0.0006	3.5	<0.00001	7.42	0.352		<0.00001	<0.0001	0.0008	<0.0004	0.00143	<0.001	0.0004	0.03		<0.0001	0.0004	<0.0001	0.0001		
	0.62	<0.0006	7.41	<0.00001	8.97	0.473		<0.00001	<0.0001	0.0009	<0.0004	0.00054	0.002	0.0002	<0.01		<0.0001	<0.0001	0.0001	<0.0001		
	0.58	<0.0006	7.75	<0.00001	8.53	0.464		<0.00001	<0.0001	0.0008	<0.0004	0.00055	0.002	0.0002	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.5	<0.0006	7.94	<0.00001	6.94	0.268		<0.00001	<0.0001	0.0037	<0.0004	0.00133	0.007	0.0003	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.4	<0.0002	7.9	<0.00001	6.8	0.304	4.7	<0.00005	<0.001	0.001	<0.0005	0.0009	0.003		<0.01							
	0.5	<0.0006	7.62	<0.00001	8	0.452		<0.00001	<0.0001	0.0006	0.0002	0.00052	0.003	0.0002	0.01		<0.0001	<0.0001	<0.0001	<0.0001		

ed horium (Th), total

Station	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
W3																			
																			19.9
																			21.8
																			20.8

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.0134		8	150	96.90	9.2	7.99	7.8	194.00		153	1.20	10.23	76.40		79.5
		12-Jul-2009		0.004		<1	210		0.2	7.38	7.9	188.1		307	4.0	5.92	45.1	121.7	161
		09-Sep-2009		0.005		5	260		5.3	7.4	7.9	231.6		370	4.2	4.43	33.7	57.3	194
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees,			<1	210		0.4	7.66	7.9	205.3		362	1.4	4.69	33.2	50.3	170
		12-May-2010	Slightly elevated flows. Clear water. Some ice within immediate sampling area. Ice within vegetation both upstream and downstream of road.	0.009		3	170		3	7.59	8	114.5		225	0.7	8.44	64	102	114
		10-Jun-2010		0.003		2	210		0.2	7.15	8	189.6		328	2.3	3.55	25.8	350.9	149
		17-Aug-2010		0.002		<1	220		0.3	7.34	8.32	319.1		324	6.5	6.04	44	23.4	160
		20-Oct-2010	Flows not collected, considerable algal bloom prevented meter from turning			2	220		2	7.8	7.98	121		314	-0.1	12.06	80.4	348.9	160
		31-May-2011	Low water level, normal for this station	0.005		1	200		0.4	7.62	7.63	172.1		300	2.6	7.6	56.5		145
		29-Jun-2011	Sampled u/s from bridge	0.01		<1	210		0.3	7.52	7.89	165		275	3.2	6.47	53.9	15.3	135
		07-Sep-2011	Lots of green algal growth. Moderate flows.	0.002		<1	200		0.3	7.44	8.17		269.8	279	5	6.98	54.7	61.1	136
		27-Oct-2011				<1	200		0.1	7.6	7.87		598.49	301	0.9				147
		25-May-2012	Ion Balance Non-Calculable	0.017		1.1	176			7.61	8.04		231.7	237	1.3	12	85	329.4	120
		10-Aug-2012	less than 5% of flow volume @ W2 (not metered)			<1.0	224			7.5	8.01		325.9	311	5.9	7.27	58.4	2.2	156
		03-Oct-2012		0.0279		<1.0	226			7.2	8.26		317.7	283	2.00	8.74	63.9	31.7	140
		Oct-89	No in situ parameters measured			<5					7.7			395					
		Aug-91	No in situ parameters measured			37			4		8			210					
		Dec-91	No in situ parameters measured			<5			1		8.1			465					
		May-92	No in situ parameters measured			253			14		7.4			98					

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	82.4	68	84	<0.5	<0.5	<0.5	120	1.9		0.0009		0.0016	<0.5	<0.005	<0.005	<0.02	0.71	0.71	0.019	0.005		13.1	30.9	30.3	0.0863
	155	140	170	<0.5	<0.5	<0.5		1.3		<0.0005		<0.0005	22	0.013	<0.005	<0.02			0.01	0.006			13.9	14	0.0101
	191	170	200	<0.5	<0.5	<0.5		1.8		<0.0005		<0.0005	52	<0.005	<0.005	<0.02			0.006	<0.005			13	13.4	0.0891
	179	160	190	<0.5	<0.5	<0.5		1.6		<0.0005		0.0005	25	<0.005	<0.005	<0.02			0.01	<0.005			13.7	14.6	0.0071
	118	100	120	<0.5	<0.5	<0.5	60	1.1		0.0007		0.0007	16	<0.01	<0.005	<0.02	2.5	2.5	0.008	<0.005		21.2	21.5	20.7	0.0291
	159	150	180	<0.5	<0.5	<0.5	20	1.4		0.0009		0.0011	26	0.02	<0.005	<0.02	0.28	0.28	0.008	<0.005		30.5	13.2	12.3	0.0063
	163	150	180	1.1	0.9	<0.5	30	0.7				0.001	24	0.07	<0.005	<0.02	0.42	0.42	0.009	<0.005		2.2	15.3	15.5	0.009
	159	140	180	<0.5	<0.5	<0.5	20	0.8		0.0007		<0.0005	22	0.016	<0.005	<0.02	0.34	0.34	0.011	<0.005		31.9	13.4	13.8	0.0112
	148	130	160	<0.5	<0.5	<0.5	75	1.2		<0.0005		<0.0005	23	0.008	<0.005	<0.02	0.61	0.61	0.008	<0.005		32.1	18.2	18.8	0.0162
	142	130	160	<0.5	<0.5	<0.5	30	1.4		0.0018		0.0017	14	0.026	<0.005	0.03	0.43	0.4	0.008	<0.005		31.7	17.2	16.9	0.0122
	132	130	160	<0.5	<0.5	<0.5	30	1.2		<0.005		<0.005	11	0.04	<0.005	<0.02	0.28	0.28	0.01	0.005		31.1	21	21.7	0.0144
	148	130	160	<0.5	<0.5	<0.5	20	1.3		<0.0005		<0.0005	16.6	0.015	<0.005	0.02	0.26	0.23	0.012	0.009		34.6	15.8	15.9	0.0137
	122	111	136	<0.50	<0.50	<0.50		1.5	0.15				9.68	0.022	<0.050	<0.20							19.1	19.1	0.0194
	155	150	183	<0.50	<0.50	<0.50		1.3	0.19				14	0.01	<0.050	<0.20							17.6	17.1	0.0138
	145	140	171	<0.50	<0.50	<0.50		0.88	0.17				11.2	0.019	<0.050	<0.20							17.3	19	0.0124
	145.1	120						3.6	<1				47	<0.05	<0.0003	<0.1									<0.02
	119	103											20.7	<0.05	<0.003	<0.1									**0.154**
	224	169											80.6	<0.05	<5	<0.5			0.032						<0.005
	82.5	28											3.5	<0.05	<0.03	0.05			0.018						**2.75**

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00006	0.00051	0.0339	0.00001	<0.000005	<0.05	0.000009	24.3	0.0003	0.000148	**0.0036**	0.238	0.000071	0.0006	4.56	0.0383	0.00001	0.00048		
	0.00007	0.00044	0.0389	<0.00001	<0.000005	<0.05	<0.000005	50.8	<0.0001	0.000061	0.0018	0.078	0.000012	0.0009	8.24	0.0609	<0.00001	0.00103		
	0.00006	0.00077	0.0518	0.00001	0.000018	<0.05	0.000038	61.4	**0.0014**	0.000151	0.00181	**0.661**	0.00045	0.0015	9.94	0.182	<0.00001	0.00109		
	0.00005	0.00041	0.0407	<0.00001	<0.000005	<0.05	0.000016	53.1	<0.0001	0.000059	0.00111	0.137	0.000037	0.0011	9.13	0.113	<0.00001	0.00103		
	0.00005	0.00055	0.0395	<0.00001	<0.000005	<0.05	0.000017	35.3	0.0002	0.000104	0.00207	**0.357**	0.000073	0.0008	6.34	0.105	<0.00001	0.00056		
	0.00005	0.00034	0.0377	<0.00001	<0.000005	<0.05	<0.000005	45.4	0.0002	0.00005	0.00116	0.106	0.000008	0.001	8.68	0.104		0.00085		
	0.00006	0.00045	0.041	<0.00001	<0.000005	<0.05	0.000007	49.6	**0.0013**	0.000055	0.00148	0.122	0.000101	0.0011	8.73	0.0821	<0.00001	0.00115		
	0.00006	0.00042	0.0389	<0.00001	<0.000005	<0.05	0.000027	49.1	0.0002	0.000057	0.00129	0.181	0.00007	0.0009	9.02	0.149	<0.00001	0.00111		
	0.00005	0.00041	0.043	<0.00001	<0.000005	<0.05	0.000008	45.2	0.0002	0.00006	0.00152	0.09	0.000019	0.0008	7.88	0.0497	<0.00001	0.00072		
	0.00006	0.00044	0.0354	<0.00001	<0.000005	<0.05	0.000011	41.7	0.0002	0.000052	0.00185	0.078	0.000084	0.0009	7.5	0.0476	<0.00001	0.00094		
	0.00007	0.00048	0.0398	<0.00001	<0.000005	<0.05	0.00006	42.3	0.0003	0.000051	0.00205	0.076	0.00104	0.001	7.36	0.0389	<0.00001	0.00183		
	0.00005	0.00041	0.0369	<0.00001	<0.000005	<0.05	0.000007	45.7	0.0002	0.000054	0.00147	0.102	0.000027	0.0009	7.93	0.0925	<0.00001	0.00101		
	0.000043	0.000469	0.0406	<0.000010	<0.0000050	<0.050	0.0000138	37.3	0.00018	0.0000613	0.0016	0.1	<0.0000050	0.00065	6.54	0.0262	<0.000010	0.000585		
	0.000053	0.000498	0.0439	<0.000010	<0.0000050	<0.050	<0.0000050	48.1	0.00019	0.000057	0.00174	0.111	0.00006	0.00092	8.61	0.053	<0.000010	0.000881		
	0.000059	0.000469	0.0399	<0.000010	0.00001	<0.050	<0.0000050	43.1	0.00023	0.000049	0.00171	0.132	0.00005	0.00083	7.81	0.0691	<0.000010	0.001		
	<0	<0.02	0.031	<0.0001		<0.001	<0.0002	40.5	<0.0002	<0.0005	<0.0005	**0.519**	<0.002	0.35	10.7	0.077	<0.005	<0.001		
	<0.005	<0.05	0.49	<0.0005	<0.01		<0.0003	32.7	**0.012**	<0.01	<0.001	**1.11**	<0.004	<0.05	8.47	0.058		<0.005		
	<0.05	**0.12**	0.57	<0.0005	<0.01		<0.0003	63.4	**0.006**	0.002	<0.001	**0.349**	<0.004	<0.05	16.1	0.1		0.01		
	<0.05	<0.04	0.078	<0.0002	<0.02		<0.0003	15.6	**0.002**	0.003	**0.01**	**3.68**	<0.004	<0.05	5.2	0.136		<0.003		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00122	0.032	0.75	0.00007	5.5	<0.000005	3.37	0.163	3	<0.000002	<0.00001	0.003	0.000069	0.0009	0.0026	0.0005	0.0403	0.00005	0.00043	
	0.00067	0.011	0.52	0.00005	7.79	<0.000005	6.86	0.39	9	<0.000002	<0.00001	<0.0005	0.000191	0.0006	0.0006	0.0002	0.0088	0.00007	0.00045	
	0.0009	0.055	0.73	0.00004	8.7	0.000008	7.75	0.501	12	<0.000002	<0.00001	0.0038	0.000344	0.0011	0.0056	0.0003	0.0079	0.00006	0.00044	
	0.00061	0.012	0.54	<0.00004	6.9	<0.000005	7.02	0.472	10	<0.000002	<0.00001	<0.0005	0.000295	0.0003	0.0009	0.0001	0.0075	0.00007	0.00039	
	0.00117	0.025	0.8	0.00006	6.68	<0.000005	5.02	0.259	<10	0.000002	<0.00001	0.0012	0.000143	0.0006	0.0017	0.0003	0.02	0.00005	0.00044	
	0.00051		0.5	0.00004	6.34	<0.000005	6.92	0.416	<10	<0.000002	<0.00001	<0.0005	0.000239	0.0004	0.0005	0.0001	0.0085	0.00004	0.0004	
	0.00064	0.015	0.61	0.00006	7.88	0.000005	7.45	0.432	<10	<0.000002	<0.00001	<0.0005	0.000209	0.0007	0.0022	0.0002	0.0078	0.00004	0.00041	
	0.00061	0.012	0.56	0.00005	7.88	<0.000005	6.69	0.429	<10	<0.000002	<0.00001	<0.0005	0.000232	0.0003	0.0021	0.0002	0.011	0.00005	0.0004	
	0.00072		0.54	0.00004	7.44	<0.000005	5.87	0.374	<10	0.000002	<0.00001	0.0007	0.000246	0.0004	0.0003	0.0002	0.0135	0.00006	0.00035	
	0.00097		0.42	0.00006	8.02	<0.000005	6.25	0.346	<10	<0.000002	0.00002	<0.0005	0.000177	0.0007	0.0016	0.0002	0.0102	0.00006	0.00038	
	0.00099	0.011	0.49	0.00007	8.64	<0.000005	6.04	0.356	<10	<0.000002	<0.00001	0.0005	0.000254	0.0006	0.003	0.0002	0.0121	0.00007	0.00049	
	0.00071	0.014	0.53	0.00006	7.6	<0.000005	6.2	0.401	<10	<0.000002	<0.00001	<0.0005	0.000201	0.0005	0.0012	0.0002	0.0101	0.00006	0.00045	
	0.000937	0.0138	0.629	0.000055	7.56	<0.0000050	5.16	0.265	<10	<0.0000020	<0.00020	0.0009	0.000139	0.00049	0.00093	0.00022	0.0133	0.000046	0.000423	
	0.000873	0.0111	0.483	0.000085	8.89	<0.0000050	7.06	0.412	<10	<0.0000020	0.00035	<0.00050	0.000155	0.00059	0.00122	0.0002	0.00995	0.000058	0.000452	
	0.000831	0.0107	0.481	0.000061	8.46	<0.0000050	6.48	0.367	<10	<0.0000020	<0.00020	0.00059	0.000161	0.00055	0.00247	0.00021	0.0103	0.00006	0.000462	
	0.0014	<0.05	0.8	<0.005	4.86	<0.002	11.2	0.372				<0.001	<0.02	<0.002	**0.0578**					
	0.002	0.05	0.48	<0.01	13.4	<0.001	9.93	0.26				0.016	<0.02	0.0049	0.004	<0.001	0.007	<0.05	<0.05	
	0.005	0.04	1.14	<0.01	5.5	<0.001	14.9	0.42				0.002	<0.02	<0.0005	<0.001	<0.001	<0.005	<0.05	0.11	
	<0.001	0.03	1.41	<0.02	971	<0.001	2.77	0.142				0.146	<0.02	<0.001	0.019	<0.001	0.03	<0.02	<0.04	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Phc
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0333	0.00002	<0.000005	<0.05	<0.000005	25.4	0.0001	0.000097	0.00362	0.126	0.000022	0.0005	4.61	0.02	<0.00001	0.00049	0.00109	0.02		
	0.0398	<0.00001	<0.000005	<0.05	<0.000005	48.8	<0.0001	0.000056	0.00169	0.075	0.000013	0.0011	8.14	0.0614	<0.00001	0.001	0.00067	0.008		
	0.0443	<0.00001	<0.000005	<0.05	0.000009	60.5	0.0013	0.00006	0.0013	0.08	0.000157	0.0012	9.63	0.08	<0.00001	0.00109	0.00058	0.014		
	0.0418	<0.00001	<0.000005	<0.05	0.000011	56.2	<0.0001	0.000062	0.00108	0.119	0.000036	0.0011	9.51	0.113	0.00001	0.00104	0.00064	0.013		
	0.0371	<0.00001	<0.000005	<0.05	0.000024	36.3	0.0002	0.000067	0.00227	0.106	0.000112	0.0008	6.61	0.0277	<0.00001	0.00054	0.00106	0.015		
	0.0399	<0.00001	<0.000005	<0.05	0.00001	48.8	0.0001	0.000059	0.0013	0.116	0.000052	0.001	9.07	0.112		0.00087	0.00057			
	0.0417	<0.00001	<0.000005	<0.05	0.000012	50.4	0.0015	0.000056	0.00144	0.095	0.0001	0.0011	9.07	0.0774	<0.00001	0.00126	0.00064	0.011		
	0.0372	<0.00001	<0.000005	<0.05	0.000007	48.7	0.0002	0.000054	0.00114	0.097	0.000013	0.0008	9.13	0.127	<0.00001	0.00108	0.00065	0.013		
	0.0438	<0.00001	<0.000005	<0.05	0.000028	45.8	0.0002	0.000056	0.0016	0.079	0.000364	0.0007	8.15	0.0483		0.0007	0.00071			
	0.0357	<0.00001	<0.000005	<0.05	0.000009	44.4	0.0002	0.000047	0.00169	0.071	0.000021	0.0009	7.49	0.0451		0.00093	0.00079			
	0.0399	<0.00001	<0.000005	<0.05	0.000008	41.1	0.0002	0.000051	0.00185	0.066	0.000008	0.0009	7.1	0.0358	<0.00001	0.00096	0.00087	0.009		
	0.0373	<0.00001	<0.000005	<0.05	0.000009	45.7	0.0002	0.000047	0.00147	0.085	0.000052	0.0009	8.23	0.0883	<0.00001	0.00097	0.00075	0.012		
	0.0406	<0.000010	<0.0000050	<0.050	0.0000057	37.8	0.0002	0.0000521	0.00161	0.0717	<0.0000050	0.00066	6.65	0.0216	<0.000010	0.000595	0.000892	0.0123		
	0.0453	<0.000010	<0.0000050	<0.050	<0.0000050	48.4	0.00016	0.000041	0.00155	0.0857	0.000037	0.00098	8.28	0.0497	<0.000010	0.000936	0.000779	0.0099		
	0.0396	<0.000010	<0.0000050	<0.050	<0.0000050	45.4	0.00019	0.000047	0.00133	0.117	0.000012	0.00084	7.68	0.0684	<0.000010	0.00105	0.000738	0.0113		
	0.04	<0.0005	<0.01		<0.0003	30.7	0.002	<0.001	<0.001	0.472	<0.004	<0.05	8.11	0.037		<0.005	<0.001	0.03		
	0.053	<0.0005	<0.01		<0.0003	61.3	0.004	0.002	<0.001	0.252	<0.004	<0.05	15.3	0.098		0.009	0.004	0.02		
	0.01	<0.0005	<0.02		<0.0003	7.49	<0.001	<0.001	<0.001	0.12	<0.004	<0.05	2.24	0.014		<0.003	<0.001	0.02		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.79	0.00007	5.5	<0.000005	3.54	0.171	<3	<0.000002	<0.00001	0.0013	0.000061	0.0003	0.0036	0.0004	<0.02	NC	<0.00002	<0.00002	0.000018	0.000028		
	0.52	0.00005	7.32	<0.000005	6.98	0.399	8	0.000002	<0.00001	<0.0005	0.000195	0.0006	0.0007	0.0002	<0.02	110	<0.00002	<0.00002	0.000006	0.00001		
	0.63	0.00005	8	<0.000005	7.61	0.486	10	<0.000002	<0.00001	<0.0005	0.00032	0.0003	0.0032	0.0002	<0.02	93	<0.00002	<0.00002	0.000009	0.000021		
	0.58	0.00006	8.2	<0.000005	7.4	0.479	10	<0.000002	<0.00001	<0.0005	0.000298	0.0004	0.0014	0.0001	<0.02	100	<0.00002	<0.00002	0.000011	0.000007		
	0.84	0.00005	6.57	<0.000005	5.22	0.26	<10	<0.000002	<0.00001	0.0007	0.000141	0.0004	0.0032	0.0003	<0.02		<0.00002	<0.00002	0.00001	0.000013		
	0.53	0.00004	7.53	<0.000005	7.13	0.436	11	<0.000002	<0.00001	<0.0005	0.000254	0.0005	0.0013	0.0002	<0.02							
	0.61	0.00004	8.09	<0.000005	7.61	0.437	<10	<0.000002	<0.00001	<0.0005	0.000236	0.0003	0.0025	0.0002	<0.02		<0.00002	<0.00002	<0.000005	0.000006		
	0.56	0.00006	8	<0.000005	6.85	0.425	<10	<0.000002	<0.00001	<0.0005	0.000237	0.0002	0.001	0.0001	<0.02		<0.00002	<0.00002	<0.000005	<0.000005		
	0.56	0.00007	7.63	<0.000005	6.13	0.377	<10	<0.000002	0.00001	0.0007	0.000249	0.0004	0.001	0.0002	<0.02							
	0.42	0.00006	8.34	<0.000005	6.3	0.354	<10	<0.000002	<0.00001	<0.0005	0.000179	0.0007	0.0015	0.0002	0.03							
	0.48	0.00009	7.93	<0.000005	5.92	0.359	<10	<0.000002	<0.00001	0.0007	0.000139	0.0006	0.0007	0.0002	<0.02	NC	<0.00002	<0.00002	0.000005	0.000007		
	0.55	0.00006	7.5	<0.000005	6.5	0.415	<10	<0.000002	0.00001	<0.0005	0.000229	0.0005	0.0023	0.0002	0.02	110	<0.00002	<0.00002	0.000005	<0.000005		
	0.626	0.000056	7.82	<0.0000050	5.23	0.262	<10	<0.0000020	<0.00020	0.00065	0.00014	0.00053	0.00071	0.00021	<0.20							
	0.508	0.000059	8.7	<0.0000050	6.78	0.408	<10	<0.0000020	0.0004	0.00062	0.000159	0.00063	0.00047	0.00021	<0.20	100						
	0.48	<0.000040	8.67	<0.0000050	6.43	0.374	<10	<0.0000020	<0.00020	<0.00050	0.000158	0.00059	0.00036	0.00023	<0.20	100						
																				<0.01		
	0.48	<0.01	10.5	<0.001	9.2	0.26				0.002	<0.02	0.003	0.003	<0.001					<0.02	<0.02		
	0.97	<0.01	4.8	<0.001	13.8	0.41				<0.001	<0.02	<0.0005	<0.001	<0.001					<0.02	<0.02		
	0.61	<0.02	2.73	<0.001	1.74	0.063				<0.001	<0.02	<0.001	0.004	<0.001					<0.005	<0.005		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
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Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W4	Williams Creek d/s of Confluence with North	Jul-92	No in situ parameters measured			258			25		7.8			210					
		Oct-92	No in situ parameters measured			<5			1		7.5			370					
		May-94	No in situ parameters measured			<5	179		2		7.8			207					
		Sep-97				3	174			7.8	7.71	160							
		11-Aug-2005	In situ param: conductivity measured				170				7.98	300		309					
		01-Oct-2005	In situ para.: pH and conductivity only				140			7.73	7.95	280		257					
		30-Mar-2006				6			1.4		8.15			1210					
		07-Jun-2006		0.0468		4		302	1.2	8.38		151		244	2.2	8.20		102	
		13-Jul-2006		0.0072		<2		506	0.8	8.41		1010		415		7.51		67	
		14-Aug-2006		0.0183		<2		214	1.2	8.20				417	6.1	**3.71**		183	
		13-Sep-2006		0.0096		<2		279	1.5	7.68		549		451	5.4	**10.74**			
		18-Oct-2006		0.0059		<1	307	239	0.9	7.29	8.19	478		463	1.2	8.43		71	
		19-Apr-2007		0.0263		<2	468	342	<0.1	7.81	8.26	677		632					
		09-May-2007		0.3817		4	156	66.7	0.8	7.18	7.65	1335		114	0.5	8.18			
		20-Jun-2007		0.0075		<2	304	257.0	0.6	8.30	8.13	518		459	3				
		24-Jul-2007		0.0578		16	256	203	5.8	7.70	7.8	403		336	5.4	7.63			
		13-Aug-2007		0.0082		<2	282	204	0.1	7.13	8.02	406		380	5.5	**10.14**	91.7		
		12-Sep-2007		0.0195		<2	282	279	0.7	7.68	7.98	549		300	5.4	10.74			
		11-Oct-2007		0.0295		<2	196	135	1	7.20	7.97	270		256	0.0	**11.25**	89.6		
		06-Mar-2008				20	746	462	4	9.03	8.32	921		796	0.5	**12.80**	88.4		
		17-Apr-2008				<2	740	404	0.2		8.25	814		947	0.5		92		
		13-May-2008		0.2625		<2	168		1.9	7.13	7.46	128.4		119	0.0		111.6		
		04-Jun-2008		0.0341		<2	248	334	0.6	6.98	7.95	666		246	2.0				
		30-Jul-2008		0.0221		<2	274	200	0.5	8.15	8.03	400		324	5.0	**11.12**	89.3		
		20-Aug-2008		0.0039		<2	328		0.9	7.02	8.09	370		390	5.0	8.30	89.4		
		02-Sep-2008		0.1584		16	198	93.4	0.6	7.11	7.79	186.8		158	4.1	**12.58**	97		
		02-Oct-2008		0.0570		<2	218	109	0.5	7.63	7.96	218		215	1.5	**12.49**	88.3		
		26-Nov-2008				76	370	402	0.1	7.27	7.65	801		418	0.3				

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbo	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W4	135	94											8.9	<0.05	<1	<0.1			0.173							**3.89**
	170	125											59.8	0.06	<2.0	<0.02			0.017							0.036
	85.6	79						0.78	<1				18.6	0.07	<0.5	<0.05			0.04							0.03
	129	111						1.3	0.2				24		0.001	<0.005										0.033
	144	140	170	<6	<5	<5		1.2					29	<0.05	<0.005	0.02		0.39	0.1	0.08						0.062
	120	106	129	<6	<5	<5		0.5					27	<0.05	<0.005	0.02		0.46	0.1	0.09						0.064
	694													<0.05				0.88	0.1	0.24			24.8			0.019
	120													<0.05				0.49	<0.1	0.13		23.2	15.1	15		0.072
	196													<0.05				0.19	<0.1	0.1		38.8	9.9	10.6		0.027
	195													<0.05				0.3	0.1	0.05		38.3	11.5	11.8		0.058
	214													<0.05				0.32	0.19	0.08		40.2	8.2	9.1		0.025
	222	171	208	<6		<5	26	1.9						<0.05	<0.005	0.08		0.26	0.09	0.05		41.7	8.5	8.5		0.016
	308	218	266	<6		<5	>60	3.7					124	<0.05	<0.05	<0.1		0.54	0.09	0.07	0.06	29.4	16.6	17.1		0.011
	69	51	62	<6		<5	>60	0.4					7.1	<0.05	<0.05	0.2		2.07	0.06	0.04		11.2	42.5	44.1		**0.272**
	218	172	210	<6		<5	28	1.7					78	<0.05	<0.05	0.2		0.27	<0.05	0.05		18.1	8.5	7.7		0.033
	185	136	166	<6		<5	50	1					48	<0.05	<0.05	<0.1		0.69	0.08	0.08		34.3	12.6	13.1		**1.48**
	181	161	196	<6		<5	54	1.4					50	<0.05	<0.05	0.2		0.42	<0.05	0.08		48.5	13.6	13.1		0.046
	157	147	180	<6		<5	58	1.25					40.1	<0.05	<0.02	<0.02		0.44	<0.05	0.1		31.1	13.3	13.4		0.056
	120	106	130	<6		<5	<50	0.9					25.6	<0.05	<0.02	<0.02		0.58	0.26	0.08		22.2	18.7	18.8		0.066
	500	363	434	<6		<5	100	6.49					147	<0.05	<0.02	<0.02		1.28	0.15	0.17		87	31.7	33.1		**0.149**
		262	320	<6		<5	60	6.9					286	<0.05	<0.02	<0.02		0.57	<0.05	0.16		57	17.4	20.6		<0.02
	61	48	58	<6		<5	310	0.4					8.69	<0.05	<0.02	0.2		1.1	0.07	0.04		10.2	39.7	43.6		**0.28**
	128	104	130	<6		<5	80	0.86					31.9	<0.05	0.04	0.03		0.61	<0.05	0.06	<0.05	23	17.7	17.9		0.03
	176	145	180	<6		<5	70	1					45.2	<0.05	0.04	<0.01		0.54	<0.05	0.08		32.3	15.2	15		0.02
	192	154	190	<6		<5	48	1.58					58.4	<0.05	<0.01	0.03		0.74	<0.05	0.07		37.9	12.5	13.2		0.034
	91	79	100	<6		<5	110	0.37					9.96	<0.05	0.01	<0.01		0.71	0.05	0.13		16.8	28.5	29.6		**0.23**
	100	89	100	<6		<5	90	0.5					19.4	<0.05	<0.01	<0.01		0.58	<0.05	0.08	<0.05	22.3	21.6	20.9		0.1
	208	148	180	<6		<5	43	1.93					60.8	<0.05				0.74	<0.05	0.1		32.6	14.1	15		**0.524**

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W4	<0.02	<0.04	0.11	<0.0002	<0.02		<0.0003	27.7	0.006	0.002	0.014	6.6	0.005	<0.05	7.7	0.191		<0.003		
	<0.02	<0.05	0.175	<0.0002	<0.02		<0.0004	46.4	0.002	0.003	0.008	0.709	<0.005	<0.05	13	0.166		<0.004		
	<0.02	<0.02	0.03	<0.0002	<0.02		<0.0005	25	<0.001	<0.001	0.016	0.39	<0.01	<0.002	6.5	0.069		<0.005		
	0.00006	0.0006	0.0354	<0.0005	<0.0005	0.004	<0.00005	35.9	<0.00005	0.0002	0.001	0.48	<0.00005	<0.001	9.5	0.0477	<0.00005	0.00242		
	<0.0002	0.0005	0.043	<0.0001	<0.0005	0.009	<0.00001	40.7	<0.0005	<0.0001	0.001	0.4	<0.0001	0.001	10.6	0.031		0.003		
	<0.0002	0.0005	0.034	<0.0001	<0.0005	0.006	<0.00001	35.1	0.0005	<0.0001	0.002	0.3	0.0003	0.002	8.6	0.031		0.002		
	<0.0002	0.0009	0.161	<0.0001	<0.0005	0.012	0.00004	190	<0.0005	0.0002	0.002	0.2	0.0002	0.004	47.2	0.122		0.026		
	<0.0002	0.0005	0.038	<0.0001	<0.0005	0.01	<0.00001	33.4	<0.0005	0.0002	0.001	0.3	<0.0001	0.001	9.2	0.064		0.003		
	<0.0002	0.0004	0.053	<0.0001	<0.0005	0.012	<0.00001	56.2	<0.0005	<0.0001	<0.001	0.3	<0.0001	0.001	14.2	0.018		0.006		
	<0.0004	<0.0004	0.06	<0.0002	<0.001	0.01	<0.00002	53.7	<0.001	<0.0002	<0.002	0.2	<0.0002	<0.002	14	0.01		0.005		
	<0.0004	0.0006	0.054	<0.0002	<0.001	0.01	<0.00002	56.7	<0.001	<0.0002	<0.002	0.3	<0.0002	<0.002	16	0.024		0.005		
	<0.0002	0.0003	0.054	<0.0001	<0.0005	0.011	<0.00001	58.7	<0.0005	<0.0001	<0.001	0.3	<0.0001	0.002	17.5	0.045		0.005		
	<0.0002	0.0004	0.054	<0.0001	<0.0005	0.004	<0.00001	73.2	<0.0005	<0.0001	<0.001	<0.1	<0.0001	0.003	29.7	0.042		0.004		
	<0.0004	0.0005	0.03	<0.0002	<0.001	0.007	<0.00002	20	<0.001	0.0002	0.005	0.4	0.0005	<0.002	5.2	0.02	<0.0001	<0.002		
	<0.0002	0.0003	0.059	<0.0001	<0.0005	0.013	<0.00001	58.7	<0.0005	<0.0001	0.001	0.1	<0.0001	0.002	16	0.01	<0.00002	0.008		
	<0.0002	0.001	0.079	<0.0001	<0.0005	0.02	0.00005	47.2	0.0027	0.0006	0.004	2.2	0.0009	0.003	13.9	0.117	<0.00002	0.006		
	<0.0002	0.0005	0.05	<0.0001	<0.0005	0.013	<0.00001	47.4	0.0005	<0.0001	0.002	0.3	<0.0001	0.002	13.7	0.017	<0.00002	0.005		
	<0.0002	0.0008	0.045	<0.0001	<0.0005	0.009	0.00002	40.8	0.0011	0.0001	0.002	0.3	0.0001	0.001	12	0.016	<0.00002	0.004		
	<0.0002	0.0004	0.033	<0.0001	<0.0005	0.006	<0.00001	33.5	0.0011	0.0001	0.003	0.3	0.0001	0.001	9	0.018	<0.00001	0.002		
	0.0002	0.0012	0.125	<0.0001	<0.0005	0.004	0.00008	132	0.0022	0.0003	0.004	0.3	0.0014	0.004	33.9	0.05	0.00001	0.002		
	<0.0002	<0.001	0.087	<0.00004		<0.005	<0.00007	119	0.0008	0.00003	0.014	<0.02	<0.0001	0.004	37.3	0.0064	<0.00001	0.00371		
	<0.0002	<0.0002	0.03	<0.00004		<0.005	<0.00007	17.5	0.0012	0.00027	0.002	0.6	0.0001	<0.001	4.18	0.06	0.00001	0.00066		
	<0.0002	0.0014	0.034	<0.00004		0.01	<0.00007	35.4	0.0011	0.0001	0.002	0.26	<0.0001	<0.001	9.49	0.0166	<0.00001	0.00283		
	<0.0002	0.0006	0.047	<0.00004		0.01	<0.00008	49	0.0007	0.00009	0.001	0.28	0.0002	0.001	13.6	0.0135	<0.00001	0.0044		
	<0.0002	0.0005	0.048	<0.00004		0.01	0.00002	53.7	0.0011	0.0001	<0.001	0.32	0.0002	0.001	14.5	0.0186	<0.00001	0.00453		
	<0.0002	0.0004	0.032	<0.00004		<0.005	<0.00001	25.5	0.0011	0.00022	0.003	0.76	0.0002	<0.001	6.22	0.0275	0.00001	0.00104		
	<0.0004	0.0005	0.033	<0.0002	<0.001	0.006	<0.00002	30.5	<0.001	<0.0002	0.003	0.27	<0.0002	<0.002	7.6	0.023	<0.00001	<0.002		
	<0.0002	0.0005	0.063	<0.00004	<0.0001	<0.005	0.00012	58.2	0.0018	0.00034	0.004	1.08	0.0006	0.001	14.8	0.107	<0.00001	0.00474		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W4	0.014	0.2	1	<0.02	16.3	<0.001	6.58	0.24				0.192	<0.02	0.016	..018	0.002	0.043	<0.02	<0.04	
	0.005	0.03	0.95	<0.02	11	<0.001	12.6	0.4				<0.001	<0.02	0.01	0.008	<0.001	0.018	<0.02	<0.05	
	0.003	<0.05	1	<0.02	5.1	<0.001	6.58	0.229	5.39		<0.01	0.002	<0.06	<0.002	<0.005	<0.001	<0.01	<0.02	<0.02	
	0.001	<0.3	<2	<0.001	8.54	<0.00001	9	0.273		<0.00005	<0.0001	<0.01	0.00031	<0.001	0.003		0.021	0.00006	0.0006	
	0.001		0.5	<0.0002	8.25	<0.0001	10.1	0.393	9.7	<0.00005	<0.001	0.0031	<0.0005	0.0014	<0.001	<0.001	0.014	<0.0002	0.0006	
	0.0008		0.5	<0.0002	8.18	<0.0001	8.7	0.317	8.3	<0.00005	<0.001	<0.0005	<0.0005	0.0011	0.016	<0.001	0.019	<0.0002	0.0005	
	<0.0005		5.2	0.0009	17.3	<0.0001	36.5	2.16	106	<0.00005	<0.001	0.0065	0.0012	0.0008	0.004	<0.001	0.011	<0.0002	0.001	
	0.0006		0.7	<0.0002	6.06	<0.0001	9.1	0.285	10.6	<0.00005	<0.001	0.0031	<0.0005	0.0013	0.001	<0.001	0.016	<0.0002	0.0005	
	0.0006		1	<0.0002	7.04	<0.0001	14.6	0.576	24	<0.00005	<0.001	0.0023	0.0008	0.0009	0.002	<0.001	0.008	<0.0002	0.0004	
	<0.001		0.9	<0.0004	7.29	<0.0002	16	0.521	21.7	<0.0001	<0.002	0.0034	<0.001	0.001	<0.002	<0.002	0.016	<0.0002	0.0004	
	<0.001		1	<0.0004	6.83	<0.0002	16	0.551	22.9	<0.0001	<0.002	0.0021	<0.001	0.0008	0.004	<0.002	0.012	<0.0002	0.0003	
	0.0006		1	<0.0002	7.17	<0.0001	14.8	0.636	25.5	<0.00005	<0.001	0.0015	0.0008	0.0006	0.002	<0.001	<0.005	<0.0002	<0.0002	
	<0.0005		3.2	<0.0002	8.44	<0.0001	26.7	0.776	42.2	<0.00005	<0.001	0.0018	0.001	0.0001	0.005	<0.001	<0.005	<0.0002	0.0004	
	0.002	<0.02	1	<0.0004	4.2	<0.0002	3.7	0.16	2.7	<0.0001	<0.002	0.0095	<0.001	0.001	0.01	<0.002	0.05	<0.0002	0.0004	
	0.0007	0.02	1	<0.0002	6.34	<0.0001	19.9	0.613	27.6	<0.00005	<0.001	0.0025	0.0017	0.0013	0.004	<0.001	0.011	<0.0002	0.0004	
	0.0016	<0.02	1	0.0003	7.19	<0.0001	16.1	0.522	20.7	<0.00005	<0.001	0.0678	0.0008	0.0059	0.024	0.001	0.028	<0.0002	0.0005	
	0.001	<0.02	0.8	0.0002	7.65	<0.0001	14.2	0.534	16.7	<0.00005	<0.001	0.0028	0.0006	0.0013	0.002	<0.001	0.01	<0.0002	0.0006	
	0.0006	<0.02	0.8	<0.0002	7.17	<0.0001	12.8	0.421	13.3	<0.00005	<0.001	0.0039	0.0005	0.0009	0.005	<0.001	0.035	0.0009	0.0004	
	0.0022	<0.02	0.5	<0.0002	6.36	<0.0001	9.9	0.364	9.1	<0.00005	<0.001	0.0032	<0.0005	0.001	0.008	<0.001	0.027	0.0009	0.0003	
	0.0015	0.13	5.5	0.0002	15.3	0.00002	26.6	1.27	49	<0.00005	0.002	0.0104	0.0007	0.0012	0.02	<0.001	0.016	0.0011	0.0012	
	<0.001	0.02	5.03	<0.0006	7.5	<0.001	39.7	1.29		<0.00001	<0.004	0.001	0.0006	0.00013	0.005	0.0001	<0.01	0.001	0.0013	
	0.006	0.04	0.94	<0.0006	2.06	<0.0001	3.6	0.142		<0.00001	<0.0001	0.0088	<0.0005	0.0017	0.002	0.0004	0.033	0.0007	<0.0002	
	<0.001	0.03	0.73	<0.0006	3.14	<0.00005	9.5	0.319		<0.00001	0.0001	0.0023	0.0004	0.00136	0.005	0.0004	<0.01	0.0008	0.001	
	0.001	0.02	0.72	<0.0006	7.6	<0.00001	13.9	0.514		<0.00001	<0.0001	0.0022	0.0005	0.00108	0.008	0.0004	0.02	0.0006	0.0005	
	0.001	0.03	0.84	<0.0006	7.71	<0.00001	14.7	0.557		<0.00001	<0.0001	0.0025	0.0007	0.00109	0.004	0.0002	0.011	0.0009	0.0004	
	<0.001	0.03	0.44	0.0008	8.77	<0.00001	6.6	0.202		<0.00001	<0.0001	0.0102	<0.0004	0.00207	0.015	0.0004	0.034	0.0005	0.0007	
	0.001		<0.8	<0.0004	8.35	0.00016	8.4	0.288	6.9	<0.0001	<0.002	0.0046	<0.001	0.001	0.006	<0.002	0.031	<0.0002	0.0005	
	0.002	0.053	0.9	<0.0006	9.08	<0.00001	12.4	0.545		<0.00001	<0.0001	0.0225	0.0004	0.00213	0.027		<0.005	0.001	0.0003	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W4	0.041	<0.0002	<0.02		<0.0003	27.3	<0.001	<0.001	<0.001	0.396	<0.004	<0.05	7.66	0.033		<0.003	0.002	0.03		
	0.054	<0.0002	<0.02		<0.0004	43.4	<0.001	0.003	0.002	0.628	<0.005	<0.05	12	0.165		<0.004	0.004	0.02		
	0.03	<0.0002	<0.02		<0.0005	24.5	<0.001	<0.001	0.021	0.245	<0.01	<0.002	6.43	0.068		<0.005	0.004	<0.05		
	0.0343	<0.0002	<0.0005	0.004	<0.00005	35.9	<0.0005	0.0003	0.0011	0.34	<0.00005	<0.001	9.63	0.0351		0.00239	0.0011	<0.3		
	0.046	<0.0001	<0.0005	0.009	<0.00001	39.2	<0.0005	<0.0001	0.001	0.27	<0.0001	0.001	11.1	0.016		0.003	<0.0005			
	0.034	<0.0001	<0.0005	0.005	<0.00001	34.1	<0.0005	<0.0001	<0.001	0.23	<0.0001	0.001	9.7	0.019		0.002	<0.0005			
	0.161	<0.0001	<0.0005	0.012	0.00003	194	0.0007	0.0002	0.001	0.18	0.0002	0.003	51	0.13		0.025	<0.0005			
	0.036	<0.0001	<0.0005	0.01	<0.00001	34.4	<0.0005	0.0001	0.002	0.21	<0.0001	0.001	9.4	0.067		0.003	0.0005			
	0.055	<0.0001	0.0007	0.012	<0.00001	54.9	0.0008	<0.0001	0.001	0.19	<0.0001	0.002	14.4	0.015		0.006	<0.0005			
	0.053	<0.0001	<0.0005	0.011	0.00001	53.7	0.0013	<0.0001	<0.001	0.19	<0.0001	0.002	14.8	0.023		0.005	0.0006			
	0.05	<0.0001	<0.0005	0.012	<0.00001	58.5	0.0005	<0.0001	<0.001	0.24	0.0001	0.002	16.5	0.019		0.005	<0.0005			
	0.051	<0.0001	<0.0005	0.008	<0.00001	61	<0.0005	<0.0001	<0.001	0.21	<0.0001	<0.001	16.8	0.042		0.004	0.0006			
	0.056	<0.0001	<0.0005	0.004	<0.00001	75.5	0.0006	<0.0001	<0.001	0.03	0.0001	0.003	29.1	0.044		0.004	0.0005			
	0.026	<0.0001	<0.0005	0.004	0.00001	19.8	0.0018	0.0002	0.003	0.18	0.0001	<0.001	4.7	0.006	<0.0001	<0.001	0.0059			
	0.055	<0.0001	<0.0005	0.014	<0.00001	60.2	<0.0005	<0.0001	<0.001	0.06	<0.0001	0.002	16.5	0.008	<0.00002	0.007	<0.0005			
	0.05	<0.0001	<0.0005	0.01	0.00002	50.5	0.0007	<0.0001	0.001	0.16	0.0007	<0.001	14.3	0.027	<0.00002	0.005	<0.0005			
	0.048	<0.0001	<0.0005	0.012	<0.00001	49.3	<0.0005	<0.0001	0.001	0.23	0.0002	0.001	14.1	0.013	<0.00002	0.004	<0.0005			
	0.042	<0.0001	<0.0005	0.01	0.00001	42.3	0.0013	0.0001	0.002	0.24	<0.0001	0.002	12.5	0.014	<0.00002	0.003	<0.0005			
	0.035	<0.0001	<0.0005	0.005	0.00001	34.5	0.0007	0.0001	0.001	0.2	0.0001	0.001	9.5	0.014	<0.00001	0.002	0.001			
	0.115	<0.0001	<0.0005	0.005	0.0001	141	0.002	<0.0001	0.002	0.02	0.0001	0.004	35.9	0.026	0.00001	0.002	<0.0005			
	0.093	<0.00004		<0.004	<0.00008		0.0027	0.00013	<0.001	<0.01	0.0001	0.004		0.006	<0.00001	0.00416	0.001	0.02		
	0.024	<0.00004		<0.004	<0.00008		0.0007	0.00016	<0.001	0.232	0.0005	<0.001		0.0374	<0.00001	0.00072	0.002	0.02		
	0.033	<0.00004		0.006	<0.00008		0.0016	0.00013	0.001	0.14	<0.0001	0.001		0.0096	<0.00001	0.00276	<0.001	0.01		
	0.046	<0.00004		0.008	<0.00008		0.0004	0.00009	0.001	0.24	0.0002	0.001		0.0154	<0.00001	0.00436	0.002	0.01		
	0.048	<0.00004		0.008	<0.00001		0.0007	0.00014	0.001	0.24	0.0001	0.001		0.0142	<0.00001	0.00452	0.001	0.01		
	0.028	<0.00004		<0.004	<0.00001		0.0013	0.0001	0.002	0.24	<0.0001	<0.001		0.0159	<0.00001	0.00109	<0.001	<0.01		
	0.029	<0.0001	<0.0005	0.005	<0.00001	29.2	<0.0005	0.0001	0.002	0.18	0.0002	<0.001	7.2	0.016	<0.00001	0.002	0.0008			
	0.053	<0.00004		0.006	0.00002	58.8	0.0006	0.00012	<0.001	0.213	0.0002	0.001	14.9	0.042	<0.00001	0.00484	<0.001	<0.01		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.54	<0.02	14	<0.001	6.37	0.24				0.002	<0.02	<0.001	0.007	<0.001						<0.005	<0.005	
	0.99	<0.02	10	<0.001	12.5	0.36				<0.001	<0.02	0.014	0.008	<0.001						<0.01	<0.01	
	1.2	<0.02	5.09	<0.001	6.55	0.229	5.39		<0.01	0.002	<0.06	<0.002	<0.005	<0.001						<0.01	<0.01	
	<2	<0.001	8.64	<0.00001	9	0.279		<0.00005		<0.01	0.00031	<0.001	0.002									
	<0.4	<0.0002	9.05	<0.0001	9.9	0.422	9.7	<0.00005	<0.001	0.0012	<0.0005	0.0011	<0.001		0.02	97						
	0.4	<0.0002	9.22	<0.0001	8.5	0.327	8.9	<0.00005	<0.001	0.0014	<0.0005	0.001	<0.001		0.02	108						
	5.2	0.0009	22	<0.0001	36.3	2.18	106	<0.00005	<0.001	0.0065	0.0012	0.0012	0.005		0.05							
	0.6	<0.0002	6.13	<0.0001	9.4	0.306	11.5	<0.00005	<0.001	0.0012	<0.0005	0.0014	0.002		0.04							
	0.7	<0.0002	7.79	<0.0001	14.6	0.58	24.3	<0.00005	<0.001	0.0018	0.0009	0.001	0.001		0.16							
	0.7	<0.0002	7.44	<0.0001	15.4	0.543	21.8	<0.00005	<0.001	<0.0005	0.0008	0.0011	0.004		0.03							
	0.9	<0.0002	6.91	<0.0001	15.8	0.576	24.3	<0.00005	<0.001	0.0017	0.0008	0.0012	0.003		0.04							
	1	<0.0002	7.33	<0.0001	16.1	0.549	26.5	<0.00005	<0.001	0.0015	<0.0005	0.0008	0.001		0.08							
	3.4	<0.0002	8.88	<0.0001	29.6	0.757	45.4	<0.00005	<0.001	<0.0005	0.001	0.001	0.001		<0.02							
	1.2	<0.0002	3.85	<0.0001	4.1	0.146	2.6	<0.00005	<0.001	0.0013	<0.0005	0.0012	0.01		0.15							
	1.2	<0.0002	6.23	<0.0001	18.1	0.604	26.4	<0.00005	<0.001	0.0028	0.0015	0.0014	<0.001		0.12							
	0.8	<0.0002	7.08	<0.0001	17.6	0.505	22.5	<0.00005	<0.001	0.0032	0.0007	0.0015	0.005		0.09							
	0.7	<0.0002	7.83	<0.0001	14.7	0.518	16.8	<0.00005	<0.001	0.0016	0.0006	0.0011	0.002		0.05							
	0.7	<0.0002	8.09	<0.0001	13.1	0.456	14	<0.00005	<0.001	0.0031	0.0005	0.001	0.002		<0.02							
	0.4	<0.0002	8.65	<0.0001	10.1	0.328	9.5	<0.00005	<0.001	0.0012	<0.0005	0.0009	0.003		0.08							
	6	<0.0002	19.9	<0.00001	26.9	1.34	51.5	<0.00005	<0.001	0.0036	0.0006	0.0027	0.008		0.01							
		<0.0006		<0.0001		1.31		<0.00001	<0.0001	0.0011	0.0007	0.00069	<0.001	<0.0001	<0.01		<0.0001	<0.0001	0.0001	<0.0001		
	1.02	<0.0006	1.81	<0.00001	3.61	0.149		<0.00001	<0.0001	0.0017	<0.0006	0.00096	0.005	0.0003	0.01	120	<0.0001	0.0003	<0.0001	<0.0001		
	0.75	<0.0006	3.23	<0.00001	9.87	0.322		<0.00001	<0.0001	0.0008	0.0004	0.00124	0.002	0.0004	0.03		0.0003	0.0004	<0.0001	<0.0001		
	0.74	<0.0006	7.27	<0.00001	13.5	0.502		<0.00001	<0.0001	0.0014	0.0005	0.00098	0.005	0.0003	0.02		<0.0001	<0.0001	<0.0001	0.0005		
W4	0.83	<0.0006	7.72	<0.00001	14.2	0.558		<0.00001	<0.0001	0.0012	0.0006	0.00089	0.003	0.0002	0.04		<0.0001	<0.0001	<0.0001	<0.0001		
	0.42	<0.0006	8.66	<0.00001	6.86	0.2		<0.00001	<0.0001	0.0018	<0.0004	0.00146	0.002	0.0004	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	<0.4	<0.0002	8.43	<0.00001	7.9	0.247	6.5	<0.00005	<0.001	0.0015	<0.0005	0.0009	0.004		<0.01							
	0.8	<0.0006	8.35	<0.00001	12.6	0.572		<0.00001	<0.0001	0.0011	0.0005	0.00058	0.005	0.0003	0.08		<0.0001	<0.0001	<0.0001	0.0001		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
W4																					20.1
																					21.7
																					21.1

SURFACE WATER - STREAMS

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.0856		27	140	96.5	7.5	8.25	7.8	193.1		144	1.1	**11.6**	85.6		73.3
		12-Jul-2009		0.012		1	270		0.5	7.96	8.1	246.3		373	6.6	**10.45**	85.5	217.0	183
		09-Sep-2009		0.022		<1	270		0.6	8.06	8.1	247.6		400	3.7	**11.55**	88.1	109.1	195
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees,			2	230		0.6	7.95	8.1	221.2		405	-0.1	**11.74**	80.3	48.9	181
		22-Apr-2010	Freshet conditions; some ice still present but not at cross section where flow measured; no samples collected, only installing loggers	0.116															
		12-May-2010	Increased flow. No issues.	0.065		1	140		0.6	7.58	7.8	90.7		181	0.1	**11.83**	88.2	83	89.5
		10-Jun-2010		0.012		3	270		0.4	7.83	8.1	251.7		423	3.4	**11.52**	86.6	366.3	179
		17-Aug-2010		0.019	0.235	1	220		0.7	8.09	8.29	202.4		308	7.5	**9.76**	88.6	77.8	147
		20-Oct-2010		0.019	0.213	<1	220		1.2	8.4	8.1	91.7		295	-0.1			369.5	142
		19-May-2011	Logger install; High Stage	0.534	1.075														
		31-May-2011	Water level has dropped recently	0.051	0.473	4	150		2	8.1	7.74	133.4		222	3.9	**12.82**	97.8		100
		28-Jun-2011		0.073	0.555	4	180		1.9	7.95	7.95	144		216	8.9	**10.73**	97.5	89.5	105
		07-Sep-2011	Moderate flows.	0.057	0.6	2	180		0.7	7.86	8.08		224	231	4.6	**12.29**	95.7	89.2	107
		27-Oct-2011		0.008		2	220		0.7	8.02	8.03		699.19	342	0.2				154
		25-May-2012	Staff gauge is not vertical - one of the trees to which it is anchored has fallen; Ion Balance Non-Calculable	0.102	0.74	11	144			7.87	7.96		182.1	184	1.5	**14.4**	103	330.6	91.2
		10-Aug-2012	High flow, turbid. Ion Balance Non-Calculable.	0.124	0.715	94	200			8.01	8.1		265.6	252	6.7	**13.68**	111.9	38.3	127
		03-Oct-2012		0.0377	0.43	3.1	210			7.56	8.24		286.5	258	0.00	**14.93**	102.3	75.5	124
		Oct-89	No in situ parameters measured			<5					7.5			157					
		Aug-91	No in situ parameters measured			1825			120		7.2			91					
		Dec-91	No in situ parameters measured			34			17		8.1			280					
		May-92	No in situ parameters measured			103			11		7.2			91					

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	75	59	72	<0.5	<0.5	<0.5	120	1.6		0.0008		0.0014	5.4	<0.005	<0.005	<0.02	0.53	0.53	0.02	0.017		10.6	25.3	24.2	**0.167**	
	183	140	170	<0.5	<0.5	<0.5		1.7		<0.0005		0.0005	54	<0.005	<0.005	<0.02			0.009	0.006			13.5	13.1	0.0156	
	195	150	190	<0.5	<0.5	<0.5		1.4		<0.0005		<0.0005	53	<0.005	<0.005	0.02			0.006	<0.005			12.5	12.3	0.0126	
	192	160	190	<0.5	<0.5	<0.5		1.4		<0.0005		<0.0005	55	<0.005	<0.005	0.14			0.009	<0.005			14.4	14.5	0.0105	
	90.6	75	91	<0.5	<0.5	<0.5	100	1		0.0008		0.0007	19	<0.01	<0.005	<0.02	0.56	0.56	0.008	<0.005		14.6	23.3	22.9	0.0376	
	196	150	180	<0.5	<0.5	<0.5	20	1.8		0.0008		0.0008	66	<0.01	<0.005	0.06	0.24	0.17	0.008	<0.005		6.4	8	8.2	0.0159	
	149	130	160	<0.5	<0.5	<0.5	60	1				<0.0005	36	0.18	<0.005	0.05	0.32	0.27	0.014	0.008		<0.5	18.6	18.1	0.0306	
	143	120	150	<0.5	<0.5	<0.5	30	0.7		<0.0005		<0.0005	27	0.018	<0.005	<0.02	0.49	0.49	0.017	0.009		27.6	15.9	16.5	0.0275	
	105	90	110	<0.5	<0.5	<0.5	100	1.2		<0.0005		<0.0005	24	0.009	<0.005	<0.02	0.47	0.47	0.008	<0.005		21.4	20.3	20.2	0.0357	
	103	95	120	<0.5	<0.5	<0.5	60	<0.5		0.002		0.0017	18	0.042	<0.005	<0.02	0.47	0.47	0.014	0.012		21.7	21.5	20.9	0.0499	
	106	100	120	<0.5	<0.5	<0.5	50	1.4		<0.005		<0.005	15	0.039	<0.005	<0.02	0.27	0.27	0.013	0.007		23.4	<0.5	19.9	0.0391	
	158	130	150	<0.5	<0.5	<0.5	30	1.5		<0.0005		<0.0005	34.1	0.026	<0.005	0.08	0.23	0.15	0.022	0.02		33.8	14.3	14.3	0.0283	
	86.6	78.8	96.2	<0.50	<0.50	<0.50		1.1	0.19				12.4	0.015	<0.050	<0.20							17	17.5	0.0726	
	125	115	140	<0.50	<0.50	<0.50		1.2	0.25				16.2	0.019	<0.050	<0.20							18.6	23.1	**0.475**	
	123	116	142	<0.50	<0.50	<0.50		0.93	0.2				15.9	0.024	<0.050	<0.20							18.4	19.1	0.0393	
	84	88						1.01					3.29	<0.05	<0.003	<0.1									<0.02	
	51.8	58											3.2	0.08	0.003	<0.05									**9.58**	
	140	145											3.8	<0.05	<2.0	<0.2			0.132						<0.005	
	63.3	44											2	<0.05	<0.03	<0.05			0.022						**1.71**	

