

TRANSMITTAL

DATE: March 31, 2026

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TO: Mr. Shawn Chretien

RE: 2025 Summary Report Vale Base Metals

ATTN: CC: Sarah Deadman

We enclose the following:

NO. OF COPIES	DOCUMENT/ DRAWINGS	DESCRIPTION
1	Documents	Summary Report for Vermilion Water Treatment Plant for the 2025 calendar year as required under Schedule 22 of O. Reg. 170/03. This report is for information only and posting is not required as per MECP legislation.

COMMENTS:

Should there be any questions please feel free to contact me directly at 682-8247.

Thanks,

Name: **Wendy Wisniewski**

Water Plants
Ontario Operations

March 31st, 2026

Mr. Jack Larche
Superintendent Water Treatment
Vale Base Metals

Please find attached the 2025 Summary Report for the Vermilion Water Treatment Plant and Systems. This report is in accordance with legislation O. Reg. 170/03 which requires an annual Summary Report to be prepared no later than March 31st for the preceding calendar year.

The report must be provided to the board of directors (or designate) of a corporation if privately owned, and to any system or municipality who receives water from the owner's treatment facilities. The report must list requirements of the Act, the regulations, system's approval and any order that the system failed to meet at any time during the report period. It must specify the actions and measures taken to correct the failures if any.

For the purpose of enabling the owner to assess the capabilities and planned uses of the system the following information is also provided; a summary of the quantities and flow rates of water supplied, monthly averages, maximum daily flows, and instantaneous peak flow rates with a comparison of the summary of flow rates to the rated capacities in the systems approval.

This report identifies several areas of improvement and dedication by the staff to continue to strive to produce the best possible product for Vale Base Metals and the community we serve. The continued upgrades to this facility in terms of equipment, communication and connectivity to the larger complex will aid in the transfer of data as well as enhance overall monitoring. We are underway with a study to look at current and future water demands both within Vale as well as with the City of Greater Sudbury and surrounding communities.

Should you have any questions or require any clarification, please contact me directly.

Thank you,



Wendy Wisniewski
Senior Environmental Analyst
Vale Base Metals



SUMMARY REPORT

Schedule 22

Vermilion Water Treatment Plant
Ontario Regulation 170/03
March 31st, 2026

SCHEDULE 22



Safe Drinking Water Act, 2002
ONTARIO REGULATION 170/03
Last amendment: O. Reg. 269/22
DRINKING-WATER SYSTEMS

SCHEDULE 22
SUMMARY REPORTS FOR MUNICIPALITIES
Municipal: Large Residential and Small Residential

SUMMARY REPORT

Schedule 22

Vermilion Water Treatment Plant
Ontario Regulation 170/03
March 31, 2026

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1.0 Introduction

The purpose of this report is to provide senior management of Vale's Base Metals Water Plants with the Vermilion Water Treatment Plant's drinking water systems status and capacities. This report lists the requirements of the Safe Drinking Water Act (SDWA), the regulations, the Plant's compliance to the Act and Regulations, and any order from the Ministry of Environment, Conservation and Parks (MECP) that the system failed to meet during the period covered by the report. Should a failure of the system be identified the measures that were taken to correct the failure will be identified.

This report will also list a summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly averages, maximum daily flows and daily instantaneous peak flow rates, with a comparison to the rated capacity of the system. This will enable the reader of the report to assess the capability of the system to meet existing and future planned uses of the system.

In accordance with the Ministry of Environment, Conservation and Parks (MECP) regulation 170/03, the reporting period for this report is January 1st, 2025, to December 31st, 2025

This Summary Report is required by the MECP and is filed annually for the previous calendar year. An "Annual Report", to fulfill Section 11 of Ontario Regulation 170/03, has been completed separately and provides the details of drinking water quality at the Vermilion Water Treatment Plant. This annual report is available for viewing on site at VALE's Base Metals Supervisor's office by contacting 705-682-6548.

Purpose

As stated in the introduction this report is required by the Ministry of Environment, Conservation and Parks (MECP), and is filed annually for the previous calendar year and satisfies Ontario Regulation 170/03, sch. 22.