Station	Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
		0.00005	0.00064	0.0312	0.00002	<0.000005	<0.05	0.00001	20.5	0.0003	0.000293	**0.00247**	**0.645**	0.000152	0.0006	5.33	0.0968	<0.00001	0.00111	
		0.00005	0.00048	0.0459	<0.00001	<0.000005	<0.05	<0.000005	53.2	<0.0001	0.000061	0.00109	0.208	0.000011	0.001	12.2	0.0175	<0.00001	0.00447	
		0.00005	0.00047	0.0467	<0.00001	<0.000005	<0.05	0.000014	55.5	**0.0014**	0.000074	0.00087	0.29	0.000117	0.0017	13.7	0.0196	<0.00001	0.00444	
		0.00004	0.00038	0.0431	<0.00001	<0.000005	<0.05	0.000009	50.5	0.0001	0.000064	0.00074	0.241	0.00002	0.0012	13.3	0.0414	<0.00001	0.00368	
		0.00005	0.00047	0.0289	0.00001	<0.000005	<0.05	0.000044	25.2	<0.0001	0.000105	0.00188	0.258	0.000092	0.0008	6.45	0.0291	<0.00001	0.00147	
		0.00005	0.00036	0.0478	<0.00001	<0.000005	<0.05	0.000012	48.5	0.0002	0.000058	0.00078	0.133	0.00009	0.0014	14.1	0.0163		0.0052	
		0.00007	0.00064	0.042	0.00001	<0.000005	<0.05	0.000011	40.9	0.0007	0.000087	0.0013	**0.363**	0.000142	0.0013	10.8	0.0231	<0.00001	0.00298	
		0.00004	0.0005	0.0371	<0.00001	<0.000005	<0.05	0.000006	39.6	0.0003	0.000089	0.00099	**0.353**	0.000011	0.0009	10.4	0.0468	<0.00001	0.00235	
		0.00005	0.00048	0.0314	<0.00001	<0.000005	<0.05	0.000015	28.6	0.0002	0.000087	0.00147	0.254	0.000171	0.0008	7.03	0.0203	<0.00001	0.0018	
		0.00004	0.00053	0.0341	0.00001	<0.000005	<0.05	0.000013	29.8	0.0003	0.00009	0.00177	0.271	0.000037	0.0009	7.51	0.018	<0.00001	0.00174	
		0.00005	0.00061	0.0359	0.00001	<0.000005	<0.05	0.00003	30.9	0.0003	0.000111	0.00158	**0.321**	0.000197	0.0008	7.3	0.0252	<0.00001	0.00137	
		0.00004	0.00047	0.0416	<0.00001	<0.000005	<0.05	0.000009	43.3	0.0002	0.0001	0.00091	**0.374**	0.000065	0.0012	11	0.0526	<0.00001	0.00255	
		0.000041	0.000606	0.0324	0.000012	<0.0000050	<0.050	0.0000261	25.9	0.00024	0.000197	**0.00219**	**0.551**	0.000102	0.00067	6.45	0.083	<0.000010	0.00147	
		0.00006	0.0011	0.0595	0.000037	<0.0000050	<0.050	0.000018	35.6	0.00078	0.000645	**0.00366**	**1.78**	0.0004	0.00111	9.2	0.169	<0.000010	0.00131	
		0.000049	0.000569	0.0359	0.000011	0.000005	<0.050	<0.0000050	35.2	0.00032	0.000105	0.00132	**0.36**	0.000124	0.00079	8.82	0.0476	<0.000010	0.00157	
		<0.005	<0.02	0.013	<0.0001		<0.001	<0.0002	18.8	**0.0016**	<0.0005	<0.0005	**0.458**	<0.002	0.36	4.16	0.046	<0.005	<0.001	
		<0.05	**0.11**	0.455	0.00065	<0.01		0.0006	29.5	**0.05**	0.016	**0.059**	**31.4**	**0.015**	<0.05	8.95	0.62		<0.005	
		<0.05	**0.11**	0.035	<0.0005	<0.01		<0.0003	39.6	**0.007**	0.001	<0.001	**1.48**	<0.004	<0.05	10.1	0.191		<0.005	
		<0.02	**0.04**	0.051	<0.0002	<0.02		<0.0003	13.1	<0.001	<0.001	**0.007**	**2.2**	<0.004	<0.05	4.09	0.098		<0.003	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00114	0.043	0.7	0.00007	4.5	<0.000005	4.04	0.165	6	0.000002	<0.00001	0.0055	0.000188	0.0017	0.0017	0.0004	0.0404	0.00005	0.00052	
	0.00074	0.014	0.69	0.00008	7.81	<0.000005	10.6	0.47	20	<0.000002	<0.00001	<0.0005	0.000485	0.0007	0.0005	0.0002	0.0125	0.00005	0.00045	
	0.00067	0.019	0.89	0.00009	8.6	<0.000005	12.7	0.507	21	<0.000002	<0.00001	0.0006	0.000561	0.0003	0.003	0.0002	0.0109	0.00005	0.0004	
	0.00061	0.014	0.71	0.00007	7.2	<0.000005	11.9	0.499	19	<0.000002	<0.00001	<0.0005	0.000544	0.0003	0.0005	0.0002	0.0122	0.00006	0.00038	
	0.00103	0.022	0.75	0.00008	5.17	<0.000005	5.89	0.225	<10	<0.000002	<0.00001	0.0015	0.000192	0.0007	0.0028	0.0002	0.0274	0.00004	0.00048	
	0.00078		0.99	0.00008	5.97	<0.000005	13.4	0.515	22	<0.000002	<0.00001	0.0006	0.000876	0.0006	0.0019	0.0001	0.0063	0.00005	0.00038	
	0.001	0.023	0.62	0.0001	8.92	0.000008	10	0.401	12	<0.000002	0.00002	0.0014	0.000333	0.0012	0.0042	0.0003	0.0207	0.00004	0.00062	
	0.00074	0.019	0.59	0.00008	8.72	<0.000005	8.84	0.364	12	<0.000002	<0.00001	0.0011	0.000367	0.0005	0.0002	0.0003	0.0194	0.00004	0.00046	
	0.00085		0.56	0.00009	6.9	<0.000005	6.09	0.255	<10	<0.000002	<0.00001	0.0013	0.000205	0.0007	0.0016	0.0002	0.0234	0.00004	0.00042	
	0.00114		0.36	0.00007	8.48	<0.000005	6.66	0.268	<10	<0.000002	<0.00001	0.0023	0.00017	0.0011	0.001	0.0003	0.0244	0.00005	0.00053	
	0.00123	0.017	0.44	0.00009	8.83	<0.000005	6.55	0.258	<10	<0.000002	0.00003	0.0013	0.00022	0.0008	0.0047	0.0003	0.0251	0.00005	0.00057	
	0.00069	0.022	0.69	0.0001	8.1	<0.000005	10.1	0.403	13	<0.000002	<0.00001	0.0009	0.000492	0.0007	0.0013	0.0002	0.02	0.00005	0.00053	
	0.00115	0.0282	0.663	0.000065	6.31	0.000006	5.73	0.205	<10	<0.0000020	<0.00020	0.00335	0.000224	0.00123	0.00317	0.00029	0.0215	0.000042	0.000516	
	0.00199	0.0672	0.455	0.000084	9.21	0.000006	8.79	0.314	<10	0.000004	<0.00020	0.0181	0.000383	0.0044	0.00424	0.00043	0.024	0.000054	0.000611	
	0.00104	0.0198	0.471	0.000062	9.13	<0.0000050	7.99	0.288	<10	<0.0000020	0.00023	0.00139	0.000266	0.00083	0.0026	0.0003	0.0199	0.000047	0.00055	
	0.0029	<0.5	<0.2	<0.005	5.53	<0.002	5.57	0.089				<0.001	<0.02	<0.0002	**0.0661**					
	0.04	1.64	3.28	<0.01	19.8	<0.001	6.56	0.22				1.07	<0.02	0.126	**0.072**	0.005	0.037	<0.05	<0.05	
	0.007	0.16	1.65	<0.01	5.9	<0.001	9.7	0.159				0.005	<0.02	<0.0005	0.004	<0.001	<0.005	<0.05	0.09	
	<0.001	0.08	1.61	<0.02	7.84	<0.001	2.85	0.083				0.084	<0.02	0.008	0.015	<0.001	0.058	<0.02	<0.04	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0268	0.00001	<0.000005	<0.05	0.000006	21.2	<0.0001	0.000163	0.00208	0.275	0.000044	0.0005	5.35	0.073	<0.00001	0.00131	0.001	0.022		
	0.0479	<0.00001	<0.000005	<0.05	0.000009	52.8	<0.0001	0.000076	0.0011	0.192	0.00001	0.0013	12.4	0.0158	<0.00001	0.00465	0.00071	0.013		
	0.0447	<0.00001	<0.000005	<0.05	<0.000005	55.8	0.0009	0.000059	0.00076	0.26	0.00011	0.0014	13.6	0.0168	<0.00001	0.00442	0.00063	0.014		
	0.0452	<0.00001	<0.000005	<0.05	0.00002	53.9	0.0002	0.000061	0.00078	0.24	0.000105	0.0014	14.1	0.0419	<0.00001	0.00376	0.00062	0.016		
	0.0285	0.00001	<0.000005	<0.05	0.000021	25.3	<0.0001	0.000109	0.00247	0.217	0.0001	0.0007	6.68	0.0271	<0.00001	0.00143	0.00201	0.014		
	0.0476	<0.00001	<0.000005	<0.05	0.000008	53.8	0.0001	0.000036	0.00064	0.096	0.000008	0.0013	15	0.00772		0.00568	0.0005			
	0.0428	<0.00001	<0.000005	<0.05	<0.000005	41.2	0.0007	0.00007	0.00124	0.305	0.000149	0.0012	11.3	0.0173	<0.00001	0.00298	0.00087	0.019		
	0.0365	<0.00001	<0.000005	<0.05	<0.000005	40.2	0.0003	0.000072	0.00102	0.312	0.000016	0.0009	10.4	0.0454	<0.00001	0.00232	0.00074	0.019		
	0.0315	<0.00001	<0.000005	<0.05	0.000012	29.9	0.0002	0.000069	0.00143	0.196	0.000103	0.0008	7.49	0.012		0.00192	0.00086			
	0.0326	<0.00001	<0.000005	<0.05	<0.000005	29.2	0.0002	0.000073	0.00165	0.178	0.000016	0.0008	7.4	0.0093		0.0018	0.00088			
	0.0347	<0.00001	<0.000005	<0.05	0.000016	30.6	0.0003	0.000089	0.00136	0.258	0.000023	0.0008	7.26	0.0216	<0.00001	0.00137	0.00099	0.015		
	0.0417	<0.00001	<0.000005	<0.05	0.000018	43.6	0.0003	0.000082	0.00174	0.303	0.000182	0.0012	11.9	0.0502	<0.00001	0.00257	0.00101	0.022		
	0.0298	<0.000010	<0.0000050	<0.050	0.0000089	24.4	0.00018	0.000114	0.00132	0.255	0.0000153	0.00068	6.26	0.049	<0.000010	0.00151	0.000829	0.0139		
	0.0391	<0.000010	<0.0000050	<0.050	<0.0000050	34.7	0.0003	0.00016	0.00163	0.35	0.000098	0.00094	9.37	0.061	<0.000010	0.00178	0.000988	0.0167		
	0.0333	<0.000010	<0.0000050	<0.050	<0.0000050	35.2	0.00022	0.00009	0.000997	0.293	0.000073	0.00072	8.49	0.0423	<0.000010	0.00156	0.000887	0.0179		
	0.037	<0.0005	<0.01		<0.0003	23.7	0.007	0.001	0.001	0.987	<0.004	<0.05	5.82	0.142		<0.005	0.0045	<0.02		
	0.032	<0.0005	<0.01		<0.0003	39.4	0.006	0.001	<0.001	0.748	<0.004	<0.05	9.83	0.224		<0.005	0.005	0.11		
	0.017	<0.0002	<0.02		<0.0003	10	<0.001	<0.001	0.006	0.392	<0.004	<0.05	2.88	0.053		<0.003	<0.001	0.03		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.73	0.00007	4.4	<0.000005	4.17	0.169	5	<0.000002	<0.00001	0.0013	0.000155	0.0007	0.0019	0.0004	<0.02	NC	<0.00002	<0.00002	0.000018	0.000043		
	0.71	0.00008	7.66	<0.000005	11	0.498	19	0.000004	<0.00001	<0.0005	0.000527	0.0008	0.0004	0.0002	<0.02	100	<0.00002	<0.00002	0.000015	0.000023		
	0.86	0.00009	8.3	<0.000005	13	0.5	21	<0.000002	<0.00001	0.0007	0.000563	0.0004	0.0023	0.0002	0.02	110	<0.00002	<0.00002	0.000017	0.000017		
	0.77	0.00008	8.4	<0.000005	12.8	0.512	19	<0.000002	<0.00001	<0.0005	0.000547	0.0004	0.0019	0.0002	0.14	100	<0.00002	<0.00002	0.000022	0.000018		
	0.82	0.00007	5.03	<0.000005	6.02	0.22	<10	<0.000002	0.00001	<0.0005	0.000187	0.0006	0.0047	0.0003	<0.02		<0.00002	<0.00002	0.000012	0.000016		
	1.06	0.00009	6.95	<0.000005	14.1	0.545	25	<0.000002	<0.00001	<0.0005	0.000929	0.0006	0.0007	0.0001	0.06							
	0.63	0.00007	8.82	<0.000005	10.4	0.41	13	<0.000002	<0.00001	0.0005	0.000366	0.0007	0.0023	0.0003	0.05		<0.00002	<0.00002	0.000013	0.000018		
	0.58	0.00008	9.24	<0.000005	9.08	0.366	11	<0.000002	<0.00001	<0.0005	0.000362	0.0005	0.0014	0.0003	<0.02		<0.00002	<0.00002	0.000014	0.000014		
	0.59	0.00009	6.87	<0.000005	6.51	0.26	<10	<0.000002	0.00001	0.0007	0.000213	0.0007	0.0016	0.0002	<0.02							
	0.35	0.00009	8.18	<0.000005	6.58	0.268	<10	<0.000002	0.00001	0.0009	0.000158	0.001	0.001	0.0003	<0.02							
	0.43	0.0001	8.52	<0.000005	6.46	0.257	<10	<0.000002	<0.00001	0.0009	0.000211	0.0007	0.0012	0.0003	<0.02	NC	<0.00002	<0.00002	0.000011	0.000015		
	0.77	0.00009	8	0.000005	11.1	0.414	14	<0.000002	0.00004	0.0008	0.00055	0.0006	0.0052	0.0002	0.08	110	<0.00002	<0.00002	0.000007	<0.000005		
	0.65	0.000079	5.94	<0.0000050	5.51	0.2	<10	<0.0000020	<0.00020	0.00074	0.000204	0.00084	0.00125	0.00023	<0.20							
	0.489	0.000063	9.13	<0.0000050	9.2	0.305	<10	<0.0000020	0.00045	0.0009	0.000341	0.00169	0.00095	0.00026	<0.20							
	0.465	0.000071	9	<0.0000050	7.64	0.271	<10	<0.0000020	<0.00020	0.00086	0.000252	0.00078	0.00113	0.00028	<0.20							
																				<0.01		
	0.23	<0.01	10.6	<0.001	5.38	0.074				0.003	<0.02	0.004	0.004	<0.001					<0.02	<0.02		
	1.25	<0.01	5.5	<0.001	7.95	0.156				0.003	<0.02	<0.0005	<0.001	<0.001					<0.02	<0.02		
	1.12	<0.02	4.3	<0.001	2.47	0.06				<0.001	<0.02	0.001	0.008	<0.001					<0.005	<0.005		

Station	...ed	...horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
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Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP (f
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W5	South East Tributary to Williams Creek	Jul-92	No in situ parameters measured			800			27		7.2			89					
		Oct-92	No in situ parameters measured			<5			3		7.5			228					
		May-94	No in situ parameters measured			6	129		2		7.8			135					
		07-Jun-2006	Flow not measured: low flow			3		190	1.1	7.77		93.2		168	5.50	7.60		123	
		13-Jul-2006	Discharge not measured, insufficient flow			<2		120	2	7.53		159		215		6.31		-29	
		14-Aug-2006		0.0037		14		137	1.4	7.90				234	6.10	6.44		118	
		13-Sep-2006		0.0009		<2		148	1.4	7.00		295		237	5.20	7.80			
		18-Oct-2006	Discharge not measuresd-Ice			29	160	131	10.3	6.90	7.84	263		225	1.80	7.01		-1.0	
		19-Apr-2007	Discharge not measured; ice			<2	288	202	0.2	7.92	8.12	402		369					
		09-May-2007		0.0270		2	148	51.0	0.6	**4.64**	7.34	100.7		74	-0.50	7.45			
		20-Jun-2007		0.0004		<2	186	144.0	1.4	8.10	7.64	287.0		256	2.50				
		24-Jul-2007		0.0048		9	184	131	2.1	7.7	7.49	261		239	5.5	9.66			
		13-Aug-2007		0.0011		<2	186	127	0.5	7.2	7.71	255		237	4.5	9.87	85.0		
		12-Sep-2007		0.0032		3	198	97	0.4	8.00	7.65	395		177	1.5	8.09	81.5		
		11-Oct-2007		0.0045		<2	132	92	1.6	7.3	7.72	185		163	0.0	11.41	79.0		
		06-Mar-2008	No Water	0															
		18-Apr-2008	No Water	0															
		13-May-2008		0.0349		<2	154		1.2	7.21	7.14	79.5		73	0		98.6		
		03-Jun-2008	No discharge, reason not specified			<2	170	241	0.5	7.02	7.73	494		178	3.2				
		30-Jul-2008		0.0016		<2	176	318	1	7.3	7.64	635		196	4	9.22	74		
		20-Aug-2008		0.0017		26	212		1.1	7.33	7.82	190		225	5	8.55	80.9		
		02-Sep-2008		0.0324		12	144	66.2	0.5	7.21	7.62	132.6		115	3.3	10.05	79		
		02-Oct-2008		0.0116		<2	166	73.9	0.8	7.12	7.77	148		127	1	11.86	83.6		
		26-Nov-2008	No Data - Glaciated																
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.0262		35	86	58.7	10.5	7.82	7.6	117.7		88	-0.9	11.41	81.9		42.1
		12-Jul-2009	Difficult to accurately measure. Flows estimated.No ionic balance available	0.003		1	160		2.1	7.54	7.9	139.5		206	6.7	9.25	75.3	112.6	96.9

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W5	163	66											2.7	0.11	<0.05	<0.03			0.24							**8.02**
	109	100											9.4	0.2	<2.0	<0.2			0.027							0.037
	52.8	50	50	<5		<5		0.59	<1				11.6	<0.05	<0.5	<0.05			0.009							**0.25**
	77													<0.05				0.45	<0.1	0.13		14.2	13.9	13.7	0.042
	96													<0.05				0.41	<0.1	0.1		22.8	13	14.9	0.087
	100													<0.05				0.34	0.1	0.05		24.5	14.5	15.4	**0.482**
	110													<0.05				0.17	0.09	0.08		25.2	13.4	13.8	0.032
	100	96	118	<6		<5	39	2.6						<0.05	<0.005	0.01		0.38	0.08	0.05		25	12.8	12.8	0.043
	174	123	150	<6		<5	>60	2.4					67	<0.05	<0.05	<0.1		0.46	0.08	0.06	0.07	29.4	16.5	18	0.019
	49	32	39	<6		<5	>60	0.4					4.6	0.07	<0.05	<0.1		1.3	0.07	0.03		6	48.9	51.9	**0.16**
	120	107	130	<6		<5	42	0.9					28	<0.05	<0.05	<0.1		0.43	<0.05	0.05		12.5	12.7	12.4	0.036
	110	102	124	<6		<5	40	0.6					28	<0.05	<0.05	<0.1		0.46	<0.05	0.08		23.6	13.5	13.8	**0.142**
	110	106	130	<6		<5	52	0.8					24.2	<0.05	<0.05	<0.1		1.28	<0.05	0.07		39.2	14.8	14.9	0.027
	88	96	120	<6		<5	58	0.61					15.6	<0.05	<0.02	<0.02		0.4	<0.05	0.09		19.7	15.2	15.1	0.082
	76	71	87	<6		<5	70	0.56					12.9	<0.05	<0.02	<0.02		<0.06	0.11	0.08		14.3	18.1	18.7	0.057
	40	28	34	<6		<5	300	0.28					3.92	<0.05	<0.02	0.1		1.16	<0.05	0.04		5	41.4	48.1	**0.17**
	83	75	90	<6		<5	58	0.57					19.4	<0.05	0.04	0.01		0.51	<0.05	0.06	<0.05	17	16.9	17.2	0.01
	101	99	100	<6		<5	70	0.42					16.9	<0.05	0.03	<0.01		0.69	<0.05	0.08		21.9	16.6	16.7	**1.68**
	103	101	120	<6		<5	52	0.78					20.4	<0.05	<0.01	0.02		0.47	<0.05	0.07		25.2	16.4	16.1	0.039
	61	57	70	<6		<5	110	0.26					5.9	<0.05	<0.01	<0.01		0.56	0.06	0.12		11.9	25.9	27.3	**0.176**
	60	49	60	<6		<5	70	0.35					7.55	<0.05	<0.01	<0.01		0.49	<0.05	0.08	<0.05	13.7	20.2	20	**0.126**
	44.6	35	42	<0.5	<0.5	<0.5	140	1.8		0.0008		0.0014	<0.5	<0.005	<0.005	<0.02	0.57	0.57	0.024	0.005		5.4	24.5	27.3	**0.223**
	97.1	90	110	<0.5	<0.5	<0.5		1		<0.0005		0.0009	15	0.009	<0.005	<0.02			0.014	<0.005			17.1	17	0.0264

Station	Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
		<0.02	<0.04	0.239	<0.0002	<0.02		<0.0003	25.3	0.014	0.007	0.034	14.4	0.009	<0.05	6.9	0.419		<0.003	
		<0.02	<0.05	0.037	<0.0002	<0.02		0.0004	30.3	0.002	0.003	0.004	0.664	<0.005	<0.05	7.62	0.304		<0.004	
		<0.02	<0.02	0.024	<0.0002	<0.02		<0.0005	15.2	0.001	<0.001	0.023	0.447	<0.01	<0.002	3.55	0.014		<0.005	
		<0.0002	0.0003	0.028	<0.0001	<0.0005	0.006	<0.00001	22.3	<0.0005	<0.0001	0.001	0.2	<0.0001	<0.001	5.6	0.02		<0.001	
		<0.0002	0.0005	0.036	<0.0001	<0.0005	0.005	<0.00001	28.1	<0.0005	0.0002	0.002	0.5	<0.0001	<0.001	6.4	0.078		<0.001	
		<0.0004	0.0005	0.052	<0.0002	<0.001	0.008	<0.00002	28	0.001	0.0006	0.002	1.1	0.0002	<0.002	6.9	0.11		<0.002	
		<0.0004	0.0005	0.038	<0.0002	<0.001	0.007	<0.00002	29.3	<0.001	0.0002	<0.002	0.4	<0.0002	<0.002	7.1	0.13		<0.002	
		<0.0002	0.0005	0.036	<0.0001	<0.0005	0.004	<0.00001	28.5	0.0005	0.0003	0.001	0.6	<0.0001	<0.001	7.6	0.155		<0.001	
		<0.0002	0.0003	0.035	<0.0001	<0.0005	0.002	<0.00001	41.4	<0.0005	<0.0001	0.003	<0.1	0.0002	<0.001	15.6	0.066		<0.001	
		<0.0004	<0.0004	0.024	<0.0002	<0.001	0.007	<0.00002	14	<0.001	0.0002	0.003	0.4	0.0002	<0.002	3.7	0.064	<0.0001	<0.002	
		<0.0002	0.0003	0.04	<0.0001	<0.0005	0.005	<0.00001	32.2	<0.0005	0.0003	0.002	0.5	<0.0001	<0.001	7.6	0.123	<0.00002	<0.001	
		<0.0002	0.0002	0.039	<0.0001	<0.0005	0.007	0.00001	29.3	0.0006	0.0002	0.002	0.4	0.0001	<0.001	7.4	0.073	<0.00002	<0.001	
		<0.0002	0.0005	0.037	<0.0001	<0.0005	0.006	<0.00001	29.3	0.0005	0.0002	0.001	0.3	<0.0001	<0.001	7.3	0.098	<0.00002	<0.001	
		<0.0002	0.0006	0.033	<0.0001	<0.0005	0.004	<0.00001	24.2	0.002	0.0002	0.003	0.3	0.0001	<0.001	6.3	0.054	<0.00002	<0.001	
		<0.0002	0.0004	0.024	<0.0001	<0.0005	0.004	<0.00001	21.2	0.0014	0.0002	0.003	0.3	0.0002	<0.001	5.2	0.053	<0.00001	<0.001	
		<0.0002	0.0002	0.025	<0.00004		<0.005	<0.00007	11.5	0.001	0.00052	0.003	0.94	0.0001	<0.001	2.61	0.232	0.00002	0.00026	
		<0.0002	0.0002	0.027	<0.00004		<0.005	<0.00007	23.7	0.0007	0.00009	0.001	0.19	<0.0001	<0.001	5.84	0.0343	<0.00001	0.00051	
		<0.0002	0.0023	0.082	0.00005		<0.005	<0.00008	31.3	0.0034	0.00166	0.007	6.09	0.001	0.001	7.56	0.376	<0.00001	0.00039	
		<0.0002	0.0006	0.031	<0.00004		<0.005	<0.00001	30.6	0.0008	0.00013	<0.001	0.31	<0.0001	<0.001	7.46	0.0422	<0.00001	0.00047	
		<0.0002	0.0004	0.025	<0.00004		<0.005	<0.00001	17.5	0.0009	0.00026	0.002	0.69	0.0002	<0.001	4.04	0.0586	0.00001	0.00035	
		<0.0002	0.0004	0.023	<0.0001	<0.0005	0.006	0.00002	17.2	0.0007	0.0002	0.003	0.32	0.0002	<0.001	4.2	0.055	<0.00001	<0.001	
W5		0.00004	0.0007	0.0286	0.00003	<0.000005	<0.05	0.000014	11.9	0.0004	0.000438	0.00276	0.788	0.000173	<0.0005	3	0.134	0.00001	0.00044	
		0.00005	0.00058	0.0338	<0.00001	<0.000005	<0.05	0.000006	28	0.0002	0.000258	0.00143	0.373	0.000014	0.0005	6.54	0.133	<0.00001	0.00068	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.025	0.82	1.21	<0.02	22.2	<0.001	6.28	0.15				0.364	<0.02	0.043	**0.043**	0.003	0.06	<0.02	<0.04	
	0.004	0.03	0.52	<0.02	13	<0.001	8.65	0.157				<0.001	<0.02	0.007	0.01	<0.001	0.034	<0.02	<0.05	
	0.002	<0.05	1.2	<0.02	5.26	<0.001	5.25	0.086	2.99		<0.01	0.016	<0.06	<0.002	<0.005	<0.001	0.01	<0.02	<0.02	
	0.0005		0.6	<0.0002	6.02	<0.0001	8.8	0.115	6.1	<0.00005	<0.001	0.0019	<0.0005	0.0006	<0.001	<0.001	0.014	<0.0002	0.0005	
	0.001		0.5	<0.0002	6.3	<0.0001	10.6	0.162	8.6	<0.00005	<0.001	0.004	<0.0005	0.001	0.007	<0.001	0.016	<0.0002	0.0004	
	0.001		<0.8	<0.0004	8.16	<0.0002	11	0.16	7.6	<0.0001	<0.002	0.02	<0.001	0.0026	0.002	<0.002	0.019	<0.0002	0.0004	
	0.001		<0.8	<0.0004	7.52	<0.0002	11	0.17	6.9	<0.0001	<0.002	0.001	<0.001	0.0006	0.004	<0.002	0.02	<0.0002	0.0005	
	0.0012		0.4	<0.0002	7.9	<0.0001	9.6	0.164	7.4	<0.00005	<0.001	0.0022	<0.0005	0.0007	0.002	<0.001	0.014	<0.0002	0.0002	
	0.0006		2.6	<0.0002	6.89	<0.0001	20	0.277	24.7	<0.00005	<0.001	<0.0005	<0.0005	0.0002	0.006	<0.001	0.012	<0.0002	0.0004	
	0.0026	0.02	1	<0.0004	3.14	<0.0002	3	0.09	2	<0.0001	<0.002	0.0026	<0.001	0.001	0.01	<0.002	0.064	<0.0002	0.0004	
	0.0012	<0.02	0.5	<0.0002	6.99	<0.0001	12.1	0.182	9.7	<0.00005	<0.001	0.0018	<0.0005	0.0007	0.004	<0.001	0.016	<0.0002	0.0005	
	<0.0005	<0.02	0.5	<0.0002	6.02	<0.0001	11.8	0.196	9.3	<0.00005	<0.001	0.0067	<0.0005	0.0008	0.006	<0.001	0.02	<0.0002	0.0005	
	0.0011	<0.02	0.4	<0.0002	7.6	<0.0001	11.3	0.186	7.3	<0.00005	<0.001	0.0012	<0.0005	0.0006	0.002	<0.001	0.014	<0.0002	0.0005	
	0.0006	<0.02	0.5	<0.0002	8.05	<0.0001	9.4	0.148	4.8	<0.00005	<0.001	0.0064	<0.0005	0.0005	0.006	<0.001	0.027	0.0009	0.0003	
	0.0019	<0.02	<0.4	<0.0002	8.6	<0.0001	8.4	0.146	4.2	<0.00005	<0.001	0.0012	<0.0005	0.0007	0.004	<0.001	0.03	0.001	0.0004	
	0.008	0.05	1.13	<0.0006	1.38	<0.0001	2.4	0.069		<0.00001	<0.0001	0.0056	<0.0005	0.00147	0.002	0.0004	0.034	0.0007	<0.0002	
	<0.001	0.01	0.61	<0.0006	2.97	<0.00005	7.8	0.138		<0.00001	<0.0001	0.0012	<0.0004	0.00045	0.016	0.0004	<0.01	0.0008	<0.0002	
	0.017	0.17	0.62	<0.0006	10.1	<0.00001	10.4	0.198		0.00001	0.0019	0.0433	<0.0004	0.00812	0.014	0.0006	0.02	0.0006	0.0004	
	0.002	0.03	0.45	<0.0006	7.9	<0.00001	10.9	0.185		<0.00001	<0.0001	0.0022	<0.0004	0.00058	0.003	0.0003	0.014	0.0008	0.0003	
	<0.001	0.02	0.33	<0.0006	7.99	<0.00001	5.7	0.108		<0.00001	<0.0001	0.0081	<0.0004	0.00143	0.005	0.0004	0.042	0.0004	0.0004	
	0.0015		<0.4	<0.0002	7.83	0.00011	5.9	0.119	2.7	<0.00005	<0.001	0.0046	<0.0005	0.0011	0.005	0.001	0.039	<0.0002	0.0005	
W5	0.00121	0.048	0.93	0.00004	3.5	<0.000005	2.87	0.0759	<3	0.000003	<0.00001	0.007	0.00013	0.0021	0.0022	0.0004	0.0621	0.00004	0.00045	
	0.00101	0.009	0.38	0.00005	8.03	<0.000005	7.68	0.161	7	<0.000002	<0.00001	0.0007	0.000059	0.0005	0.0005	0.0003	0.0242	0.00006	0.00049	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.041	<0.0002	<0.02		<0.0003	19	<0.001	<0.001	<0.001	0.63	<0.004	<0.05	4.37	0.0194		<0.003	0.002	0.03		
	0.031	<0.0002	<0.02		<0.0004	26.1	<0.001	0.003	0.001	0.322	<0.005	<0.05	6.6	0.271		<0.004	0.003	0.03		
	0.023	<0.0002	<0.02		<0.0005	15.1	<0.001	<0.001	0.006	0.076	<0.01	<0.002	3.51	0.007		<0.005	0.004	<0.05		
	0.046	<0.0001	<0.0005	0.003	<0.00001	21.4	<0.0005	0.0001	0.002	0.15	<0.0001	<0.001	5.7	0.017		<0.001	0.0006			
	0.036	<0.0001	0.0007	0.004	<0.00001	26.8	0.001	<0.0001	0.001	0.27	<0.0001	<0.001	7	0.071		<0.001	0.0006			
	0.036	<0.0001	<0.0005	0.005	<0.00001	29.4	0.0012	0.0002	0.001	0.18	<0.0001	<0.001	7.3	0.086		<0.001	0.0011			
	0.036	<0.0001	<0.0005	0.005	<0.00001	30.2	0.0007	0.0003	0.001	0.33	<0.0001	0.001	7.8	0.133		<0.001	0.0009			
	0.032	<0.0001	<0.0005	<0.002	<0.00001	29.3	<0.0005	0.0002	<0.001	0.29	<0.0001	<0.001	7.2	0.172		<0.001	0.0008			
	0.036	<0.0001	<0.0005	0.002	<0.00001	44	<0.0005	<0.0001	0.002	0.07	<0.0001	<0.001	15.7	0.07		0.001	<0.0005			
	0.021	<0.0001	<0.0005	0.003	<0.00001	14.2	0.0011	0.0002	0.002	0.18	0.0002	<0.001	3.3	0.037	<0.0001	<0.001	0.0031			
	0.038	<0.0001	<0.0005	0.004	<0.00001	33.4	0.0014	0.0002	<0.001	0.33	<0.0001	<0.001	8.3	0.085	<0.00002	<0.001	<0.0005			
	0.037	<0.0001	<0.0005	0.006	<0.00001	31.7	0.0006	0.0002	0.001	0.2	<0.0001	<0.001	7.9	0.072	<0.00002	<0.001	<0.0005			
	0.036	<0.0001	<0.0005	0.005	<0.00001	30.3	<0.0005	0.0002	0.001	0.26	0.0001	<0.001	7.6	0.101	<0.00002	<0.001	<0.0005			
	0.03	<0.0001	<0.0005	0.004	<0.00001	24.6	0.0011	0.0002	0.002	0.19	0.0001	<0.001	6.4	0.055	<0.00002	<0.001	<0.0005			
	0.024	<0.0001	<0.0005	0.003	<0.00001	21.6	0.0008	0.0001	0.001	0.2	<0.0001	<0.001	5.4	0.05	<0.00001	<0.001	0.0009			
	0.019	0.00004		<0.004	<0.00008		<0.0006	0.00033	<0.001	0.232	<0.0001	<0.001		0.1557	0.00001	0.00033	0.002	0.03		
	0.026	<0.00004		<0.004	<0.00008		0.0012	0.00016	<0.001	0.12	<0.0001	<0.001		0.0262	<0.00001	0.00053	<0.001	0.01		
	0.032	<0.00004		<0.004	<0.00008		0.0004	0.00014	0.001	0.25	<0.0001	<0.001		0.0514	<0.00001	0.00054	0.002	<0.01		
	0.031	<0.00004		<0.004	<0.00001		0.0006	0.00018	0.001	0.2	0.0001	<0.001		0.0341	<0.00001	0.00047	0.001	<0.01		
	0.023	<0.00004		<0.004	<0.00001		0.0011	0.00014	0.002	0.28	0.0003	<0.001		0.0437	<0.00001	0.00044	<0.001	<0.01		
	0.022	<0.0001	<0.0005	0.004	<0.00001	17.2	<0.0005	<0.0001	0.002	0.2	<0.0001	<0.001	4.1	0.05	<0.00001	<0.001	0.0006			
W5	0.021	0.00001	<0.000005	<0.05	0.000008	12.6	0.0001	0.000232	0.00192	0.267	0.000045	<0.0005	3.22	0.087	<0.00001	0.00054	0.00093	0.022		
	0.0344	0.00001	<0.000005	<0.05	<0.000005	27.6	0.0001	0.000264	0.00125	0.305	0.000007	0.0006	6.83	0.132	<0.00001	0.00066	0.00107	0.008		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.28	<0.02	14.3	<0.001	5.44	0.11				0.002	<0.02	<0.001	0.005	<0.001						<0.005	<0.005	
	0.5	<0.02	11.4	<0.001	6.96	0.136				<0.001	<0.02	0.006	0.008	<0.001						<0.01	<0.01	
	1.1	<0.02	4.97	<0.001	5.22	0.085	3.08		<0.01	0.002	<0.06	<0.002	0.008	<0.001						<0.01	<0.01	
	<0.4	<0.0002	6.46	<0.0001	7.1	0.392	6.1	<0.00005	<0.001	0.001	<0.0005	0.0012	0.004		<0.02							
	<0.4	<0.0002	6.51	<0.0001	10.2	0.162	8.7	<0.00005	<0.001	0.0011	<0.0005	0.0006	0.001		0.02							
	<0.4	<0.0002	7.82	<0.0001	11.4	0.175	7.7	<0.00005	<0.001	<0.0005	<0.0005	0.0007	0.004		<0.02							
	0.5	<0.0002	7.52	<0.0001	11.9	0.172	7.1	<0.00005	<0.001	0.001	<0.0005	0.0011	0.002		0.22							
	0.4	<0.0002	7.79	<0.0001	10.5	0.152	7.8	<0.00005	<0.001	0.0008	<0.0005	0.0006	0.001		<0.02							
	3	<0.0002	7.52	<0.0001	23.8	0.277	27.1	<0.00005	<0.001	0.0016	<0.0005	0.0007	0.002		0.04							
	1.4	<0.0002	2.99	<0.0001	3.2	0.082	1.8	<0.00005	<0.001	0.0012	<0.0005	0.0008	0.007		0.02							
	0.6	<0.0002	7.44	<0.0001	13.3	0.187	10.5	<0.00005	<0.001	0.0016	<0.0005	0.0034	<0.001		<0.02							
	<0.4	<0.0002	8.04	<0.0001	12.1	0.19	10.2	<0.00005	<0.001	0.0012	<0.0005	0.0005	0.004		<0.02							
	<0.4	<0.0002	7.8	<0.0001	11.6	0.182	7.5	<0.00005	<0.001	0.0011	<0.0005	0.0005	0.003		0.05							
	<0.4	<0.0002	8.12	<0.0001	9.4	0.156	5	<0.00005	<0.001	0.0012	<0.0005	0.0005	0.002		<0.02							
	<0.4	<0.0002	8.42	<0.0001	8.3	0.134	4.4	<0.00005	<0.001	0.0011	<0.0005	0.0005	0.002		0.7							
	1.16	<0.0006	1.34	<0.00001	2.5	0.073		<0.00001	<0.0001	0.0018	<0.0006	0.00064	0.002	0.0005	<0.01	150	<0.0001	0.0002	0.0001	<0.0001		
	0.6	<0.0006	3.09	<0.00001	8.15	0.137		<0.00001	<0.0001	0.0006	<0.0004	0.00057	0.001	0.0004	0.02		0.0004	0.0003	<0.0001	<0.0001		
	0.38	<0.0006	7.46	<0.00001	10.1	0.173		<0.00001	<0.0001	0.0013	<0.0004	0.00042	0.002	0.0003	<0.01		<0.0001	<0.0001	<0.0001	0.0003		
	0.44	<0.0006	7.71	<0.00001	10.2	0.177		<0.00001	<0.0001	0.0011	<0.0004	0.00044	0.003	0.0003	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.32	<0.0006	7.95	<0.00001	5.91	0.106		<0.00001	<0.0001	0.0014	<0.0004	0.00104	0.002	0.0004	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	<0.4	<0.0002	8.06	<0.00001	5.8	0.112	2.6	<0.00005	<0.001	0.0011	<0.0005	0.0008	0.002		<0.01							
W5	1	0.00005	3.5	<0.000005	3.14	0.0766	<3	<0.000002	<0.00001	0.0018	0.000067	0.0008	0.0034	0.0004	<0.02	NC	<0.00002	<0.00002	0.000021	0.000047		
	0.37	0.00004	7.98	<0.000005	7.83	0.167	5	<0.000002	<0.00001	0.0006	0.000056	0.0005	0.0009	0.0003	<0.02	NC	<0.00002	<0.00002	0.00002	0.000026		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
W5																					20.9

SURFACE WATER - STREAMS

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		09-Sep-2009	Low flow and very narrow channel; one flow metering reading taken; Ionic Balance not available			<1	160		1.3	7.83	7.9	128.7		209	3.5	10.32	77.9	33.5	98.5
		15-Oct-2009	No Ionic Balance Available, Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			5	130		2.1	7.55	7.8	108.9		200	-0.1	7.64	52.3	38.4	81.8
		12-May-2010	Slightly increased flows. Minor ice noted in channel reach.	0.015		1	66		1.1	7.52	7.6	56		112	0.3	10.78	81.6	44	52.2
		10-Jun-2010		0.001		2	160		1.1	7.2	7.8	140		225	4.9	5.81	45.5	362.9	88.5
		17-Aug-2010	Station W5 dry to streambed, no samples collected	0															
		20-Oct-2010	Station dry to stream bed, no flows or samples collected.	0															
		31-May-2011	dispersed flow within multiple channels; visual estimate of flow	0.004		3	120		2.4	7.73	7.43	95.5		163	3.3	11.56	91		68.8
		28-Jun-2011	Dry.	0															
		07-Sep-2011	Flow estimated. Stream flows underground just below sample site. Stream was not flowing in June.	0.0005		14	120		4.8	7.69	7.92		1.7	142	3.8	11.68	90.2	92.8	67.6
		28-Oct-2011				3	130		3.5	7.59	7.76		365.37	188	0.3				82.4
		25-May-2012	Ion Balance Non-Calculable	0.016		195	104			7.69	7.79		109.5	111	3.1	13.8	103	261.9	59.8
		10-Aug-2012	Stream braided, large stretch of the creek with recent slumping. Creek flowing underground at some points. Moderate flow, high turbidity. Ion Balance Non-Calculable.	0.015		249	156			7.47	7.82		161.5	153	6.7	12.37	101	-9.7	86.6
		03-Oct-2012				17.9	160			7.36	8.07		76.5	163	0.60	14.34	99.9	27.9	75.6
		Oct-89	No in situ parameters measured			<5					7.9			415					

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	97	90	110	<0.5	<0.5	<0.5		1.7		<0.0005		<0.0005	17	<0.005	<0.005	<0.02			0.007	<0.005			16.7	17.2	0.0252
	89.3	83	100	<0.5	<0.5	<0.5		0.6		<0.0005		<0.0005	19	0.016	<0.005	0.1			0.01	<0.005			18.8	19.5	0.0261
	53	42	52	<0.5	<0.5	<0.5	100	1		<0.0005		<0.0005	8.5	<0.01	0.006	<0.02	0.63	0.63	0.009	<0.005		7.1	22.6	23.6	0.0447
	92.2	86	110	<0.5	<0.5	<0.5	30	0.9		0.0009		0.0009	30	0.06	<0.005	<0.02	0.28	0.28	0.009	<0.005		18.2	11.5	12.3	0.022
	72.5	66	81	<0.5	<0.5	<0.5	75	1		<0.0005		<0.0005	15	0.014	<0.005	<0.02	0.5	0.5	0.009	<0.005		15.8	18.2	18.9	0.0327
	64	66	80	<0.5	<0.5	<0.5	60	1.1		<0.005		<0.005	1.8	0.097	<0.005	<0.02	0.24	0.24	0.033	0.013		14.8	21.6	21.7	**0.163**
	82.2	71	87	<0.5	<0.5	<0.5	50	1		<0.0005		<0.0005	11.3	0.075	<0.005	<0.02	0.23	0.23	0.015	0.007		18.8	14.4	15.6	0.0423
	50.5	49.3	60.2	<0.50	<0.50	<0.50		1.5	0.16				1.75	0.051	<0.050	<0.20							16.4	17.2	**0.868**
	70.7	71.3	87	<0.50	<0.50	<0.50		1.3	0.23				1.31	0.021	<0.050	<0.20							19.9	26.9	**1.37**
	75.3	76.4	93.3	<0.50	<0.50	<0.50		<0.50	0.18				5.3	0.035	<0.050	<0.20							17.1	17	0.0954
	168.6	140						1.3	<1				51		0.003	<0.1									<0.02

Station	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol…
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00005	0.00053	0.0331	0.00001	<0.000005	<0.05	0.000025	28.3	**0.0014**	0.000248	0.00115	**0.354**	0.000132	0.0009	6.74	0.136	<0.00001	0.00089	
	0.00005	0.00051	0.0286	0.00001	<0.000005	<0.05	0.000041	23.1	0.0003	0.000256	0.00106	**0.338**	0.000087	0.0006	5.89	0.15	<0.00001	0.00064	
	0.00003	0.00039	0.0205	<0.00001	<0.000005	<0.05	0.00001	14.6	<0.0001	0.000127	0.00148	0.227	0.000019	<0.0005	3.83	0.0423	<0.00001	0.00071	
	0.00006	0.0004	0.0346	0.00001	<0.000005	<0.05	0.000008	24.4	0.0004	0.000204	0.0009	0.292	0.000077	0.0007	6.71	0.119		0.00072	
	0.00005	0.00053	0.0268	<0.00001	<0.000005	<0.05	0.000007	19.7	0.0002	0.000176	0.00116	**0.356**	0.00004	<0.0005	4.77	0.101	<0.00001	0.00078	
	0.00005	0.00074	0.0342	0.00002	<0.000005	<0.05	0.000015	19.5	0.0005	0.000366	**0.00201**	**0.753**	0.000131	0.0005	4.56	0.131	<0.00001	0.0005	
	0.00004	0.00073	0.0316	<0.00001	<0.000005	<0.05	0.000013	23.5	0.0003	0.000367	0.00168	**0.533**	0.00014	<0.0005	5.75	0.236	<0.00001	0.00067	
	0.000048	0.00205	0.0653	0.000083	<0.0000050	<0.050	0.000082	17	**0.00131**	0.00138	**0.0073**	**3.67**	0.000911	0.00063	4.2	0.314	<0.000010	0.000514	
	0.000066	0.00217	0.0917	0.000112	<0.0000050	<0.050	0.000046	24.8	**0.00187**	0.00206	**0.00974**	**4.52**	0.00129	0.00105	5.96	0.332	<0.000010	0.000468	
	0.00004	0.000699	0.0305	0.000012	0.000005	<0.050	0.000011	21.5	0.00041	0.000283	0.00175	**0.757**	0.000139	<0.00050	5.32	0.135	<0.000010	0.000737	
	<0.005	<0.02	0.034	<0.0001		0.002	<0.0002	43.8	**0.0012**	<0.0005	0.001	**0.64**	<0.002	0.3	13.9	0.101	<0.005	<0.001	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00101	0.014	0.44	0.00005	9.1	<0.000005	8.15	0.165	7	<0.000002	<0.00001	<0.0005	0.000066	0.0003	0.0031	0.0003	0.0237	0.00007	0.00048	
	0.00098	0.011	0.36	<0.00004	7.2	<0.000005	7.11	0.144	6	<0.000002	<0.00001	0.0007	0.000054	0.0005	0.0015	0.0003	0.0263	0.00006	0.00047	
	0.00081	0.018	0.82	<0.00004	4.51	<0.000005	4.66	0.0914	<10	<0.000002	<0.00001	0.0011	0.000054	0.0005	0.0008	0.0002	0.0307	0.00003	0.00032	
	0.00106		0.61	<0.00004	6.56	<0.000005	9.44	0.155	<10	<0.000002	<0.00001	0.0007	0.00006	0.0005	0.0012	0.0002	0.016	0.00005	0.00042	
	0.00087		0.61	0.00004	6.34	<0.000005	5.7	0.122	<10	<0.000002	<0.00001	0.001	0.000054	0.0006	0.0009	0.0002	0.0227	0.00004	0.00048	
	0.00118	0.026	0.28	0.00007	8.29	<0.000005	4.96	0.128	<10	<0.000002	0.00003	0.0069	0.000084	0.0016	0.0022	0.0003	0.0333	0.00004	0.00059	
	0.00164	0.016	0.34	0.00006	7.8	0.000008	6.57	0.145	<10	<0.000002	<0.00001	0.0011	0.000075	0.0008	0.0035	0.0003	0.0271	0.00004	0.00062	
	0.0031	0.152	0.818	0.000061	5.62	0.0000111	4.41	0.108	<10	0.0000067	<0.00020	0.0298	0.000343	0.00887	0.00661	0.00056	0.0269	0.000039	0.000647	
	0.00416	0.198	0.35	0.000058	9.72	0.000011	6.72	0.164	<10	0.000011	<0.00020	0.0429	0.000382	0.0119	0.0121	0.0006	0.0304	0.000053	0.000566	
	0.00104	0.0243	0.309	0.000057	8.48	<0.0000050	6.17	0.136	<10	<0.0000020	<0.00020	0.00347	0.000082	0.0013	0.00272	0.00034	0.0294	0.000046	0.000616	
	0.0018	<0.05	0.9	<0.005	5.08	<0.002	14.3	0.426				<0.001	<0.02	<0.0002	**0.108**					

SURFACE WATER - STREAMS

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.031	0.00001	<0.000005	<0.05	0.000017	28	0.0015	0.000235	0.00113	0.273	0.000145	0.0006	6.57	0.128	<0.00001	0.00086	0.00094	0.01		
	0.0293	<0.00001	<0.000005	<0.05	0.000006	25.1	0.0003	0.00026	0.00096	0.239	0.000025	0.0006	6.45	0.151	<0.00001	0.00066	0.00095	0.009		
	0.0198	<0.00001	<0.000005	<0.05	0.000008	14.7	<0.0001	0.000112	0.00149	0.157	0.000025	<0.0005	3.95	0.0332	<0.00001	0.00067	0.00079	0.016		
	0.0334	<0.00001	<0.000005	<0.05	<0.000005	26	0.0002	0.000188	0.00084	0.233	0.00001	0.0006	6.64	0.115		0.0007	0.00087			
	0.0276	<0.00001	<0.000005	<0.05	0.000012	20.6	0.0002	0.000184	0.00095	0.304	0.000048	<0.0005	5.09	0.102		0.00083	0.00087			
	0.0284	<0.00001	<0.000005	<0.05	0.000017	18.7	0.0003	0.000266	0.00128	0.32	0.000044	<0.0005	4.24	0.111	<0.00001	0.00052	0.00094	0.011		
	0.0314	<0.00001	<0.000005	<0.05	0.000016	23.1	0.0003	0.000365	0.00087	0.289	0.000056	<0.0005	5.99	0.233	<0.00001	0.00072	0.001	0.012		
	0.0249	<0.000010	<0.0000050	<0.050	0.00001	14.3	0.00022	0.000278	0.00131	0.484	0.0000106	<0.00050	3.6	0.159	<0.000010	0.000766	0.000809	0.019		
	0.0315	<0.000010	<0.0000050	<0.050	<0.0000050	20.1	0.00033	0.00027	0.00163	0.31	0.000174	<0.00050	4.98	0.118	<0.000010	0.00091	0.00101	0.0097		
	0.0274	<0.000010	<0.0000050	<0.050	<0.0000050	21.3	0.00029	0.000223	0.000979	0.34	0.000056	<0.00050	5.39	0.128	<0.000010	0.000799	0.000875	0.0128		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.45	0.00005	8.6	<0.000005	8.14	0.161	7	<0.000002	0.00002	0.0006	0.000063	0.0003	0.0038	0.0003	<0.02	NC	<0.00002	<0.00002	0.000018	0.000019		
	0.38	0.00004	8.6	<0.000005	7.83	0.15	6	<0.000002	<0.00001	0.0006	0.000054	0.0006	0.001	0.0003	0.1	NC	<0.00002	<0.00002	0.000023	0.000024		
	0.85	<0.00004	4.34	<0.000005	4.73	0.0907	<10	<0.000002	<0.00001	<0.0005	0.000055	0.0005	0.0013	0.0002	<0.02		<0.00002	<0.00002	0.00001	0.000015		
	0.6	<0.00004	7.29	<0.000005	9.35	0.157	10	<0.000002	<0.00001	0.0007	0.000065	0.0005	0.0008	0.0002	<0.02							
	0.63	0.00005	6.28	<0.000005	6	0.126	<10	<0.000002	<0.00001	0.0007	0.000054	0.0006	0.001	0.0002	<0.02							
	0.26	0.00009	7.86	<0.000005	4.73	0.121	<10	<0.000002	0.00001	0.0007	0.00005	0.0008	0.0015	0.0003	<0.02	NC	<0.00002	<0.00002	0.000017	0.00002		
	0.35	0.00005	7.7	<0.000005	6.93	0.152	<10	<0.000002	<0.00001	0.0007	0.000079	0.0007	0.0021	0.0003	<0.02	NC	<0.00002	<0.00002	0.000015	0.00001		
	0.75	0.000045	5.11	<0.0000050	4.2	0.0876	<10	<0.0000020	<0.00020	0.00079	0.0000541	0.00111	0.0004	0.00021	<0.20							
	0.3	0.000054	8.17	<0.0000050	6.44	0.128	<10	<0.0000020	0.00051	0.001	0.000047	0.00103	0.00094	0.00028	<0.20							
	0.319	<0.000040	8.15	<0.0000050	6.22	0.137	<10	<0.0000020	<0.00020	0.00128	0.000069	0.00086	0.00194	0.00031	<0.20							
																					<0.01	

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
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Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W6	Williams Creek d/s of South East Tributary	01-Oct-2005	In situ para.: pH and conductivity only				140			8.06	7.93	240		242					
		07-Jun-2006		0.0369		52		285	4.9	8.31		145		232	2.20	7.07		145	
		13-Jul-2006		0.0074		5		231	2	8.31		459		413		6.99		-36	
		14-Aug-2006		0.0152		15		235	2.5	8.12		466		415	6.90	8.24		118	
		13-Sep-2006		0.0069		<2		277	1.2	7.48		549		461	6.30	8.33			
		18-Oct-2006	Discharge not measured-Ice			<2	313	258	1.4	7.76	8.18	517		486	1.00	9.35		39.0	
		19-Apr-2007	Discharge not measured; ice			<2	446	330	0.3	7.83	8.31	655		622					
		09-May-2007		0.2608		<2	144	65.3	1.7	7.06	7.7	124.8		115	0.50	16.92			
		20-Jun-2007		0.0055		3	316	261.0	1.2	8.30	8.12	521.0		471	2.50				
		24-Jul-2007		0.0411		123	252	185	18	7.8	7.65	371		335	5.4	8.51			
		13-Aug-2007		0.0070		2	292	187	0.3	7.2	8.01	368		380	6.0	9.17	95.3		
		12-Sep-2007		0.0147				116		7.5		231			2.0	8.55	76.5		
		11-Oct-2007		0.0288		3	196	132	0.8	7.5	7.88	263		251	0.0	11.90	82.0		
		06-Mar-2008	No Water	0															
		18-Apr-2008				3	602	134	0.1		8.3	278		836	-0.50		65.6		
		13-May-2008		0.1951		<2	164		1.4	7.53	7.54	140.1		128	0.0		92.2		
		04-Jun-2008		0.0174		<2	226	347	0.6	7.03	7.92	693		246	2.4				
		30-Jul-2008		0.0149		3	6510	533	0.6	8.06	8	1067		331	5.2	10.20	83.5		
		20-Aug-2008		0.0022		48	318		0.9	7.46	8.1	353		398	5	9.04	78.6		
		02-Sep-2008		0.1061		17	180	87.5	0.5	7.44	7.76	175.2		151	4.3	11.64	89.7		
		02-Oct-2008		0.0410		<2	206	121	0.6	7.3	7.95	242		211	0.6	12.10	85.6		
		26-Nov-2008	Frozen	0															
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.1298		51	150	85	8.8	7.95	7.9	172		154	-1.7	10.75	79.2		72.1
		12-Jul-2009		0.005		2	280		0.8	7.91	8.1	277.1		412	7.4	9.67	80.5	207.1	198
		09-Sep-2009		0.098		1	280		0.8	7.96	8.1	250.9		407	3.3	10.80	81.1	113.5	200

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W6	120	100	121	<6	<5	<5		1					26	<0.05	<0.005	0.02		0.47	0.1	0.09					0.048
	120													<0.05				0.67	<0.1	0.14		18.3	15.5	16	**0.808**
	198													<0.05				0.33	0.1	0.1		40.4	10	10.8	**0.14**
	187													<0.05				0.35	0.1	0.05		38.6	11.4	12.1	**0.424**
	221													<0.05				0.3	0.08	0.07		42	7.7	8.2	0.039
	229	184	224	<6		<5	24	1						0.07	<0.005	0.1		0.3	0.08	0.05		44.8	7.8	8	0.068
	290	217	264	<6		<5	50	3.5					128	<0.05	<0.05	<0.1		0.46	0.08	0.06	0.06	49.7	15.1	16.3	0.02
	67	51	63	<6		<5	>60	0.4					8.3	<0.05	<0.05	<0.1		1.05	0.08	0.03		11.6	36.8	38.4	**0.17**
	215	181	221	<6		<5	30	1.6					77	<0.05	<0.05	0.2		0.33	<0.05	0.05		21.4	7.4	7.2	0.08
	163	133	162	<6		<5	50	1					52	<0.05	<0.05	<0.1		1.04	0.18	0.08		30.8	14.9	16	**2.09**
	177	162	197	<6		<5	56	1.3					46	<0.05	<0.05	0.2		0.4	<0.05	0.08		48.9	14.2	13.9	**0.115**
	147													<0.05				0.53	<0.05	0.1		29.6	13.4	13.6	**0.104**
	120	105	128	<6		<5	<50	0.83					28.8	<0.05	<0.02	<0.02		0.58	<0.05	0.08		21.7	18.4	18.4	0.088
		307	375	<6		<5	41	4.52					191	<0.05	<0.02	<0.02		0.38	<0.05	0.06		67.2	10.1	10.9	<0.02
	63	51	62	<6		<5	320	0.39					10	<0.05	<0.02	<0.02		1.1	<0.05	0.04		10.3	36.4	37.3	**0.33**
	122	104	130	<6		<5	80	0.76					30.9	<0.05	0.04	0.02		0.56	<0.05	0.06	<0.05	22.9	17.1	17.9	**0.14**
	178	151	180	<6		<5	80	1					46.8	<0.05	0.03	<0.01		0.51	<0.05	0.08		33.3	15.4	15.1	**0.18**
	191	166	200	<6		<5	49	1.53					57.5	<0.05	<0.01	0.02		0.41	<0.05	0.07		38.6	13.3	12.7	0.036
	84	74	90	<6		<5	120	0.31					9.14	<0.05	<0.01	<0.01		0.74	0.08	0.13		15.8	28.4	29.3	**0.268**
	100	76	90	<6		<5	70	0.54					20.3	<0.05	<0.01	<0.01		0.51	<0.05	0.08	<0.05	21.8	20.1		**0.12**
	74.3	61	75	<0.5	<0.5	<0.5	100	1.8		0.0008		0.0014	11	<0.005	<0.005	<0.02	0.71	0.71	0.024	0.006		11.6	24.9	20.9	**0.266**
	201	150	190	<0.5	<0.5	<0.5		1.9		<0.0005		<0.0005	66	0.011	<0.005	0.03			0.019	0.007			12.9	12	0.0194
	197	160	190	<0.5	<0.5	<0.5		1.8		<0.0005		<0.0005	50	<0.005	<0.005	0.02			0.008	<0.005			11.1	11.4	0.0217

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W6	<0.0002	0.0003	0.031	<0.0001	<0.0005	0.006	<0.00001	31.5	0.0005	<0.0001	0.001	0.3	0.0001	0.001	8.4	0.032		0.002		
	<0.0002	0.0007	0.054	<0.0001	<0.0005	0.011	0.00002	31.6	**0.0014**	0.0005	**0.003**	**1.4**	0.0003	0.002	9.2	0.122		0.003		
	<0.0002	0.0005	0.06	<0.0001	<0.0005	0.014	<0.00001	56.6	0.0008	0.0001	0.001	**0.5**	0.0002	0.002	15.3	0.064		0.006		
	<0.0004	0.0005	0.062	<0.0002	<0.001	0.02	<0.00002	47.6	**0.002**	0.0004	<0.002	**0.7**	<0.0002	0.002	14	0.057		0.004		
	<0.0004	0.0007	0.06	<0.0002	<0.001	0.01	<0.00002	59.3	<0.001	<0.0002	<0.002	**0.4**	<0.0002	0.002	18	0.049		0.005		
	<0.0002	0.0004	0.058	<0.0001	<0.0005	0.015	<0.00001	60.5	<0.0005	<0.0001	0.002	**0.4**	0.0002	0.002	20.2	0.08		0.004		
	<0.0002	0.0004	0.054	<0.0001	<0.0005	0.005	<0.00001	69.8	<0.0005	<0.0001	<0.001	<0.1	<0.0001	0.003	29.8	0.145		0.004		
	<0.0004	<0.0004	0.026	<0.0002	<0.001	0.007	<0.00002	19	<0.001	<0.0002	0.002	0.3	<0.0002	<0.002	5.3	0.023	<0.0001	<0.002		
	<0.0002	0.0004	0.063	<0.0001	<0.0005	0.017	<0.00001	56.4	0.0006	0.0002	0.002	0.2	<0.0001	0.002	17.3	0.069	<0.00002	0.007		
	<0.0002	0.0013	0.08	0.0001	<0.0005	0.021	0.00004	42.4	**0.0038**	0.0009	**0.005**	**2.8**	0.0006	0.003	12.9	0.116	<0.00002	0.005		
	<0.0002	0.0006	0.052	<0.0001	<0.0005	0.012	0.00001	45.8	0.0006	0.0002	0.001	**0.4**	<0.0001	0.002	14.2	0.04	<0.00002	0.004		
	<0.0002	0.0007	0.045	<0.0001	<0.0005	0.009	<0.00001	37.5	0.0008	0.0002	0.001	**0.4**	<0.0001	0.001	11.7	0.032	<0.00002	0.002		
	<0.0002	0.0004	0.03	<0.0001	<0.0005	0.005	<0.00001	31.6	**0.0014**	0.0001	0.002	0.3	0.0001	0.001	9.2	0.028	<0.00001	0.002		
	<0.0002	0.0011	0.066	<0.00004		0.005	<0.00007	96	0.001	0.00003	<0.001	<0.02	0.0003	0.004	37.7	0.0028	<0.00001	0.00641		
	<0.0002	<0.0002	0.033	0.00005		<0.005	<0.00007	17.5	**0.0013**	0.0004	**0.003**	**0.99**	0.0002	<0.001	4.53	0.0937	0.00001	0.00062		
	<0.0002	0.0005	0.037	<0.00004		0.008	<0.00007	33.3	**0.0011**	0.0002	0.002	**0.47**	<0.0001	0.001	9.78	0.0401	<0.00001	0.00256		
	<0.0002	0.0007	0.05	<0.00004		0.01	<0.00008	49.2	0.0007	0.0002	0.002	**0.59**	0.0002	0.002	14.4	0.037	<0.00001	0.00334		
	<0.0002	0.0005	0.048	<0.00004		0.01	<0.00001	52.4	**0.0011**	0.00011	<0.001	**0.33**	0.0001	0.002	15.4	0.0321	0.00001	0.00358		
	<0.0002	0.0006	0.03	<0.00004		<0.005	<0.00001	23.4	**0.0011**	0.00026	**0.003**	**0.86**	0.0002	<0.001	5.98	0.0237	0.00001	0.00084		
	<0.0002	0.0004	0.03	<0.0001	<0.0005	0.006	0.00001	26.6	0.0006	<0.0001	0.002	0.3	<0.0001	0.001	7.4	0.028	<0.00001	0.001		
	0.00005	0.00092	0.0355	0.00003	<0.000005	<0.05	0.000015	19.6	0.0005	0.000442	**0.00288**	**1.01**	0.000277	0.0007	5.65	0.143	<0.00001	0.00098		
	0.00006	0.00054	0.0501	<0.00001	<0.000005	<0.05	<0.000005	55.9	<0.0001	0.00009	0.00095	0.284	0.000023	0.0013	14.2	0.0333	0.00001	0.00474		
	0.00006	0.00053	0.047	<0.00001	<0.000005	<0.05	0.000089	55.5	**0.0017**	0.000115	0.00107	**0.305**	0.000387	0.0018	14.9	0.0481	<0.00001	0.0043		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W6	0.0009		0.4	<0.0002	8.05	<0.0001	8.4	0.285	7.8	<0.00005	<0.001	<0.0005	<0.0005	0.0009	0.002	<0.001	0.02	<0.0002	0.0005	
	0.0013		0.9	0.0003	7.11	<0.0001	9.5	0.286	9.9	<0.00005	<0.001	0.0335	<0.0005	0.0038	0.003	<0.001	0.03	<0.0002	0.0004	
	0.0011		1	<0.0002	7.08	<0.0001	16.7	0.574	24.6	<0.00005	<0.001	0.0073	0.001	0.0015	0.004	<0.001	0.013	<0.0002	0.0004	
	0.001		1	<0.0004	7.56	<0.0002	16	0.455	19	<0.0001	<0.002	0.02	<0.001	0.0023	0.002	<0.002	0.016	<0.0002	0.0005	
	<0.001		1.2	<0.0004	6.17	<0.0002	19	0.596	25.3	<0.0001	<0.002	0.0027	0.001	0.0009	0.004	<0.002	0.013	<0.0002	0.0004	
	0.0007		1.1	<0.0002	7.57	<0.0001	17.7	0.692	27	<0.00005	<0.001	0.0046	0.0011	0.0009	0.002	<0.001	<0.005	<0.0002	<0.0002	
	0.0012		3.1	<0.0002	7.77	<0.0001	27.3	0.765	41	<0.00005	<0.001	0.0024	0.0012	0.0002	0.005	<0.001	<0.005	<0.0002	0.0004	
	0.002	<0.02	1	<0.0004	3.82	<0.0002	3.9	0.15	2.9	<0.0001	<0.002	0.0065	<0.001	0.001	0.008	<0.002	0.044	<0.0002	0.0003	
	0.0008	<0.02	1.2	<0.0002	4.98	<0.0001	19.7	0.607	25.8	<0.00005	<0.001	0.0043	0.0021	0.0017	0.005	<0.001	0.039	<0.0002	0.0005	
	0.0022	<0.02	1	<0.0002	7.99	<0.0001	15.7	0.467	16.9	<0.00005	<0.001	0.0931	0.0007	0.0076	0.023	0.001	0.023	<0.0002	0.0006	
	0.0011	<0.02	0.8	<0.0002	7.85	<0.0001	15.1	0.524	15.8	<0.00005	<0.001	0.006	0.0007	0.0015	0.002	<0.001	0.047	<0.0002	0.0007	
	<0.0005	<0.02	0.8	<0.0002	7.91	<0.0001	12.8	0.398	11.7	<0.00005	<0.001	0.0062	0.0006	0.001	0.003	<0.001	0.024	0.0008	0.0006	
	0.0017	<0.02	0.5	<0.0002	6.6	<0.0001	10.2	0.303	8.3	<0.00005	<0.001	0.0042	<0.0005	0.001	0.004	<0.001	0.033	0.0007	0.0005	
	<0.001	0.01	3.6	<0.0006	5.2	<0.001	40.6	1.05		<0.00001	<0.004	0.0009	0.0018	0.00015	0.003	<0.0001	<0.01	0.0012	0.0007	
	0.009	0.07	0.95	<0.0006	1.92	<0.0001	3.8	0.154		<0.00001	<0.0001	0.0088	<0.0005	0.00227	0.003	0.0003	<0.01	0.0007	<0.0002	
	0.001	0.03	0.8	<0.0006	3.22	<0.00005	10.2	0.328		<0.00001	<0.0001	0.0071	0.0004	0.0015	0.012	0.0005	<0.01	0.0008	0.0012	
	0.002	0.04	0.74	<0.0006	7.82	<0.00001	15	0.526		<0.00001	<0.0001	0.0098	0.0006	0.00139	0.004	0.0003	0.02	0.0004	0.0005	
	0.001	0.03	0.84	<0.0006	7.74	<0.00001	16.2	0.566		<0.00001	<0.0001	0.0034	0.0008	0.00098	0.004	0.0003	0.013	0.0007	0.0004	
	<0.001	0.03	0.45	<0.0006	8.65	<0.00001	6.3	0.19		<0.00001	<0.0001	0.0145	<0.0004	0.00224	0.009	0.0004	0.033	0.0006	0.0007	
	0.0013		0.4	<0.0002	7.48	0.00007	8.1	0.255	6.7	<0.00005	<0.001	0.0069	<0.0005	0.0012	0.005	<0.001	0.032	<0.0002	0.0005	
	0.00143	0.081	0.71	0.00006	4.2	<0.000005	4.54	0.172	5	0.000002	<0.00001	0.0086	0.000275	0.0024	0.0028	0.0004	0.0335	0.00004	0.00058	
	0.0007	0.019	0.78	0.0001	7.88	<0.000005	12.7	0.508	24	<0.000002	<0.00001	0.0012	0.000688	0.0007	0.0006	0.0002	0.0149	0.00006	0.0005	
	0.00086	0.057	0.97	0.0001	8.3	<0.000005	14.6	0.525	23	<0.000002	<0.00001	<0.0005	0.000683	0.0003	0.0124	0.0002	0.0199	0.00007	0.00051	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.032	<0.0001	<0.0005	0.006	<0.00001	31	<0.0005	<0.0001	<0.001	0.23	<0.0001	0.001	9.6	0.02		0.002	0.0008			
	0.037	<0.0001	<0.0005	0.01	<0.00001	31.2	<0.0005	0.0001	0.002	0.26	<0.0001	0.001	9.3	0.093		0.003	<0.0005			
	0.057	<0.0001	0.0007	0.013	<0.00001	52.3	<0.0005	<0.0001	0.001	0.2	<0.0001	0.002	16.4	0.056		0.005	<0.0005			
	0.054	<0.0001	<0.0005	0.012	<0.00001	50.1	0.0005	<0.0001	<0.001	0.19	<0.0001	0.002	15.1	0.052		0.004	<0.0005			
	0.053	<0.0001	<0.0005	0.014	<0.00001	58.3	0.0007	<0.0001	<0.001	0.25	<0.0001	0.002	18.4	0.043		0.005	<0.0005			
	0.053	<0.0001	<0.0005	0.011	<0.00001	60.6	<0.0005	<0.0001	<0.001	0.19	<0.0001	0.001	18.8	0.072		0.003	0.0008			
	0.056	<0.0001	<0.0005	0.005	0.00001	69.4	0.0005	0.0001	0.001	0.03	0.0001	0.003	28.4	0.146		0.004	<0.0005			
	0.025	<0.0001	<0.0005	0.004	0.00001	18.9	0.0009	0.0002	0.002	0.17	0.0002	<0.001	4.9	0.013	<0.0001	<0.001	0.0011			
	0.061	<0.0001	<0.0005	0.016	<0.00001	55.7	0.0006	<0.0001	0.001	0.18	<0.0001	0.002	18.5	0.065	<0.00002	0.006	<0.0005			
	0.047	<0.0001	<0.0005	0.014	<0.00001	44.1	<0.0005	0.0001	0.001	0.22	<0.0001	0.001	12.9	0.062	<0.00002	0.004	<0.0005			
	0.05	<0.0001	<0.0005	0.013	<0.00001	46.7	<0.0005	<0.0001	0.001	0.25	0.0001	0.002	14.6	0.033	<0.00002	0.004	<0.0005			
	0.042	<0.0001	<0.0005	0.01	<0.00001	38.7	<0.0005	<0.0001	0.001	0.23	<0.0001	0.002	12.3	0.03	<0.00002	0.002	<0.0005			
	0.033	<0.0001	<0.0005	0.005	0.00001	32.6	0.0006	<0.0001	0.002	0.19	0.0002	0.001	9.6	0.024	<0.00001	0.002	0.0011			
	0.071	<0.00004		<0.004	<0.00008		0.0028	0.00016	<0.001	<0.01	0.0001	0.004		0.0025	<0.00001	0.0067	<0.001	<0.01		
	0.023	0.00004		<0.004	<0.00008		0.0007	0.00019	<0.001	0.24	0.0001	<0.001		0.0609	<0.00001	0.00062	0.003	0.02		
	0.034	<0.00004		0.008	<0.00008		0.0015	0.0002	0.001	0.17	<0.0001	0.001		0.0311	<0.00001	0.00252	<0.001	0.01		
	0.046	<0.00004		0.008	<0.00008		0.0004	0.00009	0.001	0.26	<0.0001	0.001		0.0242	<0.00001	0.0034	0.001	0.01		
	0.047	<0.00004		0.008	<0.00001		0.0006	0.0002	0.001	0.27	0.0001	0.002		0.0286	<0.00001	0.00353	0.001	0.01		
	0.026	<0.00004		<0.004	<0.00001		0.0013	0.0001	0.002	0.23	<0.0001	<0.001		0.0142	<0.00001	0.0008	<0.001	<0.01		
	0.03	<0.0001	<0.0005	0.005	<0.00001	27.8	<0.0005	<0.0001	0.002	0.2	<0.0001	<0.001	7.6	0.023	<0.00001	0.001	0.0009			
W6																				
	0.0265	0.00001	<0.000005	<0.05	<0.000005	20.3	<0.0001	0.000158	0.00149	0.307	0.000029	0.0006	5.71	0.0939	<0.00001	0.00125	0.00076	0.022		
	0.0518	<0.00001	0.000013	<0.05	0.000007	56	<0.0001	0.000098	0.00102	0.244	0.000019	0.0015	14.8	0.0316	<0.00001	0.00485	0.00078	0.015		
	0.0444	<0.00001	<0.000005	<0.05	0.000052	54.9	0.0004	0.000105	0.00102	0.264	0.000283	0.0016	14.6	0.0414	<0.00001	0.00416	0.00076	0.033		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
W6	0.4	<0.0002	9.3	<0.0001	8.5	0.296	8.5	<0.00005	<0.001	0.0012	<0.0005	0.001	<0.001		<0.02	107						
	0.8	<0.0002	6.07	<0.0001	9.9	0.288	10.2	<0.00005	<0.001	0.0014	<0.0005	0.0017	0.004		0.04							
	1	<0.0002	7.58	<0.0001	15.8	0.561	24	<0.00005	<0.001	0.0018	0.001	0.001	0.001		0.08							
	0.7	<0.0002	7.23	<0.0001	16.6	0.517	20.4	<0.00005	<0.001	<0.0005	0.0009	0.0012	0.002		0.03							
	1.1	<0.0002	6.78	<0.0001	19.2	0.597	24.2	<0.00005	<0.001	0.0017	0.0009	0.0016	0.002		0.11							
	1.1	<0.0002	7.1	<0.0001	18.7	0.596	27.4	<0.00005	<0.001	0.0027	0.0005	0.0006	<0.001		0.1							
	3.3	<0.0002	7.96	<0.0001	30	0.733	42.2	<0.00005	<0.001	<0.0005	0.0012	0.0012	0.002		<0.02							
	1.2	<0.0002	3.59	<0.0001	4.3	0.148	3	<0.00005	<0.001	0.0013	<0.0005	0.0009	0.006		0.03							
	1.4	<0.0002	6.08	<0.0001	20.9	0.613	26.6	<0.00005	<0.001	0.0034	0.0019	0.0018	0.004		0.1							
	0.7	<0.0002	7.09	<0.0001	16.8	0.456	18.3	<0.00005	<0.001	0.0022	0.0006	0.0015	0.008		0.03							
	0.7	<0.0002	7.75	<0.0001	15.2	0.521	15.9	<0.00005	<0.001	0.002	0.0007	0.0011	0.003		0.05							
	0.7	<0.0002	8.08	<0.0001	13.4	0.421	12.5	<0.00005	<0.001	0.0018	0.0005	0.0009	0.002		0.03							
	0.4	<0.0002	8.73	<0.0001	10.3	0.312	8.6	<0.00005	<0.001	0.0016	<0.0005	0.0009	0.003		0.03							
		0.0007		<0.0001		1.26		<0.00001	<0.0001	0.0008	0.0018	0.0008	<0.001	<0.0001	0.02		<0.0001	0.0001	<0.0001	<0.0001		
	0.97	<0.0006	1.73	<0.00001	4.15	0.157		<0.00001	<0.0001	0.0011	<0.0006	0.0008	0.002	0.0003	<0.01	120	<0.0001	<0.0001	<0.0001	<0.0001		
	0.79	<0.0006	3.16	<0.00001	10.3	0.319		<0.00001	<0.0001	0.001	0.0004	0.00136	0.002	0.0007	0.02		0.0005	0.0003	<0.0001	<0.0001		
	0.72	<0.0006	7.35	<0.00001	14.2	0.513		<0.00001	<0.0001	0.0015	0.0006	0.00091	0.002	0.0003	0.02		<0.0001	<0.0001	<0.0001	<0.0001		
	0.83	<0.0006	7.7	<0.00001	15.5	0.552		<0.00001	<0.0001	0.0012	0.0007	0.00076	0.003	0.0002	0.02		<0.0001	<0.0001	<0.0001	<0.0001		
	0.4	<0.0006	8.37	<0.00001	6.6	0.183		<0.00001	<0.0001	0.0015	<0.0004	0.00143	0.001	0.0004	<0.01		<0.0001	<0.0001	<0.0001	0.0001		
	0.5	<0.0002	8.3	<0.00001	8.2	0.256	6.8	<0.00005	<0.001	0.0016	<0.0005	0.001	0.004		<0.01							
	0.75	0.00008	4.2	<0.000005	4.74	0.177	6	<0.000002	<0.00001	0.0013	0.000195	0.0008	0.0012	0.0003	<0.02	NC	<0.00002	<0.00002	0.000015	0.000049		
	0.79	0.00009	7.13	<0.000005	13.5	0.534	22	<0.000002	<0.00001	<0.0005	0.000711	0.0008	0.0012	0.0002	0.03	100	<0.00002	<0.00002	0.000018	0.000029		
	0.93	0.00011	8	<0.000005	14.4	0.507	23	<0.000002	0.00001	0.0008	0.000685	0.0004	0.0079	0.0002	0.02	110	<0.00002	<0.00002	0.000018	0.000019		

Station	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
W6																				21.6
																				20.8

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			2	270		0.6	7.76	8	248.1		452	-0.1	9.22	63.4	63.2	200
		12-May-2010	Considerable ice within visible stream reach.	0.069		1	130		0.6	7.83	7.8	75.7		174	0	10.93	82.1	97.9	83.6
		10-Jun-2010		0.008		<1	290		0.6	7.92	8.1	274.2		450	4	11.03	64.3	372.7	194
		17-Aug-2010		0.012		17	220		0.9	7.93	8.3	200.6		303	7.7	8.72	80.3	54.5	142
		20-Oct-2010		0.014		1	240		1.4	7.72	8.06	100.3		305	-0.1	6.18	40.7	335.2	140
		31-May-2011		0.055		4	140		1.3	8	7.79	130.8		212	5	12.24	96.8		92.1
		28-Jun-2011		0.047		28	160		10	7.89	7.89	138		204	7.7	10.27	95.4	143	94.6
		07-Sep-2011	Moderate flows.	0.045		7	180		2.3	7.72	8.04		218.9	227	4.1	12.53	97.3	74.6	102
		28-Oct-2011				<1	230		0.9	7.71	8.05		740.99	366	0.2				157
		25-May-2012	Very irregular creek bottom (difficult for flow measurement); Ion Balance Non-Calculable	0.058		21.4	132			7.77	7.87		162.9	166	3.7	13.5	102	274.9	78.7
		10-Aug-2012	Mod-high flow, turbid. Ion Balance Non-Calculable.	0.124		222	192			7.78	8.05		247.5	234	7.3	12.5	104	-27.1	124
		03-Oct-2012		0.0489		34.3	210			7.53	8.16		288.3	257	0.10	14.17	97.9	47.9	119
		Oct-89	No in situ parameters measured			<5					7.7			325					
		Aug-91	No in situ parameters measured			<5			1		7.6			192					
		Dec-91	No in situ parameters measured			23			6		7.3			435					
		May-92	No in situ parameters measured			<5			2		7.4			81					
		Jul-92	No in situ parameters measured			<5			45		7.6			166					
		Oct-92	No in situ parameters measured			<5			<1		7.5			345					
		May-94	No in situ parameters measured			<5	145		1		7.7			145					
		May-94	Duplicate sample			<5	147		1		7.7			143					
		11-Aug-2005	In situ param: conductivity measured				120				7.64	190		206					
		01-Oct-2005	In situ para.: pH and conductivity only				96			7.6	7.71	180		177					

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	209	170	210	<0.5	<0.5	<0.5		1.6		<0.0005		<0.0005	67	0.011	<0.005	0.06			0.009	<0.005			13.7	13.7	0.0129
	84.7	69	84	<0.5	<0.5	<0.5	100	1		0.0007		0.0006	18	<0.01	<0.005	<0.02	0.77	0.77	0.008	<0.005		13.8	21.9	22.1	0.0416
	196	150	190	<0.5	<0.5	<0.5	20	1.8		0.0009		0.0006	76	0.05	<0.005	0.09	0.27	0.18	0.008	0.005		33.7	7.2	8	0.0152
	144	130	160	<0.5	<0.5	<0.5	60	1.3				<0.0005	36	0.17	<0.005	0.04	0.37	0.33	0.023	0.015		<0.5	19.3	18.6	0.0547
	143	120	150	<0.5	<0.5	<0.5	30	0.8		<0.0005		<0.0005	33	0.078	<0.005	<0.02	0.45	0.45	0.018	0.009		27.2	15.6	14.8	0.0241
	98	86	100	<0.5	<0.5	<0.5	75	1.1		<0.0005		<0.0005	25	0.009	<0.005	<0.02	0.52	0.52	0.018	<0.005		20.3	18.4	19.3	0.0308
	95.9	89	110	<0.5	<0.5	<0.5	60	1.2		0.0019		0.0017	16	0.061	<0.005	<0.02	0.56	0.56	0.032	0.011		20.4	21.9	21.9	**0.114**
	101	97	120	<0.5	<0.5	<0.5	50	1.3		<0.005		<0.005	16	0.051	<0.005	<0.02	0.22	0.22	0.019	0.009		22.8	20.3	21	0.059
	163	130	160	<0.5	<0.5	<0.5	30	1.5		<0.0005		<0.0005	39.1	0.047	<0.005	0.04	0.19	0.15	0.02	0.013		34.4	11.5	12.8	0.0217
	79.3	70.9	86.5	<0.50	<0.50	<0.50		1.2	0.18				10.8	0.022	<0.050	<0.20							14.7	18.5	**0.125**
	113	108	132	<0.50	<0.50	<0.50		1.6	0.24				13.2	0.02	<0.050	<0.20							19.1	26.4	**1.15**
	120	114	139	<0.50	<0.50	<0.50		0.87	0.2				20.5	0.032	<0.050	<0.20							17.4	17.2	**0.175**
	123.6	120						2.6	<1				15.1	0.05	<0.003	<0.1									<0.02
	119	111											10.9	<0.05	<0.003	<0.1									<0.005
	222	230											0.83	0.05	<0.5	<0.05			0.3						<0.005
	41	41											1.1	<0.05	<0.03	<0.05			0.016						0.084
	1224	110											11	<0.05	<1	<0.1			0.015						**0.192**
	183	1451											29.6	0.06	<2.0	<0.2			<0.005						0.035
	62.2	73	73	<5	<5			<0.3	<1				4.6	<0.05	<0.5	<0.05			<0.005						<0.01
	62.6	74	74	<5	<5			<0.3	<1				4.6	<0.05	<0.5	<0.05			<0.005						<0.01
	100	100	121	<6	<5	<5		0.9					12	0.1	<0.005	<0.01		0.58	0.1	0.07					0.035
	92	85	104	<6	<5	<5		<0.4					6.7	0.05	<0.005	<0.01		0.65	0.1	0.09					0.096

Station	Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
		0.00004	0.0004	0.0462	<0.00001	<0.000005	<0.05	0.000012	53.8	0.0002	0.000075	0.00066	0.246	0.000071	0.0016	15.9	0.0647	<0.00001	0.00414	
		0.00004	0.00045	0.0271	0.00001	<0.000005	<0.05	0.000016	23	<0.0001	0.000109	0.0016	0.263	0.000087	0.0008	6.35	0.0331	<0.00001	0.0014	
		0.00005	0.00037	0.0506	<0.00001	<0.000005	<0.05	0.000012	51.2	0.0002	0.000078	0.0006	0.182	0.000435	0.0017	16	0.0334		0.00589	
		0.00006	0.00071	0.0423	0.00001	<0.000005	<0.05	0.000037	37.9	0.0006	0.000143	0.00157	**0.441**	0.00018	0.0014	11.6	0.0477	<0.00001	0.00253	
		0.00004	0.00048	0.0371	<0.00001	<0.000005	<0.05	<0.000005	37.7	0.0002	0.000087	0.00087	**0.325**	0.000008	0.0011	11.1	0.0437	<0.00001	0.00234	
		0.00004	0.00051	0.0303	<0.00001	<0.000005	<0.05	0.000013	25.5	0.0002	0.000075	0.00135	0.245	0.000035	0.0008	6.91	0.0187	<0.00001	0.00182	
		0.00005	0.00062	0.0339	0.00001	<0.000005	<0.05	0.000011	26.3	0.0004	0.000171	0.002	**0.409**	0.000084	0.0009	7.01	0.0344	<0.00001	0.00128	
		0.00004	0.00063	0.0337	0.00001	<0.000005	<0.05	0.000021	28.6	0.0003	0.000144	0.00135	**0.343**	0.000085	0.0008	7.38	0.0395	<0.00001	0.00106	
		0.00003	0.00048	0.0432	<0.00001	<0.000005	<0.05	0.000011	42.1	0.0002	0.000133	**0.00555**	**0.313**	0.000083	0.0012	12.6	0.0819	<0.00001	0.0022	
		0.000039	0.000625	0.032	0.000012	<0.0000050	<0.050	0.0000164	21.7	0.00028	0.000223	0.00176	**0.637**	0.000114	0.00066	5.95	0.059	<0.000010	0.00139	
		0.000065	0.00168	0.0883	0.000087	<0.0000050	<0.050	0.000044	34.5	**0.00163**	0.00144	**0.00802**	**3.21**	0.00112	0.00134	9.21	0.196	<0.000010	0.000774	
		0.00004	0.000658	0.0399	0.000014	0.000006	<0.050	<0.0000050	32.6	0.00042	0.000229	0.00153	**0.655**	0.000179	0.00085	9.11	0.0592	<0.000010	0.00131	
		<0.005	<0.02	0.037	<0.0001		0.007	<0.0002	38.2	**0.0081**	<0.0005	**0.009**	0.195	0.003	0.36	8.84	0.026	<0.005	<0.001	
		<0.05	<0.05	0.036	<0.0005	<0.01		<0.0003	36.2	**0.007**	<0.001	<0.001	0.267	<0.004	<0.06	6.83	0.03		<0.005	
		<0.05	**0.16**	0.091	<0.0005	<0.01		<0.0003	68.3	**0.007**	0.007	<0.001	**11.6**	<0.004	<0.05	12.6	**3.62**		0.008	
		<0.02	<0.04	0.012	<0.0002	<0.02		<0.0003	11.5	<0.001	<0.001	**0.01**	0.072	<0.004	<0.05	2.83	0.004		<0.003	
		<0.02	<0.04	0.039	<0.0002	<0.02		<0.0003	37	<0.001	<0.001	**0.004**	0.266	<0.004	<0.05	7.2	0.007		<0.003	
		<0.02	<0.05	0.062	<0.0002	<0.02		<0.0004	54.4	<0.001	<0.001	**0.005**	0.219	<0.005	<0.05	11.3	0.073		<0.004	
		<0.02	<0.02	0.024	<0.0002	<0.02		<0.0005	19.2	<0.001	<0.001	**0.014**	0.172	<0.01	<0.002	3.54	0.069		<0.005	
		<0.02	<0.02	0.024	<0.0002	<0.02		<0.0005	19.4	<0.001	<0.001	**0.014**	0.175	<0.01	<0.002	3.57	0.069		<0.005	
		<0.0002	0.0004	0.03	<0.0001	<0.0005	0.004	<0.00001	31.4	<0.0005	<0.0001	0.002	0.2	<0.0001	<0.001	5.9	0.014		<0.001	
		<0.0002	0.0005	0.024	<0.0001	<0.0005	0.003	<0.00001	28.1	0.0007	<0.0001	0.002	0.1	<0.0001	<0.001	5.3	0.006		<0.001	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00149	0.017	0.84	0.0001	7	<0.000005	14.7	0.569	23	<0.000002	<0.00001	0.0009	0.000779	0.0003	0.001	0.0002	0.0114	0.00005	0.00039	
	0.00081	0.019	0.69	0.00008	4.85	<0.000005	5.81	0.214	<10	<0.000002	<0.00001	0.0015	0.000193	0.0006	0.0016	0.0003	0.0273	0.00003	0.00042	
	0.00076		1.18	0.00011	6.05	<0.000005	16.1	0.555	26	<0.000002	<0.00001	0.0005	0.00111	0.0007	0.0014	0.0001	0.0073	0.00005	0.00037	
	0.00118	0.04	0.64	0.00009	8.51	0.000007	11	0.387	13	<0.000002	<0.00001	0.0021	0.000378	0.0012	0.004	0.0003	0.0264	0.00005	0.0006	
	0.00063	0.022	0.61	0.0001	8.82	<0.000005	9.98	0.369	13	<0.000002	<0.00001	0.0008	0.000431	0.0005	0.0003	0.0003	0.0217	0.00004	0.00047	
	0.00081		0.56	0.00009	6.69	<0.000005	6.15	0.237	<10	<0.000002	<0.00001	0.0015	0.000198	0.0007	0.0006	0.0002	0.0204	0.00005	0.00044	
	0.00107		0.3	0.00008	8.71	<0.000005	6.26	0.238	<10	<0.000002	<0.00001	0.0039	0.000171	0.0014	0.0011	0.0004	0.0266	0.00005	0.00053	
	0.00096	0.022	0.43	0.00008	8.75	<0.000005	6.54	0.23	<10	<0.000002	0.00002	0.0024	0.000236	0.0009	0.0013	0.0003	0.0288	0.00006	0.00059	
	0.00065	0.02	0.74	0.0001	7.5	<0.000005	12	0.423	15	<0.000002	<0.00001	0.0007	0.000637	0.0006	0.002	0.0002	0.0171	0.00004	0.00044	
	0.001	0.0366	0.657	0.000072	5.62	<0.0000050	5.31	0.182	<10	<0.0000020	<0.00020	0.00464	0.000207	0.00147	0.00196	0.00027	0.0218	0.000036	0.000462	
	0.00348	0.164	0.47	0.000053	9.82	0.000011	8.63	0.307	<10	0.000009	0.00035	0.0335	0.000529	0.0097	0.00969	0.00059	0.0251	0.000047	0.00058	
	0.001	0.0383	0.476	0.000098	8.75	<0.0000050	8.22	0.275	<10	0.000002	<0.00020	0.00667	0.000373	0.00144	0.00292	0.00034	0.0197	0.000037	0.000488	
	0.002	<0.05	0.3	<0.005	4.69	<0.002	7.21	0.161				<0.001	<0.02	<0.0002	0.0185					
	0.002	<0.02	0.25	<0.01	13.9	<0.001	5.56	0.14				<0.001	<0.02	0.0008	0.01	0.001	<0.005	<0.05	<0.05	
	0.009	0.34	0.5	<0.01	5.8	<0.001	6.45	0.23				0.005	<0.02	<0.0005	0.003	<0.001	<0.005	<0.05	0.12	
	<0.001	0.03	1.51	<0.02	4.14	<0.001	1.74	0.053				0.002	<0.02	<0.001	0.005	<0.001	0.059	<0.02	<0.04	
	0.007	0.03	0.35	<0.02	13.9	<0.001	6.09	0.18				0.008	<0.02	<0.001	0.007	0.002	0.017	<0.02	<0.04	
	0.002	0.03	0.44	<0.02	14.8	<0.001	9.93	0.26				<0.001	<0.02	0.006	0.014	<0.001	0.035	<0.02	<0.05	
	0.003	<0.05	1	<0.02	5.42	<0.001	3.48	0.086	1.31		<0.1	0.002	<0.06	<0.002	<0.005	<0.001	<0.01	<0.02	<0.02	
	0.001	<0.05	1.2	<0.02	5.46	<0.001	3.6	0.088	1.38		<0.1	0.002	<0.06	0.002	<0.005	<0.001	<0.01	<0.02	<0.02	
	0.0011		<0.4	<0.0002	8.72	<0.0001	6.1	0.136	3.2	<0.00005	<0.001	0.0014	<0.0005	0.0007	<0.001	<0.001	0.016	<0.0002	0.0005	
	0.0012		<0.4	<0.0002	9.76	<0.0001	5.5	0.111	2	<0.00005	<0.001	<0.0005	<0.0005	0.0008	0.002	<0.001	0.028	<0.0002	0.0004	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0474	<0.00001	<0.000005	<0.05	0.000009	56.2	0.0001	0.00008	0.00053	0.231	0.000026	0.0017	16.7	0.0645	<0.00001	0.00422	0.00055	0.016		
	0.0266	<0.00001	<0.000005	<0.05	0.000006	23.1	<0.0001	0.000097	0.00149	0.228	0.000093	0.0007	6.56	0.0318	<0.00001	0.00129	0.00079	0.015		
	0.0514	<0.00001	<0.000005	<0.05	<0.000005	50.7	0.0001	0.000061	0.00048	0.131	<0.000005	0.0016	16.8	0.0316		0.00594	0.00046			
	0.0421	<0.00001	<0.000005	<0.05	0.000018	38.8	0.0009	0.000111	0.00131	0.342	0.000137	0.0013	11.6	0.0405	<0.00001	0.00264	0.00124	0.024		
	0.0366	<0.00001	<0.000005	<0.05	0.000008	38.5	0.0003	0.000103	0.00086	0.297	0.000012	0.001	11.5	0.0466	<0.00001	0.00249	0.00066	0.023		
	0.0314	<0.00001	<0.000005	<0.05	0.000015	26.7	0.0002	0.000071	0.00118	0.181	0.000034	0.0008	7.61	0.0151		0.00185	0.0008			
	0.0314	<0.00001	<0.000005	<0.05	0.000007	26.4	0.0002	0.000085	0.00163	0.193	0.000019	0.0009	7.28	0.0257		0.00151	0.00095			
	0.0356	<0.00001	<0.000005	<0.05	0.000029	27.8	0.0004	0.000117	0.00131	0.241	0.000064	0.0009	7.76	0.0392	<0.00001	0.00126	0.00102	0.017		
	0.0447	<0.00001	<0.000005	<0.05	0.000014	43.3	0.0003	0.000127	0.00092	0.262	0.00017	0.0014	13.4	0.0812	<0.00001	0.00227	0.00071	0.02		
	0.028	<0.000010	<0.0000050	<0.050	0.0000196	21.9	0.00017	0.0000982	0.00136	0.23	0.0000432	0.00063	6	0.0395	<0.000010	0.00138	0.00117	0.015		
	0.0393	<0.000010	<0.0000050	<0.050	<0.0000050	31.4	0.00026	0.00022	0.00149	0.361	0.000038	0.0009	8.47	0.0905	<0.000010	0.00147	0.000889	0.0144		
	0.0346	<0.000010	<0.0000050	<0.050	<0.0000050	33.2	0.00022	0.000094	0.00111	0.251	0.000132	0.00079	9.08	0.0464	<0.000010	0.00146	0.000751	0.0178		
	0.036	<0.0005	<0.01		<0.0003	34.5	<0.001	<0.001	<0.001	0.199	<0.004	<0.05	6.63	0.024		<0.005	0.004	<0.02		
	0.09	0.003	<0.01		<0.0003	60.3	<0.001	0.007	<0.001	9.1	<0.004	<0.05	9	2.59		<0.005	0.005	0.2		
	0.01	<0.0002	<0.02		<0.0003	11.1	<0.001	<0.001	0.009	0.07	<0.004	<0.05	2.73	0.002		<0.003	<0.001	0.02		
	0.039	<0.0002	<0.02		<0.0003	37	<0.001	<0.001	<0.001	0.0545	<0.004	<0.05	7.24	0.004		<0.003	0.002	<0.02		
	0.061	<0.0002	<0.02		<0.0004	44.6	<0.001	<0.001	0.002	0.161	<0.005	<0.05	11.1	0.066		<0.004	0.001	<0.02		
	0.027	<0.0002	<0.02		<0.0005	18.8	<0.001	<0.001	0.01	0.166	<0.01	<0.002	3.41	0.012		<0.005	0.004	<0.05		
	0.025	<0.0002	<0.02		<0.0005	18.9	<0.001	<0.001	0.021	0.175	<0.01	<0.002	3.44	0.011		<0.005	0.005	<0.05		
	0.03	<0.0001	<0.0005	0.003	<0.00001	29.6	<0.0005	<0.0001	0.001	0.15	<0.0001	<0.001	6.6	<0.005		<0.001	<0.0005			
	0.024	<0.0001	<0.0005	0.002	<0.00001	27.5	<0.0005	<0.0001	0.001	0.08	<0.0001	<0.001	5.7	<0.005		<0.001	0.0011			

Station	...olved	...sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv...	T...
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.91	0.00011	8.2	<0.000005	15.7	0.577	23	<0.000002	<0.00001	<0.0005	0.000794	0.0004	0.0007	0.0002	0.06	100	<0.00002	<0.00002	0.000021	0.000019		
	0.71	0.00007	4.74	<0.000005	5.84	0.21	<10	<0.000002	<0.00001	<0.0005	0.000189	0.0005	0.0009	0.0002	<0.02		<0.00002	<0.00002	0.00001	0.000014		
	1.21	0.00011	6.17	<0.000005	16.4	0.582	27	<0.000002	<0.00001	<0.0005	0.0012	0.0007	0.0003	0.0001	0.09							
	0.61	0.00009	8.58	<0.000005	10.9	0.395	11	<0.000002	<0.00001	0.001	0.000404	0.0008	0.0038	0.0003	0.04		<0.00002	<0.00002	0.000016	0.000021		
	0.62	0.00009	9.03	<0.000005	10.4	0.366	14	<0.000002	<0.00001	<0.0005	0.000472	0.0004	0.0018	0.0003	<0.02		<0.00002	<0.00002	0.000014	0.000015		
	0.62	0.00009	6.56	<0.000005	6.75	0.247	<10	<0.000002	0.00008	0.0007	0.000201	0.0007	0.0012	0.0002	<0.02							
	0.33	0.00009	8.16	<0.000005	6.59	0.247	<10	<0.000002	<0.00001	0.0006	0.000157	0.001	0.0008	0.0003	<0.02							
	0.44	0.0001	8.22	<0.000005	6.96	0.253	<10	<0.000002	0.00003	0.0011	0.000248	0.0007	0.0026	0.0003	<0.02	NC	<0.00002	<0.00002	0.000013	0.000026		
	0.78	0.0001	7.7	<0.000005	12.8	0.443	15	<0.000002	0.00002	0.0006	0.00071	0.0006	0.0025	0.0002	0.04	110	<0.00002	<0.00002	0.000008	<0.000005		
	0.66	0.000081	5.74	<0.0000050	5.3	0.179	<10	<0.0000020	<0.00020	0.00082	0.000169	0.00086	0.00227	0.00022	<0.20							
	0.429	<0.000040	8.61	<0.0000050	8.09	0.27	<10	<0.0000020	0.00047	0.00111	0.000288	0.0012	0.0011	0.00027	<0.20							
	0.477	0.000077	8.6	<0.0000050	8.36	0.279	<10	<0.0000020	0.00029	0.00086	0.000354	0.00073	0.00082	0.00027	<0.20							
																				<0.01		
	0.19	<0.01	11	<0.001	6.86	0.138				<0.001	<0.02	0.0007	0.003	<0.001					<0.02	<0.02		
	0.45	<0.01	5.3	<0.001	6.35	0.16				<0.001	<0.02	<0.0005	0.002	<0.001					<0.02	<0.02		
	1.46	<0.02	3.9	<0.001	1.69	0.051				<0.001	<0.02	<0.001	0.004	<0.001					<0.005	<0.005		
	0.23	<0.02	13.5	<0.001	6.06	0.176				<0.001	<0.02	<0.001	0.006	<0.001					<0.005	<0.005		
	0.4	<0.02	9.9	<0.001	9.92	0.2				<0.001	<0.02	0.003	0.009	<0.001					<0.01	<0.01		
	1	<0.02	5.25	<0.001	3.48	0.082	1.32		<0.01	0.002	<0.02	<0.002	<0.005	<0.001					<0.01	<0.01		
	1	<0.02	5.27	<0.001	3.54	0.084	1.35		<0.01	0.002	<0.02	<0.002	<0.005	<0.001					<0.01	<0.01		
	<0.4	<0.0002	10.5	<0.0001	6.4	0.133	4	<0.00005	<0.001	0.0013	<0.0005	0.0012	<0.001		<0.02	102						
	<0.4	<0.0002	10.4	<0.0001	5.4	0.116	2.2	<0.00005	<0.001	0.0011	<0.0005	0.0006	<0.001		<0.02	113						

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
																				FIELD	
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																				FIELD	
																				FIELD	
																				FIELD	
																				FIELD	
																					20.2
																					21.7

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W7	Upper North Williams Creek Tributary	07-Jun-2006	Flow not measured: low flow			<2		147	0.5	7.9		75.3		137	11.9	7.46		104.0	
		14-Jul-2006	Discharge not measured; low flow.			<2		89.2	0.6	8.4		182		185		8.34		-5.0	
		15-Aug-2006	Discharge not measured-low flow			<2		88.9	0.7	7.25		179		178	4.10	7.81		103.0	
		14-Sep-2006		0.0001		29		102.0	5.1	7.49		206		186	4.20	5.97			
		08-May-2007	Discharge not measured, low flow			<2	150	44.2	<0.1	7.61	7.44	87		72	0.00	6.60			
		19-Jun-2007		0.0001		<2	172	76.6	0.4	8.40	7.49	148		152	5.00				
		24-Jul-2007		0.0001		<2	186	100	0.7	7.6	7.1	201		177	3.9	10.49			
		13-Aug-2007		0.0001		<2	190	95	0.1	7.1	7.37	190		184	8.5	6.68	90.8		
		12-Sep-2007		0.0204		<2	218	110	<0.1	**6.23**	7.28	220		167	1.0	6.77	64.6		
		11-Oct-2007		0.0012		<2	162	776	0.7	7.3	7.58	155		158	0.0	12.06	34.2		
		06-Mar-2008	No Water	0															
		18-Apr-2008	No Water	0															
		13-May-2008		0.0220		<2	184		0.4	7.4	7.24	81.9		74	0.0		82		
		03-Jun-2008	No discharge data, no reason given			<2	172	158	0.2	6.8	7.52	315		113	2.5				
		30-Jul-2008		0.0003		<2	182	228	0.4	7.08	7.4	453		147	3.8	6.84	55.3		
		20-Aug-2008		0.000148		24	212		0.9	6.94	7.38	191		172	5	7.65	65.4		
		03-Sep-2008	Visual estimate of flow	0.008		<2	174	70.7	<0.1	6.95	7.55	141.3		119	2	11.04	81.1		
		02-Oct-2008		0.0031		<2	188	81.2	<0.1	6.73	7.75	162.4		140	0	11.62	82.4		
		26-Nov-2008	No water	0															
		21-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.025572		<1	76	52.7	0.5	7.69	7.6	105.5		78	-1.6	11.48	81.7		44.1
		12-Jul-2009	Extremely low discharge, difficult to accurately measure flow. Flows estimated. Ionic balance not available	0.0005		2	160		0.4	7.28	7.7	122.6		159	5.8	6.58	53.2	144.6	85.9
		09-Sep-2009	No discernible flow: no discharge measurment; Ionic Balance not available			12	200		2	7.15	7.7	154.4		209	4.4	7.18	55.2	63.5	101

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W7	78													<0.05				0.8	<0.1	0.14		13.2	27.4	26.3	0.025	
	95													<0.05				0.68	<0.1	0.08		21.7	25.6	26.7	0.038	
	90													<0.05				0.65	0.1	0.06		21.2	29.7	29.4	0.034	
	96													<0.05				0.69	0.09	0.1		22.7	24.2	26.6	**0.405**	
	54	36	44	<6		<5	>60	0.2					0.7	<0.05	<0.05	<0.1		2.27	0.07	0.03		6.9	53.2	54.4	**0.11**	
	82	78	96	<6		<5	110	<0.1					2.5	0.05	<0.05	<0.1		0.91	<0.05	0.06		10.2	27.2	28	**0.123**	
	100	93	110	<6		<5	100	<0.1					4.4	<0.05	<0.05	<0.1		0.82	0.08	0.1		21.8	27	28.2	0.037	
	96	95	120	<6		<5	80	<0.1					3.8	<0.05	0.07	<0.1		0.72	<0.05	0.08		47	26.7	26.9	0.041	
	96	105	128	<6		<5	100	<0.02					3.41	<0.05	<0.02	<0.02		0.65	<0.05	0.12		21.2	22.9	23.8	0.063	
	78	76	92	<6		<5	130	0.08					5.73	<0.05	0.05	<0.02		0.69	<0.05	0.09		2.7	26.9	27.2	0.035	
	46	32	40	<6		<5	420	0.12					0.46	<0.05	<0.02	<0.02		1.46	<0.05	0.04		5.2	52.4	55.4	0.06	
	67	60	70	<6		<5	100	0.02					1.57	<0.05	0.03	<0.01		0.9	<0.05	0.07	<0.05	12.3	34.4	34.4	0.05	
	88	86	100	<6		<5	120	0.04					2.97	<0.05	0.04	<0.01		0.78	<0.05	0.1		11.9	28.7	29.2	0.03	
	92	98	100	<6		<5	90	0.04					1.72	<0.05	<0.01	0.03		0.93	0.09	0.09		24	30.4	31.4	**0.366**	
	74	65	80	<6		<5	150	0.06					0.92	<0.05	0.02	<0.01		0.9	<0.05	0.14		13.7	38.1	38.5	0.088	
	75	58	70	<6		<5	120	0.07					2.86	<0.05	0.04	<0.01		0.72	<0.05	0.09	<0.05	16.2	29.2	28.6	0.049	
	49.2	37	45	<0.5	<0.5	<0.5	100	2		0.001		0.0016	<5	<0.005	<0.005	<0.02	0.9	0.9	0.019	<0.005		5.1	37.9	34.1	0.059	
	87.3	81	99	<0.5	<0.5	<0.5		1.2		0.0006		0.0009	<0.5	0.017	<0.005	<0.02			0.009	<0.005			29.3	29.5	0.0406	
	110	95	120	<0.5	<0.5	<0.5		1.6		0.0014		0.0011	9.8	0.011	<0.005	<0.02			0.005	<0.005			27.4	28.1	0.04	

Station	n	t Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W7	<0.0002	0.0005	0.022	<0.0001	<0.0005	0.004	<0.00001	23.1	<0.0005	<0.0001	0.002	<0.1	<0.0001	<0.001	4.4	<0.005		<0.001			
	<0.0002	0.0005	0.033	<0.0001	<0.0005	0.005	<0.00001	29.5	<0.0005	<0.0001	0.002	0.1	0.0001	<0.001	5.1	<0.005		<0.001			
	<0.0004	<0.0004	0.023	<0.0002	<0.001	0.004	<0.00002	26.1	0.001	<0.0002	0.002	<0.2	<0.0002	<0.002	5.2	<0.01		<0.002			
	<0.0004	0.0008	0.032	<0.0002	<0.001	<0.004	<0.00002	28.9	<0.001	0.0004	<0.002	2.2	0.0002	<0.002	6	0.094		<0.002			
	<0.0004	<0.0004	0.01	<0.0002	<0.001	0.005	0.00002	17	<0.001	<0.0002	0.004	<0.2	<0.0002	<0.002	3.5	<0.01	<0.0001	<0.002			
	<0.0002	0.0004	0.021	<0.0001	<0.0005	0.003	<0.00001	24	0.0006	0.0003	0.003	0.4	<0.0001	<0.001	5.1	0.018	<0.00002	<0.001			
	<0.0002	<0.0002	0.022	<0.0001	<0.0005	0.003	<0.00001	27.8	0.0006	<0.0001	0.002	0.2	<0.0001	<0.001	5.7	0.01	<0.00002	<0.001			
	<0.0002	0.0004	0.023	<0.0001	<0.0005	0.003	<0.00001	27.6	0.0006	0.0001	0.002	0.1	<0.0001	<0.001	5.6	0.009	<0.00002	<0.001			
	<0.0002	0.0007	0.025	<0.0001	<0.0005	<0.002	0.00024	27.8	0.001	0.0001	0.002	0.2	0.0003	<0.001	5.8	0.017	<0.00002	<0.001			
	<0.0002	0.0004	0.017	<0.0001	<0.0005	<0.002	<0.00001	24.2	0.0011	<0.0001	0.003	0.1	0.0001	<0.001	5	0.006	<0.00001	<0.001			
	<0.0002	<0.0002	0.012	<0.00004		<0.005	<0.00007	13.6	0.0012	0.00012	0.003	0.12	<0.0001	<0.001	2.63	0.0041	0.00002	0.00008			
	<0.0002	0.0026	0.025	<0.00004		<0.005	<0.00007	20	0.0023	0.00029	0.066	0.17	0.0111	<0.001	3.89	0.0028	<0.00001	0.00056			
	<0.0002	0.0004	0.018	<0.00004		<0.005	<0.00008	25.8	0.0006	0.00008	0.003	0.14	0.0001	<0.001	5.24	0.0046	<0.00001	<0.00002			
	<0.0002	0.0007	0.027	<0.00004		<0.005	0.00011	28.3	0.0026	0.00025	0.004	0.97	0.0015	<0.001	5.7	0.0233	0.00001	0.00004			
	<0.0002	0.0005	0.015	<0.00004		<0.005	0.00001	22	0.0009	0.00009	0.003	0.31	0.0004	<0.001	4.31	0.0051	0.00001	0.00002			
	<0.0002	0.0003	0.015	<0.0001	<0.0005	<0.002	0.00001	21.8	0.0006	<0.0001	0.007	0.08	0.0001	<0.001	4.5	<0.005	<0.00001	<0.001			
	0.00003	0.0003	0.0113	0.00001	<0.000005	<0.05	0.000009	13	0.0003	0.000097	0.00289	0.102	0.000086	<0.0005	2.84	0.00185	0.00001	0.00016			
	0.00006	0.00039	0.0201	0.00001	0.000024	<0.05	0.000009	25.6	0.0002	0.000077	0.00257	0.116	0.000027	<0.0005	5.3	0.00497	<0.00001	0.00015			
	0.00011	0.0005	0.0254	0.00001	<0.000005	<0.05	0.000022	30.2	0.0014	0.000136	0.00184	0.885	0.000203	0.0008	6.11	0.0354	<0.00001	0.00015			