2.0 Vermilion Water Treatment Plant Operational Requirements

System

VALE's Base Metals Vermilion Water Treatment Plant is located off Regional Road 24, at 1040 Wavell Street across from the VALE Base Metals Creighton Mine turnout. The Vermilion Water Treatment Plant produces potable water for:

- VALE Base Metals Operations – Creighton Mine, Nickel Refinery, Copper Refinery, Smelter, South Mine, North Mine, Clarabelle, Tailings Area and the
- City of Greater Sudbury-Copper Cliff, Lively, Naughton, Whitefish & Atikameksheng Anishnawbek First Nations

The Vermilion Water Treatment Plant provides water to the City of Greater Sudbury which serves more than 10,000 people with the treated water. Therefore, the Vermilion Water Treatment Plant is designated Large Municipal Residential. The Vermilion Plant obtains its water supply from a surface water source. The surface water source is the Vermilion River. Under Ontario Regulation 170/03 the general obligations of the Vermilion Water Treatment Plant are:

1. **Filtration.** The Vermilion Water Treatment Plant has treatment equipment that is designed to be capable of chemically assisted filtration. Use of conventional filtration, the treatment consists of chemical coagulation with Alum, polymer, rapid mixing, flocculation and sedimentation followed by rapid sand filtration. The Vermilion Water Treatment Plant uses chemical coagulant at all times when plant is in operation, monitors and adjusts chemical dosages in response to variations in raw water quality; maintains effective filter backwashes, ensures that the effluent turbidity requirements are met at all times by continuously monitoring filtrate turbidity from each filter; and target filtered water turbidities of less than or equal to 0.1 NTU in 95% of the measurements each month. It is also designed to be capable of achieving, at all times, primary disinfection in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario, including at least 99 per cent removal or inactivation of *Cryptosporidium* oocysts, at least 99.9 per cent removal or inactivation of *Giardia* cysts and at least 99.99 per cent removal or inactivation of viruses by the time water enters the distribution system.
2. **Primary Disinfection.** Vermilion Water Treatment Plant is operated so that a disinfectant residual is maintained in the distribution system. This results in a persistent disinfectant residual that protects the water from microbiological re-contamination, reduces bacterial regrowth, controls biofilm formation and serves as an indicator of distribution system integrity (loss of disinfectant residual indicating that the system integrity has been compromised). Chlorine provides a persistent disinfectant residual that is used for the maintenance of a residual in the distribution system. The Vermilion Water Treatment Plant is therefore capable of primary disinfection because of its use of liquefied chlorine for chlorination in accordance with the Ministry's *Procedure for Disinfection of Drinking Water in Ontario* and is therefore designed to be capable of achieving, at all locations within the City of Greater Sudbury's Vermilion Distribution System a free chlorine residual of 0.2 milligrams per liter. The Vermilion Water Treatment Plant is also capable of achieving, at all locations within VALE Base Metals Plumbing System, a free chlorine residual of 0.2 milligrams per liter.
3. **Operation of Plant.** The Vermilion Water Treatment Plant is operated:
 - 1) ensure that whenever water is being supplied by the plant the water treatment equipment is in operation and
 - 2) that the treatment equipment is operated in accordance with the Ministry's *Procedure for Disinfection of Drinking Water in Ontario*.
 - 3) that the treatment plant is in accordance with Municipal Drinking Water License 191-101 issue number 4 dated February 22, 2026, and the Drinking Water Work Permit 191-201 issue number 4 dated February 22, 2026.
 - 4) that the water treatment equipment is operated in a manner that achieves the design capabilities
 - 5) that the water treatment equipment provides chlorination for secondary disinfection
 - 6) that the equipment is operated so that, at all times and at all locations within the City of Greater Sudbury Vermilion Distribution System, the free chlorine residual is never less than 0.05 milligrams per liter.
 - 7) Adjustments to the water treatment equipment are carried out only by certified operators.
4. **Operational Checks, Sampling, Testing and Maintenance.** The Vermilion Water Treatment Plant performs operational check, sampling, testing and maintenance in accordance with Ontario Regulation 170/03. The following section outlines compliance to:
 - 1) Sample locations

- 2) Sampling frequency
- 3) Sample handling
- 4) Sampling equipment
- 5) Sampling laboratories
- 6) Interpretation of Sample Test Results
- 7) Sampling records, and
- 8) Equipment maintenance.