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W7	0.0008		<0.4	<0.0002	6.69	<0.0001	4.2	0.087	1.4	<0.00005	<0.001	0.0007	<0.0005	0.0005	<0.001	<0.001	0.028	<0.0002	0.0004	
	0.0011		<0.4	<0.0002	6.01	<0.0001	5.2	0.126	3.3	<0.00005	<0.001	0.0016	<0.0005	0.0012	0.004	<0.001	0.015	<0.0002	0.0006	
	0.002		<0.8	<0.0004	9.06	<0.0002	5	0.1	2	<0.0001	<0.002	0.001	<0.001	0.0006	<0.002	<0.002	0.028	<0.0002	0.0004	
	0.002		<0.8	<0.0004	9	<0.0002	5.4	0.12	2.1	<0.0001	<0.002	0.016	<0.001	0.0022	0.005	<0.002	0.037	<0.0002	0.0005	
	0.001	0.02	2	<0.0004	3.48	<0.0002	2	0.06	<0.6	<0.0001	<0.002	<0.001	<0.001	0.0007	0.01	<0.002	0.048	<0.0002	0.0003	
	0.0017	<0.02	<0.4	<0.0002	8.49	<0.0001	4.7	0.1	1.1	<0.00005	<0.001	0.0035	<0.0005	0.0009	0.004	<0.001	0.035	<0.0002	0.0005	
	<0.0005	<0.02	<0.4	0.0003	8.15	<0.0001	5.4	0.123	1.7	<0.00005	<0.001	0.0012	<0.0005	0.0005	0.003	<0.001	0.037	<0.0002	0.0003	
	0.0017	<0.02	<0.4	0.0003	9.68	<0.0001	5.8	0.123	1.6	<0.00005	<0.001	0.0011	<0.0005	0.0007	0.003	<0.001	0.031	<0.0002	0.0004	
	0.0014	<0.02	<0.4	0.0003	9.36	<0.0001	5.3	0.118	1.5	<0.00005	<0.001	0.0031	<0.0005	0.0005	0.006	<0.001	0.245	0.0007	0.0004	
	0.0021	<0.02	<0.4	<0.0002	10.5	<0.0001	5.7	0.101	2.1	<0.00005	<0.001	0.001	<0.0005	0.0004	0.005	<0.001	0.033	0.0006	0.0002	
	0.002	0.03	1.21	<0.0006	1.76	<0.0001	2.1	0.049		<0.00001	<0.0001	0.0024	<0.0005	0.00054	0.003	0.0004	<0.01	0.0007	<0.0002	
	0.002	0.01	0.3	<0.0006	3.6	<0.00005	4	0.074		<0.00001	<0.0001	0.0016	<0.0004	0.00036	0.027	0.0008	0.03	0.0015	<0.0002	
	0.002	0.01	0.12	<0.0006	9.4	<0.00001	5.8	0.102		<0.00001	<0.0001	0.0018	<0.0004	0.00046	0.004	0.0004	0.03	0.0006	0.0003	
	0.004	0.09	0.4	<0.0006	11.2	<0.00001	6	0.113		<0.00001	<0.0001	0.0161	<0.0004	0.00139	0.014	0.0006	0.03	0.0008	0.0003	
	<0.001	0.02	0.36	<0.0006	9.39	<0.00001	5	0.084		<0.00001	<0.0001	0.0033	<0.0004	0.00069	0.01	0.0006	0.043	0.0005	0.0003	
	0.0015		<0.4	<0.0002	7.56	0.00007	5.2	0.093	1.4	<0.00005	<0.001	0.0016	<0.0005	0.0005	0.007	<0.001	0.044	<0.0002	0.0004	
	0.00125	0.02	0.73	0.00005	4.2	<0.000005	1.85	0.0508	<3	<0.000002	<0.00001	0.0006	0.000014	0.0003	0.0024	0.0005	0.0615	0.00003	0.00032	
	0.00137	0.008	0.09	0.00007	9.98	<0.000005	4.28	0.0987	<3	<0.000002	<0.00001	0.0006	0.000023	0.0003	0.0014	0.0004	0.0381	0.00007	0.00037	
	0.00145	0.023	0.15	0.00006	12.5	<0.000005	4.99	0.125	4	<0.000002	<0.00001	0.0005	0.000026	0.0004	0.0058	0.0004	0.0341	0.00007	0.00044	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W7	0.021	<0.0001	<0.0005	0.002	0.00001	23.7	<0.0005	<0.0001	0.002	0.09	0.0001	<0.001	4.5	<0.005		<0.001	0.001			
	0.032	<0.0001	0.0009	0.005	<0.00001	28.4	<0.0005	<0.0001	0.002	0.08	<0.0001	<0.001	5.8	<0.005		<0.001	0.0011			
	0.02	<0.0001	<0.0005	<0.002	<0.00001	26.8	0.0006	<0.0001	0.002	0.1	<0.0001	<0.001	5.5	0.008		<0.001	0.0015			
	0.022	<0.0001	<0.0005	0.002	<0.00001	28.6	0.0008	0.0002	0.002	0.41	<0.0001	<0.001	5.9	0.052		<0.001	0.0011			
	0.014	<0.0001	<0.0005	<0.002	0.00002	16.5	0.0006	<0.0001	0.003	0.07	<0.0001	<0.001	3.1	<0.005	<0.0001	<0.001	0.0012			
	0.02	<0.0001	<0.0005	<0.002	<0.00001	25	<0.0005	<0.0001	0.003	0.09	<0.0001	<0.001	4.8	<0.005	<0.00002	<0.001	0.001			
	0.022	<0.0001	<0.0005	<0.002	<0.00001	30	0.0006	<0.0001	0.002	0.16	0.0001	<0.001	6.1	0.009	<0.00002	<0.001	<0.0005			
	0.022	<0.0001	<0.0005	<0.002	<0.00001	28.6	0.0006	<0.0001	0.002	0.16	<0.0001	<0.001	5.9	0.009	<0.00002	<0.001	0.001			
	0.029	<0.0001	<0.0005	<0.002	<0.00001	28.1	0.0075	0.0003	0.002	0.32	<0.0001	<0.001	6.4	0.016	<0.00002	<0.001	0.0016			
	0.016	<0.0001	<0.0005	<0.002	<0.00001	23.2	0.0008	<0.0001	0.002	0.09	<0.0001	<0.001	4.8	<0.005	<0.00001	<0.001	0.0012			
	0.011	0.00005		<0.004	<0.00008		0.0006	0.00013	0.001	0.082	<0.0001	<0.001		0.0025	0.00002	0.00008	0.002	0.02		
	0.014	<0.00004		<0.004	<0.00008		0.0012	0.00014	0.003	0.09	<0.0001	<0.001		0.0009	0.00001	0.0001	0.001	<0.01		
	0.019	<0.00004		<0.004	<0.00008		0.0005	0.00014	0.003	0.12	0.0002	<0.001		0.0036	<0.00001	0.00011	0.002	<0.01		
	0.021	<0.00004		<0.004	<0.00001		0.0008	0.00013	0.002	0.14	<0.0001	<0.001		0.0072	<0.00001	<0.00002	0.002	<0.01		
	0.015	<0.00004		<0.004	<0.00001		0.0013	0.00007	0.003	0.11	<0.0001	<0.001		0.0018	0.00001	0.00006	<0.001	<0.01		
	0.016	<0.0001	<0.0005	<0.002	<0.00001	22.3	<0.0005	<0.0001	0.003	0.08	<0.0001	<0.001	4.6	<0.005	<0.00001	<0.001	0.0013			
	0.0125	0.00002	<0.000005	<0.05	0.000011	14.5	0.0002	0.000093	0.00283	0.106	0.000096	<0.0005	3.15	0.00223	<0.00001	0.00014	0.00126	0.018		
	0.0201	0.00001	<0.000005	<0.05	<0.000005	26	0.0002	0.000074	0.00244	0.107	0.000014	<0.0005	5.42	0.00428	<0.00001	0.00008	0.00142	0.007		
	0.0238	<0.00001	<0.000005	<0.05	0.000019	33.3	0.0007	0.000111	0.00184	0.397	0.000171	<0.0005	6.6	0.0324	<0.00001	0.00014	0.00128	0.014		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
W7	0.4	<0.0002	6.98	<0.0001	4.5	0.091	1.5	<0.00005	<0.001	0.0008	<0.0005	0.0007	0.002		<0.02							
	<0.4	<0.0002	6.63	<0.0001	5.1	0.126	3.4	<0.00005	<0.001	0.0009	<0.0005	0.0012	0.003		0.02							
	<0.4	<0.0002	9.58	<0.0001	5.2	0.103	1.6	<0.00005	<0.001	<0.0005	<0.0005	0.0007	0.002		<0.02							
	<0.4	<0.0002	9.93	<0.0001	5.8	0.11	2	<0.00005	<0.001	0.0013	<0.0005	0.0009	0.002		0.05							
	1.8	<0.0002	3.37	<0.0001	2.2	0.063	0.6	<0.00005	<0.001	<0.0005	<0.0005	0.0008	0.004		0.04							
	<0.4	<0.0002	8.48	<0.0001	5.2	0.094	1.1	<0.00005	<0.001	0.001	<0.0005	0.0007	<0.001		<0.02							
	<0.4	<0.0002	10.2	<0.0001	5.5	0.117	1.8	<0.00005	<0.001	0.001	<0.0005	0.0005	0.006		<0.02							
	<0.4	<0.0002	10.1	<0.0001	5.8	0.112	1.6	<0.00005	<0.001	0.0011	<0.0005	0.0009	0.003		0.03							
	<0.4	<0.0002	10.9	<0.0001	5.4	0.121	1.4	<0.00005	<0.001	0.0218	<0.0005	0.0006	0.002		<0.02							
	<0.4	<0.0002	9.46	<0.0001	5.3	0.094	2.1	<0.00005	<0.001	0.0009	<0.0005	0.0004	0.002		0.05							
	1.28	<0.0006	1.82	<0.00001	1.95	0.054		<0.00001	<0.0001	0.0011	<0.0006	0.00035	0.002	0.0004	0.05	160	<0.0001	<0.0001	<0.0001	<0.0001		
	0.3	<0.0006	3.77	<0.00001	4.17	0.074		<0.00001	<0.0001	0.0009	<0.0004	0.00049	0.002	0.0007	0.01		0.0003	0.0004	<0.0001	<0.0001		
	0.12	<0.0006	9.47	<0.00001	5.52	0.104		<0.00001	<0.0001	0.0018	<0.0004	0.00041	0.004	0.0004	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.13	<0.0006	11.1	<0.00001	5.35	0.112		<0.00001	<0.0001	0.0019	<0.0004	0.00049	0.002	0.0005	0.02		<0.0001	<0.0001	<0.0001	<0.0001		
	0.33	<0.0006	9.51	<0.00001	5.08	0.083		<0.00001	<0.0001	0.0018	<0.0004	0.00069	0.002	0.0005	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	<0.4	<0.0002	9.95	<0.00001	5.2	0.091	1.3	<0.00005	<0.001	0.0014	<0.0005	0.0005	0.004		<0.01							
	0.81	0.00005	4.4	<0.000005	2.09	0.0576	<3	<0.000002	<0.00001	0.0012	0.000018	0.0002	0.0045	0.0005	<0.02	NC	<0.00002	<0.00002	0.000017	0.00002		
	0.13	0.00006	10.1	<0.000005	4.4	0.101	<3	<0.000002	<0.00001	0.001	0.000019	0.0004	0.0018	0.0004	<0.02	NC	<0.00002	<0.00002	0.00002	0.000018		
	0.12	0.00007	11.5	<0.000005	5.47	0.123	5	<0.000002	<0.00001	0.001	0.000023	0.0004	0.0045	0.0003	<0.02	NC	<0.00002	<0.00002	0.000025	0.000023		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
W7																					

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		16-Oct-2009	No Ionic Balance Available, Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			5	160		2.2	7.62	7.8	133.9		237	0.0	4.22	29.8	104.8	106
		12-May-2010	Average flow. (~0.001) flow too low to measure No issues.			<1	56		0.2	7.36	7.5	43.8		91	0.4	10.97	83.5	51.8	54.6
		10-Jun-2010	Flow/discharge to low to measure (<0.001)			<1	130		0.6	6.95	7.6	95.3		142	6.4	5.67	46.1	361.2	69.2
		17-Aug-2010	Flow estimated, too low to measure	0.0005		1	160		1	7.29	8.02	172.5		175	6	5.94	53.1	39.8	87.2
		20-Oct-2010	Flows too low to collect samples without disturbing sediment from the streambed and contaminating samples																
		31-May-2011	Visual estimated flow	0.0015		<1	110		0.3	7.66	7.28	62.9		113	2.4	11.39	85.5		55.9
		28-Jun-2011	Flow estimated @ 0.1 to 0.2 L/s	0.0002		<1	140		0.8	8.03	7.7	85.7		135	6.3	9.99	90.3	104.3	70.4
		07-Sep-2011		0.0015		<1	160		0.3	7.4	8.05		182	185	3.3	10.78	82.8	63.1	95.8
		27-Oct-2011				2	170		0.8	7.5	7.73		611.48	216	0.3				109
		25-May-2012	Ion Balance Non-Calculable	0.007		<1.0	106			7.52	7.76		163.9	105	1.1	14.3	102	267.7	56.7
		10-Aug-2012	low flow, estimated at 2L/min, clear. Ion Balance Non-Calculable.	0.000033		7.9	204			7.78	7.99		243.3	231	4.9	11.7	91.7	15.9	124
		03-Oct-2012		0.002		<1.0	188			7.35	8.14		262.1	200	1.10	14.48	100.7	68.4	105
WX07	Onetime sample WC btwn W4 and W13, no coords	25-Jul-2007	Extra Sation, No In Situ Data			8	256		3.5		7.84			356					
		Oct-89	No in situ parameters measured			<5					7.8			505					
		Aug-91	No in situ parameters measured			<5			<1		8.2			275					
		Dec-91	No in situ parameters measured			15			7		7.9			635					
		May-92	No in situ parameters measured			<5			2		7.5			85					
		Jul-92	No in situ parameters measured			<5			<1		7.9			130					

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	117	110	130	<0.5	<0.5	<0.5		0.6		<0.0005		0.001	15	0.011	<0.005	0.03			0.009	<0.005			30.1	28.7	0.0519	
	52.7	42	51	<0.5	<0.5	<0.5	150	1.2		0.0013		0.001	<5	0.02	0.006	0.03	5.9	5.9	0.008	<0.005		6.8	34.8	35.2	0.0426	
	70.3	66	81	<0.5	<0.5	<0.5	60	0.8		0.0014		0.0014	<0.5	0.06	<0.005	0.15	1.81	1.66	0.018	<0.005		13.9	23.7	26.1	0.0764	
	93.4	87	110	<0.5	<0.5	<0.5	60	<0.5				0.0008	<0.5	0.19	<0.005	<0.02	0.59	0.59	0.017	0.014		<0.5	29.1	29.3	0.0532	
	59.5	53	64	<0.5	<0.5	<0.5	100	1.1		<0.0005		0.0009	<0.5	0.013	<0.005	<0.02	1.01	1.01	0.006	<0.005		21.6	32.4	32.6	0.0357	
	73	67	82	<0.5	<0.5	<0.5	80	1.5		0.0023		0.002	2.2	0.037	<0.005	<0.02	0.56	0.56	0.028	0.01		16.5	30.6	29.6	0.0379	
	91	93	110	<0.5	<0.5	<0.5	60	1.1		<0.005		<0.005	<0.5	0.057	<0.005	<0.02	0.36	0.36	0.006	<0.005		21.9	27.6	28.9	0.0358	
	111	95	120	<0.5	<0.5	<0.5	50	1		0.0008		0.0008	<0.5	0.02	<0.005	<0.02	0.38	0.38	0.014	0.014		27.1	25.4	26.2	0.0565	
	57.1	52.5	64.1	<0.50	<0.50	<0.50		1.5	0.072				<0.50	0.032	<0.050	<0.20							26	24.5	0.0327	
	122	119	145	<0.50	<0.50	<0.50		0.64	0.098				<0.50	0.013	<0.050	<0.20							29.8	28.5	0.05	
	105	106	129	<0.50	<0.50	<0.50		0.54	0.084				<0.50	0.012	<0.050	<0.20							26.8	25.8	0.0349	
WX07	174	143	174	<6		<5	50	1.1					55	<0.05	<0.05	<0.1		0.48	<0.05	0.08		32.3	14.7	14.5	**0.243**	
	185.3	170						2	<1				54	0.08	<0.003	<0.1									<0.02	
	145	157											17	<0.05	<0.003	<0.1									<0.005	
	301	255											50.8	0.44	<5	<0.05			0.29						<0.005	
	38	38											1.8	<0.05	<0.03	<0.05			0.012						0.088	
	96.4	84											6.2	<0.05	<1	<0.1			0.009						0.057	

Station	n c Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
		0.00017	0.00054	0.0263	0.00001	<0.000005	<0.05	0.000051	31.2	0.0006	0.000139	**0.00324**	0.187	0.00123	<0.0005	6.9	0.018	<0.00001	0.0002	
		0.00004	0.00038	0.0127	0.00002	<0.000005	<0.05	0.000017	16.2	0.0002	0.000075	**0.00276**	0.087	0.000102	<0.0005	3.41	0.00344	0.00001	0.00015	
		0.00007	0.00049	0.0204	0.00001	<0.000005	<0.05	0.000061	20.2	0.0006	0.000201	**0.00369**	**0.401**	0.000474	<0.0005	4.55	0.033		0.00016	
		0.00007	0.00047	0.0234	<0.00001	<0.000005	<0.05	0.000076	25.7	**0.0015**	0.000104	**0.00265**	**0.414**	0.000201	0.0005	5.6	0.011	0.00001	0.00013	
		0.00004	0.00033	0.0135	<0.00001	<0.000005	<0.05	<0.000005	16.9	0.0003	0.000067	**0.0024**	0.078	0.000022	<0.0005	3.34	0.00098	<0.00001	0.00017	
		0.00005	0.00038	0.0173	0.00001	<0.000005	<0.05	0.00002	21.3	0.0003	0.000057	**0.00255**	0.077	0.000019	<0.0005	4.18	0.00094	<0.00001	0.00016	
		0.00006	0.00042	0.0225	<0.00001	<0.000005	<0.05	0.000025	28.5	0.0004	0.000085	0.00223	0.114	0.000201	<0.0005	6.02	0.00537	<0.00001	0.00031	
		0.00007	0.00044	0.0251	<0.00001	<0.000005	<0.05	0.000018	32	0.0004	0.000095	0.00211	0.204	0.00027	<0.0005	7.01	0.00977	<0.00001	0.0002	
		0.000029	0.000318	0.0141	<0.000010	<0.0000050	<0.050	0.0000159	16.7	0.00022	0.0000731	**0.00205**	0.0957	<0.0000050	<0.00050	3.66	0.00493	<0.000010	0.0002	
		0.00006	0.000428	0.0274	<0.000010	<0.0000050	<0.050	0.000019	36.5	0.00043	0.000122	0.00231	0.178	0.000191	<0.00050	8.06	0.0122	<0.000010	0.000248	
		0.000059	0.000431	0.0212	<0.000010	0.000006	<0.050	0.000008	30.7	0.00033	0.000085	0.00183	0.114	0.000174	<0.00050	6.91	0.00425	<0.000010	0.000269	
WX07		<0.0002	0.0006	0.05	<0.0001	<0.0005	0.013	0.00003	44.9	0.0009	0.0001	0.002	**0.4**	0.0004	0.002	12.4	0.021	<0.00002	0.005	
		<0.005	<0.02	0.043	<0.0001		0.004	<0.0002	44.2	0.0005	<0.0005	<0.005	0.199	<0.002	0.29	18.2	0.015	<0.005	<0.001	
		<0.05	<0.05	0.049	<0.0005	<0.01		<0.0003	35.6	**0.008**	<0.001	<0.01	0.138	<0.004	<0.06	13.8	0.016		<0.005	
		<0.05	**0.16**	0.082	<0.0005	<0.01		<0.0003	83	**0.007**	0.004	<0.001	**3.17**	<0.004	<0.05	22.7	**1.3**		0.007	
		<0.02	<0.04	0.013	<0.0002	<0.02		0.0004	9.8	<0.001	<0.001	0.002	0.117	<0.004	<0.05	3.1	0.003		<0.003	
		<0.02	<0.04	0.034	<0.0002	<0.02		<0.0003	25.7	<0.001	0.001	**0.004**	0.137	<0.004	<0.05	7.5	<0.001		<0.003	

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00173	0.014	0.21	0.00006	10.6	<0.000005	5.65	0.13	6	<0.000002	0.00007	0.0013	0.000027	0.0003	0.0179	0.0004	0.0389	0.00011	0.00041	
	0.00125	0.014	0.62	0.00006	4.93	<0.000005	2.82	0.0614	<10	<0.000002	<0.00001	0.003	0.000013	0.0002	0.0025	0.0003	0.0401	0.00003	0.00031	
	0.00214		0.32	0.00005	7.86	<0.000005	4.42	0.0853	<10	<0.000002	0.00002	0.0013	0.000009	0.0006	0.0136	0.0003	0.0361	0.00005	0.0004	
	0.00146	0.022	0.17	0.00008	10.2	0.000005	4.86	0.111	<10	<0.000002	0.00003	0.0018	0.000023	0.0008	0.0056	0.0004	0.0357	0.00006	0.00039	
	0.00117		0.23	0.00005	7.32	<0.000005	2.65	0.0673	<10	<0.000002	0.00002	0.0007	0.000012	<0.0002	0.0011	0.0004	0.0431	0.00004	0.00028	
	0.00122		0.11	0.00007	9.96	<0.000005	3.66	0.0863	<10	<0.000002	<0.00001	0.0008	0.000019	0.0005	0.0009	0.0004	0.0374	0.00005	0.00038	
	0.00136	0.009	0.19	0.00007	10.2	<0.000005	4.59	0.12	<10	<0.000002	<0.00001	0.0012	0.000037	0.0003	0.003	0.0004	0.0324	0.00006	0.00038	
	0.00128	0.012	0.17	0.00007	10.4	<0.000005	4.92	0.13	<10	<0.000002	0.00003	0.0019	0.000038	0.0005	0.0053	0.0003	0.0331	0.00006	0.00039	
	0.00113	0.0121	0.348	<0.000040	5.52	<0.0000050	2.45	0.0682	<10	<0.0000020	<0.00020	<0.00050	0.0000122	0.00032	0.00105	0.00031	0.0321	0.000026	0.000339	
	0.00136	0.0154	0.15	0.000072	10.6	0.000008	5.72	0.149	<10	<0.0000020	0.00058	0.00167	0.000045	0.00058	0.00387	0.00032	0.0289	0.000057	0.000385	
	0.00133	0.0087	0.106	<0.000040	10.9	<0.0000050	4.85	0.128	<10	<0.0000020	<0.00020	0.00118	0.000049	0.00044	0.00443	0.00037	0.0276	0.000058	0.000436	
WX07	<0.0005	<0.02	0.8	<0.0002	7.34	<0.0001	14.1	0.603	17.7	<0.00005	<0.001	0.0121	0.0006	0.0017	0.007	<0.001	0.018	<0.0002	0.0004	
	0.0012	<0.05	1.3	<0.005	4.92	<0.002	19.1	0.583				<0.001	<0.02	<0.0002	0.0064					
	0.005	<0.02	0.82	<0.01	9.9	<0.001	14.2	0.4				<0.001	<0.02	0.0038	0.008	<0.001	<0.005	<0.05	<0.05	
	0.007	0.37	1.91	<0.01	4.3	<0.001	7	0.56				0.007	<0.02	<0.0005	<0.001	<0.001	<0.005	<0.05	0.16	
	<0.01	0.03	0.85	<0.02	3.66	<0.001	2.13	0.078				0.004	<0.02	0.001	0.007	<0.001	0.035	<0.02	<0.04	
	0.006	<0.02	0.45	<0.02	13	<0.001	5.98	0.28				0.002	<0.02	<0.001	0.003	<0.001	0.022	<0.02	<0.04	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0274	<0.00001	<0.000005	<0.05	0.000036	34.7	0.0004	0.000123	0.00278	0.166	0.000193	0.0005	7.5	0.0194	<0.00001	0.00024	0.00143	0.013		
	0.0126	0.00001	<0.000005	<0.05	0.000012	15.6	0.0001	0.00006	0.00279	0.085	0.000078	<0.0005	3.37	0.0024	0.00001	0.00013	0.00123	0.015		
	0.0183	0.00001	<0.000005	<0.05	0.000009	20.8	0.0003	0.000082	0.00245	0.191	0.000065	<0.0005	4.45	0.0114		0.00016	0.00124			
	0.023	0.00001	<0.000005	<0.05	0.00001	27.5	0.0017	0.00008	0.00236	0.181	0.000091	<0.0005	6.01	0.00848	<0.00001	0.00019	0.00136	0.01		
	0.0144	<0.00001	<0.000005	<0.05	0.000021	17.7	0.0002	0.000055	0.00277	0.084	0.000064	<0.0005	3.74	0.00112		0.00017	0.0013			
	0.0178	<0.00001	<0.000005	<0.05	0.000013	22	0.0003	0.000056	0.00255	0.076	0.000009	<0.0005	4.38	0.00092		0.00016	0.00127			
	0.0217	<0.00001	<0.000005	<0.05	0.000016	27	0.0004	0.000078	0.00211	0.102	0.000117	<0.0005	5.73	0.005	<0.00001	0.00019	0.00127	0.007		
	0.0239	<0.00001	<0.000005	<0.05	0.000027	32.4	0.0004	0.000078	0.002	0.094	0.000137	<0.0005	7.35	0.00523	<0.00001	0.00019	0.00142	0.011		
	0.0142	<0.000010	<0.0000050	<0.050	0.0000138	16.8	0.0002	0.0000706	0.00211	0.0891	0.00001	<0.00050	3.68	0.00349	<0.000010	0.000216	0.00124	0.0105		
	0.0279	<0.000010	<0.0000050	<0.050	0.00002	36.2	0.00039	0.000078	0.00242	0.0934	0.000148	<0.00050	7.73	0.00553	<0.000010	0.000302	0.00129	0.011		
	0.021	<0.000010	<0.0000050	<0.050	<0.0000050	30.7	0.00032	0.000065	0.00153	0.101	0.000044	<0.00050	6.84	0.00372	<0.000010	0.000265	0.00113	0.007		
WX07	0.046	<0.0001	<0.0005	0.013	0.00001	48.6	<0.0005	<0.0001	0.002	0.09	0.0004	0.001	12.8	0.009	<0.00002	0.005	<0.0005			
	0.049	<0.0005	<0.01		<0.0003	35.3	<0.001	<0.001	<0.001	0.094	<0.004	<0.05	13	0.016		<0.005	0.005	<0.02		
	0.066	<0.0005	<0.01		<0.0003	81.9	0.005	0.004	<0.001	1.24	<0.004	<0.05	22.5	1.26		0.006	0.004	0.23		
	0.009	<0.0002	<0.02		<0.0003	8.15	<0.001	<0.001	<0.001	0.043	<0.004	<0.05	2.58	0.001		<0.003	<0.001	0.02		
	0.029	<0.0002	<0.02		<0.0003	25.5	<0.001	<0.001	<0.001	0.379	<0.004	<0.05	7.54	<0.001		<0.003	0.004	<0.02		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.22	0.00007	12.4	<0.000005	6.26	0.137	5	<0.000002	0.00003	0.001	0.000028	0.0005	0.012	0.0004	0.03	NC	<0.00002	<0.00002	0.000017	0.000015		
	0.6	0.00006	4.94	<0.000005	2.72	0.0601	<10	<0.000002	<0.00001	<0.0005	0.000008	0.0002	0.0017	0.0003	0.03		<0.00002	<0.00002	0.00001	0.000013		
	0.13	0.00005	8.86	<0.000005	4.03	0.0871	<10	<0.000002	<0.00001	0.0012	0.000016	0.0004	0.0022	0.0003	0.15							
	0.12	0.00007	10.1	<0.000005	5.13	0.11	<10	<0.000002	<0.00001	0.001	0.000021	0.0004	0.0031	0.0004	<0.02		<0.00002	<0.00002	0.000016	0.00002		
	0.24	0.00006	7.19	<0.000005	2.91	0.0708	<10	<0.000002	<0.00001	0.0009	0.000013	0.0002	0.0015	0.0004	<0.02							
	0.11	0.00006	9.95	<0.000005	3.71	0.0867	<10	<0.000002	<0.00001	0.0006	0.000017	0.0005	0.0011	0.0004	<0.02							
	0.16	0.0001	9.68	<0.000005	4.29	0.117	<10	<0.000002	<0.00001	0.001	0.000025	0.0003	0.0024	0.0003	<0.02	NC	<0.00002	<0.00002	0.000013	0.000015		
	0.18	0.00006	10.4	<0.000005	5.32	0.135	<10	<0.000002	0.00001	0.0011	0.000037	0.0004	0.003	0.0003	<0.02	NC	<0.00002	<0.00002	0.000011	0.000006		
	0.347	0.000046	5.75	<0.0000050	2.44	0.0671	<10	<0.0000020	<0.00020	<0.00050	0.0000105	0.00037	0.00208	0.00029	<0.20							
	0.167	0.000047	10.4	0.000012	5.87	0.151	<10	<0.0000020	0.00047	0.00082	0.000046	0.00051	0.00238	0.00034	<0.20							
	0.096	0.000051	10.6	<0.0000050	4.75	0.128	<10	<0.0000020	<0.00020	0.0011	0.000049	0.00038	0.00106	0.00035	<0.20							
WX07	0.8	<0.0002	7.31	<0.0001	16.2	0.544	19	<0.00005	<0.001	0.0022	0.0006	0.001	0.006		<0.02							
																				<0.01		
	0.81	<0.01	9.9	<0.001	13.9	0.4				<0.001	<0.02	0.0037	0.004	<0.001					<0.02	<0.02		
	1.83	<0.01	4	<0.001	6.7	0.55				0.002	<0.02	<0.0005	<0.001	<0.001					<0.02	<0.02		
	0.62	<0.02	2.95	<0.001	1.84	0.065				<0.001	<0.02	<0.001	0.003	<0.001					<0.005	<0.005		
	0.38	<0.02	12.6	<0.001	5.91	0.232				<0.001	<0.02	<0.001	0.002	<0.001					<0.005	0.01		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
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WX07																					

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W9	Upper Williams Creek, u/s of Access Road	Oct-92	No in situ parameters measured			<5			<1		7.6			475					
		May-94	No in situ parameters measured			<5	160		1		7.8			200					
		Aug-94				10			0.55	7.7	7.94	316.91		520	4.91				
		Sep-97				72	195			7.6	7.63	160							
		Oct-99	No in situ parameters measured. Collected by culvert.																
		11-Aug-2005	In situ param: conductivity measured				150				7.82	240		271					
		01-Oct-2005	in situ para.: conductivity only				130				7.91	180		225					
		30-Mar-2006				<2			1.3	6.53	7.8	974		1520					
		07-Jun-2006		0.0464		6		257	1.4	7.85		128		206	3.4	6.11		135	
		13-Jul-2006		0.0123		6		231	0.9	8.15		447		435		5.30		-22	
		14-Aug-2006		0.0163		<2		247	0.3	8.06		496		430	7.3	6.53		126	
		14-Sep-2006		0.0079		18		250	0.4	7.62		500		484	3.3				
		18-Oct-2006	Discharge not measured-Frozen			<1	320	272	0.2	7.17	8.14	517		524	1.2	6.31		30	
		20-Apr-2007	Discharge not measured; overflow			<2	372	311	<0.1	7.45	8.09	662		555	0				
		09-May-2007		0.1894		18	164	69.3	2	7.92	7.63	135.4		109	-0.5	6.97			
		21-Jun-2007		0.0055		<2	330	290	0.6	8	7.92	553		500	2.5				
		24-Jul-2007		0.0088		4	224	158	0.4	7.9	7.57	320		289	6.8	6.93			
		13-Aug-2007		0.0008		4	274	193	0.3	7.2	7.78	387		387	6.5	7.90	71.8		
		12-Sep-2007		0.0018		<2	292	226	0.2	7.5	7.77	452		346	1.0	8.56	71.9		
		12-Oct-2007		0.0026		<2	208	143	0.5	7.1	7.82	290		273	0.0	10.50	82.7		
		07-Mar-2008				8	1920	454	0.3	8.84	8.26	900		1060	-0.5	13.45	93.9		
		18-Apr-2008				3	392	310	0.3		8.13	610		629	-0.5		74.1		
		13-May-2008		0.1304		2	152		1.6	7.63	7.45	123.2		111	-0.5		9.07		
		04-Jun-2008	No discharge, reason not specified			2	220	276	0.5	6.9	7.67	559		219	2.9				
		30-Jul-2008		0.0009		2	274	543	0.3	7.38	7.78	1082		337	6.3	8.71	71.5		
		20-Aug-2008		0.0011		<5	350		0.6	7.43	7.99	393		455	6.4	7.49	73		
		03-Sep-2008		0.0375		<2	178	86.6	<0.1	7.19	7.81	173.9		150	4.4	10.92	86.9		
		01-Oct-2008		0.0088		<2	204	130	<0.1	7.66	7.96	259		220	1.6	12.21	86.4		
		26-Nov-2008	Glaciated	0															

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W9	200	188											47.8	0.06	<2.0	<0.2			0.009							0.026
	78.1	102	102	<5		<5		0.5	<1				14.4	<0.05	<0.5	<0.05			<0.005							0.01
	223.6	223						1.69	0.44				55.27	0.0173	0.029	<0.005			0.0167							<0.06
	135	127	127	<1		<1		1.4	0.23				21		0.002	0.007										**0.569**
	163																									<0.06
	127	125	152	<6	<5	<5		1.4					18	<0.05	0.006	<0.01		0.39	0.1	0.07						0.023
	110	100	122	<6	<5	<5		0.7					17	<0.05	<0.005	<0.01		0.46	0.1	0.09						0.029
	737													<0.05				0.4	0.1	0.28			9.9			0.017
	100													<0.05				0.52	<0.1	0.14		17.4	16.7	16.3		**0.162**
	203													<0.05				0.22	<0.1	0.1		46.9	8.3	8		0.055
	196													<0.05				0.32	0.1	0.05		46.8	9.9	10.4		0.028
	223													<0.05				0.2	<0.05	0.07		49.7	6.2	6.4		**0.206**
	239	223	272	<6		<5	14	1.6						<0.05	<0.005	0.02		0.14	0.07	0.04		55.5	5.3	5.6		0.01
	253	242	295	<6		<5	15	1.9					66	<0.05	<0.05	<0.1		0.16	0.06	0.05	0.06	57.2	3.5	3.7		0.014
	63	51	62	<6		<5	>60	0.3					5.9	<0.05	<0.05	<0.1		0.94	0.08	0.04		11.3	33.6	34		**0.623**
	232	208	254	<6		<5	22	1.3					69	<0.05	<0.05	0.1		0.26	<0.05	0.05		21.6	6	5.4		0.029
	144	129	157	<6		<5	100	0.6					33	<0.05	<0.05	<0.1		0.52	<0.05	0.08		29.9	17.7	17.7		0.099
	178	176	215	<6		<5	49	1.1					39	<0.05	<0.05	0.1		0.37	<0.05	0.08		50.9	13	12.7		0.03
	175	196	239	<6		<5	44	1.04					55	<0.05	<0.02	<0.02		0.36	0.05	0.09		37.1	10.1	10.8		0.058
	132	119	145	<6		<5	50	0.73					26.9	<0.05	<0.02	<0.02		0.52	<0.05	0.08		25.2	16.2	17.1		0.045
	516	434	529	<6		<5	15	4.87					185	<0.05	<0.02	0.2		0.13	<0.05	0.11		110	4.3	6.4		0.01
		265	323	<6		<5	10	2.29					102	<0.05	<0.02	0.02		0.14	<0.05	0.04		59.3	2.8	3		<0.02
	58	49	60	<6		<5	250	0.24					5.33	<0.05	<0.02	<0.02		0.98	<0.05	0.04		10.2	32.4	33.3		**0.3**
	109	100	100	<6		<5	80	0.44					21.3	<0.05	0.04	0.01		0.56	<0.05	0.06	<0.05	23	17.9	18		0.08
	177	161	200	<6		<5	70	0.69					39.8	<0.05	0.06	<0.01		0.39	<0.05	0.08		28.1	13.4	12.9		0.04
	215	201	240	<6		<5	34	1.37					59.7	<0.05	<0.01	<0.01		0.26	<0.05	0.06		48.7	8.9	8.9		0.016
	84	77	90	<6		<5	140	0.26					6.79	<0.05	<0.01	<0.01		0.72	<0.05	0.13		16.7	26.7	27.8		0.036
	100	92	100	<6		<5	90	0.4					17.1	<0.05	<0.01	<0.01		0.46	<0.05	0.08	<0.05	23.6	19.1	18.8		0.036

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W9		<0.02	<0.05	0.067	<0.0002	<0.02		<0.0004	48.5	<0.001	0.003	0.003	0.197	<0.005	<0.05	19.2	0.044		<0.004	
		<0.02	<0.02	0.028	<0.0002	<0.02		<0.0005	20.9	<0.001	<0.001	**0.027**	0.137	<0.01	<0.002	6.6	0.023		<0.005	
		<0.06	<0.06	0.0703	<0.001		0.03	<0.0006	57.03	**0.0177**	<0.006	<0.006	0.1743	<0.06		23.03	0.027		<0.01	
		0.00007	0.0011	0.0556	<0.0005	<0.0005	0.006	<0.00005	34.3	0.0009	0.0005	0.0025	**0.91**	0.00049	0.001	11.1	0.0713	<0.00005	0.00049	
		<0.02	<0.04	0.04	<0.0002	<0.02	<0.04	<0.002	46.8	<0.002	<0.004	<0.003	0.08	<0.03		11.2	0.007	<0.00005	<0.005	
		<0.0002	0.0005	0.041	<0.0001	<0.0005	0.009	<0.00001	34.6	<0.0005	<0.0001	0.001	0.1	<0.0001	0.001	10	0.01		<0.001	
		<0.0002	0.0004	0.03	<0.0001	<0.0005	0.006	<0.00001	29.2	<0.0005	<0.0001	0.002	0.1	<0.0001	0.002	8.2	0.006		<0.001	
		<0.0002	0.0013	0.224	<0.0001	<0.0005	0.104	0.00008	147	0.0008	0.0001	0.003	0.1	0.0004	0.014	87.1	0.125		0.004	
		<0.0002	0.0005	0.039	<0.0001	<0.0005	0.011	<0.00001	25.7	<0.0005	0.0002	0.002	0.3	0.0001	0.001	8.3	0.019		<0.001	
		<0.0002	0.0006	0.064	<0.0001	<0.0005	0.021	<0.00001	52.5	0.0006	<0.0001	0.001	0.3	0.0002	0.002	17.4	0.026		0.001	
		<0.0004	0.0006	0.063	<0.0002	<0.001	0.023	<0.00002	46.8	0.001	<0.0002	<0.002	<0.2	<0.0002	0.003	18	0.01		<0.002	
		<0.0004	0.0008	0.062	<0.0002	<0.001	0.026	0.00004	55.3	<0.001	<0.0002	<0.002	**0.7**	0.001	0.003	21.5	0.056		<0.002	
		<0.0002	0.0003	0.061	<0.0001	<0.0005	0.025	<0.00001	56.2	<0.0005	<0.0001	<0.001	0.1	<0.0001	0.004	24.2	0.023		0.001	
		<0.0002	0.0004	0.072	<0.0001	<0.0005	0.028	<0.00001	57.6	<0.0005	<0.0001	<0.001	0.1	0.0022	0.004	28.2	0.025		0.001	
		<0.0004	0.0005	0.035	<0.0002	<0.001	0.008	0.00004	18	0.001	0.0003	**0.004**	**0.8**	0.0003	<0.002	5.3	0.038	<0.0001	<0.002	
		<0.0002	0.0004	0.07	<0.0001	<0.0005	0.023	<0.00001	52.9	<0.0005	0.0002	0.001	0.2	<0.0001	0.002	21.8	0.033	0.00006	0.001	
		<0.0002	0.0002	0.045	<0.0001	<0.0005	0.021	<0.00001	33.4	<0.0005	<0.0001	0.002	0.2	<0.0001	0.002	12	0.011	<0.00002	<0.001	
		<0.0002	0.0007	0.056	<0.0001	<0.0005	0.017	<0.00001	43.3	<0.0005	0.0001	0.001	0.3	<0.0001	0.002	15.8	0.026	<0.00002	<0.001	
		<0.0002	0.0009	0.052	<0.0001	<0.0005	0.014	0.00003	41.4	<0.0005	<0.0001	0.001	0.3	<0.0001	0.002	15.6	0.017	<0.00002	<0.001	
		<0.0002	0.0005	0.036	<0.0001	<0.0005	0.009	<0.00001	32.3	**0.0015**	<0.0001	0.002	0.1	0.0001	0.001	10.5	0.009	<0.00001	<0.001	
		<0.0002	0.0008	0.119	<0.0001	<0.0005	0.07	0.00003	108	**0.0017**	0.0001	0.002	<0.1	0.0003	0.008	53	0.05	<0.00001	0.004	
		<0.0002	<0.001	0.069	<0.00004		0.033	<0.00007	67.7	0.0009	<0.00002	<0.001	0.05	**0.0016**	0.004	29.1	0.0116	<0.00001	0.00154	
		<0.0002	<0.0002	0.031	<0.00004		<0.005	<0.00007	15	**0.0013**	0.00029	0.002	**0.84**	0.0003	<0.001	4.36	0.058	0.00001	0.00019	
		<0.0002	<0.0002	0.037	<0.00004		0.011	<0.00007	27.9	0.0008	0.00009	0.002	0.26	0.0001	0.001	8.91	0.0119	<0.00001	0.00049	
		<0.0002	0.0005	0.05	<0.00004		0.016	<0.00008	45.1	0.0005	0.00009	0.001	0.18	0.0001	0.002	15.8	0.011	<0.00001	0.00049	
		<0.0002	0.0005	0.057	<0.00004		0.016	<0.00001	52.5	0.0009	0.00006	<0.001	0.12	<0.0001	0.002	19	0.0122	<0.00001	0.00088	
		<0.0002	0.0003	0.024	<0.00004		<0.005	<0.00001	23.5	0.0007	0.00007	0.002	0.17	<0.0001	<0.001	6.12	0.0029	<0.00001	0.00015	
		<0.0002	0.0004	0.03	<0.0001	<0.0005	0.008	0.00001	27.3	**0.0014**	<0.0001	**0.003**	0.17	<0.0001	0.001	8.6	0.015	<0.00001	<0.001	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W9	0.003	0.02	1.64	<0.02	12	<0.001	22.9	0.54				<0.001	<0.02	0.016	0.017	<0.001	0.022	<0.02	<0.05	
	0.002	<0.05	1.1	<0.02	4.8	<0.001	6.72	0.238	3.71		<0.01	0.003	0.06	0.002	<0.005	<0.001	<0.01	<0.02	<0.02	
	<0.02	<0.1	1.4	<0.06	7.06	<0.01	24.03	0.828			<0.06	0.004		<0.01	0.0097		<0.05	<0.05	<0.05	
	0.0018	<0.3	<2	<0.001	8.94	0.00001	11	0.294		<0.00005	<0.0001	<0.01	0.00061	0.003	0.005		0.018	0.0006	0.0008	
	<0.01	<0.1	<0.5	<0.03		<0.03	10	0.47	14.8		<0.02	<0.003		<0.003	<0.01	<0.003	<0.02	<0.015	<0.04	
	0.0008		0.5	<0.0002	8.31	<0.0001	9.8	0.347	5.9	<0.00005	<0.001	0.0012	<0.0005	0.0009	<0.001	<0.001	0.013	<0.0002	0.0006	
	0.0008		0.4	<0.0002	8.17	<0.0001	8.8	0.266	5.2	<0.00005	<0.001	<0.0005	<0.0005	0.0006	0.001	<0.001	0.018	<0.0002	0.0004	
	<0.0005		6.1	0.0006	16.6	<0.0001	100	2.77	61.7	<0.00005	<0.001	0.0039	0.0068	0.0014	0.011	<0.001	0.007	<0.0002	0.0014	
	0.0006		0.7	<0.0002	6.02	<0.0001	8.5	0.255	6.1	<0.00005	<0.001	0.007	<0.0005	0.0018	0.001	<0.001	0.02	<0.0002	0.0004	
	0.001		1.2	<0.0002	6.55	<0.0001	20.4	0.654	20.1	<0.00005	<0.001	0.0042	0.0016	0.0012	0.003	<0.001	0.006	<0.0002	0.0006	
	<0.001		1	<0.0004	6.46	<0.0002	20	0.612	16	<0.0001	<0.002	0.0021	0.002	0.001	<0.002	<0.002	0.01	<0.0002	0.0005	
	0.001		1.3	<0.0004	6.74	<0.0002	24.4	0.678	21.4	<0.0001	<0.002	0.012	0.002	0.002	0.01	<0.002	0.009	<0.0002	0.0004	
	<0.0005		1.3	<0.0002	6.21	<0.0001	23.2	0.843	23.3	<0.00005	<0.001	0.0014	0.0021	0.0006	0.002	<0.001	<0.005	<0.0002	0.0002	
	<0.0005		1.9	0.0002	6.05	<0.0001	27.5	0.963	23.7	<0.00005	<0.001	0.0015	0.0027	0.0007	0.004	<0.001	<0.005	<0.0002	0.0004	
	0.0022	<0.02	1	<0.0004	4.72	<0.0002	3.6	0.16	2.2	<0.0001	<0.002	0.0212	<0.001	0.0024	0.02	<0.002	0.038	<0.0002	0.0005	
	0.0011	<0.02	1.3	<0.0002	6.16	<0.0001	23	0.726	22.8	<0.00005	<0.001	0.0024	0.0028	0.0013	0.004	<0.001	0.016	<0.0002	0.0006	
	<0.0005	<0.02	0.6	<0.0002	6.23	<0.0001	13.3	0.45	10.6	<0.00005	<0.001	0.0052	0.0005	0.0014	0.006	<0.001	0.02	<0.0002	0.0005	
	0.0009	<0.02	0.8	<0.0002	7.39	<0.0001	16.6	0.583	13.2	<0.00005	<0.001	0.0028	0.001	0.0012	0.003	<0.001	0.006	<0.0002	0.0006	
	<0.0005	<0.02	0.8	<0.0002	6.98	<0.0001	16.5	0.55	12.3	<0.00005	<0.001	0.0036	0.001	0.0009	0.005	<0.001	0.023	0.0007	0.0005	
	0.002	<0.02	0.5	<0.0002	8.65	<0.0001	11.2	0.404	7.7	<0.00005	0.001	0.0033	<0.0005	0.0008	0.007	<0.001	0.05	0.0007	0.0003	
	0.001	<0.02	3.7	0.0009	8.04	0.00005	59.1	2.05	58.5	<0.00005	<0.001	0.0034	0.0056	0.0013	0.01	<0.001	<0.005	0.0007	0.0007	
	0.001	0.02	2.04	<0.0006	3.5	<0.001	31.9	1.21		<0.00001	<0.004	0.0008	0.0027	0.0003	0.004	<0.0001	<0.01	0.0008	0.0008	
	0.007	0.04	0.82	<0.0006	1.97	<0.0001	3.7	0.152		<0.00001	<0.0001	0.0074	<0.0005	0.00214	0.003	0.0003	0.016	0.0008	0.0004	
	<0.001	0.02	0.7	<0.0006	3.05	<0.00005	9.2	0.299		<0.00001	0.0001	0.0034	0.0004	0.00136	0.006	0.0004	0.01	0.0008	0.0002	
	0.001	0.02	0.77	<0.0006	7.12	<0.00001	17.2	0.57		<0.00001	<0.0001	0.0025	0.0009	0.0011	0.004	0.0003	0.01	0.0007	0.0006	
	<0.001	0.02	1.03	<0.0006	6.61	<0.00001	21.2	0.703		<0.00001	<0.0001	0.0015	0.0016	0.00094	0.002	0.0002	<0.01	0.0009	0.0005	
	<0.001	0.01	0.44	<0.0006	8.45	<0.00001	5.8	0.183		<0.00001	<0.0001	0.002	<0.0004	0.00096	0.009	0.0005	0.029	0.0004	0.0004	
	0.0008		0.5	<0.0002	6.89	0.00003	8.8	0.284	6.2	<0.00005	<0.001	0.0016	<0.0005	0.0008	0.004	<0.001	0.028	<0.0002	0.0005	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W9	0.064	<0.0002	<0.02		<0.0004	46.3	<0.001	0.003	<0.001	0.161	<0.005	<0.05	18.9	0.042		<0.004	0.003	<0.02		
	0.027	<0.0002	<0.02		<0.0005	20.1	<0.001	<0.001	0.022	0.098	<0.01	<0.002	6.3	0.021		<0.005	0.002	<0.05		
	0.066	<0.001		0.02	<0.002	54.3	0.012	<0.005	<0.0005	0.121	<0.00005		21.4	0.023		<0.01	<0.02	<0.1		
	0.0406	<0.0005	<0.0005	0.006	<0.00005	35.1	<0.0005	0.0001	0.0009	0.23	0.0009	<0.001	11.5	0.058		0.0005	0.0009	<0.3		
	0.042	<0.001	<0.02	0.012	<0.002	50.8	0.002	<0.003	<0.001	0.075	<0.001		12.2	0.008		<0.00005	<0.004	0.008		
	0.041	<0.0001	<0.0005	0.01	<0.00001	33.4	<0.0005	<0.0001	0.001	0.11	<0.0001	0.001	10.6	0.009		<0.001	<0.0005			
	0.031	<0.0001	<0.0005	0.006	<0.00001	31.5	<0.0005	<0.0001	<0.001	0.09	<0.0001	0.001	8.7	0.007		<0.001	0.0006			
	0.231	<0.0001	<0.0005	0.101	0.00007	150	0.0008	0.0001	0.001	0.09	0.0003	0.013	88.2	0.128		0.004	<0.0005			
	0.034	<0.0001	<0.0005	0.01	<0.00001	26.3	<0.0005	<0.0001	0.001	0.12	<0.0001	0.001	8.6	0.01		<0.001	0.0005			
	0.064	<0.0001	0.0008	0.022	<0.00001	50	<0.0005	<0.0001	<0.001	0.11	<0.0001	0.002	19.1	0.023		0.001	0.0006			
	0.058	<0.0001	<0.0005	0.021	<0.00001	48.2	<0.0005	<0.0001	<0.001	0.1	0.0001	0.002	18.5	0.018		0.001	<0.0005			
	0.054	<0.0001	<0.0005	0.021	<0.00001	53.9	0.0005	<0.0001	<0.001	0.11	0.0001	0.003	21.4	0.018		0.001	<0.0005			
	0.059	<0.0001	<0.0005	0.021	<0.00001	57.6	<0.0005	<0.0001	<0.001	0.08	<0.0001	0.002	23.1	0.021		<0.001	<0.0005			
	0.071	<0.0001	<0.0005	0.029	<0.00001	56.9	0.0007	<0.0001	<0.001	0.07	<0.0001	0.004	26.9	0.024		0.001	<0.0005			
	0.028	<0.0001	<0.0005	0.004	<0.00001	17.5	0.0008	<0.0001	0.002	0.24	0.0001	<0.001	4.7	0.024	<0.0001	<0.001	0.001			
	0.069	<0.0001	<0.0005	0.023	<0.00001	57.6	<0.0005	<0.0001	0.001	0.15	<0.0001	0.002	21.4	0.033	0.00002	0.001	<0.0005			
	0.043	<0.0001	<0.0005	0.016	<0.00001	36.6	<0.0005	<0.0001	0.002	0.11	0.0002	0.002	12.7	0.011	<0.00002	<0.001	<0.0005			
	0.054	<0.0001	<0.0005	0.018	<0.00001	44.6	0.0005	<0.0001	0.001	0.23	0.0001	0.002	16.3	0.025	<0.00002	<0.001	<0.0005			
	0.051	<0.0001	<0.0005	0.016	<0.00001	42.6	<0.0005	<0.0001	<0.001	0.17	<0.0001	0.003	16.6	0.018	<0.00002	<0.001	<0.0005			
	0.038	<0.0001	<0.0005	0.009	<0.00001	34.3	0.001	<0.0001	0.001	0.12	<0.0001	0.001	11.2	0.007	<0.00001	<0.001	0.0007			
	0.123	<0.0001	<0.0005	0.078	0.00002	113	0.0019	<0.0001	0.001	0.03	0.0001	0.008	57.1	0.05	<0.00001	0.003	<0.0005			
	0.074	<0.00004		0.032	<0.00008		0.0025	0.0001	<0.001	0.02	0.0018	0.004		0.0094	<0.00001	0.00173	0.001	0.02		
	0.024	<0.00004		0.004	<0.00008		<0.0006	0.00016	<0.001	0.336	<0.0001	<0.001		0.0427	<0.00001	0.00023	0.003	0.02		
	0.034	<0.00004		0.009	<0.00008		0.0016	0.00017	0.002	0.12	<0.0001	0.001		0.01	<0.00001	0.00055	<0.001	0.01		
	0.051	<0.00004		0.014	<0.00008		0.0005	0.00014	0.002	0.18	0.0006	0.002		0.0136	<0.00001	0.00078	0.001	<0.01		
	0.058	<0.00004		0.016	<0.00001		0.0007	0.00011	<0.001	0.1	<0.0001	0.002		0.0123	<0.00001	0.00107	<0.001	0.01		
	0.025	<0.00004		<0.004	<0.00001		0.0019	0.00006	0.002	0.13	<0.0001	<0.001		0.003	<0.00001	0.00028	<0.001	0.02		
	0.03	<0.0001	<0.0005	0.007	<0.00001	27.5	<0.0005	<0.0001	0.002	0.11	<0.0001	0.001	8.4	<0.005	<0.00001	<0.001	0.0005			

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
W9	1.41	<0.02	11.6	<0.001	22.7	0.53				<0.001	<0.02	0.011	0.008	<0.001						<0.01	<0.01	
	1.1	<0.02	4.6	<0.001	6.72	0.222	3.6		<0.01	0.002	<0.06	<0.002	<0.005	<0.001						<0.01	<0.01	
	1.3	<0.05	6.92	<0.01	23	0.796			<0.05	<0.002		<0.01	<0.002									
	<2	<0.001	8.6	<0.00001	12	0.304		<0.00005	<0.0001	<0.01	0.00054	<0.001	0.001									
	<0.04	<0.4	<0.03	<0.01	10.8	0.501	16.1		<0.02	<0.003		<0.003	<0.002	<0.003								
	<0.4	<0.0002	9.17	<0.0001	9.1	0.373	6.1	<0.00005	<0.001	0.0009	<0.0005	0.0008	<0.001		<0.02	101						
	<0.4	<0.0002	8.8	<0.0001	9.2	0.271	5.6	<0.00005	<0.001	0.001	<0.0005	0.0007	<0.001		<0.02	114						
	5.8	0.0009	18.6	<0.0001	99.7	2.72	60.1	<0.00005	<0.001	0.0041	0.0066	0.0019	0.011		0.3							
	0.8	<0.0002	6.1	<0.0001	8.9	0.277	6.6	<0.00005	<0.001	0.001	<0.0005	0.0016	0.002		0.03							
	1.1	0.0002	7.1	<0.0001	19.8	0.665	20.4	<0.00005	<0.001	0.0015	0.0016	0.001	0.002		<0.02							
	1	<0.0002	6.82	<0.0001	19.9	0.629	15.8	<0.00005	<0.001	<0.0005	0.0015	0.001	0.005		<0.02							
	1.2	<0.0002	6.17	<0.0001	24.8	0.698	20.1	<0.00005	<0.001	0.0015	0.0017	0.0012	0.003		<0.02							
	1.3	<0.0002	6.05	<0.0001	24.6	0.752	23.9	<0.00005	<0.001	0.0014	0.0015	0.0007	<0.001		<0.02							
	2.1	<0.0002	6.13	<0.0001	29.6	0.913	24.2	<0.00005	<0.001	0.0019	0.0025	0.0015	<0.001		<0.02							
	1	<0.0002	3.53	<0.0001	3.9	0.15	2.2	<0.00005	<0.001	0.0009	<0.0005	0.0016	0.005		0.02							
	1.5	<0.0002	5.96	<0.0001	24	0.702	23.9	<0.00005	<0.001	0.0026	0.0026	0.0016	0.004		0.03							
	0.7	<0.0002	7.34	<0.0001	13.9	0.465	11.6	<0.00005	<0.001	0.0015	0.0005	0.0011	0.005		0.02							
	0.7	<0.0002	7.5	<0.0001	16.7	0.559	13.2	<0.00005	<0.001	0.0016	0.0009	0.0015	0.003		<0.02							
	0.8	<0.0002	7.17	<0.0001	17.2	0.576	13	<0.00005	<0.001	0.0023	0.0011	0.0009	0.002		<0.02							
	0.5	<0.0002	8.48	<0.0001	11.6	0.372	8.1	<0.00005	<0.001	0.004	<0.0005	0.0008	0.003		<0.02							
	3.9	0.0002	11.4	<0.00001	62.8	2.12	62	<0.00005	<0.001	0.004	0.0053	0.0024	0.008		0.3							
		<0.0006		<0.0001		1.39		<0.00001	<0.0001	0.0008	0.0026	0.00098	0.002	0.0001	0.04		<0.0001	<0.0001	0.0002	<0.0001		
	0.85	<0.0006	1.83	<0.00001	3.83	0.164		<0.00001	<0.0001	0.0008	<0.0006	0.00114	0.001	0.0002	<0.01	120	<0.0001	0.0003	<0.0001	<0.0001		
	0.75	<0.0006	3.16	<0.00001	9.9	0.305		<0.00001	<0.0001	0.001	0.0004	0.00151	0.003	0.0004	<0.01		0.0003	0.0002	<0.0001	<0.0001		
	0.78	<0.0006	7.02	<0.00001	16.7	0.548		<0.00001	<0.0001	0.0012	0.0009	0.00097	0.004	0.0003	<0.01		<0.0001	<0.0001	0.0012	0.0002		
	1.08	0.0006	6.96	<0.00001	21.3	0.708		0.00005	0.0007	0.001	0.0014	0.00092	0.002	0.0001	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.44	<0.0006	8.4	<0.00001	6.1	0.184		<0.00001	<0.0001	0.0012	<0.0004	0.00101	0.002	0.0004	<0.01		<0.0001	<0.0001	<0.0001	0.0002		
	0.4	<0.0002	8.28	<0.00001	9.2	0.277	6	<0.00005	<0.001	0.0014	<0.0005	0.0008	0.004		<0.01							

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
W9																					
																				20	
																				21.8	
																				20.7	

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP (f
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		21-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.0681		24	130	89.8	6	7.28	7.8	179.6		135	-1.3	9.16	68.4		65.2
		12-Jul-2009		0.003		<1	290		0.3	7.57	8.1	303.2		448	7.9	6.92	58.4	150.7	167
		09-Sep-2009		0.008		2	290		0.6	7.89	8.2	297.9		463	5	9.98	77.9	104.7	220
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			<1	290		0.2	7.67	8	274.7		502	0.0	2.44	16.8	38.7	215
		12-May-2010	Considerable ice build-up blocking culvert. Water flowing over roadbed just south of culvert. Erosion has rendered road impassable by regular vehicle.	0.066		3	84		0.6	7.55	7.8	75.2		152	0.1	10.03	75.6	80.7	74
		11-Jun-2010		0.005		<1	290		0.5	7.4	8.1	285		468	4.1	5.12	39.2	358.6	191
		17-Aug-2010		0.006		<1	210		0.3	7.68	8.19	209.8		308	9.1	7.4	70.9	22.3	143
		20-Oct-2010		0.007		<1	230		0.3	7.4	7.94	164.8		311	-0.1	13.5	95	332.3	151
		31-May-2011	No distinct channel, not condusive to flow measurements or an estimation			1	130		0.4	7.78	7.63	117		185	5.9	9.41	77		81.4
		29-Jun-2011	Flow widely dispered thoughtout willows, wetland. No flows taken			<1	150		0.3	7.67	7.81	117		176	7.3	8.49	79.1	-65	86.4
		07-Sep-2011	Moderate flows, nothing of note.	0.022		<1	180		0.2	7.42	8.08		229.5	238	4.2	10.36	80.9	170.1	111
		28-Oct-2011				<1	250		0.2	7.62	8.08		856.89	424	0.2				177
		25-May-2012	Meandering/braided thru willows. Galcial ice on S bank ~20cm thick. Unable to complete stream gauging. Ion Balance Non-Calculable			1.6	128			7.82	7.96		158.2	164	4.1	11.6	90	267.5	78
		09-Aug-2012	Flood stage very difficult to gauge here, suggest gauging at culvert in future. Recent precipitation, raining all previous day >30mm.			1.2	214			7.73	8.13		303.4	291	7.6	11.04	92.4	61.4	139