Sample locations:

Samples are taken from the point at which water enters the drinking-water systems, distribution system or plumbing works that are connected to the drinking-water system. Microbiological samples and chlorine residuals are required to ensure safe drinking water. A water sample is taken and tested for a microbiological parameter, and another sample is taken at the same time from the same location and is tested immediately for free chlorine residual.

Sampling methods. The samples can be taken in the form of grab samples or by a continuous sampler. Continuous monitoring is used for:

- (a) turbidity;
- (b) fluoride; and
- (c) free chlorine residual

Sampling frequency:

The continuous monitoring equipment complies with standards for minimum testing and recording frequency specified in the table below.

Parameter	Minimum Testing Recording Frequency	Maximum Alarm Standard	Minimum Alarm Standard
Free chlorine residual required to achieve primary disinfection	5 minutes	Not applicable	0.1 milligrams per litre less than the concentration of free chlorine residual that is required to achieve primary disinfection
Turbidity	15 minutes	1.0 Nephelometric Turbidity Units (NTU) above 15 minutes	Not applicable

Sample handling:

All samples are taken and handled in accordance with the directions of the laboratory to which the sample will be delivered for testing, including directions with respect to,

- (a) collection procedures;
- (b) the use of specified kinds of containers or of containers that are provided by the laboratory;
- (c) the labelling of samples;
- (d) the completion and submission of forms that are provided by the laboratory;
- (e) methods of transporting samples, including temperature conditions that must be maintained during transportation; and
- (f) time periods for delivery of samples.

Sample Equipment:

Chlorine residual testing is done by a certified operator using a HACH DR / 2800 spectrophotometer. Continuous monitoring is carried out at locations that have been identified as appropriate by the Ontario Regulation 170/03. Continuous monitoring is carried out on chlorine residual, turbidity and fluoride.

- (a) Chlorine Residual. Sampling and testing for free chlorine residual is carried out by continuous monitoring equipment at a location where the intended contact time has just been completed. This is done in accordance with the Ministry's *Procedure for Disinfection of Drinking Water in Ontario*. The Vermilion Water Treatment Plant provides secondary disinfection with chlorination and an "on-line" distribution analyzer is located within the City of Greater Sudbury's distribution network and continually tests for free chlorine residual. The SCADA system is programmed to monitor CT values and alarm if CT is not being met as per MECP chlorination guidelines.
- (b) Turbidity. Sampling and testing for turbidity is carried out by continuous monitoring equipment on the clarifier, each filter effluent line and finished water. All turbidity testing is conducted using a turbidity meter that measures turbidity in Nephelometric Turbidity Units (NTU)
- (c) Fluoridation. Sampling and testing for fluoride is carried out by continuous monitoring equipment. Grab samples are taken at the end of the fluoridation process at least (1) time per shift. The grab sample is tested for fluoride with a bench meter. The target concentration of fluoride is between 0.6 and 0.8 milligrams per litre at the end of the fluoridation process.

Sampling Laboratories. Testing of a water sample is done by a laboratory that was identified to the Director in a written notice to said Director.

1. Testmark Laboratories LTD.
7 Margaret St., Garson, Ontario
Canada, P3L 1E1 Phone: (705) 693-1121

Interpretation of Sample Test Results:

All testing is carried out and interpreted by a certified operator or water quality analyst. Bench scale test results, as well as continuous monitoring test results are examined each shift (well within the 72 hours after sampling and testing) by a certified operator. The continuous monitoring equipment has an alarm that sounds if the equipment malfunctions or loses power or a test result for a parameter is above or below the maximum alarm standard at:

- the location where the equipment conducts tests.
- and in the Vermilion Water Treatment Plant Control Room where a certified operator is present.

If any of the testing equipment malfunctions or loses power or a test result for a parameter is above or below the maximum alarm standards, the certified operator takes appropriate action.

Sampling Records. Every sample that is taken has a record stating the date and time the sample was taken, the location where the sample was taken and the name of the person who took the sample. This does not apply to a sample tested by continuous monitoring equipment.

Equipment maintenance. An Engineering report was prepared on May 31st 2001. After the engineer inspected the plant, the resulting report ensured compliance:

- 1) with Schedule 2 was being provided, and
- 2) compliance with Schedule 6 for operational checks.

- 3) with a maintenance schedule that sets out requirements relating to the frequency with which the water treatment must be inspected, tested and replaced.