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	67.2	62	75	<0.5	<0.5	<0.5	100	1.6		0.0006		0.0011	<0.5	<0.005	<0.005	<0.02	0.51	0.51	0.013	<0.005		11.5	20.7	21.6	**0.15**
	210	190	230	<0.5	<0.5	<0.5		1.9		<0.0005		<0.0005	51	0.014	<0.005	<0.02			0.016	0.008			9	9.4	0.0286
	219	200	240	<0.5	<0.5	<0.5		3.1		<0.0005		<0.0005	47	<0.005	<0.005	0.05			0.007	<0.005			8.1	8.5	0.0418
	229	210	260	<0.5	<0.5	<0.5		1.2		<0.0005		<0.0005	58	<0.005	<0.005	<0.02			0.01	<0.005			6.5	7	0.0055
	74.3	67	82	<0.5	<0.5	<0.5	100	0.9		0.0007		0.0006	1.9	<0.01	0.005	<0.02	0.72	0.72	0.008	<0.005		13.3	21	23.1	0.0434
	209	180	210	<0.5	<0.5	<0.5	15	1.5		0.0006		0.0006	56	<0.01	<0.005	<0.02	0.26	0.26	0.008	0.005		39.5	3.8	5.5	0.0107
	146	140	170	<0.5	<0.5	<0.5	60	0.8				0.0006	30	0.17	<0.005	<0.02	0.37	0.37	0.008	<0.005		<0.5	17.1	18.9	0.0195
	155	140	170	<0.5	<0.5	<0.5	30	0.6		<0.0005		<0.0005	29	0.027	<0.005	<0.02	0.35	0.35	0.011	0.007		31.9	12.9	13.3	0.0177
	85.2	82	99	<0.5	<0.5	<0.5	100	0.8		0.0019		0.0014	12	0.007	<0.005	<0.02	0.58	0.58	0.009	<0.005		21.2	19.2	20.6	0.0222
	80.6	82	100	<0.5	<0.5	<0.5	60	1		0.0018		0.0014	5.1	0.03	<0.005	<0.02	0.47	0.47	0.009	0.007		18.6	22.2	23.2	**0.182**
	104	110	130	<0.5	<0.5	<0.5	50	1.6		<0.005		<0.005	14	0.009	<0.005	0.04	0.24	0.2	0.01	0.013		24.9	21.3	20.1	0.0232
	188	170	200	<0.5	<0.5	<0.5	20	1.3		<0.0005		<0.0005	38.4	0.01	<0.005	0.14	0.13	<0.02	0.014	0.012		43.1	8.5	8.9	0.0097
	75.3	74.4	90.7	<0.50	<0.50	<0.50		1.1	0.16				7.22	0.023	<0.050	<0.20							15.4	17.1	0.0324
	137	138	168	<0.50	<0.50	<0.50		0.86	0.25				15.8	0.013	<0.050	<0.20							16	16.8	0.0172

Station	n c Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00004	0.00053	0.0284	0.00002	<0.000005	<0.05	0.000011	17.1	0.0003	0.0002	**0.00205**	**0.418**	0.00023	0.0007	5.46	0.0299	<0.00001	0.00033		
	0.00005	0.00038	0.0366	<0.00001	<0.000005	<0.05	0.000005	50.6	<0.0001	0.000054	0.00238	0.119	0.000025	0.0016	9.93	0.00736	<0.00001	0.00068		
	0.00003	0.00053	0.0548	<0.00001	<0.000005	<0.05	0.000013	56.3	0.0005	0.000066	0.00064	0.221	0.000213	0.003	19.2	0.025	<0.00001	0.00093		
	0.00003	0.00034	0.0535	<0.00001	<0.000005	<0.05	0.00001	52.9	<0.0001	0.00004	0.00088	0.1	0.000053	0.0025	20	0.0265	<0.00001	0.00088		
	0.00004	0.00039	0.0258	0.00001	<0.000005	<0.05	0.000014	19.7	0.0001	0.000072	0.00161	0.197	0.000053	0.0009	6.04	0.0218	<0.00001	0.00031		
	0.00004	0.00038	0.0556	<0.00001	<0.000005	<0.05	<0.000005	44.7	0.0002	0.000042	0.00047	0.118	0.000024	0.0026	19.2	0.0228		0.00117		
	0.00005	0.00063	0.0439	0.00001	<0.000005	<0.05	0.000006	35.9	0.0003	0.000052	0.00118	0.147	0.000053	0.0018	12.9	0.00997	<0.00001	0.00058		
	0.00003	0.00038	0.0403	<0.00001	<0.000005	<0.05	0.000013	38.1	0.0002	0.000037	0.00079	0.1	0.000034	0.0016	13.5	0.00793	<0.00001	0.00053		
	0.00004	0.0004	0.0294	<0.00001	<0.000005	<0.05	0.000021	22	0.0002	0.000045	0.00133	0.113	0.000117	0.0009	6.41	0.00533	<0.00001	0.00039		
	0.00005	0.00068	0.0355	0.00002	<0.000005	<0.05	0.000032	23.4	0.0005	0.000266	**0.0024**	**0.638**	0.000348	0.001	6.83	0.0654	<0.00001	0.00042		
	0.00004	0.00053	0.0365	<0.00001	<0.000005	<0.05	0.000024	30.4	0.0002	0.000044	0.00119	0.132	0.000355	0.0011	8.56	0.00904	<0.00001	0.00026		
	0.00003	0.00034	0.0506	<0.00001	<0.000005	<0.05	0.000007	44.3	0.0001	0.000038	0.00043	0.098	0.000013	0.0021	16.2	0.0171	<0.00001	0.00058		
	0.000022	0.000391	0.0274	<0.000010	<0.0000050	<0.050	0.000118	21.2	0.00016	0.0000652	0.00123	0.145	0.0000494	0.00074	6.1	0.00969	<0.000010	0.000299		
	0.000036	0.000497	0.0416	<0.000010	<0.0000050	<0.050	<0.0000050	36.7	0.00043	0.000057	0.00117	0.147	0.000058	0.00136	11.4	0.0122	<0.000010	0.000362		

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00101	0.032	0.55	0.00006	4.5	<0.000005	4.29	0.162	<3	<0.000002	<0.00001	0.0059	0.000192	0.0016	0.0024	0.0003	0.037	0.00004	0.00048	
	0.00067	0.007	0.8	0.00009	6.87	<0.000005	7.81	0.442	16	<0.000002	<0.00001	0.0006	0.0015	0.0006	0.0004	0.0002	0.0143	0.00004	0.00059	
	0.00041	0.029	1.16	0.0001	7.3	<0.000005	20.3	0.664	20	<0.000002	<0.00001	0.0017	0.00143	0.0004	0.0069	0.0001	0.0133	0.00004	0.00052	
	0.00036	0.013	1.02	0.0001	6.2	<0.000005	20.9	0.708	20	<0.000002	<0.00001	<0.0005	0.00151	0.0003	0.0015	<0.0001	0.006	0.00004	0.00033	
	0.00071	0.019	0.61	0.00007	4.78	<0.000005	5.49	0.205	<10	<0.000002	<0.00001	0.0009	0.000214	0.0006	0.0013	0.0002	0.0314	0.00003	0.00037	
	0.00034		1.26	0.0001	5.5	<0.000005	20.6	0.641	19	<0.000002	0.00002	0.0008	0.00191	0.0008	0.0028	<0.0001	0.0103	0.00004	0.00048	
	0.00078	0.021	0.66	0.0001	8.24	<0.000005	12.7	0.411	11	<0.000002	0.00002	0.0007	0.000542	0.0009	0.0018	0.0002	0.0182	0.00003	0.00054	
	0.00051	0.012	0.68	0.0001	8.73	<0.000005	12.9	0.415	13	<0.000002	<0.00001	<0.0005	0.000758	0.0003	0.0021	0.0002	0.0152	0.00003	0.00041	
	0.00072		0.51	0.00006	6.61	<0.000005	5.87	0.22	<10	<0.000002	<0.00001	0.0005	0.000201	0.0005	0.0019	0.0002	0.0195	0.00004	0.00039	
	0.00134		0.29	0.00008	8.74	<0.000005	5.87	0.218	<10	0.000002	0.00007	0.0069	0.000209	0.0015	0.0064	0.0004	0.024	0.00004	0.00041	
	0.00087	0.013	0.5	0.00006	8.79	<0.000005	7.81	0.26	<10	<0.000002	0.00004	0.0006	0.000368	0.0004	0.0026	0.0002	0.0281	0.00005	0.00052	
	0.00032	0.013	0.9	0.00011	7	<0.000005	16.9	0.527	15	<0.000002	<0.00001	<0.0005	0.00123	0.0003	0.0006	<0.0001	0.01	0.00003	0.00036	
	0.00139	0.0125	0.591	0.00008	5.68	<0.0000050	5.47	0.185	<10	<0.0000020	<0.00020	0.00107	0.000191	0.00058	0.0021	0.00019	0.0191	0.00003	0.000371	
	0.00131	0.0129	0.566	0.00008	8.39	0.000006	10.9	0.372	<10	<0.0000020	0.00027	0.00076	0.000496	0.00051	0.00204	0.00019	0.0131	0.000034	0.000492	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0247	<0.00001	<0.000005	<0.05	<0.000005	18.1	0.0002	0.000095	0.00148	0.214	0.000079	0.0007	5.34	0.0261	<0.00001	0.00032	0.00076	0.015		
	0.0581	<0.00001	<0.000005	<0.05	<0.000005	55.1	<0.0001	0.00005	0.00076	0.152	0.000026	0.0022	17.5	0.0261	<0.00001	0.00084	0.0005	0.016		
	0.0516	<0.00001	<0.000005	<0.05	0.000032	56.2	0.0014	0.000038	0.00079	0.127	0.000212	0.0028	19	0.0168	<0.00001	0.00098	0.00046	0.03		
	0.0555	<0.00001	<0.000005	<0.05	0.000009	56.5	<0.0001	0.000037	0.00043	0.1	0.000035	0.0027	21.4	0.0278	<0.00001	0.00091	0.00032	0.014		
	0.0252	<0.00001	<0.000005	<0.05	<0.000005	19.6	<0.0001	0.000075	0.00147	0.147	0.000025	0.0008	6.13	0.0206	<0.00001	0.00031	0.00073	0.011		
	0.0567	<0.00001	<0.000005	<0.05	0.000014	50.4	0.0001	0.00005	0.00054	0.12	0.000089	0.0024	20.1	0.023		0.00119	0.00036			
	0.0441	<0.00001	<0.000005	<0.05	<0.000005	37.3	0.0002	0.000041	0.00111	0.138	0.000021	0.0017	12.9	0.00898	<0.00001	0.00053	0.00067	0.014		
	0.04	<0.00001	<0.000005	<0.05	0.000008	39.4	0.0002	0.000037	0.00073	0.094	0.00002	0.0016	13.7	0.00768	<0.00001	0.0005	0.00052	0.015		
	0.0298	<0.00001	<0.000005	<0.05	0.00002	22.7	0.0002	0.000044	0.00137	0.1	0.000033	0.0009	6.92	0.00485		0.00037	0.00073			
	0.0289	<0.00001	<0.000005	<0.05	0.000008	22	0.0002	0.00004	0.00153	0.108	0.000083	0.0009	6.27	0.00372		0.00029	0.00081			
	0.0358	<0.00001	<0.000005	<0.05	0.000056	28.5	0.0002	0.000054	0.00196	0.129	0.000414	0.0011	8.06	0.00988	<0.00001	0.00026	0.00108	0.015		
	0.0515	<0.00001	<0.000005	<0.05	0.000089	46.8	0.0001	0.000044	0.00064	0.094	0.000124	0.0021	17.3	0.0176	<0.00001	0.00058	0.00054	0.012		
	0.0274	<0.000010	<0.0000050	<0.050	0.0000262	19.9	0.00018	0.0000477	0.00113	0.09	0.0000532	0.00086	6.22	0.00719	<0.000010	0.000307	0.000801	0.0087		
	0.0432	<0.000010	<0.0000050	<0.050	<0.0000050	36.5	0.00019	0.000045	0.00109	0.109	0.000031	0.00139	11.3	0.00996	<0.000010	0.000389	0.00073	0.0104		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.58	0.00007	4.7	<0.000005	4.35	0.165	<3	<0.000002	<0.00001	0.0008	0.000147	0.001	0.0016	0.0003	<0.02	NC	<0.00002	<0.00002	0.000013	0.000023		
	0.94	0.00009	6.51	<0.000005	18.5	0.6	19	<0.000002	<0.00001	<0.0005	0.00134	0.0009	0.0045	0.0002	<0.02	100	<0.00002	<0.00002	0.000011	0.000017		
	1.16	0.00009	6.9	<0.000005	20.8	0.658	21	<0.000002	0.00001	0.0006	0.00141	0.0003	0.0085	0.0001	0.05	110	<0.00002	<0.00002	0.000015	0.000018		
	1.1	0.00011	7.3	<0.000005	22.5	0.717	22	<0.000002	<0.00001	0.0006	0.00153	0.0003	0.0015	<0.0001	<0.02	100	<0.00002	<0.00002	0.000012	0.000009		
	0.59	0.00007	4.52	<0.000005	5.39	0.207	<10	<0.000002	<0.00001	<0.0005	0.000205	0.0005	0.001	0.0002	<0.02		<0.00002	<0.00002	0.00001	0.000013		
	1.36	0.00012	6.48	<0.000005	21.7	0.673	22	<0.000002	<0.00001	0.0008	0.00199	0.0008	0.0038	<0.0001	<0.02							
	0.63	0.00009	8.45	<0.000005	12.4	0.419	<10	<0.000002	<0.00001	<0.0005	0.000606	0.0006	0.0019	0.0003	<0.02		<0.00002	<0.00002	0.000011	0.000012		
	0.69	0.00009	9.18	<0.000005	13.4	0.414	12	<0.000002	<0.00001	<0.0005	0.000787	0.0002	0.0016	0.0002	<0.02		<0.00002	<0.00002	0.000009	0.00001		
	0.54	0.00007	6.38	<0.000005	6.25	0.223	<10	<0.000002	<0.00001	0.0005	0.000194	0.0005	0.0015	0.0002	<0.02							
	0.22	0.00007	8.3	<0.000005	5.36	0.207	<10	<0.000002	<0.00001	0.0007	0.000156	0.0006	0.0015	0.0003	<0.02							
	0.59	0.0001	8.21	<0.000005	7.34	0.257	<10	<0.000002	0.00002	0.0006	0.000356	0.0004	0.0055	0.0002	0.04	NC	<0.00002	<0.00002	0.00001	0.000011		
	0.94	0.00013	7.3	<0.000005	18.1	0.557	15	<0.000002	0.00002	<0.0005	0.00135	0.0004	0.0027	<0.0001	0.14	110	<0.00002	<0.00002	<0.000005	<0.000005		
	0.597	0.000057	5.33	<0.0000050	5.54	0.184	<10	<0.0000020	<0.00020	<0.00050	0.000184	0.00054	0.00187	0.00017	<0.20							
	0.61	0.000042	8.19	<0.0000050	10.5	0.37	<10	<0.0000020	0.00062	0.00065	0.000532	0.00047	0.0011	0.00021	<0.20	100						

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
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Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		03-Oct-2012		0.0116		<1.0	200			7.4	8.27		302	269	0.10	12.86	88.6	86.3	124
W10	Williams Creek u/s of Yukon River	Aug-91	No in situ parameters measured. Incomplete dissolved metals.						2		8.1			188					
		Dec-91	No in situ parameters measured. Incomplete dissolved metals.						1		8.1			204					
		May-92	No in situ parameters measured. Incomplete dissolved metals.						7		7.6			97					
		Jul-92	No in situ parameters measured. Incomplete dissolved metals.						6		8			140					
		Oct-92	No in situ parameters measured. Incomplete dissolved metals.						<1		7.7			355					
		Aug-94	Incomplete dissolved metals.						0.2	8.08	8.13	240.97		386	4.54				
		Oct-99	No in situ parameters measured. Incomplete dissolved metals.																
		01-Oct-2005	In situ para.: pH and conductivity only				140			8.5	8.08	220		257					
		31-Mar-2006				<2			0.6	6.6	7.29	247		320					
		07-Jun-2006		0.1084		4		757	1.6	7.2		375		280	4	9.30		158	
		12-Jul-2006		0.0574		<2		345	0.6	8.65		720		366		6.74		74	
		16-Aug-2006		0.0479		4		191	0.8	7.96		386		397	6.2	7.89			
		14-Sep-2006		0.0216		<2		217	0.5	8.37		433		415	4.1	9.35			
		17-Oct-2006	Discharge not measuresd-Ice			<1	293	234	0.1	8.07	8.21	468		441	1.0	10.22		69.0	
		19-Apr-2007	Discharge not measured; overflow			<2	320	214	0.3	7.43	8.01	427		383	0.0				
		10-May-2007		0.7437		41	150	71.3	3	6.62	7.69	142.2		124	-0.5	6.65			
		21-Jun-2007	Site Access Flooded, not sampled																
		25-Jul-2007		0.0697		18	298	216.0	10	8.2	7.99	428.0		399	4.5	8.52			
		14-Aug-2007		0.0165		<2	304	222	0.2	7.2	8.16	441		429	6.5	8.64	92.3		
		13-Sep-2007		0.0548		3	290		0.4	8.3	8.11			332	1.5	10.85	90.2		
		12-Oct-2007	Site Inaccessible																
		06-Mar-2008	No Water	0															

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	125	125	152	<0.50	<0.50	<0.50		0.86	0.19				15.4	0.01	<0.050	<0.20							15.9	15.4	0.0145
	108	103											15.5	<0.05	<0.003	<0.1									<0.005
	183	166											12.2	0.05	<0.5	0.08			0.015						<0.005
	62.5	59											4.9	<0.05	<0.03	<0.05			0.014						**0.389**
	102.2	94											9.5	<0.05	<1	<0.1			0.04						**0.463**
	170	144											34.8	<0.05	<2.0	<0.2			0.025						0.043
	187	156						1.64	0.44				50	0.004	0.045	<0.005			0.005						<0.06
	156																								<0.06
	130	111	135	<6	<5	<5		0.9					22	<0.05	<0.005	0.01		0.5	0.1	0.08					**0.194**
	155													<0.05				0.26	<0.1	0.1			6.4		0.019
	142													<0.05				0.45	<0.1	0.13		22.5	15.1	14.2	**0.132**
	184													<0.05				0.27	<0.1	0.09		36.4	12.2	12.2	0.04
	192													<0.05				0.31	<0.1	0.05		37.9	11.1	11.6	**0.673**
	210													<0.05				0.22	<0.05	0.06		38.9	7.8	8.2	<0.01
	218	168	205	<6		<5	17	2.2						<0.05	<0.005	0.04		0.2	0.09	0.04		40.9	8	8.3	0.007
	191	136	166	<6		<5	>60	3.6					60	<0.05	<0.05	<0.1		0.74	0.08	0.07	0.07	32	22.1	22.6	0.026
W10	71	53	65	<6		<5	>60	0.5					10.2	<0.05	<0.05	<0.1		3.02	0.09	0.04		11.9	36.4	36.8	**1.08**
	204	158	193	<6		<5	30	1.6					66	<0.05	<0.05	<0.1		0.38	0.06	0.08		36	9.8	10.2	**0.684**
	206	167	204	<6		<5	26	2.1					66	<0.05	<0.05	0.3		0.25	<0.05	0.06		45.3	8.8	8.6	**0.124**
	176	171	208	<6		<5	36	1.7					48.2	<0.05	<0.02	<0.02		0.28	<0.05	0.07		33.2	9.6	10.2	0.078

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.000035	0.000433	0.0325	<0.000010	<0.0000050	<0.050	0.000008	33.2	0.00018	0.000048	0.000794	0.0938	0.000041	0.001	10	0.00615	<0.000010	0.000322	
W10	<0.05	<0.05	0.026	<0.0005	<0.01		<0.0003	32.1	**0.009**	<0.001	<0.001	0.163	<0.004	<0.06	6.79	0.004		<0.005	
	<0.05	**0.08**	0.146	<0.0005	<0.01		<0.0003	59	**0.004**	0.002	<0.001	0.07	<0.004	<0.05	8.61	0.034		<0.003	
	<0.02	<0.04	0.026	<0.0002	<0.02		<0.0003	16.3	<0.001	<0.001	0.001	**0.454**	<0.004	<0.05	4.53	0.024		<0.003	
	<0.02	<0.04	0.034	<0.0002	<0.02		<0.0003	29.9	<0.001	<0.001	**0.005**	**0.824**	<0.004	<0.05	6.71	0.027		<0.003	
	<0.02	<0.05	0.055	<0.0002	<0.02		<0.0004	47.9	<0.001	0.002	**0.005**	0.257	<0.005	<0.05	12	0.018		<0.004	
	<0.06	<0.06	0.05	<0.001		0.02	<0.006	56.9	<0.006	<0.006	<0.006	0.026	<0.06		13.9	0.004		<0.01	
	<0.02	<0.04	0.041	<0.0002	<0.02	<0.04	<0.002	38.2	<0.002	<0.004	<0.003	0.1	<0.03		14.6	0.014	<0.00005	<0.005	
	<0.0002	0.0004	0.034	<0.0001	<0.0005	0.008	<0.00001	37.6	0.0008	0.0001	0.002	**0.4**	0.0002	0.002	7.9	0.039		0.001	
	<0.0002	0.0005	0.053	<0.0001	<0.0005	0.014	0.00001	45.7	<0.0005	0.0001	0.002	0.2	0.0002	0.002	10.2	0.1		0.001	
	<0.0002	0.0005	0.039	<0.0001	<0.0005	0.014	<0.00001	39.5	<0.0005	0.0001	0.002	0.2	0.0001	0.002	9	0.01		0.001	
	<0.0002	0.0004	0.044	<0.0001	<0.0005	0.016	<0.00001	55.1	<0.0005	<0.0001	0.002	0.1	<0.0001	0.002	11.6	0.005		0.001	
	<0.0004	0.0006	0.058	<0.0002	<0.001	0.01	0.00003	53.4	0.001	0.0005	**0.004**	**1.2**	0.0004	0.002	12	0.1		<0.002	
	<0.0004	0.0004	0.049	<0.0002	<0.001	0.025	<0.00002	56.6	<0.001	<0.0002	<0.002	<0.2	<0.0002	0.002	14	<0.01		<0.002	
	<0.0002	0.0003	0.05	<0.0001	<0.0005	0.024	<0.00001	60.7	<0.0005	<0.0001	0.002	<0.1	<0.0001	0.003	16.2	<0.005		0.002	
	<0.0002	0.0004	0.052	<0.0001	<0.0005	0.012	0.00005	52.6	<0.0005	<0.0001	0.003	<0.1	0.0003	0.002	15	0.023		0.001	
	<0.0004	0.0007	0.04	<0.0002	<0.001	0.009	0.00002	22	**0.002**	0.0006	**0.004**	**1**	0.0004	<0.002	5.2	0.089	<0.0001	<0.002	
	<0.0002	0.0003	0.059	<0.0001	<0.0005	0.023	0.00003	53.6	**0.0014**	0.0002	**0.004**	**0.7**	0.0005	0.003	13.5	0.02	<0.00002	0.003	
	<0.0002	0.0005	0.053	<0.0001	<0.0005	0.022	<0.00001	57.5	<0.0005	0.0001	0.002	0.1	0.0001	0.003	14.2	0.005	<0.00002	0.002	
	<0.0002	0.0006	0.046	<0.0001	<0.0005	0.016	0.00002	49.1	<0.0005	<0.0001	0.002	0.1	<0.0001	0.002	11.8	<0.005	<0.00002	0.002	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.000665	0.0093	0.477	<0.000040	8.62	<0.0000050	9.51	0.269	<10	<0.0000020	<0.00020	0.00061	0.000454	0.00044	0.00464	0.00021	0.0155	0.000035	0.000384	
	0.006	<0.02	0.41	<0.01	13.2	<0.001	7.77	0.24				0.002	<0.02	0.0021	0.003	<0.001	<0.005	<0.05	<0.05	
	0.004	<0.02	1.24	<0.01	1.4	<0.001	2.57	0.166				0.001	<0.02	<0.0005	**0.195**	<0.001	<0.005	<0.05	0.06	
	<0.001	0.02	1.4	<0.02	6.18	<0.001	3.49	0.132				0.017	<0.02	<0.001	0.007	<0.001	0.08	<0.02	<0.04	
	0.006	0.04	0.62	<0.02	12.2	<0.001	6.02	0.29				0.02	<0.02	<0.001	0.01	<0.001	0.042	<0.02	<0.04	
	0.003	0.03	1.3	<0.02	10	<0.001	11.1	0.47				<0.001	<0.02	0.01	0.008	<0.001	0.043	<0.02	<0.05	
	<0.02	<0.1	1	<0.06	7.46	<0.01	10	0.665			<0.06	<0.002		<0.01	0.003		<0.05	<0.05	<0.05	
	<0.01	<0.1	<0.5	<0.03		<0.03	15.8	0.434	11.2		<0.02	<0.003		<0.003	<0.01	<0.003	<0.02	<0.015	<0.015	
	0.0011		0.6	<0.0002	8.37	<0.0001	8	0.325	6.9	<0.00005	<0.001	<0.0005	0.0007	0.0012	0.001	<0.001	0.024	<0.0002	0.0004	
	0.0007		1.1	<0.0002	6.36	<0.0001	7.9	0.411	10.7	<0.00005	<0.001	0.0013	0.0006	0.0004	0.002	<0.001	0.011	<0.0002	0.0005	
	0.0006		0.8	<0.0002	6.11	<0.0001	8.2	0.342	11.5	<0.00005	<0.001	0.0059	0.001	0.0012	0.002	<0.001	0.018	<0.0002	0.0004	
	0.0007		1	<0.0002	6.82	<0.0001	9.9	0.55	17.8	<0.00005	<0.001	0.0024	0.0017	0.0007	0.002	<0.001	0.008	<0.0002	0.0005	
	0.001		1.1	<0.0004	8.61	<0.0002	10	0.481	17	<0.0001	<0.002	0.0352	0.002	0.0029	0.004	<0.002	0.012	<0.0002	0.0004	
	<0.001		1.2	<0.0004	6.33	<0.0002	11	0.591	20.1	<0.0001	<0.002	0.001	0.0021	0.0006	0.003	<0.002	0.044	<0.0002	0.0004	
	0.0006		1.2	<0.0002	6.86	<0.0001	10.4	0.745	22.5	<0.00005	<0.001	0.0012	0.0027	0.0006	0.002	<0.001	<0.005	<0.0002	0.0002	
	0.0008		2.8	<0.0002	7.05	<0.0001	11.7	0.528	22.2	<0.00005	<0.001	0.0021	0.0014	0.0005	0.009	<0.001	0.011	<0.0002	0.0005	
W10	0.0028	<0.02	1	<0.0004	5.78	<0.0002	3.7	0.17	3.6	<0.0001	<0.002	0.0393	<0.001	0.0034	0.02	<0.002	0.061	<0.0002	0.0004	
	<0.0005	<0.02	1.3	<0.0002	7.34	<0.0001	12.5	0.703	20.9	<0.00005	<0.001	0.0398	0.0016	0.0028	0.011	<0.001	0.015	<0.0002	0.0004	
	0.0008	<0.02	1.2	<0.0002	6.94	<0.0001	11.9	0.684	22	<0.00005	<0.001	0.022	0.0022	0.0012	0.003	<0.001	<0.005	<0.0002	0.0004	
	0.0006	<0.02	1.2	<0.0002	5.87	<0.0001	10.8	0.541	15.8	<0.00005	<0.001	0.0043	0.0016	0.0008	0.006	<0.001	0.014	0.001	0.0005	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.0324	<0.000010	<0.0000050	<0.050	<0.0000050	33.6	0.00016	0.000044	0.000804	0.091	0.000047	0.00094	10.1	0.00622	<0.000010	0.000326	0.000607	0.0096		
	0.026	<0.0005	<0.01		<0.0003	31	<0.001	<0.001	<0.001											
	0.038	<0.0005	<0.01		<0.0003	57.1	0.004	<0.001	<0.001											
	0.017	<0.0002	<0.02		<0.0003	15.8	<0.001	<0.001	<0.001											
	0.03	<0.0002	<0.02		<0.0003	29.5	<0.001	<0.001	<0.001											
	0.054	<0.0002	<0.02		<0.0004	43.5	<0.001	<0.001	0.005											
	0.047	<0.001		0.01	<0.005	52.7	<0.005	<0.005	<0.005											
	0.043	<0.001	<0.02	0.01	<0.002	42	<0.002	<0.003	<0.001											
	0.034	<0.0001	<0.0005	0.008	<0.00001	37.2	<0.0005	<0.0001	0.001	0.15	<0.0001	0.001	8.3	0.014		0.001	0.0008			
	0.053	<0.0001	<0.0005	0.013	0.00002	44.3	<0.0005	0.0001	<0.001	0.19	<0.0001	0.002	10.8	0.101		0.001	<0.0005			
	0.035	<0.0001	<0.0005	0.012	<0.00001	41.1	<0.0005	<0.0001	0.002	0.11	<0.0001	0.001	9.6	<0.005		0.002	<0.0005			
	0.042	<0.0001	0.0008	0.017	0.00001	52.6	<0.0005	<0.0001	0.002	0.05	<0.0001	0.002	12.8	<0.005		0.001	0.0006			
	0.046	<0.0001	<0.0005	0.017	0.00001	55.9	0.0012	<0.0001	0.002	0.05	0.0001	0.002	12.8	<0.005		0.002	0.0008			
	0.046	<0.0001	<0.0005	0.022	0.00001	60.1	0.0016	<0.0001	0.003	0.07	0.0003	0.003	14.4	0.006		0.002	0.0011			
	0.049	<0.0001	<0.0005	0.02	<0.00001	62	<0.0005	<0.0001	<0.001	<0.01	<0.0001	0.002	15.3	<0.005		<0.001	0.0006			
	0.052	<0.0001	<0.0005	0.012	<0.00001	53	<0.0005	<0.0001	0.002	0.06	0.0003	0.002	14.3	0.023		0.001	0.0008			
W10	0.025	<0.0001	<0.0005	0.004	0.00001	21.1	0.0008	0.0001	0.003	0.2	0.0001	<0.001	4.4	0.04	<0.0001	<0.001	0.0016			
	0.049	<0.0001	<0.0005	0.017	<0.00001	58.2	<0.0005	<0.0001	0.002	0.04	<0.0001	0.002	14.4	<0.005	<0.00002	0.003	<0.0005			
	0.051	<0.0001	<0.0005	0.023	0.00001	58.8	<0.0005	<0.0001	0.002	0.02	<0.0001	0.002	14.5	<0.005	<0.00002	0.002	<0.0005			
	0.044	<0.0001	<0.0005	0.019	<0.00001	50	<0.0005	<0.0001	0.002	0.04	<0.0001	0.002	12.5	<0.005	<0.00002	0.002	<0.0005			

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolve	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.49	0.000065	8.57	<0.0000050	9.47	0.272	<10	<0.0000020	<0.00020	0.00067	0.000457	0.00042	0.00358	0.00044	<0.20							
																					<0.02	
																					<0.02	
																					<0.005	
																					<0.005	
																					<0.01	
	<0.4	<0.0002	8.38	<0.0001	7.7	0.331	7.5	<0.00005	<0.001	0.0013	0.0006	0.0009	<0.001		<0.02	107						
	0.7	<0.0002	6.64	<0.0001	8	0.414	10.7	<0.00005	<0.001	0.0009	0.0006	0.0007	0.002		<0.02							
	0.5	<0.0002	6.29	<0.0001	8.7	0.371	12.3	<0.00005	<0.001	0.0012	0.001	0.0011	0.003		0.03							
	1	<0.0002	7.44	<0.0001	9.5	0.588	17.8	<0.00005	<0.001	0.0016	0.0016	0.0007	0.002		0.03							
	1.1	0.0002	7.11	<0.0001	10.9	0.555	18.2	<0.00005	<0.001	<0.0005	0.0018	0.0008	0.004		<0.02							
	1.1	<0.0002	6.69	<0.0001	11.4	0.625	21	<0.00005	<0.001	0.0022	0.0021	0.0014	0.005		<0.02							
	1.2	<0.0002	6.72	<0.0001	11.4	0.659	23.2	<0.00005	<0.001	0.0012	0.0021	0.0008	0.007		0.04							
	3.1	<0.0002	7.39	<0.0001	13.2	0.504	22.8	<0.00005	<0.001	0.002	0.0014	0.0012	0.002		0.1							
W10	1.1	<0.0002	3.76	<0.0001	3.9	0.159	3.6	<0.00005	<0.001	0.0018	<0.0005	0.0014	0.004		<0.02							
	1.2	<0.0002	7.19	<0.0001	12.8	0.672	22.1	<0.00005	<0.001	0.0025	0.0016	0.0009	0.008		0.04							
	1.1	<0.0002	6.73	<0.0001	11.8	0.676	22	<0.00005	<0.001	0.0019	0.0022	0.0013	0.002		0.05							
	0.9	<0.0002	7.13	<0.0001	11.2	0.59	16.8	<0.00005	<0.001	0.0014	0.0017	0.0007	0.002		<0.02							

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
																				FIELD	
W10																					22
																					20.7

SURFACE WATER - STREAMS

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		18-Apr-2008	No Water	0															
		14-May-2008		0.7276		<2	166		2.1	7.23	7.62	86.9		123	0.0		134		
		03-Jun-2008	No Discharge data, flow too low			<2	248	356	0.6	7.08	8.11	733		272	5.5				
		29-Jul-2008		0.0969		<2	264	188	0.5	8.09	8.15	379		310	4.9	11.35	94.2		
		21-Aug-2008		0.0277		<2	312		0.7	7.42	8.19	321		366	4.5	5.53	49.5		
		03-Sep-2008		0.4564		11	192	104	1	7.68	7.97	211		183	2.5	12.55	98.4		
		01-Oct-2008		0.1766		<2	250	139	27	7.6	8.1	276		251	2	12.91	92.8		
		26-Nov-2008				<2	308	182	<0.1	7.5	7.98	364		396	0.2				
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].			42	150	94.6	9.9	8.44	7.9	190.4		154	1.2	13.41	94.6		75.6
		11-Jul-2009		0.038		2	250		0.6	8.11	8.1	229.3		367	5.5	10.92	86.8	140.1	185
		08-Sep-2009		0.03		<1	280		0.3	8.23	8.2	253.8		408	3.8	12.02	91.3	83.4	210
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			<1	240		0.3	8.40	8.1	245.6		442	-0.1	1.57	10.6	64.0	213
		Dec-91	No in situ parameters measured.			<5			1		8.1			350					
		May-92	No in situ parameters measured.			8			5		7.4			84					
		Oct-92	No in situ parameters measured.			<5			<1		7.8			320					
		Aug-94				<10			0.5	7.66	7.89	231.93		367	4.93				
		01-Oct-2005	In situ para.: pH and conductivity only				130			7.45	8.05	210		232					
		07-Jun-2006		0.0607		9		547	2.5	7.85		295		235	5.5	8.65		161	
		12-Jul-2006		0.0453		<2		405	0.9	7.86		808		311		8.51		36	
		16-Aug-2006		0.0353		<2		191	0.9	7.96		386		335	6.2	7.89			
		14-Sep-2006		0.0212		<2		195	0.6	8.39		390		380	3.6	9.56			
		17-Oct-2006	Discharge not measuresd-Ice			<5	267	276	0.2	7.97	8.19	431		397	1.1	10.10		4.6	
		19-Apr-2007	Discharge not measured; overflow			<2	264	154	0.2	7.80	8.09	307		268	0.0				
		10-May-2007		0.4563		27	168	58.3	5.1	**5.13**	7.65	114.5		96	-0.5	8.92			
		21-Jun-2007	Site Access Flooded, not sampled																

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	61	49	59	<6		<5	310	0.38					9.66	<0.05	<0.02	<0.2		1.38	0.06	0.04		8.8	35.8	37.4	**0.42**
	142	110	130	<6		<5	70	1.07					38.2	<0.05	0.04	0.01		0.51	<0.05	0.06	<0.05	24.1	16	16.7	0.04
	172	142	170	<6		<5	60	1.24					43.4	<0.05	0.03	<0.01		0.45	<0.05	0.08		32.2	13.7	13.1	0.01
	180	150	180	<6		<5	34	1.79					53.2	<0.05	<0.01	0.01		0.31	<0.05	0.06		36	11	11.4	0.081
	108	88	100	<6		<5	110	0.58					13.4	<0.05	0.01	0.01		0.67	<0.05	0.11		18.7	26.4	28.4	**0.125**
	120	106	130	<6		<5	90	1.03					22	<0.05	<0.01	0.27		0.52	<0.05	0.09	<0.05	26.5	19.1	19	0.099
	196	146	180	<6		<5	25	2.17					51.4	<0.05				0.46	<0.05	0.09		31.7	9.8	9.7	0.012
	78.6	66	80	<0.5	<0.5	<0.5	100	2.9		0.0008		0.0013	3.7	<0.005	<0.005	0.03	0.66	0.63	0.015	0.007		12.3	24.4	23.4	**0.185**
	183	140	170	<0.5	<0.5	<0.5		1.6		<0.0005		<0.0005	51	<0.005	0.022	0.06			0.006	<0.005			11.1	11.1	0.0192
	206	160	190	<0.5	<0.5	<0.5		1.8		<0.0005		<0.0005	48	<0.005	<0.005	0.06			0.008	<0.005			9.5	9.9	0.0269
	214	170	210	<0.5	<0.5	<0.5		2.3		<0.0005		<0.0005	62	<0.005	<0.005	0.03			0.006	<0.005			7.4	9.3	0.0099
	181	135											49.2	<0.05	<2	<0.2			0.01						<0.005
	49.5	50											2.6	<0.05	<0.03	<0.05			0.012						**0.13**
	155	143											29.2	<0.05	<2.0	<0.2			0.006						0.055
	175	145						1.44	0.48				47.4	0.013	0.011	<0.005			0.007						<0.06
	120	106	130	<6	<5	<5		1.2					15	<0.05	<0.005	0.02		0.52	0.1	0.08					**0.129**
	120													<0.05				0.51	<0.1	0.14		18.5	16.8	17.4	**0.395**
	159													<0.05				0.48	<0.1	0.09		33	16.2	16.3	0.034
	166													<0.05				0.39	<0.1	0.05		36.2	15.6	16.6	**0.527**
	189													<0.05				0.32	<0.05	0.06		36.7	10.9	11.8	0.028
	198	164	200	<6		<5	23	2.2						<0.05	<0.005	0.06		0.27	0.07	0.04		38.1	10.1	10.2	0.019
	143	106	129	<6		<5	>60	3.4					32	<0.05	<0.05	<0.1		1.1	0.1	0.07	0.09	24.3	30.1	31.8	0.028
	61	48	59	<6		<5	>60	0.4					6	<0.05	<0.05	<0.1		1.27	0.09	0.04		9.6	38.3	39.5	**0.746**

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	<0.0002	0.0003	0.03	<0.00004		<0.005	<0.00007	19	0.0011	0.00042	0.003	0.88	0.0003	<0.001	4.11	0.0779	<0.00001	0.00034		
	<0.0002	0.0018	0.034	<0.00004		0.01	<0.00007	39.5	0.001	0.00006	0.002	0.11	<0.0001	0.001	8.89	0.0066	<0.00001	0.00126		
	<0.0002	0.0004	0.039	<0.00004		0.016	<0.00008	50	0.0005	0.00006	0.002	0.07	<0.0001	0.002	11.8	0.0029	<0.00001	0.00118		
	<0.0002	0.0004	0.043	<0.00004		0.017	<0.00001	52.7	0.0008	0.00009	0.001	0.16	0.0002	0.002	12.2	0.0099	<0.00001	0.00134		
	0.0002	0.0004	0.031	0.00007		<0.005	0.00006	31.1	0.0008	0.00018	0.003	0.38	0.0003	0.001	6.6	0.0126	0.00001	0.00163		
	<0.0004	<0.0004	0.034	<0.0002	<0.001	0.01	<0.00002	36.1	<0.001	<0.0002	0.004	0.2	<0.0002	<0.002	8	0.01	<0.00001	<0.002		
	<0.0002	0.0003	0.039	<0.00004	<0.0001	0.019	<0.00001	55.1	0.0006	0.00005	0.003	0.04	0.0003	0.002	13.7	0.0037	<0.00001	0.00127		
	0.00005	0.00052	0.0294	0.00002	<0.000005	<0.05	0.000013	22.1	0.0003	0.000215	0.00303	0.382	0.000204	0.0008	4.94	0.0214	<0.00001	0.00063		
	0.00006	0.00043	0.0419	<0.00001	<0.000005	<0.05	0.00001	54.6	<0.0001	0.000037	0.00219	0.044	0.000036	0.0021	11.9	0.00406	<0.00001	0.00155		
	0.00006	0.00038	0.0476	<0.00001	<0.000005	<0.05	0.000031	61.9	0.0005	0.000059	0.00193	0.064	0.000146	0.0024	13.5	0.00636	<0.00001	0.00168		
	0.00007	0.00038	0.0483	<0.00001	<0.000005	<0.05	0.000024	61.5	<0.0001	0.00004	0.00192	0.029	0.000143	0.0024	14.3	0.00427	<0.00001	0.00176		
	<0.05	0.12	0.04	<0.0005	<0.01		<0.0003		0.004	<0.001	<0.001	<0.005	<0.004	<0.05	11.3	0.003		<0.05		
	<0.02	<0.04	0.016	<0.0002	<0.02		<0.0003		<0.001	<0.001	0.003	0.161	<0.004	<0.05	3.4	0.007		<0.003		
	<0.02	<0.05	0.046	<0.0002	<0.02		<0.0004		<0.001	0.002	0.005	0.268	<0.005	<0.05	11.5	0.083		<0.004		
	<0.06	<0.06	0.046	<0.001		0.02	<0.006		0.011	<0.006	<0.006	0.082	<0.06		12.4	0.004		<0.01		
	<0.0002	0.0006	0.029	<0.0001	<0.0005	0.006	<0.00001	34.5	0.0006	0.0001	0.002	0.4	<0.0001	0.002	6.5	0.067		<0.001		
	<0.0002	0.0006	0.037	<0.0001	<0.0005	0.01	0.00001	34.7	0.0008	0.0003	0.003	0.6	0.0002	0.001	6.8	0.027		<0.001		
	<0.0002	0.0004	0.045	<0.0001	<0.0005	0.016	<0.00001	57	0.0007	<0.0001	0.002	<0.1	<0.0001	0.002	12	<0.005		0.002		
	<0.0004	0.0009	0.053	<0.0002	<0.001	0.01	0.00034	49	0.002	0.0005	0.004	1.2	0.001	<0.002	9.8	0.039		<0.002		
	<0.0004	0.0004	0.039	<0.0002	<0.001	0.02	<0.00002	53.4	<0.001	<0.0002	<0.002	<0.2	<0.0002	0.002	11	<0.01		<0.002		
	<0.0002	0.0003	0.044	<0.0001	0.0008	0.016	<0.00001	59.1	<0.0005	<0.0001	0.003	<0.1	<0.0001	0.003	13.9	<0.005		<0.001		
	<0.0002	0.0004	0.038	<0.0001	<0.0005	0.007	0.00004	40.6	<0.0005	0.0001	0.003	<0.1	0.0002	0.002	10.4	0.074		<0.001		
	<0.0004	0.0004	0.031	<0.0002	<0.001	0.007	0.00002	19	0.001	0.0004	0.004	0.9	0.0004	<0.002	4	0.1	<0.0001	<0.002		

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.008	0.06	0.95	<0.0006	2.18	<0.0001	3.3	0.15		<0.00001	<0.0001	0.0092	<0.0005	0.00193	0.004	0.0003	0.02	0.0008	<0.0002	
	<0.001	<0.01	0.86	<0.0006	2.91	<0.00005	8.1	0.393		<0.00001	0.0001	0.0019	0.001	0.00089	0.008	0.0004	0.02	0.001	<0.0002	
	<0.001	0.01	0.94	<0.0006	7.11	<0.00001	11	0.542		<0.00001	<0.0001	0.001	0.0013	0.00071	0.004	0.0003	0.01	0.0005	0.0004	
	<0.001	0.02	1.1	<0.0006	6.64	<0.00001	10.6	0.593		<0.00001	<0.0001	0.0043	0.0018	0.00091	0.004	0.0003	<0.01	0.0007	0.0003	
	<0.001	0.02	0.59	<0.0006	8.42	0.00014	6.8	0.237		0.00018	0.0026	0.0055	<0.0004	0.00141	0.004	0.0006	0.043	0.0006	0.0005	
	0.001		<0.8	<0.0004	7.5	0.00049	8.3	0.348	7.6	<0.0001	<0.002	0.0043	<0.001	0.001	0.005	<0.002	0.028	<0.0002	0.0005	
	<0.001	<0.01	1	<0.0006	6.69	<0.00001	10.4	0.599		<0.00001	<0.0001	0.0012	0.0018	0.00053	0.009		<0.005	0.0011	0.0003	
	0.0014	0.029	0.73	0.00008	4.8	<0.000005	3.94	0.17	5	0.000003	<0.00001	0.0072	0.00036	0.0009	0.0021	0.0005	0.0497	0.00006	0.00047	
	0.00066	0.004	1.02	0.00013	6.81	<0.000005	9.07	0.525	19	<0.000002	<0.00001	0.0007	0.00159	0.0006	0.0007	0.0002	0.0106	0.00007	0.00039	
	0.00065	0.013	1.16	0.00012	7.7	<0.000005	10.1	0.627	22	<0.000002	<0.00001	0.0006	0.00195	0.0003	0.0031	0.0002	0.0115	0.00007	0.00035	
	0.00065	0.006	1.12	0.00015	7.1	<0.000005	10.3	0.669	22	<0.000002	<0.00001	<0.0005	0.00224	0.0004	0.0021	0.0002	0.0085	0.00007	0.00034	
	0.002	<0.02	1.13	<0.01	3.6	<0.001	9.29	0.39				0.002	<0.02	<0.0005	0.004	<0.001	<0.005	<0.05	0.1	
	<0.001	<0.02	1.3	<0.02	4.92	<0.001	2.78	0.088				0.003	<0.02	<0.001	0.007	<0.001	0.084	<0.02	<0.04	
	<0.02	<0.02	1	<0.02	10	<0.001	9.69	0.33				<0.001	<0.02	0.008	0.007	<0.001	0.05	<0.02	<0.05	
	<0.02	<0.1	1	<0.06	7.99	<0.01	9.3	0.6			<0.06	0.003		<0.01	0.003		<0.05	<0.05	<0.05	
	0.0013		0.5	<0.0002	8.31	<0.0001	7	0.23	4.5	<0.00005	<0.001	<0.0005	0.0005	0.001	0.001	<0.001	0.029	<0.0002	0.0005	
	0.001		0.7	<0.0002	6.63	<0.0001	7	0.244	7.8	<0.00005	<0.001	0.0172	0.0008	0.0021	0.002	<0.001	0.024	<0.0002	0.0005	
	0.0011		1	<0.0002	6.85	<0.0001	10.4	0.614	19.5	<0.00005	<0.001	0.0023	0.0017	0.0007	0.003	<0.001	0.015	<0.0002	0.0006	
	0.0022		0.9	<0.0004	8.61	<0.0002	9	0.381	11	<0.0001	<0.002	0.0299	0.001	0.0029	0.008	<0.002	0.022	<0.0002	0.0005	
	<0.001		1	<0.0004	6.94	<0.0002	9.3	0.467	15	<0.0001	<0.002	0.002	0.002	0.0006	0.004	<0.002	0.011	<0.0002	0.0003	
	0.0008		1	<0.0002	7.19	<0.0001	9.3	0.611	18.4	<0.00005	<0.001	0.0015	0.0025	0.0006	0.002	<0.001	<0.005	<0.0002	<0.0002	
	0.001		3.6	<0.0002	6.71	<0.0001	8.5	0.328	12.6	<0.00005	<0.001	<0.0005	0.0006	0.0004	0.007	<0.001	0.016	<0.0002	0.0005	
	0.002	<0.02	1	<0.0004	4.95	<0.0002	2.9	0.12	2.2	<0.0001	<0.002	0.0298	<0.001	0.0024	0.01	<0.002	0.063	<0.0002	0.0005	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.021	<0.00004		<0.004	<0.00008		0.0006	0.00018	<0.001	0.236	0.0002	<0.001		0.0418	<0.00001	0.00043	0.002	0.02		
	0.033	<0.00004		0.011	<0.00008		0.0016	0.00014	0.002	0.06	<0.0001	0.001		0.004	<0.00001	0.00132	<0.001	0.01		
	0.04	<0.00004		0.015	<0.00008		<0.0004	0.00006	0.002	0.06	<0.0001	0.002		0.0024	<0.00001	0.00136	<0.001	<0.01		
	0.042	<0.00004		0.015	<0.00001		0.0006	0.00012	0.002	0.05	<0.0001	0.002		0.0021	<0.00001	0.00134	<0.001	<0.01		
	0.029	<0.00004		0.004	<0.00001		0.0013	0.00007	0.003	0.2	<0.0001	<0.001		0.0041	<0.00001	0.00077	<0.001	0.01		
	0.032	<0.0001	<0.0005	0.01	<0.00001	36	0.0005	<0.0001	0.002	0.12	<0.0001	0.001	7.9	<0.005	<0.00001	0.001	0.0012			
	0.044	<0.00004		0.02	<0.00001	55.7	0.0004	0.00008	0.002	0.031	0.0001	0.002	13.9	0.0032	<0.00001	0.0013	<0.001	<0.01		
	0.0249	0.00002	<0.000005	<0.05	0.000006	23.1	<0.0001	0.000089	0.00263	0.175	0.000048	0.0007	5.09	0.00393	<0.00001	0.00067	0.00108	0.016		
	0.0416	<0.00001	<0.000005	<0.05	0.000011	53.8	<0.0001	0.00003	0.00208	0.035	0.000017	0.002	11.7	0.00341	<0.00001	0.00152	0.00058	0.007		
	0.044	<0.00001	<0.000005	<0.05	0.000012	60.7	0.0013	0.000035	0.00181	0.037	0.000097	0.0023	13.1	0.00269	<0.00001	0.00165	0.00063	0.005		
	0.05	<0.00001	<0.000005	<0.05	0.000019	61.7	0.0001	0.000034	0.00197	0.028	0.00016	0.0025	14.5	0.00401	<0.00001	0.00178	0.00063	0.004		
	0.035	<0.0005	<0.01		<0.0003	50.1	0.003	<0.001	<0.001		<0.004	<0.05	10.7	<0.001		<0.005	0.002	<0.02		
	0.014	<0.0002	<0.02		<0.0003	13.2	<0.001	<0.001	<0.001	0.115	<0.004	<0.05	3.24	<0.001		<0.003	<0.001	<0.02		
	0.045	<0.0002	<0.02		<0.0004	41.4	<0.001	<0.001	0.004	0.2	<0.005	<0.05	11.4	0.08		<0.004	0.003	<0.02		
	0.042	<0.001		<0.01	<0.005	51.2	0.008	<0.005	<0.005	0.029	<0.05		11.4	<0.001		<0.01	<0.02	<0..1		
	0.028	<0.0001	<0.0005	0.005	<0.00001	35.3	<0.0005	<0.0001	0.001	0.22	<0.0001	0.001	7	0.028		<0.001	0.0011			
	0.029	<0.0001	<0.0005	0.007	<0.00001	35.4	<0.0005	<0.0001	0.002	0.15	<0.0001	0.001	7	0.005		<0.001	0.0006			
	0.036	<0.0001	0.0008	0.011	0.00001	47.1	<0.0005	<0.0001	0.002	0.1	<0.0001	0.002	10	<0.005		<0.001	0.001			
	0.036	<0.0001	<0.0005	0.011	0.00002	50	0.0011	<0.0001	0.002	0.11	0.0001	0.002	10	<0.005		<0.001	0.0011			
	0.036	<0.0001	<0.0005	0.014	<0.00001	55.8	0.0007	0.0002	0.002	0.06	0.0001	0.002	12	<0.005		<0.001	0.0006			
	0.041	<0.0001	<0.0005	0.013	<0.00001	58.2	<0.0005	<0.0001	<0.001	0.03	<0.0001	0.001	12.8	<0.005		<0.001	0.001			
	0.037	<0.0001	<0.0005	0.006	0.00002	40.9	<0.0005	<0.0001	0.002	0.05	<0.0001	0.001	9.9	0.074		<0.001	0.001			
	0.021	<0.0001	<0.0005	0.003	0.00002	18.8	0.0008	0.0002	0.002	0.18	<0.0001	<0.001	3.4	0.046	<0.0001	<0.001	0.0014			

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.89	<0.0006	1.86	<0.00001	3.3	0.147		<0.00001	<0.0001	0.0019	<0.0006	0.00084	0.002	0.0003	<0.01	120	<0.0001	<0.0001	<0.0001	<0.0001		
	0.89	<0.0006	3.15	<0.00001	8.88	0.399		<0.00001	<0.0001	0.0008	0.001	0.00102	0.002	0.0004	0.02		0.0004	0.0005	<0.0001	<0.0001		
	0.95	<0.0006	6.95	<0.00001	10.6	0.526		<0.00001	<0.0001	0.0011	0.0013	0.00068	0.001	0.0003	<0.01		<0.0001	<0.0001	0.0005	0.0001		
	1.09	0.0008	6.78	<0.00001	10.3	0.576		<0.00001	<0.0001	0.001	0.0015	0.00064	0.004	0.0003	0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.58	<0.0006	8.56	<0.00001	7.44	0.236		<0.00001	<0.0001	0.0017	<0.0004	0.00128	0.001	0.0005	0.02		<0.0001	<0.0001	<0.0001	<0.0001		
	0.6	<0.0002	7.89	<0.00001	7.7	0.324	7.3	<0.00005	<0.001	0.0016	0.0006	0.001	0.005		<0.01							
	1	<0.0006	6.84	<0.00001	10.6	0.665		<0.00001	<0.0001	0.0007	0.002	0.00046	0.002	0.0002	0.08		<0.0001	<0.0001	<0.0001	0.0002		
	0.75	0.00009	4.6	<0.000005	4.09	0.174	5	0.000004	<0.00001	0.0022	0.000336	0.0005	0.003	0.0004	0.03	NC	<0.00002	<0.00002	0.000032	0.00005		
	1.01	0.00012	6.47	<0.000005	8.94	0.528	17	<0.000002	<0.00001	<0.0005	0.00157	0.0006	0.0012	0.0002	0.08	100	<0.00002	<0.00002	0.00001	0.000013		
	1.09	0.00012	7.3	<0.000005	10	0.596	19	<0.000002	<0.00001	0.0008	0.00192	0.0003	0.0028	0.0002	0.06	110	<0.00002	<0.00002	0.000013	0.000014		
	1.13	0.00013	6.9	<0.000005	10.6	0.691	21	<0.000002	<0.00001	0.0007	0.00228	0.0004	0.0024	0.0002	0.03	100	<0.00002	<0.00002	0.000009	0.000007		
	0.92	<0.012	3.3	<0.001	8.24	0.37				<0.001	<0.02	<0.0005	<0.001	<0.001					<0.02	<0.02		
	1.19	<0.02	4.47	<0.001	2.74	0.084				0.001	<0.02	<0.001	0.003	<0.001					<0.005	<0.005		
	0.99	<0.02	9.6	<0.001	9.6	0.33				<0.001	<0.02	0.006	0.006	<0.001					<0.01	<0.01		
	0.9	<0.05	7.72	<0.01	8.8	0.573			<0.05	<0.002		<0.01	<0.002		0.008							
	<0.4	<0.0002	8.78	<0.0001	6.8	0.238	5	<0.00005	<0.001	0.0013	0.0005	0.0009	<0.001		<0.02	107						
	0.7	<0.0002	6.15	<0.0001	7.2	0.258	8.1	<0.00005	<0.001	0.001	0.0008	0.0012	0.002		0.03							
	0.7	<0.0002	6.36	<0.0001	8.2	0.432	12.4	<0.00005	<0.001	0.0013	0.0012	0.0008	0.003		0.02							
	0.8	<0.0002	7.6	<0.0001	9.2	0.406	11.4	<0.00005	<0.001	<0.0005	0.0014	0.0009	0.002		<0.02							
	1	<0.0002	7.14	<0.0001	9.7	0.478	14.9	<0.00005	<0.001	0.0013	0.0018	0.0011	0.003		<0.02							
	1.1	<0.0002	6.99	<0.0001	10	0.537	19.2	<0.00005	<0.001	0.0019	0.0018	0.0006	0.003		0.06							
	3.9	<0.0002	7.2	<0.0001	9.8	0.313	12.8	<0.00005	<0.001	0.0014	0.0006	0.0007	0.002		<0.02							
	1	<0.0002	3.57	<0.0001	3.2	0.108	2.2	<0.00005	<0.001	0.0014	<0.0005	0.0012	0.004		<0.02							

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
																					22.3
																					20.7

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W11	Nancy Lee Creek - Tributary of Williams Creek	25-Jul-2007		0.0136		<2	276	202.0	0.6	8.2	7.98	406.0		369	6.5	10.81			
		14-Aug-2007		0.0134		<2	306	201.0	<0.1	7.3	8.12	411.0		395	6.0	8.83	94.2		
		13-Sep-2007		0.0337		<2	266		<0.1	8.8	8.1			283	1.5	10.82	89.7		
		12-Oct-2007	Site Inaccessible																
		06-Mar-2008				<2	364		<0.1		7.77			383					
		17-Apr-2008				3	858		0.4		8.22			1040	-0.5		71.0		
		14-May-2008		0.4584		34	156		1.4	7.63	7.52	103.7		98	1		89.7		
		03-Jun-2008		0.0380		3	220	221	0.4	7.63	8.04	440		217	2				
		29-Jul-2008		0.0764		<2	224	159	0.4	8.35	8.08	316		260	5.8	11.36	92.7		
		21-Aug-2008		0.0091		2	302		0.7	7.6	8.18	275		315	4.7				
		03-Sep-2008		0.2694		16	174	91.9	0.6	7.78	7.92	184.5		157	3	13.32	98.6		
		01-Oct-2008		0.1123		<2	218	125	27	7.96	8.02	252		222	1.1	12.46	89.3		
		26-Nov-2008				9	380	163	<0.1	7.03	7.9	328		389	0.2				
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.2803		8	130	97.2	2.6	8.38	7.7	167		133	0.7	8.57	66.5		63.7
		11-Jul-2009		0.023		3	240		0.4	8.08	8.2	228.5		338	7.4	9.77	81.1	191.1	189
		08-Sep-2009		0.019		<1	250		0.2	8.22	8.2	232.3		374	3.9	11.39	86.5	107.6	191
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			<1	240		0.4	8.01	8.1	209.7		413	-0.1	12.11	82.9	97.7	199
		11-May-2010	Slightly elevated flows. No ice within 10 m upstream or downstream of sampling site. No flows collected.			3	130		0.9	7.97	7.8	82.2		165	0.3	12.16	90.1	80.9	82.8
		10-Jun-2010		0.015		1	260		0.2	7.95	8	229.1		390	3.1	12.27	91.6	370.5	180
		18-Aug-2010		0.077		9	210		0.5	8.21	8.18	180.6		317	6	10.54	91.1	74.6	151
		20-Oct-2010		0.019		2	240		1.5	7.92	8.18	174.3		324	-0.1	13.22	89.6	355.8	162
		31-May-2011	Water level has dropped recently	0.088		2	140		2.2	8.43	7.98	126		200	5	12.71	99.7		96.7
		28-Jun-2011		0.196		4	150		1.7	8.21	7.96	103		194	7.3	11.1	100.1	76.7	94.8
		07-Sep-2011	Moderate flows.	0.091		<1	180		0.5	8.14	8.17		237.9	247	4.6	13.16	100.9	117.8	118

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W11	190	151	184	<6		<5	30	1.4					54	<0.05	<0.05	<0.1		0.4	<0.05	0.08		34.4	11.4	11.7	0.02	
	196	157	191	<6		<5	36	1.8					58	<0.05	<0.05	0.2		0.3	<0.05	0.06		45.2	10.9	11	0.029	
	151	155	190	<6		<5	51	1.23					32.5	<0.05	<0.02	<0.02		0.45	<0.05	0.09		30.2	12.3	13	0.029	
	222	164	200	<6		<5	15	2.07					59	<0.05	<0.02	0.05		0.16	<0.05	0.07		45.1	6.3	5.9	0.047	
		301	367	<6		<5	60	8.4					300	<0.05	<0.02	<0.02		0.68	0.05	0.09		65.6	21.1	24.2	<0.02	
	52	40	49	<6		<5	350	0.29					6.02	<0.05	0.02	<0.02		1.22	<0.05	0.04		7.1	36.9	38.3	**0.45**	
	112	92	100	<6		<5	90	0.72					25.3	<0.05	0.03	0.01		0.57	<0.05	0.06	<0.05	19.9	20.3	19.5	**0.16**	
	144	123	150	<6		<5	80	0.87					28.9	<0.05	0.04	<0.01		0.56	<0.05	0.08		26.9	16.4	16.8	0.04	
	159	132	160	<6		<5	49	1.36					39.6	<0.05	<0.01	<0.01		0.41	<0.05	0.06		31.8	14.6	14.2	0.05	
	91	79	100	<6		<5	150	0.51					8.84	<0.05	0.01	<0.01		0.71	<0.05	0.11		16.8	27.9	29.4	**0.102**	
	110	98	100	<6		<5	100	0.74					15.6	<0.05	<0.01	<0.01		0.54	<0.05	0.08	<0.05	25.1	20.8	21.1	**0.131**	
	196	138	170	<6		<5	33	1.87					54.8	<0.05				0.32	<0.05	0.09		30.8	11.2	10.8	0.096	
	68.6	52	63	<0.5	<0.5	<0.5	120	1.4		<0.0005		0.0006	<0.5	<0.005	<0.005	<0.02	0.64	0.64	0.015	<0.005		9.2	24.5	21.2	0.0888	
	168	130	160	<0.5	<0.5	<0.5		1.7		<0.0005		<0.0005	45	<0.005	<0.005	<0.02			0.008	<0.005			11.9	12	0.0088	
	191	150	190	<0.5	<0.5	<0.5		1.1		<0.0005		<0.0005	58	<0.005	<0.005	2.55			0.009	<0.005			11.1	12.3	0.0112	
	199	160	200	<0.5	<0.5	<0.5		2.2		<0.0005		0.0006	52	<0.005	<0.005	<0.02			0.006	<0.005			9.5	11.1	0.0115	
	82.6	68	82	<0.5	<0.5	<0.5	100	1		<0.0005		<0.0005	13	<0.01	<0.005	<0.02	0.55	0.55	0.009	<0.005		13.4	21.3	21.2	0.0503	
	195	140	170	<0.5	<0.5	<0.5	20	2		0.0009		0.0008	57	0.04	<0.005	0.05	0.23	0.17	0.006	0.006		30.3	9	9.3	0.0111	
	158	130	160	<0.5	<0.5	<0.5	50	1				0.0005	35	0.16	<0.005	<0.02	0.28	0.28	0.007	<0.005		3.3	15.9	15.8	0.0431	
	167	140	170	<0.5	<0.5	<0.5	30	1.4		0.0006		<0.0005	55	0.007	<0.005	0.3	0.33	0.03	0.008	<0.005		30.6	14.9	14.5	0.0483	
	98.1	86	110	<0.5	<0.5	<0.5	100	1.4		<0.0005		<0.0005	18	0.007	<0.005	<0.02	0.49	0.49	0.009	<0.005		19.9	21	21.3	0.0378	
	94.8	88	110	<0.5	<0.5	<0.5	60	1.3		0.0017		0.0014	9.1	0.025	<0.005	<0.02	0.44	0.44	0.01	0.007		20	22.1	23.1	0.0614	
	115	110	140	<0.5	<0.5	<0.5	60	1.4		<0.005		<0.005	14	0.04	<0.005	<0.02	0.66	0.66	0.007	<0.005		25.5	21.3	21.4	0.0294	

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W11	<0.0002	0.0004	0.043	<0.0001	<0.0005	0.014	0.00001	53.1	<0.0005	<0.0001	0.002	<0.1	<0.0001	0.002	11.4	<0.005	<0.00002	<0.001		
	<0.0004	0.0005	0.046	<0.0002	<0.001	0.02	<0.00002	56.4	<0.001	<0.0002	0.003	<0.2	<0.0002	0.002	12	<0.01	<0.00002	<0.002		
	<0.0002	0.0005	0.034	<0.0001	<0.0005	0.009	0.00001	43.7	<0.0005	<0.0001	0.002	<0.1	<0.0001	0.002	9.1	<0.005	<0.00002	<0.001		
	<0.0002	0.0002	0.059	<0.0001	<0.0005	0.032	<0.00001	57.4	0.001	<0.0001	0.003	<0.1	0.0002	0.003	15.8	0.006	<0.00001	0.001		
	<0.0002	0.0016	0.109	<0.00004		0.013	<0.00007	139	0.0009	0.00006	0.002	0.02	0.0071	0.01	46.3	0.0184	<0.00001	0.00037		
	<0.0002	0.0005	0.026	0.00004		<0.005	<0.00007	15.5	**0.002**	0.00044	**0.005**	**0.92**	0.0003	<0.001	3.01	0.104	0.00001	0.00019		
	<0.0002	0.0005	0.028	<0.00004		0.008	<0.00007	33.5	**0.0013**	0.00015	**0.003**	**0.34**	<0.0001	0.001	6.61	0.0198	<0.00001	0.00049		
	<0.0002	0.0005	0.031	<0.00004		0.01	<0.00008	44.2	0.0006	0.00008	0.002	0.16	<0.0001	0.001	8.68	0.0057	<0.00001	0.00031		
	<0.0002	0.0004	0.034	<0.00004		0.009	<0.00001	46.9	0.0007	0.00008	0.001	0.16	<0.0001	0.002	9.39	0.0082	<0.00001	0.00051		
	<0.0002	0.0003	0.026	<0.00004		<0.005	0.00002	27.3	0.0006	0.00013	**0.003**	**0.35**	0.0002	<0.001	5.19	0.0138	0.00001	0.00024		
	<0.0002	0.0005	0.029	<0.0001	<0.0005	0.007	0.00002	33	0.0006	<0.0001	**0.003**	0.24	<0.0001	0.001	6.5	0.022	<0.00001	<0.001		
	<0.0002	0.0008	0.046	<0.00004	<0.0001	0.012	0.0001	57.6	0.001	0.00011	**0.004**	0.23	0.0012	0.002	12.8	0.0242	<0.00001	0.00072		
	0.00004	0.00042	0.0218	0.00002	<0.000005	<0.05	0.000009	19.2	0.0001	0.00012	**0.00247**	0.23	0.000057	0.0006	3.84	0.0166	<0.00001	0.00032		
	0.00003	0.00057	0.0502	<0.00001	<0.000005	<0.05	<0.000005	49.3	<0.0001	0.000041	0.0007	0.144	<0.000005	0.0019	16	0.0164	<0.00001	0.0008		
	0.00005	0.00035	0.0401	<0.00001	<0.000005	<0.05	0.000023	57.7	**0.0012**	0.000042	0.0017	0.065	0.000104	0.0023	11.4	0.00468	<0.00001	0.00075		
	0.00006	0.00035	0.0429	<0.00001	<0.000005	<0.05	0.00002	58.9	0.0001	0.000039	0.00239	0.055	0.000083	0.002	12.7	0.00833	<0.00001	0.00077		
	0.00005	0.00044	0.0249	0.00002	<0.000005	<0.05	0.000009	25.1	0.0001	0.000101	0.00196	0.191	0.000076	0.0006	4.91	0.0361	<0.00001	0.00035		
	0.00006	0.00034	0.0392	<0.00001	<0.000005	<0.05	0.000012	51.8	0.0002	0.000038	0.0019	0.029	0.000099	0.0021	12.2	0.00408		0.00078		
	0.00006	0.00043	0.0362	<0.00001	<0.000005	<0.05	0.000013	44.3	0.0005	0.000071	0.00205	0.154	0.000132	0.0016	9.77	0.011	<0.00001	0.0007		
	0.00006	0.00043	0.0355	<0.00001	<0.000005	<0.05	0.000063	48.1	0.0003	0.000076	0.00287	0.16	0.000111	0.0015	10.3	0.0144	<0.00001	0.00072		
	0.00004	0.00045	0.025	<0.00001	<0.000005	<0.05	0.000008	29.4	0.0002	0.000055	0.00224	0.131	0.00005	0.0009	5.7	0.00694	<0.00001	0.00044		
	0.00005	0.00049	0.0267	0.00001	<0.000005	<0.05	0.000011	28.9	0.0003	0.000076	**0.00248**	0.179	0.000049	0.0009	5.5	0.00757	<0.00001	0.00042		
	0.00006	0.00055	0.0303	0.00001	<0.000005	<0.05	0.000013	36.2	0.0003	0.000072	0.00212	0.227	0.000034	0.001	6.81	0.013	<0.00001	0.00051		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W11	<0.0005	<0.02	0.9	<0.0002	6.14	<0.0001	9.8	0.6	17.5	<0.00005	<0.001	0.0027	0.002	0.0008	0.006	<0.001	0.013	<0.0002	0.0004	
	0.001	<0.02	1	<0.0004	6.87	<0.0002	10	0.602	19	<0.0001	<0.002	0.002	0.0022	0.0009	0.006	<0.002	0.015	<0.0002	0.0005	
	0.0011	<0.02	0.8	<0.0002	6.41	<0.0001	9.2	0.382	10.8	<0.00005	<0.001	0.0021	0.0013	0.0006	0.003	<0.001	0.016	0.0007	0.0004	
	0.0007	<0.02	1.1	<0.0002	6.28	0.00002	10.8	0.844	21.1	<0.00005	<0.001	0.0032	0.0042	0.0008	0.009	<0.001	0.008	0.0008	<0.0002	
	<0.001	0.05	7.16	<0.0006	7.2	<0.001	28.9	1.7		<0.00001	<0.004	0.0008	0.0078	0.00016	0.005	0.0002	0.01	0.0008	0.001	
	0.01	0.06	0.83	<0.0006	2.02	<0.0001	3.2	0.1		<0.00001	<0.0001	0.0082	<0.0005	0.00204	0.005	0.0004	0.107	0.0007	<0.0002	
	0.001	0.02	0.66	<0.0006	3.07	<0.00005	6.8	0.256		<0.00001	<0.0001	0.007	0.0008	0.00122	0.007	0.0006	0.01	0.0008	0.0008	
	0.001	0.02	0.69	<0.0006	7.34	<0.00001	9.4	0.369		<0.00001	<0.0001	0.0023	0.0009	0.00076	0.006	0.0004	0.02	0.0005	0.0003	
	<0.001	0.02	0.82	<0.0006	6.94	<0.00001	9.1	0.431		<0.00001	<0.0001	0.003	0.0014	0.00073	0.005	0.0003	0.011	0.0008	0.0004	
	<0.001	0.02	0.48	0.001	8.41	<0.00001	5.9	0.162		0.00002	0.0003	0.0044	<0.0004	0.00122	0.01	0.0006	0.049	0.0006	0.0009	
	0.0014		0.5	<0.0002	6.73	0.00011	6.8	0.244	5.3	<0.00005	<0.001	0.0056	0.0006	0.0011	0.009	<0.001	0.035	<0.0002	0.0003	
	0.001	0.014	0.8	<0.0006	7.29	<0.00001	9.96	0.554		<0.00001	0.0007	0.0052	0.0019	0.00066	0.022		<0.005	0.001	0.0003	
	0.00107	0.021	0.6	0.00005	4.3	<0.000005	3.3	0.121	3	<0.000002	<0.00001	0.0029	0.000287	0.0004	0.0011	0.0004	0.0514	0.00006	0.00042	
	0.00046	0.017	0.79	0.00009	7.34	<0.000005	16.4	0.524	22	<0.000002	<0.00001	<0.0005	0.00129	0.0007	0.0029	0.0002	0.0126	0.00005	0.00043	
	0.00069	0.011	0.96	0.00008	7.9	<0.000005	8.71	0.507	16	<0.000002	0.00001	<0.0005	0.00177	0.0003	0.0026	0.0002	0.0111	0.00006	0.00034	
	0.0009	0.005	0.9	0.00009	7.1	<0.000005	9.1	0.558	19	<0.000002	<0.00001	<0.0005	0.00214	0.0003	0.0015	0.0002	0.0083	0.00005	0.00033	
	0.00088	0.014	0.74	0.00006	4.91	<0.000005	4.66	0.173	<10	<0.000002	<0.00001	0.0014	0.000478	0.0006	0.0015	0.0002	0.0319	0.00004	0.00044	
	0.00095		1.06	0.00009	6.2	<0.000005	8.87	0.527	21	<0.000002	0.00001	0.0006	0.00211	0.0005	0.0028	0.0001	0.0227	0.00006	0.00044	
	0.00103	0.014	0.88	0.00009	7	<0.000005	8.43	0.402	12	<0.000002	0.00001	0.0017	0.00119	0.0008	0.0027	0.0003	0.016	0.00005	0.00039	
	0.00094	0.018	0.81	0.00009	8.48	<0.000005	8.04	0.418	13	<0.000002	<0.00001	0.0016	0.00136	0.0004	0.0076	0.0003	0.0254	0.00005	0.00041	
	0.001		0.59	0.00006	6.54	<0.000005	5.14	0.214	<10	<0.000002	<0.00001	0.0008	0.000549	0.0004	0.0007	0.0003	0.0263	0.00005	0.00041	
	0.00119		0.39	0.00007	8.04	<0.000005	5.25	0.196	<10	<0.000002	<0.00001	0.0024	0.000417	0.0008	0.0009	0.0004	0.0309	0.00005	0.00045	
	0.00115	0.009	0.53	0.00008	8.51	<0.000005	6.07	0.248	<10	<0.000002	0.00001	0.0008	0.000636	0.0006	0.0015	0.0003	0.0245	0.00005	0.00057	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W11	0.041	<0.0001	<0.0005	0.013	<0.00001	56.3	<0.0005	<0.0001	0.002	0.04	0.0006	0.002	12.1	<0.005	<0.00002	<0.001	<0.0005			
	0.044	<0.0001	<0.0005	0.014	<0.00001	57.8	0.0005	<0.0001	0.003	0.03	<0.0001	0.002	12.5	<0.005	<0.00002	<0.001	<0.0005			
	0.034	<0.0001	<0.0005	0.011	<0.00001	44.8	<0.0005	<0.0001	0.002	0.08	<0.0001	0.002	9.6	<0.005	<0.00002	<0.001	<0.0005			
	0.058	<0.0001	<0.0005	0.034	<0.00001	61.4	0.0007	<0.0001	0.002	<0.01	<0.0001	0.003	16.7	<0.005	<0.00001	0.001	<0.0005			
	0.117	<0.00004		0.011	<0.00008		0.0031	0.00014	0.002	<0.01	0.0009	0.01		0.0177	<0.00001	0.00057	<0.001	0.04		
	0.023	<0.00004		<0.004	<0.00008		0.0023	0.00025	<0.001	0.261	<0.0001	<0.001		0.0425	0.00001	0.0002	0.003	0.01		
	0.024	<0.00004		0.007	<0.00008		0.0012	0.00015	0.002	0.09	<0.0001	0.001		0.0014	<0.00001	0.00043	<0.001	<0.01		
	0.032	<0.00004		0.008	<0.00008		<0.0004	0.00006	0.002	0.12	<0.0001	0.001		0.0021	<0.00001	0.00056	0.001	<0.01		
	0.033	<0.00004		0.009	<0.00001		0.0006	0.00008	0.002	0.1	<0.0001	0.002		0.0022	<0.00001	0.0005	<0.001	<0.01		
	0.024	<0.00004		<0.004	<0.00001		0.0012	0.0001	0.002	0.2	0.0002	<0.001		0.0066	<0.00001	0.00056	<0.001	0.01		
	0.027	<0.0001	<0.0005	0.006	<0.00001	33.5	<0.0005	<0.0001	0.002	0.14	<0.0001	0.001	6.5	0.013	<0.00001	<0.001	0.0012			
	0.043	<0.00004		0.014	0.00002	57.4	0.0004	0.00005	0.002	0.054	0.0001	0.002	12.7	0.0062	<0.00001	0.00068	<0.001	<0.01		
	0.0208	0.00004	<0.000005	<0.05	0.000034	20.8	<0.0001	0.000091	0.00249	0.151	0.000098	0.0006	4.03	0.00399	<0.00001	0.00033	0.00121	0.015		
	0.0377	<0.00001	<0.000005	<0.05	0.000012	50.7	<0.0001	0.00004	0.00221	0.068	0.000046	0.0018	10.1	0.00353	<0.00001	0.00071	0.00079	0.006		
	0.0387	<0.00001	<0.000005	<0.05	0.00001	57.8	0.0005	0.000044	0.00175	0.06	0.00006	0.002	11.4	0.00391	<0.00001	0.00078	0.00071	0.007		
	0.0436	<0.00001	<0.000005	<0.05	0.000023	58.7	<0.0001	0.000037	0.00231	0.047	0.000008	0.0021	12.7	0.00622	<0.00001	0.00076	0.00072	0.004		
	0.0248	<0.00001	<0.000005	<0.05	0.000008	24.8	0.0001	0.000097	0.00196	0.143	0.000092	0.0008	5.04	0.0291	<0.00001	0.00034	0.00094	0.012		
	0.0404	<0.00001	0.000007	<0.05	0.000028	57.3	0.0002	0.000045	0.00205	0.042	0.000371	0.002	12.6	0.00694		0.00082	0.00081			
	0.0361	<0.00001	<0.000005	<0.05	0.000026	47	0.0002	0.000046	0.00222	0.099	0.000045	0.0015	9.97	0.00354	<0.00001	0.00065	0.00092	0.008		
	0.0343	<0.00001	<0.000005	<0.05	0.000025	48.7	0.0002	0.000047	0.0027	0.107	0.000056	0.0015	10.9	0.00637	<0.00001	0.00073	0.00092	0.008		
	0.0247	<0.00001	<0.000005	<0.05	0.000022	29.4	0.0002	0.000054	0.00213	0.106	0.000263	0.0009	5.99	0.00242		0.00047	0.00098			
	0.0266	0.00001	<0.000005	<0.05	0.000012	28.9	0.0002	0.00005	0.00232	0.123	0.000017	0.0009	5.53	0.00254		0.00047	0.0011			
	0.0294	<0.00001	<0.000005	<0.05	0.000012	35.3	0.0003	0.000077	0.00204	0.206	0.000024	0.001	6.59	0.0115	<0.00001	0.00051	0.00109	0.008		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
W11	1	<0.0002	7.41	<0.0001	10	0.552	18.1	<0.00005	<0.001	0.0018	0.0019	0.0007	0.005		0.05							
	0.9	<0.0002	6.98	<0.0001	10.2	0.562	19.2	<0.00005	<0.001	0.002	0.0021	0.0012	0.002		0.03							
	0.7	<0.0002	7.54	<0.0001	9.7	0.414	11.3	<0.00005	<0.001	0.0012	0.0013	0.0006	0.002		<0.02							
	1.2	<0.0002	7.17	<0.00001	11	0.851	22.3	<0.00005	<0.001	0.0014	0.0038	0.0008	0.003		0.11							
		<0.0006		<0.0001		1.92		<0.00001	<0.0001	0.0014	0.0074	0.00087	<0.001	0.0002	0.01		<0.0001	<0.0001	<0.0001	0.0002	<0.0001	
	0.94	<0.0006	1.77	<0.00001	2.69	0.101		<0.00001	<0.0001	0.0077	<0.0006	0.00094	0.002	0.0003	<0.01	130	<0.0001	<0.0001	<0.0001	<0.0001		
	0.66	<0.0006	3.08	<0.00001	7.08	0.254		<0.00001	<0.0001	0.0009	0.0007	0.00078	0.001	0.0005	0.02		0.0007	0.0003	<0.0001	<0.0001		
	0.68	<0.0006	7.15	<0.00001	8.9	0.361		<0.00001	<0.0001	0.0012	0.001	0.00064	0.002	0.0003	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.84	<0.0006	7.44	<0.00001	9.02	0.428		<0.00001	<0.0001	0.001	0.0011	0.00065	0.002	0.0003	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.48	<0.0006	8.21	<0.00001	6.24	0.157		0.00003	0.0015	0.0017	<0.0004	0.00107	0.002	0.0005	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.5	<0.0002	8.24	<0.00001	7.2	0.224	5.3	<0.00005	<0.001	0.0014	0.0005	0.0008	0.003		0.02							
	0.9	<0.0006	7.22	<0.00001	10	0.603		0.00001	0.0002	0.0005	0.002	0.00041	0.003	0.0002	0.08		<0.0001	<0.0001	<0.0001	0.0002		
	0.67	0.00008	4.3	<0.000005	3.55	0.127	3	<0.000002	<0.00001	0.0014	0.000303	0.0004	0.0089	0.0004	<0.02	NC	<0.00002	<0.00002	0.000018	0.000026		
	0.82	0.00009	6.54	<0.000005	7.92	0.444	15	<0.000002	<0.00001	<0.0005	0.00153	0.0006	0.0009	0.0002	<0.02	100	<0.00002	<0.00002	0.00001	0.00002		
	0.91	0.00009	7.6	<0.000005	8.88	0.5	16	<0.000002	<0.00001	0.0007	0.00176	0.0003	0.0017	0.0002	2.55	94	<0.00002	<0.00002	0.000014	0.000011		
	0.9	0.00009	6.8	<0.000005	9.23	0.581	17	<0.000002	<0.00001	<0.0005	0.00218	0.0003	0.0006	0.0002	<0.02	100	<0.00002	<0.00002	0.000011	0.000009		
	0.72	0.00005	4.76	<0.000005	4.68	0.173	<10	<0.000002	<0.00001	<0.0005	0.000457	0.0005	0.0019	0.0002	<0.02		<0.00002	<0.00002	0.000013	0.000012		
	1.08	0.0001	7.24	<0.000005	9.03	0.556	22	<0.000002	0.00001	0.0011	0.00234	0.0006	0.0032	0.0002	0.05							
	0.88	0.00007	7.32	<0.000005	8.28	0.404	11	<0.000002	<0.00001	<0.0005	0.00123	0.0004	0.0023	0.0003	<0.02		<0.00002	<0.00002	0.000011	0.000016		
	0.81	0.00011	8.79	<0.000005	8.66	0.415	12	0.000004	0.00001	<0.0005	0.00128	0.0003	0.0038	0.0002	0.3		<0.00002	<0.00002	0.00002	0.000014		
	0.59	0.00008	6.33	<0.000005	5.39	0.216	<10	<0.000002	0.00005	0.001	0.000548	0.0005	0.0039	0.0003	<0.02							
	0.39	0.00007	7.65	<0.000005	5.32	0.205	<10	<0.000002	<0.00001	0.0008	0.000432	0.0008	0.0007	0.0003	<0.02							
	0.53	0.0001	8.09	<0.000005	6.05	0.241	<10	<0.000002	<0.00001	0.0008	0.000594	0.0006	0.0012	0.0003	<0.02	NC	<0.00002	<0.00002	0.000013	0.000016		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
W11																					
																				FIELD	
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																				FIELD	
																				FIELD	
																				FIELD	

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		27-Oct-2011	Iced over, but could find a place to stream gauge although water damming.	0.002		<1	200		0.3	8.29	8.1		165.3	340	0.2				161
		25-May-2012	Ion Balance Non-Calculable	0.187		3.2	136			8.12	7.95		158.6	163	3.4	14.2	106	325.7	78.6
		10-Aug-2012	mod flow, brown, very turbid, ppt last 2 days; Ion Balance Non-Calculable	0.207		17.7	200			7.93	8.17		249.4	237	6.7	13.8	113	57.3	119
		03-Oct-2012		0.103		3.7	198			7.89	8.26		292.4	261	0.00	15.03	103	105.4	127
		01-Oct-2005	in situ para.: pH and conductivity only				140			8.25	8.06	250		253					
		30-Mar-2006				3			1.3	6.57	7.7	644		690					
		07-Jun-2006		0.1085		5		721	2.1	8.08		360		264	5	6.97		159	
		12-Jul-2006		0.0650		<2		475	0.6	8.49		918		370		6.19		32	
		16-Aug-2006		0.0557		<2		224	0.6	7.78		449		387	6	8.27			
		14-Sep-2006		0.0285		<2		215	0.5	7.73		433		413	3.2	8.49			
		17-Oct-2006		0.0206		3	300	237	0.7	8.4	8.18	473		445	3.2	9.52		78.0	
		19-Apr-2007		0.0941		<2	316	197	0.3	7.75	8.13	394		352	0.0				
		10-May-2007		0.8342		19	186	69.9	1.8	6.65	7.7	140.1		122	-0.5	18.58			
		21-Jun-2007	Site Access Flooded, not sampled																
		25-Jul-2007		0.0668		3	282	213.0	1.9	7.9	7.92	449.0		396	4.5	8.89			
		14-Aug-2007		0.0223		<2	302	251.0	<0.1	7.3	8.1	519.0		427	5.5	7.40	76.8		
		13-Sep-2007		0.0589		<2	286		0.1	8.6	8.04			324	1.0	10.45	84.5		
		12-Oct-2007	No Data, Site Inaccessible																
		06-Mar-2008				2	404	257	<0.1	8.9	7.83	516		481	0.0	8.50	50.7		
		17-Apr-2008				<2	586	40	0.2		7.96	710		782	-0.5		68.1		
		14-May-2008		0.6325		<2	170		1.7	7.89	7.57	127.9		117	0.0		89.3		
		03-Jun-2008		0.07835		<2	240	277	0.8	7.58	8.03	553		255	2.0				
		29-Jul-2008		0.1592		14	266	194	0.4	8.09	7.93	391		315	4.8	9.95	84.5		
		21-Aug-2008		0.0349		<2	310		0.7	7.4	8.11	308		361	4.6	5.12	47.7		
		03-Sep-2008		0.3671		12	188	101	1	7.87	7.94	205		175	2.3	12.92	95.6		

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	162	130	160	<0.5	<0.5	<0.5	20	1.7		<0.0005		<0.0005	31.3	0.014	<0.005	0.11	0.25	0.14	0.012	0.006		34	13.5	13.5	0.0226
	80.7	71.6	87.3	<0.50	<0.50	<0.50		1.3	0.19				4.45	0.021	<0.050	<0.20							20.6	20.2	0.0524
	116	112	137	<0.50	<0.50	<0.50		1.7	0.25				9.68	0.0096	<0.050	<0.20							18.4	22.8	**0.144**
	125	120	146	<0.50	<0.50	<0.50		1.2	0.25				15.7	0.014	<0.050	<0.20							19.4	18.1	0.0522
	130	107	131	<6	<5	<5		1.2					22	<0.05	<0.005	0.02		0.67	0.1	0.08					**0.156**
	360													<0.05				0.16	<0.1	0.14			6.8		0.01
	130													<0.05				0.42	<0.1	0.12		20.9	15	14.7	**0.195**
	179													<0.05				0.26	<0.1	0.1		35.8	12	12.3	0.038
	184													<0.05				0.29	<0.1	0.05		38.7	12	12.7	0.07
	205													<0.05				<0.06	<0.05	0.06		38.7	9.2	9.5	0.02
	217	166	202	<6		<5	16	2.2						<0.05	<0.005	0.06		0.19	0.07	0.04		39.9	7.8	8.1	0.047
	178	129	157	<6		<5	>60	3.6					54	<0.05	<0.05	<0.1		0.97	0.1	0.07	0.09	30.1	25.5	27	0.08
	71	54	66	<6		<5	>60	0.5					9.4	<0.05	<0.05	<0.1		1.3	0.08	0.04		11.7	39	39.8	**0.634**
	203	155	189	<6		<5	30	1.4					67	<0.05	<0.05	<0.1		0.39	<0.05	0.08		35.8	10.1	10.5	**0.238**
	206	166	202	<6		<5	25	1.9					69	<0.05	<0.05	0.2		0.25	<0.05	0.06		44.5	8.7	8.6	0.033
	169	165	202	<6		<5	40	1.51					45.3	<0.05	<0.02	<0.02		0.33	<0.05	0.08		33	10.4	39.1	0.045
	277	194	236	<6		<5	8	3.06					90	<0.05	<0.02	0.07		<0.06	<0.05	0.06		51.4	3.3	3.1	0.064
		244	298	<6		<5	30	5.76					206	<0.05	<0.02	0.04		0.34	<0.05	0.06		54.4	11.8	12.4	<0.02
	59	48	58	<6		<5	340	0.33					8.21	<0.05	0.02	<0.02		1.18	<0.05	0.04		8.8	39	41.1	**0.26**
	131	104	130	<6		<5	80	0.93					32.5	<0.05	0.04	0.02		0.53	<0.05	0.06	<0.05	22.5	16.9	18.7	0.05
	171	139	170	<6		<5	49	1.25					45.2	<0.05	0.03	0.01		0.46	<0.05	0.08		30.9	13.9	13.5	**0.18**
	180	147	180	<6		<5	35	1.61					52.4	<0.05	<0.01	0.01		0.38	<0.05	0.06		35.4	11.8	11.6	0.019
	97	84	100	<6		<5	140	0.51					12.3	<0.05	<0.01	0.01		0.67	<0.05	0.11		18.4	27.2	28.7	**0.15**

Station	Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
		0.00005	0.00044	0.0347	<0.00001	<0.000005	<0.05	0.000018	47.8	0.0002	0.000053	0.00271	0.148	0.000225	0.0015	10	0.0154	<0.00001	0.00067	
		0.000051	0.000428	0.0232	0.000011	<0.0000050	<0.050	0.0000151	23.6	0.00021	0.0000826	**0.00219**	0.245	0.0000259	0.00069	4.78	0.0179	<0.000010	0.000428	
		0.00006	0.000695	0.0331	0.000017	<0.0000050	<0.050	0.000007	35.9	0.0004	0.000207	**0.00277**	**0.511**	0.000155	0.00101	7.06	0.0598	<0.000010	0.00046	
		0.000059	0.000497	0.0314	0.00001	0.000005	<0.050	0.000011	38.4	0.00027	0.000126	0.00209	**0.342**	0.000171	0.00096	7.61	0.0457	<0.000010	0.000516	
		<0.0002	0.0005	0.033	<0.0001	<0.0005	0.007	<0.00001	36.8	0.0007	0.0001	0.002	**0.4**	0.0001	0.002	7.7	0.048		0.001	
		<0.0002	0.0005	0.085	<0.0001	<0.0005	0.058	0.00001	97.8	<0.0005	<0.0001	**0.004**	<0.1	0.0002	0.006	26.5	0.012		0.002	
		<0.0002	0.0005	0.038	<0.0001	<0.0005	0.011	0.00001	38.2	<0.0005	0.0001	0.002	0.3	0.0001	0.001	8.4	0.015		0.002	
		<0.0002	0.0004	0.035	<0.0001	<0.0005	0.01	<0.00001	50.5	<0.0005	<0.0001	0.002	0.1	<0.0001	0.001	9.3	<0.005		<0.001	
		<0.0004	<0.0004	0.048	<0.0002	<0.001	0.02	<0.00002	51.9	<0.001	<0.0002	0.002	<0.2	<0.0002	0.002	11	<0.01		<0.002	
		<0.0004	<0.0004	0.048	<0.0002	<0.001	0.02	<0.00002	57.8	<0.001	<0.0002	<0.002	<0.2	<0.0002	0.003	13	<0.01		<0.002	
		<0.0002	0.0003	0.054	<0.0001	<0.0005	0.02	<0.00001	61.8	<0.0005	<0.0001	0.002	<0.1	0.0001	0.003	15.9	<0.005		0.002	
		<0.0002	0.0004	0.046	<0.0001	<0.0005	0.008	0.00005	50.5	<0.0005	0.0001	**0.004**	0.1	0.0004	0.002	14.6	0.06		<0.001	
		<0.0004	0.0005	0.038	<0.0002	<0.001	0.008	0.00002	21.8	<0.001	0.0004	**0.004**	**0.7**	0.0003	<0.002	5.1	0.065	<0.0001	<0.002	
		<0.0002	0.0008	0.06	<0.0001	<0.0005	0.017	0.00001	53	0.0005	<0.0001	0.002	0.2	0.0002	0.002	13.2	0.01	<0.00002	0.003	
		<0.0002	0.0003	0.057	<0.0001	<0.0005	0.02	0.00001	56.4	<0.0005	<0.0001	0.002	<0.1	0.0001	0.003	13.6	<0.005	<0.00002	0.003	
		<0.0002	0.0002	0.048	<0.0001	<0.0005	0.017	0.00005	47.6	0.0008	0.0001	0.003	<0.1	0.0003	0.002	11	<0.005	<0.00002	0.002	
		<0.0002	0.0003	0.057	<0.0001	<0.0005	0.048	0.00003	70.7	<0.0005	<0.0001	0.002	<0.1	0.0003	0.005	21.5	0.006	<0.00001	0.002	
		<0.0002	<0.001	0.078	<0.00004		0.024	<0.00007	97.9	0.0008	<0.00002	<0.001	0.03	0.0016	0.006	29.5	0.0074	<0.00001	0.00095	
		<0.0002	<0.0002	0.026	<0.00004		<0.005	<0.00007	17.7	**0.0013**	0.00028	**0.003**	**0.58**	0.0003	<0.001	3.73	0.06	0.00001	0.00037	
		<0.0002	0.0002	0.032	<0.00004		0.01	<0.00007	38.2	**0.0012**	0.00007	0.002	0.15	<0.0001	0.001	8.6	0.0066	<0.00001	0.00138	
		<0.0002	0.0006	0.044	<0.00004		0.015	<0.00008	51.5	0.001	0.00023	0.003	**0.42**	0.0002	0.002	11.9	0.0368	<0.00001	0.00114	
		<0.0002	0.0006	0.042	<0.00004		0.013	<0.00001	52.6	0.0007	0.00006	0.001	0.08	<0.0001	0.002	11.6	0.0032	<0.00001	0.0014	
		<0.0002	0.0004	0.031	<0.00004		<0.005	0.00005	30.8	0.0008	0.0002	0.003	**0.46**	0.0002	<0.001	6.34	0.0217	0.00001	0.00077	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00111	0.013	0.87	0.00008	7.8	0.000017	8.44	0.411	12	<0.000002	0.00001	0.0008	0.00131	0.0005	0.0055	0.0002	0.0227	0.00005	0.00042	
	0.000977	0.0153	0.558	0.000066	5.46	<0.0000050	4.42	0.156	<10	<0.0000020	<0.00020	0.00164	0.000392	0.00088	0.00069	0.00032	0.0304	0.000052	0.00046	
	0.00131	0.0208	0.467	0.000074	8.69	<0.0000050	7.12	0.242	<10	<0.0000020	0.0003	0.00525	0.000495	0.00135	0.00175	0.00042	0.0264	0.000061	0.000566	
	0.0014	0.0164	0.574	0.000074	8.86	<0.0000050	6.91	0.267	<10	<0.0000020	<0.00020	0.00192	0.000659	0.00081	0.00579	0.00038	0.0231	0.000051	0.000537	
	0.0011		0.6	<0.0002	8.26	<0.0001	7.7	0.304	6.6	<0.00005	<0.001	<0.0005	0.0006	0.0011	0.001	<0.001	0.025	<0.0002	0.0005	
	<0.0005		2	0.0006	9.53	<0.0001	17.4	1.44	38.9	<0.00005	<0.001	0.0025	0.0052	0.0007	0.003	<0.001	<0.005	<0.0002	0.0004	
	0.0007		0.9	<0.0002	6.3	<0.0001	8.1	0.317	10.9	<0.00005	<0.001	0.0095	0.0008	0.0014	0.002	<0.001	0.389	0.0003	0.0008	
	0.001		0.8	<0.0002	7.21	<0.0001	8.8	0.412	12.6	<0.00005	<0.001	0.0021	0.0013	0.0007	0.003	<0.001	0.008	<0.0002	0.0004	
	<0.001		0.9	<0.0004	6.68	<0.0002	10	0.525	17	<0.0001	<0.002	0.0037	0.002	0.001	<0.002	0.007	0.019	<0.0002	0.0004	
	<0.001		1	<0.0004	6.72	<0.0002	11	0.577	20	<0.0001	<0.002	0.0021	0.002	0.0006	0.005	<0.002	0.013	<0.0002	0.0002	
	0.0007		1.1	<0.0002	6.95	<0.0001	10.7	0.744	22.8	<0.00005	<0.001	0.009	0.0027	0.0007	0.002	<0.001	<0.005	<0.0002	<0.0002	
	0.0012		3.4	<0.0002	7.29	<0.0001	11.9	0.479	20.7	<0.00005	<0.001	0.0033	0.001	0.0005	0.013	<0.001	0.016	<0.0002	0.0004	
	0.002	<0.02	1	<0.0004	4.97	<0.0002	3.7	0.16	3.4	<0.0001	<0.002	0.0345	<0.001	0.0024	0.01	<0.002	0.055	<0.0002	0.0004	
	<0.0005	<0.02	1.1	<0.0002	7.29	<0.0001	12.8	0.732	21	<0.00005	<0.001	0.0098	0.0015	0.0014	0.009	<0.001	0.01	<0.0002	0.0004	
	0.0007	<0.02	1.1	0.0003	6.63	<0.0001	12.6	0.705	22.1	<0.00005	<0.001	0.0028	0.0018	0.001	0.005	<0.001	<0.005	<0.0002	0.0004	
	0.0014	<0.02	1	<0.0002	7.14	<0.0001	10.6	0.557	14.8	<0.00005	<0.001	0.0034	0.0016	0.001	0.008	<0.001	0.016	0.0006	0.0004	
	<0.0005	<0.02	1.5	0.0005	6.27	0.00001	12.3	1.25	31.2	<0.00005	<0.001	0.006	0.0055	0.0009	0.007	<0.001	0.013	0.0008	0.0003	
	<0.001	0.02	3.55	<0.0006	5.1	<0.001	18.3	1.46		<0.00001	<0.004	0.0013	0.0064	0.00042	0.002	0.0001	<0.01	0.0013	0.0006	
	0.006	0.05	0.9	<0.0006	2.01	<0.0001	3.4	0.132		<0.00001	<0.0001	0.0084	<0.0005	0.00146	0.007	0.0004	0.012	0.0004	<0.0002	
	<0.001	0.02	0.77	<0.0006	3.02	<0.00005	8.2	0.356		<0.00001	0.0001	0.002	0.0009	0.001	0.009	0.0006	0.01	0.0008	0.0003	
	0.002	0.03	1	<0.0006	7.09	<0.00001	11	0.573		<0.00001	<0.0001	0.0085	0.0015	0.00133	0.008	0.0003	0.01	0.0006	0.0005	
	<0.001	0.01	0.97	<0.0006	6.81	<0.00001	10.6	0.566		<0.00001	<0.0001	0.0015	0.0016	0.00069	0.003	0.0002	<0.01	0.0007	0.0003	
	<0.001	0.03	0.55	<0.0006	8.47	<0.00001	6.7	0.223		0.00007	0.0006	0.0062	<0.0004	0.00154	0.003	0.0011	0.051	0.0005	0.0006	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0356	<0.00001	<0.000005	<0.05	0.000024	48	0.0003	0.000066	0.00283	0.148	0.000466	0.0016	10.2	0.0139	<0.00001	0.00069	0.00115	0.012		
	0.0226	<0.000010	<0.0000050	<0.050	0.0000099	24.4	0.00018	0.0000528	0.00198	0.175	<0.0000050	0.00073	4.82	0.00385	<0.000010	0.000421	0.000916	0.0102		
	0.0292	<0.000010	<0.0000050	<0.050	<0.0000050	35.3	0.00032	0.00007	0.00217	0.208	0.00005	0.001	6.79	0.00873	<0.000010	0.000513	0.00113	0.0083		
	0.03	0.00001	<0.0000050	<0.050	<0.0000050	37.7	0.00025	0.000086	0.00165	0.267	0.000026	0.00093	7.56	0.035	<0.000010	0.000515	0.001	0.0105		
	0.032	<0.0001	<0.0005	0.007	<0.00001	37.4	<0.0005	0.0001	0.001	0.18	<0.0001	0.002	8	0.016		0.001	0.0009			
	0.086	<0.0001	<0.0005	0.056	0.00002	97.9	<0.0005	<0.0001	0.001	<0.01	0.0002	0.005	28.1	0.011		0.002	<0.0005			
	0.044	<0.0001	<0.0005	0.012	0.00012	36.9	0.0019	0.0005	0.01	0.25	0.0022	0.002	9.1	0.01		0.002	0.0023			
	0.048	<0.0001	0.0007	0.015	0.00002	52.8	<0.0005	<0.0001	0.002	0.05	0.0001	0.002	11.4	<0.005		0.002	0.0006			
	0.044	<0.0001	<0.0005	0.014	0.00001	53.8	0.0009	<0.0001	0.002	0.06	<0.0001	0.002	12	<0.005		0.002	0.0012			
	0.045	<0.0001	<0.0005	0.017	<0.00001	59.4	0.0006	<0.0001	0.002	0.02	0.0002	0.003	13.8	<0.005		0.002	0.0006			
	0.051	<0.0001	<0.0005	0.017	<0.00001	62	<0.0005	<0.0001	<0.001	<0.01	<0.0001	0.002	15	<0.005		<0.001	0.0007			
	0.046	<0.0001	<0.0005	0.008	0.00004	49.1	0.0005	<0.0001	0.002	0.06	<0.0001	0.002	13.4	0.059		<0.001	0.0011			
	0.026	<0.0001	<0.0005	0.004	0.00001	21	0.0008	0.0001	0.002	0.16	<0.0001	<0.001	4.4	0.023	<0.0001	<0.001	0.0019			
	0.053	<0.0001	<0.0005	0.016	<0.00001	58.3	<0.0005	<0.0001	0.002	0.03	0.0001	0.002	14	<0.005	<0.00002	0.003	<0.0005			
	0.054	<0.0001	<0.0005	0.019	<0.00001	58.8	<0.0005	<0.0001	0.002	0.02	0.0002	0.002	14.3	<0.005	<0.00002	0.002	<0.0005			
	0.04	<0.0001	<0.0005	0.013	0.00003	48.6	<0.0005	<0.0001	0.003	0.06	0.0002	0.002	11.6	<0.005	<0.00002	0.002	<0.0005			
	0.056	<0.0001	<0.0005	0.049	0.00002	74.5	<0.0005	<0.0001	0.001	0.01	<0.0001	0.005	22.1	<0.005	<0.00001	0.002	<0.0005			
	0.081	<0.00004		0.026	<0.00008		0.0021	0.00016	0.002	<0.01	0.0002	0.007		0.0053	<0.00001	0.00121	<0.001	0.02		
	0.02	<0.00004		<0.004	<0.00008		0.0008	0.00014	0.002	0.213	0.0006	<0.001		0.022	0.00001	0.00035	0.002	0.02		
	0.03	<0.00004		0.009	<0.00008		0.0014	0.00013	0.002	0.07	<0.0001	0.001		0.0011	<0.00001	0.00135	<0.001	0.01		
	0.041	<0.00004		0.011	<0.00008		0.0005	0.00023	0.002	0.08	0.0002	0.002		0.0016	<0.00001	0.0015	0.001	<0.01		
	0.042	<0.00004		0.012	<0.00001		0.0005	0.00009	0.002	0.06	<0.0001	0.002		0.0016	<0.00001	0.00138	<0.001	<0.01		
	0.028	<0.00004		<0.004	0.00003		0.0013	0.00024	0.003	0.22	0.0003	<0.001		0.0063	<0.00001	0.00066	<0.001	0.02		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.84	0.0001	7.6	0.000014	8.52	0.424	11	<0.000002	0.00003	0.0008	0.0015	0.0005	0.0059	0.0002	0.11	110	<0.00002	<0.00002	0.000008	<0.000005		
	0.571	0.000067	5.87	<0.0000050	4.46	0.158	<10	<0.0000020	<0.00020	0.00058	0.000373	0.00075	0.00048	0.00028	<0.20							
	0.483	0.000073	8.38	<0.0000050	6.9	0.239	<10	<0.0000020	0.00026	0.00098	0.000512	0.00077	0.00094	0.00038	<0.20							
	0.565	<0.000040	8.53	<0.0000050	6.8	0.27	<10	<0.0000020	<0.00020	0.00085	0.000651	0.00068	0.00074	0.00038	<0.20							
	0.5	<0.0002	8.53	<0.0001	7.6	0.319	7.3	<0.00005	<0.001	0.0013	0.0006	0.0009	0.001		<0.02	110						
	1.8	0.0006	10.3	<0.0001	16.5	1.44	39.2	<0.00005	<0.001	0.0024	0.0054	0.0013	0.002		0.18							
	0.4	<0.0002	6.99	<0.0001	7.1	0.353	11.4	<0.00005	<0.001	0.0268	0.0009	0.0021	0.03		0.03							
	0.7	0.0004	7.33	<0.0001	9.8	0.403	17.1	<0.00005	<0.001	0.0015	0.0016	0.0007	0.003		0.04							
	1	<0.0002	7.12	<0.0001	11	0.54	17.7	<0.00005	<0.001	<0.0005	0.0016	0.0009	0.003		0.02							
	1	<0.0002	6.85	<0.0001	11	0.582	19.6	<0.00005	<0.001	0.0014	0.0019	0.0011	0.002		0.26							
	1.2	<0.0002	6.64	<0.0001	11.5	0.66	24	<0.00005	<0.001	0.0022	0.002	0.0008	0.003		0.06							
	3.6	<0.0002	7.4	<0.0001	13.1	0.451	20.7	<0.00005	<0.001	0.003	0.0009	0.0008	0.002		<0.02							
	1.1	<0.0002	3.89	<0.0001	4	0.149	3.3	<0.00005	<0.001	0.0015	<0.0005	0.0012	0.004		<0.02							
	1.1	<0.0002	7.14	<0.0001	14.2	0.668	23.1	<0.00005	<0.001	0.0022	0.0014	0.0009	0.007		0.03							
	1	<0.0002	6.8	<0.0001	13	0.666	22.3	<0.00005	<0.001	0.0018	0.0018	0.0012	0.006		0.03							
	0.9	<0.0002	7.27	<0.0001	11	0.547	15.5	<0.00005	<0.001	0.0012	0.0013	0.0006	0.004		<0.02							
	1.5	<0.0002	6.56	<0.00001	12.4	1.3	32	<0.00005	<0.001	0.0026	0.0049	0.0009	0.002		0.17							
		<0.0006		<0.0001		1.65		<0.00001	<0.0001	0.0008	0.0059	0.00077	<0.001	0.0001	0.05		<0.0001	<0.0001	<0.0001	<0.0001		
	0.97	<0.0006	1.83	<0.00001	3.38	0.134		<0.00001	<0.0001	0.0016	<0.0006	0.00075	0.012	0.0004	0.02	120	<0.0001	<0.0001	<0.0001	<0.0001		
	0.77	<0.0006	3.16	<0.00001	8.54	0.355		<0.00001	<0.0001	0.0008	0.0008	0.00091	0.001	0.0005	0.03		0.0004	<0.0001	<0.0001	<0.0001		
	0.89	<0.0006	7	<0.00001	10.8	0.516		<0.00001	<0.0001	0.001	0.0012	0.0007	0.004	0.0003	<0.01		<0.0001	<0.0001	0.0002	<0.0001		
	1	<0.0006	7.17	<0.00001	10.4	0.559		<0.00001	<0.0001	0.001	0.0014	0.00068	0.002	0.0003	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.53	<0.0006	8	<0.00001	6.74	0.208		<0.00001	<0.0001	0.002	<0.0004	0.00118	0.004	0.0005	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
																				FIELD	
																				FIELD	
																				FIELD	
																				FIELD	
																					22.6
																					20.6

SURFACE WATER - STREAMS

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W12	Williams Creek d/s of Confluence w NL Creek	01-Oct-2008		0.1673		<2	242	140	0.7	7.95	8.01	281		251	2.5	10.86	78.3		
		26-Nov-2008				6	344	505	<0.1	7.28	7.84	1017		411	0.1				
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.6219		40	150	98.6	32.7	8.45	7.9	197.3		154	0.7	8.69	65.5		77.8
		11-Jul-2009		0.037		3	240		0.6	8.89	8.1	234.3		352	6.6	9.31	76.1	195.8	172
		08-Sep-2009		0.052		1	260		0.7	8.1	8.2	247.4		407	3.7	11.38	86.0	99.8	209
		15-Oct-2009	Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			<1	260		0.4	7.88	8.1	238.7		435	0.0	10.3	70.5	98.1	202
		22-Apr-2010	Freshet conditions; some ice still present but not at cross section where flow measured; no samples collected, only installing loggers	0.564															
		11-May-2010	Stream flowing through proper channel. No longer flowing through vegetation. Staff gauge = 0.378 m. No manual flow measurements collected though data logger is functioning properly.		0.378	17	150		6.9	7.92	7.8	89		185	0.3	11.92	87.78	77.5	96.4
		10-Jun-2010		0.029		7	270		0.6	7.8	8.2	240.3		414	3	12.28	91.4	380.6	188
		18-Aug-2010		0.1	0.206	7	220		2.4	8.14	8.21	323.4		333	6	9.6	85.8	83.1	161
		20-Oct-2010		0.026	0.121	4	240		1.5	7.85	8.15	168.7		343	-0.1			353.4	168
		19-May-2011	Logger install; High Stage	1.638	0.63														
		31-May-2011	Water from Williams creek noticeably more turbid than Nancy Lee; water level has recently dropped	0.153	0.215	34	170		52.2	8.33	7.98	130.5		249	4.3	13.8	100		122
		28-Jun-2011		0.238	0.272	8	160		4.3	8.04	7.95	142		218	7.2	11.29	101.6	77.1	106
		07-Sep-2011	Moderate flows.	0.179	0.235	1	170		0.8	8.08	8.28		247.1	260	4.4	13.02	100.1	120	119
		27-Oct-2011		0.008		2	210		0.6	8.22	8.06		628.89	349	0.2				164

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W12	120	105	130	<6		<5	90	0.71						23	<0.05	<0.01	0.1		<0.06	<0.05	0.08	<0.05	26.3	19.6	19	0.085
	203	150	180	<6		<5	23	1.99						54.8	<0.05				0.31	<0.05	0.08		31.9	9.3	9.5	0.013
	77.1	65	79	<0.5	<0.5	<0.5	120	1.7		0.0007		0.0014		2.4	<0.005	<0.005	<0.02	0.7	0.7	0.017	0.015		12.6	25.1	24.6	**0.378**
	180	140	170	<0.5	<0.5	<0.5		1.6		<0.0005		<0.0005		47	<0.005	<0.005	<0.02			0.008	<0.005			11.2	10.9	0.0227
	208	160	190	<0.5	<0.5	<0.5		2		<0.0005		<0.0005		57	<0.005	<0.005	<0.02			0.008	<0.005			9.8	9.8	0.0273
	210	160	200	<0.5	<0.5	<0.5				<0.0005		<0.0005												8	8.6	0.0122
	92.7	73	89	<0.5	<0.5	<0.5	100	1.2		0.0006		0.0006		20	0.02	<0.005	<0.02	0.51	0.51	0.009	<0.005		15.4	22	22.2	**0.234**
	197	150	180	<0.5	<0.5	<0.5	15	1.9		0.001		0.0008		67	0.02	<0.005	0.06	0.87	0.8	0.009	<0.005		31.8	8.1	8	0.0292
	159	140	170	<0.5	<0.5	<0.5	50	1.1				<0.0005		41	0.18	<0.005	<0.02	0.25	0.25	0.008	<0.005		5	15.1	15.8	**0.12**
	174	140	170	<0.5	<0.5	<0.5	30	1.2		0.0006		<0.0005		35	0.02	<0.005	0.03	0.4	0.37	0.006	<0.005		31.7	12.9	13.3	0.0274
	117	100	120	<0.5	<0.5	<0.5	100	1.4		<0.0005		<0.0005		30	0.008	0.011	<0.02	0.46	0.43	0.021	<0.005		23.8	18.7	19.2	**1.25**
	107	97	120	<0.5	<0.5	<0.5	60	2		0.0017		0.0016		16	0.032	<0.005	<0.02	0.43	0.43	0.012	0.009		21.8	21.6	21.9	0.099
	126	110	140	<0.5	<0.5	<0.5	50	1.4		<0.005		<0.005		18	0.068	<0.005	<0.02	0.25	0.25	0.007	<0.005		26.2	20.8	21	0.0354
	169	130	160	<0.5	<0.5	<0.5	20	1.3		<0.0005		<0.0005		33.6	0.019	<0.005	0.05	0.24	0.18	0.013	0.008		34.1	12.7	11.7	0.0316

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W12	<0.0002	0.0004	0.034	<0.0001	<0.0005	0.008	<0.00001	35.8	0.0006	<0.0001	0.002	0.16	0.0002	0.002	8.2	0.009	<0.00001	0.002	
	<0.0002	0.0003	0.044	<0.00004	<0.0001	0.016	<0.00001	57.8	0.0005	0.00004	0.003	0.04	0.0001	0.002	14.1	0.0036	<0.00001	0.00134	
	0.00007	0.00069	0.0403	0.00004	0.000007	<0.05	0.00003	22.8	0.0006	0.000393	**0.00401**	**0.614**	0.000583	0.001	5.09	0.0387	<0.00001	0.0007	
	0.00005	0.00041	0.0383	<0.00001	<0.000005	<0.05	<0.000005	51.8	<0.0001	0.000045	0.00209	0.073	0.00002	0.002	10.5	0.00453	<0.00001	0.00087	
	0.00006	0.0004	0.0479	<0.00001	<0.000005	<0.05	0.000241	62.2	**0.0014**	0.000051	0.00184	0.065	0.000269	0.0022	13.2	0.00602	<0.00001	0.00191	
	0.00005	0.00035	0.0478	<0.00001	<0.000005	<0.05	0.000018	58.7	<0.0001	0.000034	0.0019	0.034	0.000043	0.0023	13.6	0.00383	<0.00001	0.00174	
	0.00006	0.00058	0.0344	0.00002	<0.000005	<0.05	0.000027	28.2	0.0006	0.000287	**0.00289**	**0.44**	0.000427	0.0012	6.3	0.0424	<0.00001	0.00094	
	0.00006	0.00033	0.0459	<0.00001	<0.000005	<0.05	0.000025	53.3	0.0002	0.000052	0.00183	0.053	0.000113	0.0023	13.3	0.00516		0.00183	
	0.00006	0.00052	0.052	0.00001	<0.000005	<0.05	**0.0127**	46.5	0.0006	0.000113	0.00289	0.211	0.000372	0.0018	10.8	0.0108	<0.00001	0.00158	
	0.00005	0.00037	0.042	<0.00001	<0.000005	<0.05	0.000009	48.4	0.0002	0.000043	0.00221	0.09	0.000028	0.0018	11.5	0.00482	<0.00001	0.00145	
	0.00013	0.00115	0.0531	0.00006	<0.00002	<0.05	0.000047	35.2	**0.0026**	0.00101	**0.0059**	**2.02**	0.00103	0.0023	8.4	0.0509	<0.00001	0.00184	
	0.00006	0.00051	0.0323	0.00002	<0.000005	<0.05	0.000009	31.9	0.0003	0.000111	**0.00249**	0.229	0.000085	0.0011	6.43	0.00908	<0.00001	0.00089	
	0.00005	0.00054	0.0339	<0.00001	<0.000005	<0.05	0.000018	35.3	0.0004	0.000076	0.00194	0.194	0.000046	0.0012	7.44	0.00844	<0.00001	0.00097	
	0.00005	0.00041	0.0418	<0.00001	<0.000005	<0.05	0.000009	47.6	0.0002	0.000049	0.00201	0.111	0.000051	0.0016	11	0.00766	<0.00001	0.00139	

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W12	0.0011		0.6	<0.0002	7.37	0.00012	7.9	0.356	7.9	<0.00005	<0.001	0.0043	0.0006	0.0011	0.008	<0.001	0.032	<0.0002	0.0004	
	<0.001	<0.01	1	<0.0006	6.7	<0.00001	10.6	0.687		<0.00001	<0.0001	0.0015	0.0022	0.00053	0.005		<0.005	0.0009	0.0004	
	0.00181	0.056	0.78	0.00005	5.2	0.000005	3.95	0.176	4	0.000005	<0.00001	0.0146	0.000347	0.0015	0.0038	0.0008	0.0612	0.00005	0.00047	
	0.00062	0.009	0.82	0.00009	6.69	<0.000005	8.05	0.481	18	<0.000002	<0.00001	0.0008	0.00158	0.0006	0.0004	0.0002	0.0115	0.00008	0.00044	
	0.0007	0.022	1.09	0.0001	7.8	<0.000005	10.3	0.617	21	<0.000002	0.00003	0.0006	0.00169	0.0004	0.0053	0.0002	0.0104	0.00007	0.00036	
	0.00056	0.005	0.98	0.00015	6.5	<0.000005	9.93	0.667	23	<0.000002	<0.00001	<0.0005	0.00226	0.0003	0.0011	0.0002	0.0088	0.00005	0.00033	
	0.00141	0.03	0.85	0.00007	5.26	<0.000005	5.67	0.233	<10	0.000004	<0.00001	0.0093	0.000431	0.0013	0.0057	0.0004	0.0341	0.00005	0.00045	
	0.00065		1.12	0.00016	6.01	<0.000005	9.91	0.612	23	<0.000002	<0.00001	0.0009	0.00205	0.0006	0.0032	0.0001	0.0096	0.00005	0.00033	
	0.00104	0.023	0.98	0.00009	7.22	0.000007	9.25	0.477	15	<0.000002	0.00001	0.0045	0.00109	0.0012	0.0168	0.0003	0.0176	0.00005	0.0004	
	0.00074	0.007	0.89	0.00011	8.03	<0.000005	8.89	0.506	15	<0.000002	<0.00001	0.0007	0.00144	0.0004	0.0012	0.0002	0.0187	0.00006	0.00041	
	0.0037		1	0.00016	8.52	0.000022	6.2	0.333	<50	0.000021	<0.0002	0.05	0.000668	0.0043	0.008	0.0006	0.0298	0.00005	0.00043	
	0.00117		0.47	0.00009	8.1	<0.000005	5.83	0.26	<10	<0.000002	<0.00001	0.004	0.000479	0.001	0.0013	0.0004	0.0289	0.00005	0.00048	
	0.00102	0.009	0.59	0.00008	8.39	<0.000005	6.54	0.305	<10	<0.000002	0.00002	0.0012	0.000579	0.0007	0.0013	0.0003	0.0225	0.00006	0.00058	
	0.00131	0.011	0.92	0.00011	7.7	0.000007	9.05	0.485	14	<0.000002	<0.00001	0.001	0.00118	0.0006	0.0013	0.0002	0.0143	0.00005	0.0004	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W12	0.034	<0.0001	<0.0005	0.008	<0.00001	35.6	<0.0005	<0.0001	0.002	0.1	<0.0001	0.001	8	<0.005	<0.00001	0.001	<0.0005			
	0.045	<0.00004		0.018	0.00006	58	0.0004	0.00004	0.002	0.056	0.0003	0.003	14.1	0.0107	<0.00001	0.00128	<0.001	<0.01		
	0.0272	0.00002	<0.000005	<0.05	0.000012	22.6	0.0001	0.000111	0.00377	0.185	0.000082	0.0007	5.05	0.0067	<0.00001	0.00084	0.00108	0.017		
	0.0403	<0.00001	<0.000005	<0.05	<0.000005	53.7	<0.0001	0.000035	0.00212	0.057	0.000214	0.0019	11.1	0.003	<0.00001	0.00099	0.00066	0.006		
	0.0473	<0.00001	<0.000005	<0.05	0.000045	61.7	0.0003	0.000033	0.00174	0.04	0.000135	0.0023	13.2	0.0031	<0.00001	0.00187	0.00066	0.011		
	0.0493	<0.00001	<0.000005	<0.05	0.000023	60.8	<0.0001	0.000029	0.00196	0.028	0.000049	0.0024	14.3	0.00346	<0.00001	0.00174	0.00057	0.01		
	0.0279	<0.00001	<0.000005	<0.05	0.00001	27.1	<0.0001	0.000092	0.00192	0.148	0.000104	0.0008	6.08	0.0217	<0.00001	0.00087	0.00093	0.012		
	0.0462	<0.00001	<0.000005	<0.05	0.000019	56.7	0.0002	0.000031	0.00153	0.016	0.000057	0.0022	13.5	0.00273		0.00195	0.00052			
	0.0398	<0.00001	<0.000005	<0.05	0.000022	45.5	0.0006	0.00004	0.00196	0.08	0.000133	0.0017	11	0.0024	<0.00001	0.00164	0.00087	0.008		
	0.0397	<0.00001	<0.000005	<0.05	0.000022	49.7	0.0003	0.000047	0.00247	0.072	0.000094	0.0017	12.2	0.00366	<0.00001	0.00146	0.00087	0.008		
	0.0315	<0.00001	<0.000005	<0.05	0.000012	34	0.0002	0.000048	0.00212	0.095	0.00006	0.0011	7.74	0.00161		0.00147	0.00085			
	0.0302	<0.00001	<0.000005	<0.05	0.000005	31.9	0.0003	0.000053	0.00239	0.112	0.000016	0.001	6.63	0.00223		0.00091	0.00097			
	0.0364	<0.00001	<0.000005	<0.05	0.000021	37.5	0.0003	0.000069	0.00204	0.178	0.000035	0.0011	7.84	0.00731	<0.00001	0.00087	0.00106	0.008		
	0.0426	<0.00001	<0.000005	<0.05	0.000012	48.7	0.0002	0.000047	0.00234	0.08	0.000242	0.0017	11.4	0.00554	<0.00001	0.00152	0.00114	0.01		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
W12	0.6	<0.0002	7.96	<0.00001	8.3	0.338	7.8	<0.00005	<0.001	0.0016	0.0005	0.0009	0.003		0.5							
	1	<0.0006	6.8	<0.00001	10.6	0.704		0.00001	<0.0001	0.0006	0.0023	0.00043	0.004	0.0002	0.08		<0.0001	<0.0001	<0.0001	<0.0001	0.0001	
	0.76	0.00008	4.7	<0.000005	4.14	0.177	5	<0.000002	<0.00001	0.0041	0.00028	0.0006	0.0018	0.0004	<0.02	NC	<0.00002	<0.00002	0.00005	0.000113		
	0.89	0.0001	6.44	<0.000005	8.65	0.508	18	<0.000002	<0.00001	<0.0005	0.00167	0.0006	0.0008	0.0002	<0.02	110	<0.00002	<0.00002	0.000011	0.000014		
	1.05	0.00012	7.7	<0.000005	10.3	0.603	18	<0.000002	<0.00001	0.0008	0.00174	0.0003	0.0032	0.0002	<0.02	110	<0.00002	<0.00002	0.000013	0.000016		
	1.04	0.00013	6.3	<0.000005	10.4	0.683	20	<0.000002	0.00001	<0.0005	0.00227	0.0004	0.0018	0.0002			<0.00002	<0.00002	0.000009	0.000009		
	0.76	0.00007	4.95	<0.000005	5.44	0.23	<10	<0.000002	<0.00001	0.0008	0.000421	0.0006	0.0016	0.0003	<0.02		<0.00002	<0.00002	0.000016	0.000041		
	1.14	0.00016	6.82	<0.000005	10.2	0.644	24	<0.000002	<0.00001	<0.0005	0.0021	0.0006	0.0025	0.0001	0.06							
	0.95	0.00009	7.13	<0.000005	9.47	0.47	12	<0.000002	<0.00001	<0.0005	0.00118	0.0005	0.0024	0.0003	<0.02		<0.00002	<0.00002	0.000013	0.000022		
	0.91	0.00012	8.27	<0.000005	9.6	0.508	16	0.000002	<0.00001	<0.0005	0.00144	0.0003	0.0052	0.0002	0.03		<0.00002	<0.00002	0.00001	0.00001		
	0.74	0.00011	6.76	<0.000005	6.49	0.318	<10	<0.000002	<0.00001	0.0021	0.000565	0.0006	0.0005	0.0003	0.03							
	0.48	0.0001	7.94	<0.000005	6.09	0.264	<10	<0.000002	<0.00001	0.001	0.00045	0.0008	0.0006	0.0003	<0.02							
	0.61	0.00014	8.5	<0.000005	6.88	0.313	<10	<0.000002	<0.00001	0.0012	0.000571	0.0007	0.002	0.0003	<0.02	NC	<0.00002	<0.00002	0.000011	0.000017		
	0.93	0.00012	7.5	0.000023	9.45	0.506	14	<0.000002	0.00004	<0.0005	0.00133	0.0005	0.0068	0.0002	0.05	110	<0.00002	<0.00002	0.000007	<0.000005		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C	
W12																					
																			FIELD		
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																			FIELD		

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		25-May-2012	Ion Balance Non-Calculable	0.282	0.302	13.6	148			8.04	7.97		177	181	2.9	14.5	107	320.6	87.1
		10-Aug-2012	Modified area of staff gauge to allow for metering. Staff gauge before modification = 0.342 m. Ion Balance Non-Calculable.	0.323	0.364	17.9	206			8.01	8.17		258.6	247	6.7	13.65	119	58.5	125
		03-Oct-2012		0.168	0.34	3.5	208			7.8	8.28		309	277	0.00	15.22	104.2	92.3	135
		Aug-94				<10			0.4	8.01	8.1		251.5	421	6.31				
		01-Oct-2005	In situ para.: pH and conductivity only				159			8.4	8.08	280		284					
		30-Mar-2006				<2			1.4	6.91	8.09	408		670					
		07-Jun-2006		0.0511		<2		714	1.5	8.24		366		293	4.00	8.12		161	
		12-Jul-2006		0.0219		<2		542	0.6	8.57		1088		417		8.51		29	
		16-Aug-2006		0.0183		<2		257	0.5	7.87		515		449	5.50	8.28			
		14-Sep-2006		0.0111		4		238	0.3	7.93		473		467	3.40	9.71			
		17-Oct-2006		0.0106		6	293	280	1.1	8.38	8.2	246		473	1.20	10.81		51.0	
		19-Apr-2007	Discharge not measured, overflow			<2	462	357	<0.1	7.8	8.25	694		634	-0.5				
		10-May-2007		0.2957		18	162	79.3	2.8	**5.63**	7.76	163		144	-0.50	7.93			
		21-Jun-2007	Site Access Flooded, not sampled																
		25-Jul-2007		0.0433		4	288	220.0	3.4	8.1	7.96	438.0		399	5.9	9.35			
		14-Aug-2007		0.0119		<2	310	238.0	<0.1	7.29	8.11	421.0		433	5.0	9.11	86.7		
		13-Sep-2007		0.0187		<2	296		0.1	8.59	8.09			362	1.0	11.20	90.3		
		12-Oct-2007	Site Inaccessible																
		06-Mar-2008				7	96	351	0.5	8.71	8.31	708		611	-0.50	13.50	45.70		
		17-Apr-2008				<2	428	187	0.3		8.23	385		602	-0.50		89.30		
		14-May-2008		0.3314		14	190		2.4	8.05	7.69	157.1		144	-0.5		89.6		
		03-Jun-2008		0.0416		<2	254	300	1.2	7.49	8.08	609		299	2.0				
		29-Jul-2008		0.0390		<2	284	226	0.4	8.2	8.08	446		360	4.8	10.69	85.7		
		21-Aug-2008		0.0060		<2	342		0.7	7.62	8.15	357		407	3.7	5.65	52.2		
		03-Sep-2008		0.1559		7	208	117	1.3	7.8	8.01	232		201	2.6	13.16	97.6		
	Williams Creek u/s	01-Oct-2008		0.0660		<2	248	148	0.7	7.95	8.08	297		264	1.5	11.86	86.8		

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	85.4	78.9	96.3	<0.50	<0.50	<0.50		1.2	0.21				11.7	0.027	<0.050	<0.20								17.3	18.2	**0.144**
	120	115	141	<0.50	<0.50	<0.50		1.4	0.26				13	0.0098	<0.050	<0.20								22.3	22.4	**0.146**
	134	126	153	<0.50	<0.50	<0.50		1.1	0.27				18.7	0.016	<0.050	<0.20								18.6	18	0.0538
	195	163						1.69	0.33				56.8		0.039	<0.005										<0.06
	140	114	139	<6	<5	<5		0.6					31.1	<0.05	<0.005	0.02		0.37	<0.1	0.09						**0.232**
	351													<0.05				0.3	<0.1	0.14			7.4			<0.005
	149													<0.05				0.36	<0.1	0.13		22.2	12.6	12.5		0.085
	209													<0.05				0.17	<0.1	0.09		39	7	6.8		0.016
	216													<0.05				0.19	<0.1	0.05		40	7.4	7.8		**0.11**
	226													<0.05				0.15	<0.05	0.06		40.2	6.2	5.8		<0.01
	225	167	204	<6		<5	9	1.9						<0.05	<0.005	0.08		0.19	0.07	0.04		40	6.1	6.6		0.008
	301	205	250	<6		<5	50	4					133	<0.05	<0.05	0.1		0.51	0.07	0.07	0.06	47.6	13	13.3		0.01
	81	61	75	<6		<5	>60	0.5					12.8	<0.05	<0.05	<0.1		2.73	0.08	0.04		13.8	38.4	39.4		**0.635**
	201	156	190	<6		<5	30	1.4					67	<0.05	<0.05	<0.1		0.48	<0.05	0.08		35	10.5	10.8		**0.258**
	207	167	203	<6		<5	22	1.8					68	<0.05	<0.05	0.2		0.23	<0.05	0.06		44.1	8.7	8.8		0.025
	187	178	217	<6		<5	28	1.74					60.4	<0.05	<0.02	<0.02		0.26	<0.05	0.08		35	8.5	8.8		0.02
	367	259	316	<6		<5	31	4.37					118	<0.05	<0.02	<0.02		0.63	<0.05	0.09		64.9	9.9	9.1		0.036
		228	277	<6		<5	17	3.92					115	<0.05	<0.02	0.08		0.22	<0.05	0.04		50	6.3	6.8		<0.02
	70	57	70	<6		<5	290	0.42					12.1	<0.05	0.03	<0.02		1.08	<0.05	0.04		11.1	39.3	40.2		**0.22**
	152	117	140	<6		<5	60	1.17					46.4	<0.05	0.04	0.04		0.45	<0.05	0.06	<0.05	25.5	14.7	15.1		0.06
	199	155	190	<6		<5	33	1.37					58.7	<0.05	0.03	<0.01		0.35	<0.05	0.07		35.4	9.8	10.2		0.01
	205	153	190	<6		<5	22	1.94					66.3	<0.05	<0.01	0.04		0.26	<0.05	0.06		38.1	8.8	8.5		0.015
	110	96	100	<6		<5	130	0.47					16.9	<0.05	0.04	<0.01		0.63	<0.05	0.11		20.8	26.1	27.8		**0.151**
	130	109	130	<6		<5	80	0.68					25.6	<0.05	<0.01	<0.01		0.61	<0.05	0.08	<0.05	27.8	19.1	19.2		0.068

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.000052	0.000502	0.0298	0.000016	<0.0000050	<0.050	0.0000215	25.8	0.00037	0.000169	**0.00247**	**0.362**	0.000157	0.0009	5.52	0.023	<0.000010	0.000793		
	0.000065	0.00069	0.0348	0.000017	<0.0000050	<0.050	<0.0000050	37.7	0.00043	0.000215	0.00255	**0.518**	0.000179	0.00105	7.49	0.0547	<0.000010	0.000653		
	0.000049	0.000521	0.0329	<0.000010	<0.0000050	<0.050	<0.0000050	40	0.00028	0.000097	0.00169	0.278	0.000054	0.00101	8.48	0.0291	<0.000010	0.00088		
	<0.06	<0.06	0.062	<0.001		0.02	<0.006	57.7	**0.02**	<0.006	<0.006	0.015	<0.06		14.1	<0.001		<0.01		
	<0.0002	0.0005	0.039	<0.0001	<0.0005	0.008	<0.00001	38.1	0.0008	0.0001	0.002	0.3	0.0001	0.002	9	0.013		0.002		
	<0.0002	0.0004	0.091	<0.0001	<0.0005	0.035	0.00001	95.2	<0.0005	<0.0001	0.002	<0.1	0.0001	0.007	24.5	<0.005		0.002		
	<0.0002	0.0004	0.043	<0.0001	<0.0005	0.013	0.00002	39.6	<0.0005	<0.0001	0.002	0.1	0.0001	0.002	9.7	<0.005		0.003		
	<0.0002	0.0003	0.057	<0.0001	<0.0005	0.017	<0.00001	63.7	<0.0005	<0.0001	0.001	<0.1	<0.0001	0.002	14.2	<0.005		0.003		
	<0.0004	<0.0004	0.067	<0.0002	<0.001	0.02	<0.00002	58	<0.001	<0.0002	<0.002	<0.2	<0.0002	0.003	14	<0.01		0.003		
	<0.0004	0.0004	0.061	<0.0002	<0.001	0.02	<0.00002	62.3	<0.001	<0.0002	<0.002	<0.2	<0.0002	0.003	15	<0.01		0.003		
	<0.0002	0.0003	0.062	<0.0001	<0.0005	0.018	<0.00001	64.4	<0.0005	<0.0001	0.001	<0.1	0.0001	0.003	17	<0.005		0.003		
	<0.0002	0.0004	0.075	<0.0001	<0.0005	0.01	<0.00001	79.2	<0.0005	<0.0001	0.001	<0.1	<0.0001	0.003	27.2	0.009		0.003		
	<0.0004	0.0005	0.039	<0.0002	<0.001	0.009	0.00003	23.7	0.001	0.0004	**0.007**	**0.8**	0.0003	<0.002	6.2	0.054	<0.0001	<0.002		
	<0.0002	0.0008	0.063	<0.0001	<0.0005	0.016	0.00002	51.8	0.0007	<0.0001	0.002	0.3	0.0013	0.002	13.4	0.012	<0.00002	0.004		
	<0.0002	0.0005	0.059	<0.0001	<0.0005	0.019	<0.00001	55.8	<0.0005	<0.0001	0.002	<0.1	<0.0001	0.003	13.9	<0.005	<0.00002	0.003		
	<0.0002	0.0003	0.052	<0.0001	<0.0005	0.02	<0.00001	51.6	<0.0005	0.0003	0.002	<0.1	<0.0001	0.002	13.1	<0.005	<0.00002	0.005		
	<0.0002	0.0006	0.101	<0.0001	<0.0005	0.022	0.00004	95.7	**0.0015**	0.0001	0.002	<0.1	0.0011	0.006	25.3	0.006	<0.00001	0.002		
	<0.0002	<0.001	0.079	<0.00004		0.023	<0.00007	82.7	**0.0011**	<0.00002	<0.001	0.02	**0.0037**	0.005	20.5	0.0086	<0.00001	0.00128		
	<0.0002	0.0002	0.031	0.00007		<0.005	<0.00007	20.6	0.001	0.00026	0.002	**0.49**	0.0002	<0.001	4.71	0.0442	0.00001	0.0007		
	<0.0002	<0.0002	0.04	0.00007		0.011	<0.00007	42.4	**0.0013**	0.00009	0.002	0.14	<0.0001	0.001	10.7	0.0043	<0.00001	0.00248		
	<0.0002	0.0004	0.05	<0.00004		0.016	<0.00008	56.4	<0.0004	0.00006	0.002	0.03	<0.0001	0.002	13.8	0.0008	<0.00001	0.00261		
	<0.0002	0.0004	0.053	<0.00004		0.016	<0.00001	58.2	0.0007	0.00005	<0.001	0.03	<0.0001	0.002	14	0.0009	<0.00001	0.00278		
	<0.0002	0.0003	0.035	<0.00004		<0.005	<0.00001	33.4	0.0009	0.00016	**0.003**	**0.41**	0.0002	0.001	7.85	0.0088	0.00001	0.00146		
	<0.0002	0.0004	0.035	<0.0001	<0.0005	0.009	<0.00001	33.9	<0.0005	<0.0001	**0.003**	0.13	0.0008	0.002	8.1	<0.005	<0.00001	0.002		

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.00122	0.0214	0.669	0.000083	5.99	<0.0000050	4.99	0.192	<10	0.0000026	<0.00020	0.00695	0.00042	0.0012	0.00107	0.00039	0.0272	0.000057	0.000467	
	0.00137	0.0206	0.496	0.000069	8.8	0.000008	7.44	0.273	<10	0.000002	0.00026	0.00646	0.000528	0.00137	0.00168	0.00043	0.026	0.000079	0.000589	
	0.000955	0.0135	0.638	0.000074	8.9	<0.0000050	7.44	0.306	<10	<0.0000020	<0.00020	0.00162	0.000632	0.00073	0.0011	0.00033	0.022	0.000051	0.00052	
	<0.02	<0.1	1.3	<0.06	7.37	<0.01	11.6	0.659			<0.06	0.003		<0.01	<0.002		<0.05	<0.05	<0.05	
	0.0011		0.7	<0.0002	8.08	<0.0001	9.2	0.401	9.4	<0.00005	<0.001	<0.0005	0.0005	0.0014	0.002	<0.001	0.018	<0.0002	0.0004	
	<0.0005		2.5	0.0005	8.88	<0.0001	17.8	1.14	38.5	<0.00005	<0.001	0.0023	0.0044	0.0003	0.002	<0.001	<0.005	<0.0002	0.0005	
	<0.0005		1	<0.0002	5.72	<0.0001	9.1	0.388	13.9	<0.00005	<0.001	0.0035	0.0007	0.001	0.001	<0.001	0.023	<0.0002	0.0005	
	0.0005		1.2	<0.0002	6.34	<0.0001	12.5	0.704	26.4	<0.00005	<0.001	0.0018	0.0018	0.0006	0.002	<0.001	<0.005	<0.0002	0.0003	
	<0.001		1.2	<0.0004	6.48	<0.0002	13	0.682	25.4	<0.0001	<0.002	0.0064	0.002	0.001	<0.002	<0.002	<0.005	<0.0002	0.0004	
	<0.001		1.3	<0.0004	6.31	<0.0002	13	0.69	26.7	<0.0001	<0.002	0.002	0.002	0.0007	0.004	<0.002	0.005	<0.0002	0.0004	
	0.0005		1.2	<0.0002	6.75	<0.0001	12.2	0.778	26.4	<0.00005	<0.001	0.0015	0.0023	0.0007	0.003	<0.001	<0.005	<0.0002	<0.0002	
	<0.0005		2.8	0.0002	8.56	<0.0001	22.8	0.936	45.8	<0.00005	<0.001	0.0025	0.0018	0.0004	0.002	<0.001	<0.005	<0.0002	0.0004	
	0.0026	<0.02	1	<0.0004	5.38	<0.0002	4.4	0.209	4.4	<0.0001	<0.002	0.0276	<0.001	0.0026	0.01	<0.002	0.039	<0.0002	0.0005	
	<0.0005	<0.02	1.1	<0.0002	7.15	<0.0001	13.8	0.742	21.4	<0.00005	<0.001	0.0132	0.0012	0.0016	0.007	<0.001	0.013	<0.0002	0.0006	
	0.0014	<0.02	1.2	<0.0002	6.55	<0.0001	13.1	0.714	22.6	<0.00005	<0.001	0.0025	0.0016	0.001	0.003	<0.001	0.007	<0.0002	0.0004	
	0.0011	<0.02	1.1	<0.0002	6.78	<0.0001	12.4	0.67	19.4	<0.00005	<0.001	0.0022	0.0016	0.001	0.013	<0.001	0.007	0.0007	0.0004	
	0.0008	<0.02	2.5	0.0005	8	0.00002	19.5	1.14	39.6	<0.00005	0.001	0.0037	0.0049	0.0008	0.012	<0.001	0.007	0.001	0.0006	
	0.001	0.02	2.11	<0.0006	4.2	<0.001	15.7	0.94		<0.00001	<0.004	0.0006	0.0034	0.00018	0.004	<0.0001	<0.01	0.0008	0.0004	
	0.005	0.05	0.96	<0.0006	2.21	<0.0001	4.2	0.18		<0.00001	<0.0001	0.0084	<0.0005	0.0014	0.003	0.0004	<0.01	0.0008	<0.0002	
	0.001	0.01	0.91	<0.0006	3.07	<0.00005	9.7	0.452		<0.00001	<0.0001	0.003	0.0008	0.00105	0.006	0.0004	<0.01	0.0009	<0.0002	
	<0.001	0.01	1.11	<0.0006	6.69	<0.00001	13.1	0.668		<0.00001	<0.0001	0.001	0.0012	0.00073	0.007	0.0002	<0.01	0.0006	0.0004	
	<0.001	0.01	1.15	<0.0006	6.54	<0.00001	12.8	0.686		<0.00001	<0.0001	0.0011	0.0016	0.00074	0.006	0.0002	0.012	0.001	<0.0002	
	<0.001	0.02	0.66	0.0007	8.62	<0.00001	7.9	0.308		0.00002	0.0003	0.0096	<0.0004	0.00159	0.005	0.0004	0.034	0.0004	0.0006	
	0.0012		0.8	<0.0002	6.19	0.00009	8.3	0.372	8.2	<0.00005	<0.001	0.0035	<0.0005	0.001	0.007	<0.001	0.023	<0.0002	0.0004	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.0255	0.000011	<0.0000050	<0.050	0.0000277	25.3	0.00023	0.0000691	0.00284	0.172	0.0000804	0.00074	5.41	0.0034	<0.000010	0.000752	0.0012	0.0115		
	0.031	<0.000010	<0.0000050	<0.050	<0.0000050	36	0.00032	0.000059	0.0021	0.188	0.0025	0.00097	7.25	0.00811	<0.000010	0.000723	0.00108	0.0106		
	0.0336	0.000011	<0.0000050	<0.050	0.000005	39.7	0.00026	0.000074	0.00173	0.212	0.000035	0.00104	8.38	0.0228	<0.000010	0.000927	0.000895	0.0106		
	0.06	0.001		0.01	<0.005	56.1	0.01	<0.005	<0.005	<0.005	<0.05		13.3	<0.001		<0.01	<0.02	<0.1		
	0.037	<0.0001	<0.0005	0.008	<0.00001	39.5	<0.0005	<0.0001	0.001	0.13	<0.0001	0.002	9.9	<0.005		0.002	0.0007			
	0.091	<0.0001	<0.0005	0.029	0.00001	96.7	<0.0005	<0.0001	<0.001	<0.01	<0.0001	0.006	26.6	<0.005		0.002	<0.0005			
	0.041	<0.0001	<0.0005	0.012	<0.00001	42.2	<0.0005	<0.0001	0.002	0.07	<0.0001	0.001	10.5	<0.005		0.003	<0.0005			
	0.059	<0.0001	0.0007	0.017	0.00001	58.5	<0.0005	<0.0001	0.001	<0.01	<0.0001	0.002	15.2	<0.005		0.003	<0.0005			
	0.058	<0.0001	<0.0005	0.017	0.00001	61.9	0.001	<0.0001	<0.001	0.01	0.0001	0.002	15	<0.005		0.004	<0.0005			
	0.057	<0.0001	<0.0005	0.02	<0.00001	64.1	0.0005	<0.0001	0.001	0.01	0.0001	0.003	15.9	<0.005		0.003	<0.0005			
	0.061	<0.0001	<0.0005	0.014	<0.00001	64.1	<0.0005	<0.0001	<0.001	<0.01	<0.0001	0.002	15.8	<0.005		0.001	0.0005			
	0.075	<0.0001	<0.0005	0.01	<0.00001	78.5	<0.0005	<0.0001	<0.001	0.02	<0.0001	0.003	25.5	0.009		0.003	<0.0005			
	0.029	<0.0001	<0.0005	0.004	0.00002	23.4	0.0008	<0.0001	0.002	0.16	<0.0001	<0.001	5.4	0.016	<0.0001	<0.001	0.0016			
	0.057	<0.0001	<0.0005	0.016	0.00001	57.3	<0.0005	<0.0001	0.001	0.03	0.0001	0.002	14.1	<0.005	<0.00002	0.004	<0.0005			
	0.057	<0.0001	<0.0005	0.018	<0.00001	58.6	<0.0005	<0.0001	0.002	<0.01	<0.0001	0.002	14.6	<0.005	<0.00002	0.003	<0.0005			
	0.053	<0.0001	<0.0005	0.016	<0.00001	52.1	<0.0005	<0.0001	0.002	0.01	<0.0001	0.002	13.9	<0.005	<0.00002	0.003	<0.0005			
	0.1	<0.0001	<0.0005	0.024	0.00002	102	0.001	<0.0001	0.002	0.01	<0.0001	0.006	27.2	<0.005	<0.00001	0.002	<0.0005			
	0.086	<0.00004		0.021	<0.00008		0.0022	0.00007	0.001	<0.01	0.0006	0.005		0.006	<0.00001	0.00161	<0.001	<0.01		
	0.026	0.00004		<0.004	<0.00008		<0.0006	0.00021	<0.001	0.206	<0.0001	<0.001		0.0179	<0.00001	0.00074	0.002	0.02		
	0.038	<0.00004		0.011	<0.00008		0.0016	0.0001	0.002	0.04	<0.0001	0.001		0.0008	<0.00001	0.00257	<0.001	0.01		
	0.052	<0.00004		0.014	<0.00008		<0.0004	0.00005	0.002	<0.01	<0.0001	0.002		0.0004	<0.00001	0.00283	<0.001	<0.01		
	0.054	<0.00004		0.014	0.00001		0.0005	0.0001	0.002	0.01	0.0002	0.002		0.0014	<0.00001	0.0027	<0.001	<0.01		
	0.032	<0.00004		0.006	<0.00001		0.0013	0.00007	0.002	0.15	0.0001	<0.001		0.0018	0.00001	0.00135	<0.001	<0.01		
	0.036	<0.0001	<0.0005	0.009	0.00001	36.7	<0.0005	<0.0001	0.003	0.07	0.0001	0.001	8.6	<0.005	<0.00001	0.002	0.0005			

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.65	0.000081	5.7	<0.0000050	4.92	0.194	<10	<0.0000020	<0.00020	0.0008	0.000376	0.00073	0.00117	0.00029	<0.20							
	0.527	0.000078	8.23	<0.0000050	7.48	0.27	<10	<0.0000020	0.00041	0.00114	0.000557	0.00076	0.00046	0.00037	<0.20							
	0.625	0.00011	8.6	<0.0000050	7.42	0.32	<10	<0.0000020	0.00037	0.00071	0.000682	0.00063	0.0024	0.00047	<0.20	100						
	1.1	<0.05	7.33	<0.01	11.3	0.646			<0.5	<0.002		<0.01	<0.002									
	0.6	<0.0002	8.21	<0.0001	8.9	0.426	10.4	<0.00005	<0.001	0.0013	0.0005	0.001	0.002		0.02	109						
	2.4	0.0005	10.1	<0.0001	17.4	1.17	38.5	<0.00005	<0.001	0.0022	0.0045	0.0007	0.002		0.1							
	1	<0.0002	5.96	<0.0001	10	0.435	15.2	<0.00005	<0.001	0.0017	0.0008	0.0012	0.003		0.05							
	1.1	<0.0002	6.75	<0.0001	11.6	0.722	25.8	<0.00005	<0.001	0.0019	0.0016	0.0007	0.002		0.05							
	1.1	0.0003	6.78	<0.0001	13.5	0.686	26.3	<0.00005	<0.001	<0.0005	0.0016	0.001	0.002		0.03							
	1.2	<0.0002	6.51	<0.0001	14.6	0.695	26.8	<0.00005	<0.001	0.0013	0.0018	0.0013	0.002		0.05							
	1.2	<0.0002	6.44	<0.0001	12.9	0.674	27.9	<0.00005	<0.001	0.0024	0.0017	0.0008	0.002		0.08							
	2.9	<0.0002	8.72	<0.0001	24.7	0.827	46.4	<0.00005	<0.001	<0.0005	0.0017	0.001	<0.001		0.02							
	1.2	<0.0002	4.14	<0.0001	4.8	0.197	4.4	<0.00005	<0.001	0.0016	<0.0005	0.0012	0.005		<0.02							
	1.1	<0.0002	7.04	<0.0001	14.5	0.684	23.6	<0.00005	<0.001	0.0023	0.0012	0.001	0.003		0.03							
	1.1	<0.0002	6.74	<0.0001	13.5	0.692	23	<0.00005	<0.001	0.0018	0.0016	0.0016	0.003		1.98							
	1	<0.0002	6.92	<0.0001	12.8	0.659	20.2	<0.00005	<0.001	0.0015	0.0014	0.0008	0.002		0.03							
	2.7	0.0004	9.81	<0.00001	20.8	1.2	42	<0.00005	<0.001	0.0027	0.0045	0.0013	0.005		0.01							
		<0.0006		<0.0001		1.15		<0.00001	<0.0001	0.0004	0.0034	0.00064	<0.001	<0.0001	0.09		<0.0001	<0.0001	<0.0001	<0.0001		
	0.94	<0.0006	2.08	<0.00001	4.13	0.185		<0.00001	<0.0001	0.0014	<0.0006	0.00075	0.002	0.0004	<0.01	120	<0.0001	<0.0001	<0.0001	<0.0001		
	0.92	<0.0006	3.13	<0.00001	10.3	0.465		<0.00001	<0.0001	0.0006	0.0008	0.00107	0.002	0.0003	0.05		0.0004	0.0003	<0.0001	<0.0001		
	1.14	<0.0006	6.64	<0.00001	13.1	0.676		<0.00001	<0.0001	0.0008	0.0013	0.00071	0.002	0.0002	0.03		<0.0001	<0.0001	0.0001	<0.0001		
	1.2	<0.0006	6.86	<0.00001	12.6	0.695		<0.00001	<0.0001	0.001	0.0013	0.0007	0.004	0.0002	0.02		<0.0001	<0.0001	<0.0001	<0.0001		
	0.59	<0.0006	7.93	<0.00001	7.74	0.283		<0.00001	<0.0001	0.0016	<0.0004	0.00123	0.001	0.0004	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.6	<0.0002	7.91	<0.00001	8.7	0.372	8.8	<0.00005	<0.001	0.0016	<0.0005	0.0009	0.004		0.01							

Station	...ed	...horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
																				FIELD	
																				FIELD	
																				FIELD	
																					22.5
																					21.1

SURFACE WATER - STREAMS

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
W13	Williams Creek d/s of Confluence w NL Creek	26-Nov-2008				120	340	444	2.8	7.06	7.92	880		379	0.3				
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].	0.2289		63	160	86	54.4	8.47	8	174		166	1	8.59	65.4		83.3
		11-Jul-2009		0.019		3	250		1.4	8.06	8.2	237.1		377	6.2	10.66	86.2	188.4	188
		08-Sep-2009		0.02		<1	280		0.4	8.16	8.2	266.2		429	3.9	11.56	88.0	103.6	220
		15-Oct-2009	No Ionic Balance Available, Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			1	250		1.1	7.95	8.1	238.5		435	-0.1	11.43	78.3	99.1	195
		11-May-2010	Considerable ice within visible stream reach. No flows collected.			30	160		17.2	7.91	7.9	103.9		210	0.2	11.78	86.5	106.5	106
		10-Jun-2010		0.009		1	270		0.3	7.89	8.2	240.2		418	2.3	12.56	91.8	382.8	185
		18-Aug-2010	Water slightly turbid	0.054		12	220		7.2	8.21	8.19	355.9		344	6.2	10.7	93.2	81.7	165
		20-Oct-2010	YSI Meter/Probe malfunctioned, could not repair in field. Flow meter froze, could not thaw in field.			1	240		1.4		8.17			343					168
		31-May-2011	Water turbid; water level has recently dropped	0.064		64	180		66.8	8.33	7.96	155.3		257	3.5	13.12	97.5		135
		28-Jun-2011		0.075		14	190		11.5	8.13	8.06	173		257	7	11.12	99.5	80.1	122
		07-Sep-2011		0.074		40	250		1.3	8.11	8.18		259.2	268	4.4	12.69	96.7	113.5	121
		27-Oct-2011				2	220		0.8	8.26	8.07		654.54	353	0.4				164
		25-May-2012	Ion Balance Non-Calculable	0.113		52.3	164			8.04	8.03		212.9	216	1.5	14.7	105	328	102
		10-Aug-2012	Mod-high flow, brown, mod-high turbidity	0.112		36.9	224			8.13	8.18		320.4	306	6.3	13.6	109.8	53	150
		03-Oct-2012		0.0591		6	222			7.87	8.31		333.4	299	0.20	14.63	100.8	100.9	142
		31-Mar-2006				<2			0.4	7.26	7.87	103.5		160					
		07-Jun-2006				98		360	25	8.26		163		130	9	10.50		156	
		12-Jul-2006				40		169	8.5	8.7		339		124		7.80		77	
		16-Aug-2006				50		69.7	6.1	8.11		139.5		391					

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W13	186	143	170	<6		<5	22	1.92					47.6	<0.05				0.36	<0.05	0.08		31.5	10	9.9	**1.12**
	84.6	68	83	<0.5	<0.5	<0.5	150	1.6		0.0008		0.0015	6.4	<0.005	<0.005	<0.02	0.65	0.65	0.021	0.018		12.8	26.9	27.6	**0.438**
	186	140	170	<0.5	<0.5	<0.5		9.7		<0.0005		<0.0005	57	<0.005	<0.005	0.03			0.007	<0.005			10.2	10.3	0.0427
	218	160	200	<0.5	<0.5	<0.5		2		<0.0005		<0.0005	53	<0.005	<0.005	0.04			<0.005	<0.005			9.1	9.3	0.016
	206	160	200	<0.5	<0.5	<0.5				<0.0005		<0.0005											7.7	8.7	0.0147
	105	82	100	<0.5	<0.5	<0.5	100	1.3		0.0007		0.0006	26	<0.01	<0.005	<0.02	0.53	0.53	0.009	<0.005		16.1	24.1	21.9	**0.364**
	191	150	180	<0.5	<0.5	<0.5	15	2		0.0008		0.0006	68	<0.01	<0.005	0.07	0.27	0.2	0.008	<0.005		30.8	8	7	0.0156
	164	140	170	<0.5	<0.5	<0.5	50	1.6				<0.0005	46	0.19	<0.005	<0.02	0.26	0.26	0.009	<0.005		0.7	15.2	15.4	**0.157**
	172	140	170	<0.5	<0.5	<0.5	20	1.1		0.0006		<0.0005	38	0.006	<0.005	0.22	0.31	0.09	0.008	<0.005		30.9	12.6	13	0.032
	124	100	130	<0.5	<0.5	<0.5	100	1.8		<0.0005		<0.0005	35	0.007	0.015	0.03	0.55	0.5	0.029	<0.005		24.1	18.3	18.3	**1.92**
	124	110	130	<0.5	<0.5	<0.5	60	1.8		0.0014		0.0012	28	0.03	<0.005	<0.02	0.48	0.48	0.019	0.008		25.4	18.8	20.9	**0.113**
	122	110	140	<0.5	<0.5	<0.5	50	1.4		<0.005		<0.005	21	0.063	<0.005	<0.02	0.23	0.23	0.008	<0.005		26.6	21.1	20.7	0.0381
	164	130	160	<0.5	<0.5	<0.5	20	1.6		<0.0005		<0.0005	36.5	0.015	<0.005	0.07	0.23	0.16	0.011	0.009		34.6	12.8	12.5	0.0393
	99.8	90.2	110	<0.50	<0.50	<0.50		1.6	0.23				18	0.028	<0.050	<0.20							17.2	14.2	**0.337**
	144	133	162	<0.50	<0.50	<0.50		2.1	0.31				27.6	0.016	<0.050	<0.20							15.4	17.2	**0.293**
	142	132	159	0.74	0.62	<0.50		1.1	0.28				23.9	0.013	<0.050	<0.20							17.4	17.1	0.083
	83													<0.05				<0.06	<0.1	0.04			2.8		0.023
	68													<0.05				0.22	<0.1	0.06		11.1	4	4.1	**2.1**
	62													<0.05				0.1	0.2	0.02		14.8	2.9	2.7	**0.791**
	193													<0.05				0.29	<0.1	0.05		38	11.5	12	0.023

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W13	<0.0002	0.0008	0.072	<0.00004	<0.0001	0.012	0.00002	54.2	0.0025	0.00066	0.005	1.48	0.0008	0.003	13.7	0.0739	<0.00001	0.00203		
	0.00007	0.00077	0.0465	0.00004	0.000009	<0.05	0.000038	24.2	0.0008	0.000538	0.00445	0.71	0.000818	0.0011	5.59	0.0491	<0.00001	0.0009		
	0.00008	0.0004	0.0498	<0.00001	<0.000005	<0.05	<0.000005	55.2	<0.0001	0.000056	0.00179	0.047	0.00004	0.0019	12.1	0.00206	<0.00001	0.00263		
	0.00006	0.00037	0.0563	<0.00001	<0.000005	<0.05	0.00001	64.5	0.0004	0.000032	0.00144	0.031	0.000088	0.0022	14.3	0.00135	<0.00001	0.00297		
	0.00006	0.00034	0.0532	<0.00001	<0.000005	<0.05	0.000014	56	0.0001	0.000035	0.00151	0.021	0.000059	0.0023	13.4	0.00104	<0.00001	0.00263		
	0.00006	0.00064	0.0388	0.00003	<0.000005	<0.05	0.000031	30.4	0.0007	0.000405	0.0028	0.647	0.000427	0.0013	7.3	0.0433	<0.00001	0.00136		
	0.00005	0.00029	0.0507	<0.00001	<0.000005	<0.05	0.000006	52.1	0.0001	0.000033	0.00112	0.025	0.000022	0.0022	13.2	0.00123		0.00274		
	0.00006	0.00056	0.0496	0.00001	<0.000005	<0.05	0.000026	46.4	0.0017	0.000181	0.00229	0.286	0.000273	0.002	11.9	0.0109	<0.00001	0.00272		
	0.00006	0.00038	0.0459	<0.00001	<0.000005	<0.05	0.000007	47.7	0.0002	0.000047	0.00179	0.062	0.000031	0.002	12	0.00143	<0.00001	0.00243		
	0.00017	0.00155	0.0665	0.00009	0.00003	<0.05	0.000076	38.3	0.004	0.00143	0.0065	3.04	0.0014	0.003	9.5	0.0679	<0.00001	0.00253		
	0.00007	0.0006	0.0397	0.00002	<0.000005	<0.05	0.000043	35	0.0004	0.000181	0.0026	0.234	0.000272	0.0014	8.45	0.0171	<0.00001	0.00189		
	0.00006	0.00049	0.0386	<0.00001	<0.000005	<0.05	0.00001	35	0.0003	0.000063	0.00191	0.162	0.000092	0.0012	8.13	0.00309	<0.00001	0.0015		
	0.00005	0.00041	0.0453	<0.00001	<0.000005	<0.05	0.000016	46.6	0.0002	0.000052	0.00183	0.077	0.000137	0.0018	11.5	0.00291	<0.00001	0.00202		
	0.000054	0.000685	0.044	0.000025	0.000006	<0.050	0.0000406	28.8	0.00068	0.000394	0.00309	0.6	0.000496	0.00119	7.41	0.0366	<0.000010	0.00142		
	0.000064	0.000762	0.0511	0.000024	<0.0000050	<0.050	0.000016	42.7	0.00066	0.000341	0.00268	0.698	0.000392	0.00143	10.5	0.0415	<0.000010	0.00188		
	0.000053	0.000513	0.0417	<0.000010	<0.0000050	<0.050	0.000008	40.8	0.00032	0.000096	0.00209	0.216	0.00016	0.0012	9.68	0.0111	<0.000010	0.00165		
	<0.0002	0.0005	0.04	<0.0001	<0.0005	0.005	<0.00001	24.3	<0.0005	<0.0001	<0.001	<0.1	<0.0001	0.001	5.6	<0.005		0.001		
	<0.0002	0.0013	0.068	<0.0001	<0.0005	0.004	0.00005	20.6	0.004	0.0012	0.004	2.4	0.0008	0.002	5.4	0.065		<0.001		
	<0.0002	0.0008	0.042	<0.0001	<0.0005	0.004	<0.00001	19.3	0.0022	0.0005	0.002	1.1	0.0005	0.001	4.2	0.028		0.001		
	<0.0004	<0.0004	0.05	<0.0002	<0.001	0.02	<0.00002	51.7	<0.001	<0.0002	0.002	<0.2	<0.0002	0.002	12	<0.01		<0.002		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
W13	0.002	0.08	1.3	<0.0006	8.92	<0.00001	11.2	0.59		<0.00001	<0.0001	0.0469	0.0016	0.00367	0.01		<0.005	0.0008	0.0003	
	0.00205	0.074	0.84	0.00009	5.4	0.000006	4.25	0.195	6	0.000008	<0.00001	0.0128	0.000308	0.0022	0.0041	0.0008	0.0724	0.00006	0.00056	
	0.00064	0.007	1.04	0.00014	7.41	<0.000005	9.85	0.554	21	<0.000002	<0.00001	0.0016	0.00111	0.0007	0.0003	0.0003	0.0083	0.00008	0.00044	
	0.00053	0.007	1.2	0.00013	8.1	<0.000005	11.7	0.653	24	<0.000002	<0.00001	0.0008	0.00142	0.0004	0.002	0.0001	0.0065	0.00007	0.00036	
	0.00094	0.005	1	0.00014	6.7	<0.000005	10.7	0.645	22	<0.000002	<0.00001	<0.0005	0.00162	0.0004	0.001	0.0002	0.0066	0.00006	0.00037	
	0.00168	0.037	0.89	0.00008	5.85	<0.000005	6.24	0.28	<10	0.000006	<0.00001	0.0138	0.000377	0.0016	0.0041	0.0005	0.049	0.00005	0.00047	
	0.00039		1.09	0.00016	6.07	<0.000005	10.7	0.603	23	<0.000002	<0.00001	0.0008	0.00138	0.0005	0.0004	0.0001	0.0045	0.00005	0.00032	
	0.00113	0.023	1.06	0.0001	7.6	<0.000005	10.4	0.514	17	0.000004	<0.00001	0.007	0.000777	0.0015	0.0036	0.0003	0.0186	0.00006	0.00045	
	0.00062	0.006	0.97	0.00013	7.98	<0.000005	9.77	0.516	16	<0.000002	<0.00001	0.0008	0.00109	0.0005	0.0012	0.0002	0.0135	0.00005	0.00034	
	0.0048		1.2	0.00019	9.96	0.000023	6.7	0.382	<50	0.000031	<0.0002	0.078	0.000704	0.0063	0.011	0.0009	0.0358	0.00006	0.00048	
	0.00137		0.65	0.00012	7.97	<0.000005	7.29	0.365	<10	0.000003	0.00005	0.0041	0.000437	0.0012	**0.0518**	0.0004	0.0149	0.00006	0.00045	
	0.00105	0.01	0.65	0.00009	8.23	<0.000005	7.03	0.348	<10	<0.000002	0.00002	0.0016	0.000425	0.0007	0.0015	0.0006	0.0195	0.00006	0.00051	
	0.0008	0.012	0.95	0.00012	7.4	<0.000005	9.73	0.508	15	<0.000002	<0.00001	0.0014	0.000938	0.0007	0.0016	0.0002	0.008	0.00005	0.00037	
	0.00169	0.0482	0.851	0.000099	6.36	0.0000108	6.23	0.267	<10	0.0000072	<0.00020	0.0123	0.000416	0.00171	0.00289	0.00055	0.0156	0.000044	0.0005	
	0.00164	0.0398	0.727	0.000077	8.8	0.000007	9.73	0.423	<10	0.000005	<0.00020	0.0094	0.000528	0.00195	0.00282	0.00037	0.0138	0.000066	0.000521	
	0.000952	0.0163	0.755	0.000181	8.64	<0.0000050	8.56	0.384	<10	<0.0000020	<0.00020	0.00402	0.000506	0.00084	0.00468	0.00029	0.0131	0.000046	0.000453	
	<0.0005		0.9	0.0003	2.72	<0.0001	2.2	0.12	3.8	<0.00005	<0.001	0.0012	0.0008	0.0003	<0.001	<0.001	<0.005	<0.0002	0.0004	
	0.0041		1.1	0.0004	5.96	<0.0001	1.8	0.085	2.9	<0.00005	<0.001	0.117	0.0009	0.006	0.007	<0.001	0.025	<0.0002	0.0004	
	0.0025		0.9	<0.0002	4.32	<0.0001	1.5	0.086	2.8	<0.00005	<0.001	0.0557	0.0008	0.0028	0.005	<0.001	0.014	<0.0002	0.0004	
	<0.001		1	<0.0004	6.46	<0.0002	10	0.551	17	<0.0001	<0.002	<0.001	0.002	0.0009	<0.002	<0.002	0.009	<0.0002	0.0004	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
W13	0.049	<0.00004		0.015	0.00001	53.2	0.0005	0.00004	0.002	<0.01	0.0001	0.003	13.1	0.0007	<0.00001	0.00214	<0.001	<0.01		
	0.0307	0.00001	<0.000005	<0.05	0.000017	24.5	0.0001	0.000112	0.00291	0.21	0.000114	0.0008	5.68	0.0107	<0.00001	0.0011	0.00113	0.02		
	0.0491	<0.00001	<0.000005	<0.05	0.000007	54.6	<0.0001	0.000034	0.00173	0.017	0.000017	0.0019	12	0.00055	<0.00001	0.00263	0.00054	0.006		
	0.0542	<0.00001	<0.000005	<0.05	0.000195	64.4	0.0004	0.000026	0.0015	0.018	0.000097	0.0021	14	0.00084	0.00001	0.00296	0.00052	0.007		
	0.0561	<0.00001	<0.000005	<0.05	0.000013	59	<0.0001	0.000021	0.00151	0.01	0.000027	0.0023	14.2	0.00055	<0.00001	0.00268	0.00046	0.004		
	0.0316	<0.00001	<0.000005	<0.05	0.000018	30	0.0002	0.000105	0.00213	0.167	0.000224	0.0009	7.39	0.0181	<0.00001	0.00147	0.00099	0.019		
	0.0514	<0.00001	<0.000005	<0.05	0.000005	53.7	0.0001	0.000026	0.00117	0.008	<0.000005	0.002	13.7	0.00036		0.00292	0.00041			
	0.0461	<0.00001	<0.000005	<0.05	0.00001	46.3	0.0015	0.000036	0.00185	0.068	0.000199	0.0017	11.8	0.00111	<0.00001	0.00272	0.00069	0.006		
	0.0438	<0.00001	<0.000005	<0.05	0.000021	49	0.0002	0.000032	0.0018	0.033	0.000043	0.0018	12	0.00062	<0.00001	0.00236	0.00061	0.008		
	0.0341	<0.00001	<0.000005	<0.05	0.000033	35.3	0.0002	0.000054	0.00226	0.099	0.000256	0.0011	8.71	0.00197		0.00201	0.00091			
	0.0358	<0.00001	<0.000005	<0.05	0.000018	35.8	0.0002	0.000041	0.00208	0.078	0.000057	0.0012	8.43	0.00131		0.00198	0.00082			
	0.0379	<0.00001	<0.000005	<0.05	0.00002	35.7	0.0003	0.000049	0.00181	0.129	0.00007	0.0012	8.11	0.00264	<0.00001	0.00158	0.00097	0.009		
	0.0448	<0.00001	<0.000005	<0.05	0.00001	46.9	0.0002	0.000028	0.00152	0.037	0.000012	0.0017	11.4	0.00057	<0.00001	0.00202	0.00061	0.007		
	0.0312	<0.000010	<0.0000050	<0.050	0.000015	28.1	0.00016	0.0000502	0.00174	0.157	0.0000217	0.00084	7.19	0.00176	<0.000010	0.0016	0.000859	0.0124		
	0.0416	<0.000010	<0.0000050	<0.050	0.000005	41.2	0.00023	0.000049	0.00195	0.159	0.000112	0.00132	10.1	0.0026	<0.000010	0.0022	0.00083	0.01		
	0.04	<0.000010	<0.0000050	<0.050	<0.0000050	40.9	0.00019	0.00004	0.00154	0.106	0.000037	0.00116	9.75	0.00243	<0.000010	0.0018	0.000937	0.0084		
	0.041	<0.0001	<0.0005	0.004	0.00002	23.5	<0.0005	<0.0001	<0.001	<0.01	<0.0001	<0.001	5.9	<0.005		0.001	<0.0005			
	0.03	<0.0001	<0.0005	<0.002	0.00002	19.6	<0.0005	<0.0001	0.001	0.06	<0.0001	<0.001	4.7	0.01		<0.001	<0.0005			
	0.031	<0.0001	0.0007	0.002	<0.00001	17.7	0.001	<0.0001	0.001	0.02	0.0001	<0.001	4.2	<0.005		0.001	0.0008			
	0.045	<0.0001	<0.0005	0.016	<0.00001	56.2	0.0015	<0.0001	0.002	0.05	<0.0001	0.002	12.8	0.011		0.002	0.001			

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
W13	1	<0.0006	6.57	<0.00001	10.9	0.622		0.00001	<0.0001	0.0007	0.0016	0.00054	0.003	0.0002	0.1		<0.0001	<0.0001	<0.0001	0.0003		
	0.87	0.0001	4.9	<0.000005	4.57	0.2	6	0.000002	<0.00001	0.0059	0.000256	0.0007	0.0025	0.0005	<0.02	NC	<0.00002	<0.00002	0.000077	0.000159		
	1.04	0.00015	6.25	<0.000005	9.98	0.553	19	<0.000002	<0.00001	<0.0005	0.00112	0.0007	0.0004	0.0002	0.03	97	<0.00002	<0.00002	0.00001	0.000015		
	1.16	0.00013	7.6	<0.000005	11.9	0.636	24	<0.000002	<0.00001	<0.0005	0.00141	0.0004	0.0024	0.0001	0.04	110	<0.00002	<0.00002	0.000011	0.00001		
	1.07	0.00015	6.2	<0.000005	11.4	0.671	22	<0.000002	<0.00001	<0.0005	0.00168	0.0005	0.0009	0.0001			<0.00002	<0.00002	0.000007	0.000008		
	0.86	0.00009	5.23	0.000018	6.47	0.279	10	<0.000002	<0.00001	0.0023	0.00033	0.0006	0.0033	0.0003	<0.02		<0.00002	<0.00002	0.00002	0.000059		
	1.13	0.00016	6.46	<0.000005	11	0.629	25	<0.000002	<0.00001	<0.0005	0.00149	0.0006	0.0005	0.0001	0.07							
	1.01	0.00011	7.35	<0.000005	10.2	0.523	15	<0.000002	<0.00001	0.001	0.000861	0.0006	0.0029	0.0002	<0.02		<0.00002	<0.00002	0.000016	0.000028		
	0.94	0.00015	8.3	<0.000005	9.76	0.514	15	0.000002	0.00001	<0.0005	0.00108	0.0004	0.0035	0.0002	0.22		<0.00002	<0.00002	0.000009	0.00001		
	0.83	0.00012	6.82	<0.000005	7.31	0.355	11	0.000002	<0.00001	0.0037	0.000558	0.0007	0.0018	0.0003	0.04							
	0.63	0.0001	8.02	<0.000005	7.32	0.365	<10	<0.000002	<0.00001	<0.0005	0.000427	0.0009	0.0016	0.0002	<0.02							
	0.64	0.00012	8.12	<0.000005	6.9	0.362	<10	<0.000002	<0.00001	0.0007	0.000426	0.0006	0.0018	0.0003	<0.02	NC	<0.00002	<0.00002	0.000013	0.000016		
	0.93	0.00012	7.4	<0.000005	9.71	0.52	14	<0.000002	<0.00001	0.0005	0.00106	0.0006	0.0053	0.0002	0.07	110	<0.00002	<0.00002	0.000005	<0.000005		
	0.782	0.000089	6.01	<0.0000050	6.19	0.261	<10	<0.0000020	<0.00020	0.0006	0.000344	0.00077	0.00114	0.00024	<0.20							
	0.708	0.0001	8.12	<0.0000050	9.51	0.409	<10	<0.0000020	0.00049	<0.00050	0.000512	0.0009	0.00185	0.00025	<0.20	100						
	0.731	0.000071	8.39	<0.0000050	8.47	0.405	<10	<0.0000020	0.00025	<0.00050	0.000556	0.00069	0.00292	0.00028	<0.20	100						
	0.5	<0.0002	2.88	<0.0001	1.9	0.118	3.8	<0.00005	<0.001	<0.0005	0.0008	0.0003	0.002		0.05							
	0.5	<0.0002	2.87	<0.0001	1.3	0.08	3.1	<0.00005	<0.001	0.0012	0.0008	0.0004	0.003		0.03							
	0.5	0.0002	2.8	<0.0001	1.3	0.085	2.8	<0.00005	<0.001	0.0006	0.0006	0.0002	0.002		<0.02							
	1	<0.0002	7.12	<0.0001	10.9	0.563	18.6	<0.00005	<0.001	<0.0005	0.0018	0.0009	0.003		<0.02							

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
W13																					
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																				FIELD	

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
Y1	Yukon River u/s of Williams Creek	14-Sep-2006	No in situ data			2			1.5					114					
		17-Oct-2006				4	67	73.8	1.4	7.97	7.98	149.3		132	4.9	9.35		64.0	
		19-Apr-2007				<2	116	92.3	0.4	7.80	8.13	185.7		155	1.0				
		21-Jun-2007	Site Access Flooded, not sampled																
		25-Jul-2007				15	50	66.1	6.1	8.2	7.74	132.4		122	15.0	9.05			
		14-Aug-2007				9	102	62.8	2.1	7.3	7.86	126.3		126	4.5	8.58	95.4		
		13-Sep-2007				6	92	69.0	1.9	8.1	7.97	368.0		112	10.5	11.16	96.1		
		12-Oct-2007	Site Inaccessible																
		06-Mar-2008	Unable to Access Site			<2	88		0.1		8.01			144	-1.0				
		17-Apr-2008				<2	84	91.9	0.4		8.08	183.7		158	-0.5		60.7		
		14-May-2008				<2	134		5.9	8.05	7.89	153.6		148	5.0		93.8		
		03-Jun-2008				<2	114	184	4.2	6.92	8.07	369		138	9.2				
		29-Jul-2008				15	104	71.6	1.1	8.05	7.97	143.4		127	12.8	9.74	94.3		
		21-Aug-2008				6	132		1.9	7.41	8.1	168		141	4	5.65	52.1		
		03-Sep-2008				14	110	79.5	2.1	7.8	8.07	158.8		144	9.5	10.63	94.0		
		01-Oct-2008				<2	120	83.1	3	7.92	7.94	166.4		151	7.5	10.64	88.7		
		26-Nov-2008				2	162	194	0.4	7.8	7.93	387		168	0.2				
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].			41	120	86	24.4	8.49	8	173		175	8.8	10.77	93		82.9
		11-Jul-2009	No ionic balance available			14	86		2.4	8.08	8	109.7		133	14.2	8.97	87.6	129.4	67.7
		08-Sep-2009	Ionic Balance not available			2	80		0.7	8.52	8	122.3		134	14.5	8.23	80.7	46.5	68.8
		15-Oct-2009	No Ionic Balance Available, Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			8	58		1.7	8.40	8	83.3		140	3.0	10.77	80.5	84.6	64.3
		01-Jun-2021	(1) RDL raised due to sample matrix interference; (2)DL raised due to insufficient sample volume (3) DL raised due to sample matrix			62	157 (2)		19		7.61			165					88.3

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Y1	64													<0.05				0.07	<0.05	0.02		13.8	1.6	1.5	0.081
	62	64	78	<6		<5	<5	0.5						<0.05	<0.005	0.02		0.09	0.06	0.02		14.8	2.2	2.6	0.081
	90	81	99	<6		<5	10	0.3					11.9	<0.05	<0.05	0.2		0.11	0.06	0.03	0.06	21.4	2.9	2.7	0.027
	64	59	72	<6		<5	15	0.1					82	<0.05	<0.05	<0.1		0.09	<0.05	0.03		13.8	2.7	2.8	**0.568**
	61	60	73	<6		<5	7	0.3					8.1	<0.05	<0.05	<0.1		0.1	<0.05	0.03		14.8	2.2	2.6	**0.561**
	58	64	78	<6		<5	6	0.14					8.52	<0.05	<0.02	<0.02		0.08	<0.05	0.03		13.1	1.4	1.9	**0.246**
	83	74	90	<6		<5	<5	0.14					10.2	<0.05	<0.02	0.05		<0.06	<0.05	0.03		19	1	0.9	0.019
		74	91	<6		<5	5	0.21					11.4	<0.05	0.04	0.04		0.06	<0.05	0.01		16.9	1.6	1.5	0.02
	69	65	79	<6		<5	130	0.23					9.19	<0.05	0.04	<0.02		0.44	<0.05	0.03		14.8	13.5	13.6	**0.55**
	73	67	80	<6		<5	21	0.13					9.21	<0.05	0.02	0.04		0.25	0.08	0.03	<0.05	14.5	3.3	3.8	**1.22**
	70	68	80	<6		<5	13	0.14					9.1	<0.05	<0.01	<0.01		0.12	<0.05	0.04		14.7	2.9	2.9	**0.12**
	69	73	90	<6		<5	6	0.13					9.72	<0.05	0.01	0.01		0.12	<0.05	0.02		16.1	2.9	2.7	**0.136**
	76	72	90	<6		<5	15	0.19					10.5	<0.05	<0.01	0.01		0.11	<0.05	0.04		15.8	4.2	5.1	**0.123**
	75	53	60	<6		<5	8	0.22					10.6	<0.05	<0.01	0.02		0.1	<0.05	0.04	<0.05	16.9	2.7	2.5	**0.281**
	82	74	90	<6		<5	6	0.26					11	<0.05				0.1	<0.05	0.05		15.8	2.3	2.4	0.019
	84.1	78	95	<0.5	<0.5	<0.5	20	0.6		<0.0005		0.0007	13	<0.005	<0.005	0.04	0.24	0.2	0.006	0.023		16.3	6.4	5.6	0.0288
	65.5	62	75	<0.5	<0.5	<0.5		<0.5		<0.0005		<0.0005	7.5	<0.005	<0.005	<0.02			0.009	<0.005			2.2	2.3	0.0894
	69.8	62	75	<0.5	<0.5	<0.5		0.6		<0.0005		<0.0005	7.7	<0.005	<0.005	<0.02			0.005	<0.005			2.2	3.5	0.0535
	65.3	61	74	<0.5	<0.5	<0.5		<0.5		<0.0005		<0.0005	8.8	<0.005	<0.005	<0.02			0.009	<0.005			<0.5	<0.5	0.0507
	75.9	68.4			<0.50			1.1	**0.18**		0.00151		0.9		<0.020 (1	0.038	0.844	0.806		0.004				31 (3)	**1.31**

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Y1	<0.0004	0.0005	0.03	<0.0002	<0.001	<0.004	<0.00002	18	<0.001	<0.0002	<0.002	<0.2	0.0003	<0.002	3.8	<0.01		<0.002		
	<0.0002	0.0004	0.032	<0.0001	<0.0005	0.003	<0.00001	19	<0.0005	<0.0001	<0.001	0.1	0.0002	0.001	4.7	<0.005		0.001		
	<0.0002	0.0004	0.045	<0.0001	<0.0005	0.003	<0.00001	24.7	<0.0005	<0.0001	<0.001	<0.1	<0.0001	0.001	6.5	0.013		0.001		
	<0.0002	0.0007	0.038	<0.0001	<0.0005	0.006	0.00001	16.9	**0.0013**	0.0003	0.002	**0.6**	0.0004	0.001	4	0.017	<0.00002	0.001		
	<0.0002	0.0007	0.036	<0.0001	<0.0005	0.003	0.00002	17.4	**0.0011**	0.0004	0.002	**0.5**	0.0003	0.001	4	0.013	<0.00002	0.001		
	<0.0002	0.0004	0.034	<0.0001	<0.0005	0.003	<0.00001	17	0.0008	0.0002	0.001	0.2	<0.0001	0.001	3.8	0.007	<0.00002	0.001		
	<0.0002	0.0003	0.047	<0.0001	<0.0005	0.004	<0.00001	22.4	**0.0011**	<0.0001	<0.001	<0.1	<0.0001	0.001	4.9	<0.005	<0.00001	0.001		
	<0.0002	<0.001	0.034	<0.00004		<0.005	<0.00007	20.9	0.001	<0.00002	<0.001	0.04	<0.0001	<0.001	4.87	0.0016	<0.00001	0.00082		
	<0.0002	<0.0002	0.043	0.00004		<0.005	<0.00007	19.5	**0.0017**	0.00045	0.002	**0.98**	0.0004	0.001	4.93	0.0467	<0.00001	0.00077		
	<0.0002	0.0026	0.055	<0.00004		<0.005	<0.00007	21.5	**0.0032**	0.00095	**0.004**	**1.97**	0.0006	0.002	5.7	0.0602	<0.00001	0.00078		
	<0.0002	0.0006	0.034	<0.00004		<0.005	<0.00008	19.9	0.0005	0.00015	0.001	0.24	0.0002	<0.001	4.72	0.0112	<0.00001	0.00073		
	<0.0002	0.0005	0.033	<0.00004		<0.005	0.00001	20.2	0.0006	0.0001	<0.001	0.2	<0.0001	0.001	4.62	0.0086	<0.00001	0.00101		
	<0.0002	0.0004	0.034	<0.00004		<0.005	0.00002	23.9	0.0006	0.00016	0.001	0.25	0.0002	0.001	5.56	0.0121	<0.00001	0.0012		
	<0.0002	0.0005	0.036	<0.0001	<0.0005	0.003	<0.00001	21.4	**0.0022**	0.0001	0.002	**0.31**	<0.0001	0.001	5.1	0.01	<0.00001	0.001		
	<0.0002	0.0004	0.031	<0.00004	<0.0001	<0.005	<0.00001	23.5	0.0004	0.00003	0.001	0.04	0.0001	<0.001	5.76	0.0021	<0.00001	0.0011		
	0.00008	0.00047	0.036	<0.00001	<0.000005	<0.05	0.000006	23.1	<0.0001	0.000047	0.00119	0.073	0.000024	0.001	6.14	0.00853	<0.00001	0.00101		
	0.00007	0.00051	0.0317	0.00001	0.000006	<0.05	0.000013	19.4	0.0001	0.000119	0.00094	0.16	0.00012	0.0008	4.7	0.0104	<0.00001	0.00097		
	0.00009	0.0004	0.0318	<0.00001	<0.000005	<0.05	0.000054	20.3	**0.0011**	0.000056	0.00071	0.084	0.000166	0.001	4.41	0.00726	<0.00001	0.00131		
	0.00008	0.00039	0.0306	<0.00001	<0.000005	<0.05	0.000017	18.4	0.0002	0.000053	0.00067	0.085	0.00013	0.0008	4.45	0.00493	<0.00001	0.00115		
	<0.0005	0.00104	0.0554	<0.0001	<.001	<0.05	0.000041	25.7	**0.0023**	0.00088	**0.00527**	**2.04**	0.00092	<0.002	5.85	0.0598	0.000004	<0.001		

Station	ybdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Y1	<0.001		<0.8	<0.0004	2.28	<0.0002	1	0.085	2.8	<0.0001	<0.002	0.0033	<0.001	0.0005	0.005	<0.002	0.058	<0.0002	0.0003	
	0.0005		0.7	<0.0002	2.63	<0.0001	1.4	0.088	2.8	<0.00005	<0.001	0.0043	0.0008	0.0005	0.002	<0.001	0.009	<0.0002	<0.0002	
	0.0005		0.9	<0.0002	2.97	<0.0001	2	0.178	4	<0.00005	<0.001	<0.0005	0.0016	0.0003	0.002	<0.001	<0.005	<0.0002	0.0005	
	0.0009	<0.02	0.8	<0.0002	4.23	<0.0001	1.9	0.089	2.6	<0.00005	<0.001	0.0345	0.0007	0.002	0.007	<0.001	0.018	<0.0002	0.0003	
	0.0012	<0.02	0.8	<0.0002	3.54	<0.0001	2	0.088	2.7	<0.00005	<0.001	0.0316	0.0007	0.0018	0.005	<0.001	0.006	<0.0002	0.0005	
	0.0009	<0.02	0.8	<0.0002	2.86	<0.0001	1.6	0.091	2.6	<0.00005	<0.001	0.0232	0.0008	0.0013	0.006	<0.001	0.027	0.001	0.0004	
	<0.0005	<0.02	0.8	<0.0002	2.81	<0.00001	2.5	0.103	3.4	<0.00005	<0.001	<0.0005	0.001	0.0003	0.008	<0.001	<0.005	0.0008	0.0003	
	<0.001	<0.01	0.73	<0.0006	1.2	<0.001	2.2	0.107		<0.00001	<0.004	0.0009	0.0009	0.00018	0.002	<0.0001	<0.01	0.0006	0.001	
	0.009	0.04	1.1	<0.0006	1.92	<0.0001	2.4	0.103		<0.00001	<0.0001	0.0108	0.0007	0.00198	0.006	0.0002	<0.01	0.0008	<0.0002	
	0.004	0.1	0.96	<0.0006	2.56	<0.00005	2.1	0.087		<0.00001	<0.0001	0.0269	0.0009	0.00349	0.014	0.0005	0.03	0.0008	0.0002	
	0.001	0.02	0.72	<0.0006	2.94	<0.00001	2.5	0.088		<0.00001	<0.0001	0.0069	0.0008	0.00065	0.007	<0.0001	0.02	0.0006	0.0005	
	0.001	0.02	0.72	<0.0006	2.88	<0.00001	2.4	0.092		<0.00001	0.0001	0.0067	0.0008	0.0007	0.002	<0.0001	0.012	0.0007	0.0003	
	<0.001	0.02	0.85	0.0009	3.5	<0.00001	2.9	0.108		0.00006	0.0009	0.0052	0.0008	0.00072	0.009	0.0001	0.026	0.0005	0.0007	
	0.0016		0.8	<0.0002	3.28	0.00009	2.2	0.11	3.6	<0.00005	<0.001	0.0149	0.001	0.0012	0.007	<0.001	0.014	<0.0002	0.0003	
	<0.001	<0.01	0.7	<0.0006	2.93	<0.00001	2.98	0.104		<0.00001	0.0004	0.0015	0.0008	0.00025	0.007		<0.005	0.001	0.0004	
	0.00063	0.005	0.95	0.00019	3.4	<0.000005	2.13	0.123	4	0.000002	<0.00001	0.0019	0.000947	<0.0002	0.0007	<0.0001	0.0352	0.00009	0.00055	
	0.00075	0.017	0.73	0.00014	2.88	<0.000005	1.5	0.0789	4	0.000004	<0.00001	0.0034	0.000711	0.0005	0.001	0.0002	0.0204	0.00008	0.00048	
	0.00044	0.01	0.79	0.00013	2.7	<0.000005	1.82	0.0915	3	0.000002	<0.00001	0.0026	0.000783	<0.0002	0.0026	<0.0001	0.0124	0.00013	0.00042	
	0.00051	0.005	0.69	0.00013	2.3	<0.000005	1.53	0.0891	3	<0.000002	<0.00001	0.0022	0.00081	0.0002	0.0015	<0.0001	0.0068	0.00008	0.00037	
	0.0032	0.062	0.869	0.0001	8.14	<0.00002	4.61	0.193	<3	0.000014	<0.005	0.0432	0.00036	<0.005	0.0077	0.00061	0.0322	<0.0005	0.00047	

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Y1	0.029	<0.0001	<0.0005	0.003	0.00002	19	<0.0005	<0.0001	0.001	0.09	0.0002	0.001	4.1	0.006		0.001	0.0006			
	0.029	<0.0001	<0.0005	0.004	<0.00001	18.2	<0.0005	<0.0001	<0.001	<0.01	<0.0001	0.001	4.2	<0.005		0.001	<0.0005			
	0.043	<0.0001	<0.0005	0.003	<0.00001	25.6	0.0006	<0.0001	<0.001	0.01	<0.0001	<0.001	6.2	0.008		<0.001	<0.0005			
	0.028	<0.0001	<0.0005	<0.002	<0.00001	18.8	<0.0005	<0.0001	<0.001	0.03	0.0001	<0.001	4.1	<0.005	<0.00002	0.001	<0.0005			
	0.028	<0.0001	<0.0005	<0.002	<0.00001	17.8	<0.0005	<0.0001	<0.001	0.02	<0.0001	<0.001	4	<0.005	<0.00002	0.001	<0.0005			
	0.032	<0.0001	<0.0005	<0.002	<0.00001	17	<0.0005	0.0001	<0.001	0.04	<0.0001	<0.001	3.9	<0.005	<0.00002	0.001	0.0006			
	0.048	<0.0001	<0.0005	0.003	<0.00001	24.3	0.0008	<0.0001	<0.001	<0.01	<0.0001	0.001	5.3	<0.005	<0.00001	0.001	<0.0005			
	0.037	<0.00004		<0.004	<0.00008		0.0011	0.00004	<0.001	<0.01	0.0006	<0.001		0.0002	<0.00001	0.00105	<0.001	<0.01		
	0.034	<0.00004		<0.004	<0.00008		<0.0006	0.00012	<0.001	0.116	0.0002	<0.001		0.0141	<0.00001	0.0008	0.002	0.01		
	0.029	<0.00004		<0.004	<0.00008		0.0011	0.00011	<0.001	0.04	<0.0001	<0.001		0.0042	<0.00001	0.00074	<0.001	<0.01		
	0.032	<0.00004		<0.004	<0.00008		<0.0004	0.00004	<0.001	0.03	0.0001	<0.001		0.0034	<0.00001	0.00102	<0.001	<0.01		
	0.031	<0.00004		<0.004	<0.00001		<0.0004	0.00005	<0.001	0.01	<0.0001	<0.001		0.0011	<0.00001	0.00104	<0.001	<0.01		
	0.031	<0.00004		<0.004	<0.00001		0.0009	0.00003	<0.001	0.04	0.0001	<0.001		0.0021	<0.00001	0.00087	<0.001	<0.01		
	0.033	<0.0001	<0.0005	0.003	<0.00001	21.6	<0.0005	0.0001	0.001	0.08	<0.0001	0.001	5.1	0.006	<0.00001	0.001	0.0013			
	0.034	<0.00004		<0.004	<0.00001	23.5	<0.0004	<0.00002	<0.001	<0.01	0.0001	0.001	5.76	0.0013	<0.00001	0.00115	<0.001	<0.01		
	0.0374	<0.00001	<0.000005	<0.05	0.000013	23.4	<0.0001	0.000059	0.0013	0.074	0.000059	0.0011	6.21	0.00914	<0.00001	0.00096	0.0008	0.006		
	0.0286	<0.00001	<0.000005	<0.05	0.000026	18.8	<0.0001	0.000018	0.00084	0.027	0.000091	0.0007	4.52	0.00172	<0.00001	0.00099	0.00045	0.004		
	0.0344	<0.00001	<0.000005	<0.05	0.00017	20.6	0.0003	0.000019	0.00092	0.017	0.000323	0.0009	4.45	0.00205	<0.00001	0.00141	0.00049	0.009		
	0.0307	<0.00001	<0.000005	<0.05	<0.000005	18.7	<0.0001	0.000009	0.00052	0.011	0.000027	0.0008	4.51	0.00096	<0.00001	0.00122	0.00033	<0.002		
	0.0254	<0.0001	<0.001	<0.05	0.000011	22.4	<0.001	<0.0002	0.00234	0.157	<0.0002	<0.002	4.84	0.0029	0.0000042	<0.001	<0.001			

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
Y1	0.7	<0.0002	2.28	<0.0001	1.7	0.086	2.2	<0.00005	<0.001	0.0013	0.0007	0.0006	0.004		<0.02							
	0.6	<0.0002	2.31	<0.0001	1.5	0.079	2.9	<0.00005	<0.001	<0.0005	0.0007	0.0003	0.002		<0.02							
	0.9	0.0002	3.15	<0.0001	2.3	0.155	4.3	<0.00005	<0.001	<0.0005	0.0008	0.0018	<0.001		0.04							
	0.9	<0.0002	2.63	<0.0001	2.1	0.078	2.9	<0.00005	<0.001	0.0007	0.0007	0.0003	0.005		0.02							
	0.6	<0.0002	2.49	<0.0001	1.9	0.083	2.7	<0.00005	<0.001	0.0006	0.0007	0.0005	0.009		0.03							
	0.6	<0.0002	2.33	<0.0001	1.5	0.086	2.8	<0.00005	<0.001	0.0012	0.0008	0.0003	0.002		<0.02							
	0.8	<0.0002	2.78	<0.00001	2.3	0.111	3.8	<0.00005	<0.001	<0.0005	0.0009	0.0006	0.002		0.1							
		0.0008		<0.0001		0.113		<0.00001	<0.0001	0.0006	0.0009	0.0003	<0.001	<0.0001	0.04		<0.0001	<0.0001	<0.0001	<0.0001		
	1.07	<0.0006	1.45	<0.00001	2.21	0.107		<0.00001	<0.0001	0.0013	0.0007	0.00042	0.003	0.0001	0.02	100	<0.0001	0.0006	<0.0001	<0.0001		
	0.78	<0.0006	1.61	<0.00001	2.02	0.082		<0.00001	<0.0001	0.0012	0.0008	0.00049	0.001	0.0001	0.02		0.0004	0.0002	<0.0001	0.0002		
	0.72	<0.0006	2.78	<0.00001	2.21	0.087		<0.00001	<0.0001	0.001	0.0008	0.0003	0.002	<0.0001	0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.7	<0.0006	2.76	<0.00001	2.09	0.09		<0.00001	<0.0001	0.0005	0.0007	0.00031	0.002	<0.0001	<0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.76	<0.0006	3.11	<0.00001	2.68	0.098		<0.00001	<0.0001	0.0008	0.0008	0.00052	0.002	<0.0001	0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.7	<0.0002	2.91	<0.00001	2.6	0.103	3.5	<0.00005	<0.001	0.0006	0.0009	0.0003	0.004		0.02							
	0.8	<0.0006	2.91	<0.00001	3	0.117		<0.00001	<0.0001	<0.0001	0.0009	0.00017	0.003	<0.0001	0.05		<0.0001	<0.0001	<0.0001	0.0002		
	0.99	0.00019	3.4	<0.000005	2.19	0.128	5	0.000003	<0.00001	0.0014	0.000939	<0.0002	0.0019	0.0001	0.04	NC	<0.00002	<0.00002	0.000018	0.000019		
	0.72	0.00014	2.63	<0.000005	1.5	0.078	3	0.000002	<0.00001	0.0007	0.000695	0.0003	0.0023	<0.0001	<0.02	NC	<0.00002	<0.00002	0.000007	0.000013		
	0.82	0.00013	2.6	<0.000005	2.24	0.0962	7	<0.000002	0.00001	<0.0005	0.000748	0.0002	0.0065	<0.0001	<0.02	NC	<0.00002	<0.00002	0.000006	0.000011		
	0.68	0.00014	2.2	<0.000005	1.55	0.0895	<3	<0.000002	<0.00001	<0.0005	0.000823	<0.0002	0.0005	<0.0001	<0.02	NC	<0.00002	<0.00002	<0.000005	<0.000005		
	0.546	<0.0001	5.49	<0.00002	4.19	0.174	3.2	<0.00001	<0.005	<0.005	0.00025	<0.005	<0.005	0.00038								

ed

horium (Th), total

Station	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
Y1																			
																			22.1

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
Y2	Yukon River d/s of Williams Creek	31-Mar-2006				<2			0.6	6.93	7.79	153.5		150					
		07-Jun-2006				90		295	25	8.57		160		129	9	10.50		153	
		12-Jul-2006				21		178	7.1	8.63		352		129		6.85		32	
		16-Aug-2006				5		69.7	2.6	8.11		139.5		136					
		14-Sep-2006	No in situ data			3			2.9					134					
		17-Oct-2006				13	80	71.2	4.1	7.99	8.01	142.2		135	5.6	9.63		66.0	
		19-Apr-2007				5	90	75.9	1.2	7.74	8.01	153.8		125	1				
		10-May-2007				10	134	94.6	3.4	7.37	7.67	172.1		122		8.34			
		21-Jun-2007	Site Access Flooded, not sampled																
		25-Jul-2007				16	48	65.9	5.7	8.1	7.67	133.7		124	14.6	8.52			
		14-Aug-2007	In SItu data: no temp., no pH and no dissol. oxy.			8	86	69.4	1.7		7.89	133.3		127		9.46			
		13-Sep-2007				8	90	180.0	1.1	8.5	7.97	360.0		116	10.0	11.57	97.0		
		12-Oct-2007	Site Inaccessible																
		07-Mar-2008	No In situ Data			2	742		<0.1		8.04			146					
		17-Apr-2008				4	82	89.5	0.2		8	179.7		154	-0.5		93.2		
		14-May-2008	In Situ: no temperature+D507:D512			<2	172		2.5		7.65	146.8		136			88.2		
		03-Jun-2008				<2	120	189	4.2	7.08	8.06	375		141	9.0				
		29-Jul-2008				5	102	71.4	1.1	8.13	7.98	199		129	13.2	19.70	94.0		
		21-Aug-2008				<2	152		1.9	7.2	8.09	172		145	3	4.61	45.2		
		03-Sep-2008				60	118	83.8	2.6	7.9	8.01	167.5		148	8.6	10.58	92.4		
		01-Oct-2008	In Situ: no Dissolved Oxygen measurment			<2	146	87.2	2.6	8	7.99	174.3		159	7		92.8		
		26-Nov-2008				2	120	91	0.3	8.18	7.91	178		170	0.2				
		20-May-2009	Ion Balance Not Calculable due to low ion sum [< 3 meq/L].			25	170	83	23.6	8.52	8	166		174	6.4	11.29	97		75.7
		11-Jul-2009	No ionic balance available			16	90		2.8	8.02	7.9	110.0		132	14.5	9.01	88.5	116.2	65.7
		08-Sep-2009	Ionic Balance not available			4	76		1.4	8.18	8	105.9		132	12.7	9.30	87.7	72.3	67.8

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbon	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Y2	77													<0.05				0.06	<0.1	0.04			1.5		0.043
	66													<0.05				0.22	0.1	0.07		10.4	4.6	4.1	**2.04**
	63													<0.05				0.08	0.1	0.01		13.6	3.1	2.8	**0.573**
	66													<0.05				0.07	0.1	0.02		15.7	2	2.4	**0.253**
	63													<0.05				0.11	<0.05	0.02		14.5	1.8	1.8	**0.239**
	63	64	77	<6		<5	<5	0.5						<0.05	<0.005	0.02		0.06	0.07	0.02		15	2.2	2.6	**0.451**
	71	68	83	<6		<5	10	0.2					10.2	<0.05	<0.05	0.2		0.08	0.06	0.02	0.06	16	1.7	1.6	0.052
	69	53	65	<6		<5	>60	0.5					10	<0.05	<0.05	<0.1		0.94	0.08	0.03		12.1	32.2	33.3	**0.5**
	66	60	73	<6		<5	15	0.1					87	<0.05	<0.05	<0.1		<0.06	<0.05	0.03		13.3	2.9	3	**0.447**
	62	60	73	<6		<5	8	0.4					8.4	<0.05	<0.05	0.2		0.13	<0.05	0.03		14.7	2	2.6	**0.422**
	60	64	79	<6		<5	6	0.15					9.05	<0.05	<0.02	<0.02		0.15	<0.05	0.03		13.4	1.5	1.7	**0.219**
	83	75	92	<6		<5	<5	0.13					9.86	<0.05	<0.02	0.09		<0.06	<0.05	0.03		19.4	0.6	1.2	0.016
		73	89	<6		<5	<5	0.21					10.6	<0.05	0.05	0.07		<0.06	<0.05	0.01		16.3	1	0.9	<0.02
	60	52	63	<6		<5	260	0.44					12.8	<0.05	0.02	<0.02		1.02	0.1	0.04		9.9	34.8	36.4	**1.8**
	72	68	80	<6		<5	22	0.18					10.5	<0.05	0.03	0.04		0.16	0.1	0.03	<0.05	15	3.6	4.1	**0.99**
	72	69	80	<6		<5	11	0.14					9.36	<0.05	0.02	<0.01		0.13	<0.05	0.04		15.2	2.9	3	**0.11**
	71	73	90	<6		<5	8	0.16					10.5	<0.05	0.01	0.01		0.1	<0.05	0.02		16.4	2.8	2.8	**0.14**
	81	74	90	<6		<5	30	0.25					10.9	<0.05	0.01	0.01		0.68	<0.05	0.05		15.6	6.4	7.1	**0.53**
	77	70	80	<6		<5	14	0.3					11.4	<0.05	0.01	0.02		0.18	<0.05	0.04	<0.05	18	3.8	3.6	**0.284**
	83	74	90	<6		<5	58	0.22					10.6	<0.05				0.09	<0.05	0.05		16	2.4	2.2	0.033
	83.7	78	95	<0.5	<0.5	<0.5	10	1		<0.0005		<0.0005	13	<0.005	<0.005	0.05	0.37	0.32	0.046	0.023		16.1	4.7	4.9	0.089
	68.3	60	74	<0.5	<0.5	<0.5		<0.5		<0.0005		<0.0005	7.6	0.009	<0.005	<0.02			0.008	<0.005			2.1	1.9	0.0883
	66.1	59	72	<0.5	<0.5	<0.5		2.1		<0.0005		<0.0005	8.6	0.007	<0.005	0.03			0.006	<0.005			2	2.1	0.076

Station	n	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Y2	<0.0002	0.0005	0.035	<0.0001	<0.0005	0.004	<0.00001	22.3	<0.0005	<0.0001	<0.001	<0.1	<0.0001	0.001	5.1	<0.005		0.001		
	<0.0002	0.0011	0.062	<0.0001	<0.0005	0.004	0.00005	20	0.0037	0.0012	0.004	2.4	0.0009	0.002	5.3	0.066		<0.001		
	<0.0002	0.0007	0.04	<0.0001	<0.0005	0.004	0.00001	19.8	0.0018	0.0003	0.002	0.8	0.0003	0.001	4.2	0.02		0.001		
	<0.0004	0.0005	0.036	<0.0002	<0.001	0.005	<0.00002	18	0.002	<0.0002	<0.002	0.3	0.0003	<0.002	4	0.01		<0.002		
	<0.0004	0.0007	0.034	<0.0002	<0.001	0.005	<0.00002	19	<0.001	<0.0002	<0.002	0.3	0.0002	<0.002	4.2	<0.01		<0.002		
	<0.0002	0.0005	0.038	<0.0001	<0.0005	0.003	<0.00001	20	0.0011	0.0003	0.002	0.6	0.0003	0.001	5.1	0.02		0.001		
	<0.0002	0.0004	0.034	<0.0001	<0.0005	0.002	0.00001	20.7	<0.0005	<0.0001	<0.001	<0.1	0.0001	<0.001	5.3	<0.005		0.001		
	<0.0004	0.0005	0.032	<0.0002	<0.001	0.008	0.00002	20.7	0.001	0.0004	0.003	0.7	0.001	<0.002	4.8	0.092	<0.0001	<0.002		
	<0.0002	0.0007	0.037	<0.0001	<0.0005	0.003	0.00002	17.6	0.0011	0.0002	0.001	0.5	0.0003	0.001	4.2	0.016	<0.00002	0.001		
	<0.0002	0.0006	0.035	<0.0001	<0.0005	0.004	0.00002	18.2	0.001	0.0003	0.002	0.4	0.0002	0.001	4	0.013	<0.00002	0.001		
	<0.0002	0.0004	0.033	<0.0001	<0.0005	0.003	<0.00001	17.7	<0.0005	0.0001	<0.001	0.2	<0.0001	0.001	4	0.007	<0.00002	0.001		
	<0.0002	0.0002	0.042	<0.0001	<0.0005	0.002	<0.00001	23.5	0.0012	<0.0001	<0.001	<0.1	<0.0001	0.001	5	<0.005	<0.00001	0.001		
	<0.0002	<0.001	0.034	<0.00004		<0.005	<0.00007	22	0.0011	<0.00002	<0.001	0.04	0.0003	<0.001	4.91	0.0016	<0.00001	0.0008		
	<0.0002	0.0005	0.08	0.00009		<0.005	<0.00007	20.3	0.0037	0.00186	0.008	3.44	0.0019	0.002	4.83	0.184	0.00001	0.00033		
	<0.0002	0.0016	0.051	<0.00004		<0.005	<0.00007	21.8	0.0029	0.00085	0.005	1.65	0.0007	0.002	5.58	0.0552	<0.00001	0.0008		
	<0.0002	0.0006	0.034	<0.00004		<0.005	<0.00008	20.6	0.0006	0.00013	0.001	0.22	0.0002	<0.001	4.89	0.0113	<0.00001	0.00075		
	<0.0002	0.0006	0.034	<0.00004		<0.005	0.00002	20.6	0.0006	0.00011	<0.001	0.22	0.0002	0.001	4.67	0.0101	<0.00001	0.00102		
	<0.0002	0.0005	0.04	<0.00004		<0.005	<0.00001	22.8	0.0013	0.00039	0.002	1.05	0.0004	0.001	5.31	0.0316	<0.00001	0.00088		
	<0.0004	0.0004	0.038	<0.0002	<0.001	0.004	<0.00002	22.7	<0.001	<0.0002	0.003	0.31	<0.0002	<0.002	5.4	0.01	<0.00001	<0.002		
	<0.0002	0.0004	0.034	<0.00004	<0.0001	<0.005	0.00001	23.8	0.0005	0.00004	0.002	0.13	0.0009	<0.001	5.75	0.0088	<0.00001	0.00138		
	0.00009	0.00053	0.0333	<0.00001	<0.000005	<0.05	0.000019	21	0.0001	0.00008	0.00127	0.129	0.000093	0.001	5.64	0.0062	<0.00001	0.00094		
	0.00007	0.00051	0.0307	0.00001	<0.000005	<0.05	0.000014	18.9	0.0001	0.000098	0.00093	0.135	0.000106	0.0008	4.51	0.00928	<0.00001	0.00092		
	0.00008	0.00045	0.0326	<0.00001	<0.000005	<0.05	0.000037	19.8	0.0015	0.000086	0.0009	0.127	0.000235	0.0011	4.45	0.00803	<0.00001	0.00135		

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	<0.0005		0.8	<0.0002	2.56	<0.0001	2.2	0.104	3.5	<0.00005	<0.001	0.0023	0.0007	0.0003	0.001	<0.001	0.014	<0.0002	0.0004	
	0.0041		1.1	0.0003	6.39	<0.0001	1.8	0.08	5.6	<0.00005	<0.001	0.111	0.0008	0.0059	0.007	<0.001	0.026	<0.0002	0.0004	
	0.0019		0.9	<0.0002	4.02	<0.0001	1.7	0.092	3.2	<0.00005	<0.001	0.04	0.0008	0.002	0.004	<0.001	0.013	<0.0002	0.0005	
	0.001		0.8	<0.0004	2.76	<0.0002	2	0.096	3.1	<0.0001	<0.002	0.013	<0.001	0.001	0.003	<0.002	0.018	<0.0002	0.0004	
	<0.001		<0.8	<0.0004	2.72	<0.0002	2	0.098	3.2	<0.0001	<0.002	0.01	<0.001	0.001	0.004	<0.002	0.009	<0.0002	0.0003	
	0.0013		0.8	<0.0002	3.43	<0.0001	1.6	0.099	3.1	<0.00005	<0.001	0.034	0.0009	0.0018	0.003	<0.001	<0.005	<0.0002	0.0002	
	0.001		0.7	0.0002	2.43	<0.0001	1.5	0.096	3.5	<0.00005	<0.001	<0.0005	0.0009	0.0003	0.002	<0.001	<0.005	<0.0002	0.0004	
	0.003	<0.02	1	<0.0004	4.55	<0.0002	3.4	0.16	3.5	<0.0001	<0.002	0.019	<0.001	0.0022	0.01	<0.002	0.052	<0.0002	0.0004	
	0.0007	<0.02	0.9	<0.0002	3.82	<0.0001	2.2	0.095	2.8	<0.00005	<0.001	0.0305	0.0007	0.0015	0.006	<0.001	0.022	<0.0002	0.0005	
	0.0012	<0.02	0.8	0.0003	3.42	<0.0001	2.2	0.095	2.8	<0.00005	<0.001	0.0237	0.0007	0.0016	0.005	<0.001	0.009	<0.0002	0.0004	
	0.0009	<0.02	0.8	<0.0002	2.84	<0.0001	1.7	0.101	2.8	<0.00005	<0.001	0.0137	0.0008	0.0012	0.005	<0.001	0.016	0.0009	0.0006	
	<0.0005	<0.02	0.7	<0.0002	2.61	<0.00001	2.4	0.103	3.4	<0.00005	<0.001	0.0008	0.001	0.0003	0.005	<0.001	<0.005	0.001	0.0002	
	<0.001	<0.01	0.74	<0.0006	1.26	<0.001	2.3	0.101		<0.00001	<0.004	0.0005	0.0009	0.00014	0.003	<0.0001	<0.01	0.0011	0.0006	
	0.03	0.27	1.04	<0.0006	3.3	<0.0001	3.6	0.166		0.00001	<0.0001	0.0158	0.0006	0.00734	0.012	0.0006	<0.01	0.0009	<0.0002	
Y2	0.004	0.08	0.99	<0.0006	2.43	<0.00005	2.3	0.097		<0.00001	0.0002	0.0245	0.0009	0.00295	0.019	0.0006	0.03	0.0009	<0.0002	
	0.001	0.02	0.74	<0.0006	3.06	<0.00001	2.6	0.094		<0.00001	<0.0001	0.0061	0.0008	0.00065	0.006	<0.0001	0.01	0.0007	0.0004	
	0.001	0.02	0.72	<0.0006	2.88	<0.00001	2.4	0.102		<0.00001	0.0002	0.0077	0.0009	0.00071	0.001	0.0001	0.012	0.0008	0.0004	
	<0.001	0.04	0.82	<0.0006	4.41	<0.00001	3	0.114		<0.00001	<0.0001	0.0224	0.0008	0.00199	0.006	0.0003	0.031	0.0006	0.0006	
	0.0021		<0.8	<0.0004	3.63	0.00036	3.1	0.13	4	<0.0001	<0.002	0.014	<0.001	0.001	0.007	<0.002	0.014	<0.0002	0.0003	
	<0.001	<0.01	0.8	<0.0006	2.93	<0.00001	3	0.107		<0.00001	<0.0001	0.0022	0.0008	0.00034	0.013		<0.005	0.0007	0.0003	
	0.00076	0.008	0.81	0.00018	3.4	<0.000005	1.94	0.103	5	0.000003	<0.00001	0.0036	0.000834	<0.0002	0.0013	0.0002	0.0268	0.00008	0.0005	
	0.00066	0.011	0.69	0.00014	2.89	<0.000005	1.46	0.0765	4	0.000003	<0.00001	0.0035	0.00068	0.0005	0.0011	<0.0001	0.0217	0.00007	0.00043	
	0.00062	0.011	0.79	0.00014	2.6	<0.000005	1.84	0.0896	4	0.000003	<0.00001	0.0025	0.00083	0.0003	0.0042	<0.0001	0.0109	0.0001	0.00038	

Station	...ved	...enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss...	Ph...
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.035	<0.0001	<0.0005	0.002	<0.00001	22.1	<0.0005	<0.0001	<0.001	0.03	0.0001	<0.001	5.4	<0.005		0.001	<0.0005			
	0.028	<0.0001	<0.0005	<0.002	0.00001	19.1	<0.0005	<0.0001	0.001	0.04	<0.0001	<0.001	4.6	<0.005		<0.001	<0.0005			
	0.029	<0.0001	0.0007	0.002	<0.00001	18.2	<0.0005	<0.0001	<0.001	0.01	<0.0001	<0.001	4.4	<0.005		0.001	<0.0005			
	0.029	<0.0001	<0.0005	0.003	0.00001	19.6	0.002	<0.0001	<0.001	0.04	0.0004	<0.001	4.2	0.005		0.001	0.0012			
	0.028	<0.0001	<0.0005	0.003	<0.00001	18.5	0.0013	<0.0001	<0.001	0.01	0.0002	0.001	4.1	<0.005		0.001	0.0008			
	0.031	<0.0001	<0.0005	<0.002	<0.00001	18.3	<0.0005	<0.0001	<0.001	0.01	<0.0001	<0.001	4.2	0.007		<0.001	<0.0005			
	0.034	<0.0001	<0.0005	<0.002	<0.00001	20.4	<0.0005	<0.0001	<0.001	<0.01	<0.0001	<0.001	4.8	<0.005		0.001	0.0008			
	0.026	<0.0001	<0.0005	0.004	0.00001	20.6	0.0012	0.0001	0.003	0.17	0.0002	<0.001	4.3	0.068	<0.0001	<0.001	0.0034			
	0.028	<0.0001	<0.0005	0.002	0.00002	19.4	<0.0005	<0.0001	0.001	0.03	0.0006	<0.001	4.2	<0.005	<0.00002	0.001	<0.0005			
	0.029	<0.0001	<0.0005	<0.002	<0.00001	18.2	<0.0005	<0.0001	0.001	0.02	0.0002	<0.001	4	<0.005	<0.00002	0.001	<0.0005			
	0.031	<0.0001	<0.0005	<0.002	<0.00001	19.1	<0.0005	<0.0001	<0.001	0.02	<0.0001	<0.001	4	<0.005	<0.00002	0.001	<0.0005			
	0.042	<0.0001	<0.0005	0.002	0.00003	24.7	0.0009	<0.0001	<0.001	<0.01	<0.0001	0.001	5.2	<0.005	<0.00001	0.001	<0.0005			
	0.037	<0.00004		<0.004	<0.00008		0.0011	0.0001	<0.001	<0.01	<0.0001	<0.001		0.0011	<0.00001	0.00091	<0.001	<0.01		
	0.024	<0.00004		<0.004	<0.00008		<0.0006	0.00014	<0.001	0.238	<0.0001	<0.001		0.026	<0.00001	0.0002	0.002	0.02		
Y2	0.029	<0.00004		<0.004	<0.00008		0.0011	0.00014	<0.001	0.06	<0.0001	<0.001		0.0044	<0.00001	0.00077	<0.001	<0.01		
	0.031	<0.00004		<0.004	<0.00008		<0.0004	0.00003	<0.001	0.02	<0.0001	<0.001		0.0026	<0.00001	0.00102	<0.001	<0.01		
	0.031	<0.00004		<0.004	<0.00001		<0.0004	0.00006	<0.001	0.02	<0.0001	<0.001		0.0024	<0.00001	0.00104	<0.001	<0.01		
	0.031	<0.00004		<0.004	<0.00001		0.001	0.00004	0.001	0.07	<0.0001	0.001		0.0035	<0.00001	0.00092	<0.001	<0.01		
	0.033	<0.0001	<0.0005	0.004	<0.00001	22.3	<0.0005	0.0001	0.002	0.04	<0.0001	0.001	5.2	<0.005	<0.00001	0.001	<0.0005			
	0.035	<0.00004		<0.004	<0.00001	23.9	<0.0004	0.00012	<0.001	<0.01	0.0002	0.001	5.77	0.0042	<0.00001	0.00115	<0.001	<0.01		
	0.0354	<0.00001	<0.000005	<0.05	0.000009	23.4	<0.0001	0.00004	0.0012	0.057	0.000067	0.001	6.12	0.00637		0.00101	0.00066			
	0.0294	<0.00001	<0.000005	<0.05	0.000044	19.6	<0.0001	0.000018	0.00095	0.022	0.000058	0.0008	4.69	0.00147	<0.00001	0.00105	0.00052	0.002		
	0.0288	<0.00001	<0.000005	<0.05	0.000097	19.4	<0.0001	0.000009	0.00061	0.011	0.000049	0.0008	4.28	0.00145	<0.00001	0.00126	0.00034	0.003		

Station	olved	sphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.6	<0.0002	2.68	<0.0001	1.7	0.103	3.6	<0.00005	<0.001	0.0009	0.0008	0.0003	<0.001		0.04							
	0.9	<0.0002	2.82	<0.0001	1.8	0.079	3	<0.00005	<0.001	0.001	0.0008	0.0004	0.002		0.04							
	0.5	<0.0002	2.85	<0.0001	1.5	0.09	2.9	<0.00005	<0.001	0.0006	0.0006	0.0002	0.001		0.12							
	0.7	0.0002	2.48	<0.0001	1.8	0.097	3.4	<0.00005	<0.001	0.0009	0.0008	0.0004	0.004		<0.02							
	0.6	<0.0002	2.25	<0.0001	1.8	0.093	3.2	<0.00005	<0.001	<0.0005	0.0008	0.0005	0.002		<0.02							
	0.7	<0.0002	2.36	<0.0001	1.6	0.085	3.1	<0.00005	<0.001	<0.0005	<0.0005	0.0003	<0.001		0.02							
	0.7	0.0002	2.45	<0.0001	1.7	0.097	3.5	<0.00005	<0.001	<0.0005	0.0009	0.0004	<0.001		0.04							
	1	<0.0002	3.55	<0.0001	3.6	0.146	3.5	<0.00005	<0.001	0.0018	<0.0005	0.0012	0.007		<0.02							
	0.8	<0.0002	2.73	<0.0001	2.2	0.086	3.2	<0.00005	<0.001	0.0008	0.0007	0.0003	0.006		0.15							
	0.7	<0.0002	2.53	<0.0001	2	0.088	2.8	<0.00005	<0.001	0.0007	0.0007	0.0006	0.003		0.02							
	0.7	<0.0002	2.44	<0.0001	1.7	0.094	3	<0.00005	<0.001	0.0008	0.0007	0.0005	0.002		<0.02							
	0.8	<0.0002	2.69	<0.00001	2.2	0.107	3.7	<0.00005	<0.001	<0.0005	0.0009	0.0004	0.003		0.16							
		<0.0006		<0.0001		0.105		<0.00001	<0.0001	0.0002	0.0009	0.00029	<0.001	<0.0001	0.08		<0.0001	<0.0001	<0.0001	<0.0001		
	0.76	<0.0006	2.11	<0.00001	3.95	0.163		<0.00001	<0.0001	0.0008	<0.0006	0.00112	0.001	0.0002	<0.01	110	<0.0001	<0.0001	<0.0001	<0.0001		
Y2	0.76	<0.0006	1.62	<0.00001	2.17	0.093		<0.00001	<0.0001	0.0022	0.0008	0.00048	0.001	<0.0001	0.04		0.0005	0.0003	<0.0001	0.0001		
	0.74	<0.0006	2.84	<0.00001	2.3	0.092		<0.00001	<0.0001	0.0005	0.0008	0.00029	0.002	<0.0001	0.01		<0.0001	<0.0001	<0.0001	<0.0001		
	0.71	0.0009	2.77	<0.00001	2.29	0.097		<0.00001	<0.0001	0.0006	0.0007	0.00031	0.002	<0.0001	0.03		<0.0001	<0.0001	<0.0001	<0.0001		
	0.78	<0.0006	3.75	<0.00001	3.38	0.114		<0.00001	<0.0001	0.0012	0.0007	0.00063	0.002	0.0001	0.15		<0.0001	<0.0001	<0.0001	<0.0001		
	0.7	<0.0002	3.22	<0.00001	3	0.117	3.8	<0.00005	<0.001	0.0007	0.0009	0.0004	0.004		0.01							
	0.8	<0.0006	2.92	<0.00001	3.1	0.114		<0.00001	<0.0001	0.0002	0.0009	0.00016	0.002	<0.0001	0.06		<0.0001	<0.0001	<0.0001	0.0001		
	0.92	0.0002	3.3	<0.000005	2.11	0.114	5	0.000003	<0.00001	0.0014	0.000895	<0.0002	0.0013	<0.0001	0.05	NC		<0.00002		0.000019		
	0.75	0.00014	2.76	<0.000005	1.56	0.0784	3	0.000003	<0.00001	0.001	0.000698	0.0003	0.0013	<0.0001	<0.02	NC	<0.00002	<0.00002	<0.000005	0.000011		
	0.74	0.00014	2.5	<0.000005	1.53	0.0854	3	0.000002	<0.00001	<0.0005	0.00077	<0.0002	0.0014	<0.0001	0.03	NC	<0.00002	<0.00002	<0.000005	0.000009		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C
Y2																					21.6

Station	Description	Sample Date	Sample Comments	Discharge (Flow)	Staff Gauge Water Level	Total Suspended Solids	Total Dissolved Solids (lab)	Total Dissolved Solids (field)	Turbidity (lab)	pH (field)	pH (lab)	Conductivity (field)	Specific Conductance (field)	Specific Conductance (lab)	Temperature (field)	Dissolved Oxygen (field)	Dissolved Oxygen (field)	ORP (f
				m3/s	m	mg/L	mg/L	mg/L	NTU	pH Units	pH Units	µS/cm	µS/cm	µS/cm	C	mg/L	%	mV	mg/L
		15-Oct-2009	No Ionic Balance Available, Site wide freezing conditions were noted at all stations to varying degrees, preventing the collection of stream flows.			4	58		1.7	8.32	8	82.5		138	3.1	11.48	85.3	81.5	60.5
		01-Jun-2021	(2) DL raised due to insufficient sample volume			64	115 (2)		17		7.72			171					88.3

Station	(field)	Hardness (from total)	Hardness (from dissolved)	Alkalinity, total	Alkalinity, bicarbonate HCO3	Alkalinity, carbonate CO3	Alkalinity, PP carbonate CO3	Alkalinity, hydroxide OH	Colour	Chloride	Fluoride	Cyanide, Weak Acid Dissociable	Cyanide, Strong Acid Dissoc.	Cyanide, Total	Sulphate, dissolved	Ammonia (N)	Nitrite (N)	Nitrate (N)	Nitrogen, total	Total Kjeldahl Nitrogen	Phosphate, total	Total Reactive Orthophosphate	P-TDP	Total Inorganic Carbon	Dissolved Organic Carbo	Total Organi
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Col. Unit	mg/L	mg/L	mg/L	mg?L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	64.6	61	75	<0.5	<0.5	<0.5		<0.5		<0.0005		<0.0005	8.6	<0.005	<0.005	<0.02			0.01	<0.005			<0.5	0.5	0.043	
	75.9	72.1			<0.5			<0.5	0.12		0.00054		14		<0.0020	0.031	0.303	0.272		0.0013		6.8			0.0125	

Station	n	t Carbon	Aluminum (Al), total	Antimony (Sb), total	Arsenic (As), total	Barium (Ba), total	Beryllium (Be), total	Bismuth (Bi), total	Boron (B), total	Cadmium (Cd), total	Calcium (Ca), total	Chromium (Cr), total	Cobalt (Co), total	Copper (Cu), total	Iron (Fe), total	Lead (Pb), total	Lithium (Li), total	Magnesium (Mg), total	Manganese (Mn), total	Mercury (Hg), total	Mol
	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
			0.00008	0.00041	0.0291	<0.00001	<0.000005	<0.05	0.000018	17.4	0.0001	0.000047	0.00068	0.06	0.00009	0.0008	4.16	0.00443	<0.00001	0.00115	
			<0.0005	0.00044	0.0298	<0.0001	<0.001	<0.05	<0.00001	20.8	<0.001	<0.0002	0.00107	0.0506	<0.0002	<0.002	5.27	0.0045	<0.0000019	<0.001	

Station	bdenum (Mo), total	Nickel (Ni), total	Phosphorous (P), total	Potassium (K), total	Selenium (Se), total	Silicon (Si), total	Silver (Ag), total	Sodium (Na), total	Strontium (Sr), total	Sulphur (S), total	Thallium (Tl), total	Tin (Sn), total	Titanium (Ti), total	Uranium (U), total	Vanadium (V), total	Zinc (Zn), total	Zirconium (Zr), total	Aluminum (Al), dissolved	Antimony (Sb), dissol	Ars
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.00073	0.005	0.64	0.00013	2.2	<0.000005	1.44	0.0828	4	<0.000002	<0.00001	0.0016	0.000787	<0.0002	0.0013	0.0002	0.01	0.00008	0.00038	
	<0.001		0.722	0.00015	3.3	<0.00002	2.17	0.114	3.8	<0.00001	<0.005	<0.005	0.00076	<0.005	<0.005	0.0001				

Station	ved	enic (As), dissolved	Barium (Ba), dissolved	Beryllium (Be), dissolved	Bismuth (Bi), dissolved	Boron (B), dissolved	Cadmium (Cd), dissolved	Calcium (Ca), dissolved	Chromium (Cr), dissolved	Cobalt (Co), dissolved	Copper (Cu), dissolved	Iron (Fe), dissolved	Lead (Pb), dissolved	Lithium (Li), dissolved	Magnesium (Mg), dissolved	Manganese (Mn), dissolved	Mercury (Hg), dissolved	Molybdenum (Mo), dissolved	Nickel (Ni), diss	Pho
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.0294	<0.00001	<0.000005	<0.05	0.000006	18.5	<0.0001	0.000011	0.00048	0.014	0.00002	0.0008	4.48	0.00096	<0.00001	0.00121	0.00033	0.002	

Station	olved	Phosphorous (P), dissolved	Potassium (K), dissolved	Selenium (Se), dissolved	Silicon (Si), dissolved	Silver (Ag), dissolved	Sodium (Na), dissolved	Strontium (Sr), dissolved	Sulphur (S), dissolved	Thallium (Tl), dissolved	Tin (Sn), dissolved	Titanium (Ti), dissolved	Uranium (U), dissolved	Vanadium (V), dissolved	Zinc (Zn), dissolved	Zirconium (Zr), dissolved	Nitrite & Nitrate, as N	Ion Balance	Tellurium (Te), dissolved	Tellurium (Te), total	Thorium (Th), dissolv	T
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	
	0.68	0.00013	2.2	<0.000005	1.53	0.0862	<3	<0.000002	<0.00001	<0.0005	0.000809	<0.0002	0.0007	<0.0001	<0.02	NC	<0.00002	<0.00002	<0.000005	<0.000005		

Station	ed	horium (Th), total	Al-E	As-E	Ba-E	B-E	Cd-E	Cr-E	Cu-E	Fe-E	Hard-E	Mn-E	Na-E	P-E	Pb-E	Sb-E	SO4-E	U-E	Zn-E	Field Preservation	Temp-obs-pH
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	N/A	C