The continuous monitoring equipment, as well as the flow measurement equipment is checked and calibrated in accordance with the manufacturer’s instructions by Ontario Mill, Tailings and Water Plant Instrumentation Department personnel and outside certified agencies. We follow a CMMS system for work orders and Preventative Maintenance Scheduling/tracking.

Compliance

Compliance with the Safe Drinking Water Act and its associated Regulations:

1. There were no adverse test results requiring notification during this reporting period.
2. A minimum of 52 weekly samples for microbiological testing was completed as required under section 10-3 & 10-4 in 2025.
3. All operational testing required under Schedule 7 in 2025 were completed.
4. There was additional testing required by an approval or order in 2025 under section 5.2, Table 7 of Municipal Drinking Water License #191-101 issue number 3. The additional tests are regarding Total Suspended Solids (TSS) and total chlorine residual being discharged to the environment as part of the existing process. Sampling to review TSS levels was initiated in 2008 and continued to date. Total Chlorine on the raw of water reporting to the natural environment commenced September 2021.
5. All required Organic parameters were tested for in 2025 and none exceeded the levels outlined in Safe Drinking Water Act, 2002 – Ontario Regulation 169/03 Ontario Drinking-Water Quality Standards.
6. All required inorganic parameters were tested for in 2025 and none exceeded the levels outlined in Safe Drinking Water Act, 2002 – Ontario Regulation 169/03 Ontario Drinking-Water Quality Standards.
7. Reduction in pre and post chlorine levels to reduce trihalomethanes and haloacetic acids in the Vermilion Distribution system

3.0 Legislative and Regulation Requirements

Safe Drinking Water Act, 2002, S.O. 2002, c.32

Commencement of this Act:

The date of Royal Assent was December 13th, 2002. Sections 1 to 170 of the Act come into force on a day to be named by proclamation of the Lieutenant Governor.

		O. Reg.	Latest Amendments
	SAFE DRINKING WATER ACT, 2002		
1	Certification of Drinking-Water System Operators and Water Quality Analysts	128/04	819/21
2	Compliance and Enforcement	242/05	328/08
3	Definitions of “Deficiency” and “Municipal Drinking-Water System”	172/03	69/25
4	Definitions of Words and Expressions Used in the Act	171/03	336/13
5	Drinking-Water Systems	170/03	269/22
6	Drinking-Water Testing Services	248/03	821/21
7	Financial Plans	453/07	69/08

8	Licensing of Municipal Drinking Water Systems	188/07	325/08
9	Municipal Residential Drinking Water Systems in Source Protection Areas	205/18	67/24
10	Ontario Drinking-Water Quality Standards	169/03	457/16
11	Schools, Private Schools and Child Care Centers	243/07	459/16
12	Service of Documents	229/07	368/21

The following Regulations are associated with the Safe Drinking Water Act, 2002, S.O. 2002, c.32

1. **O. Reg. 128/04 Certification of Drinking-Water System Operators and Water Quality Analysts**

This Regulation was filed on May 14, 2004 (Amended to 819/21). In 2009, Section 29 listing Operator training requirements and the number of training hours required came into force. Class III Water Treatment will require 14 hours of continuing education with an additional 26 hours of on-the-job practical training.

Continuing education that is used to meet the training requirements must be approved by the Director using criteria which includes the following:

- a. The training course must have documented learning objectives.
- b. The training course must be planned and be provided by a qualified training provider.
- c. The training course must include a means to verify that the participants have learned the material covered in the course
- d. The training course must cover subject matter that is directly related to the duties typically performed by an operator.

The on-the-job practical training that is used to meet the training requirements must meet criteria that include the following:

- a. The training must have documented learning objectives.
- b. The training must be provided by a trainer with expertise in the subject matter that is being covered.
- c. The training must be in respect of subject matter that is directly related to the duties typically performed by an operator

Note: The annual number of hours of training set out in the Table to this section may be averaged over the three years during which an operator's certificate is valid but shall not be reduced or prorated for an operator who is employed on a part-time basis.

ANNUAL TRAINING FOR OPERATORS

Type and Class of Subsystem Where the Operator is Employed	Training Requirements	Minimum Total Hours
Limited Groundwater or Limited Surface Water	7 hours or more of continuing education, with the remaining hours to at least the minimum total as on-the-job practical training	20
Class I Water Treatment or Class I Distribution or Class I Distribution and Supply	7 hours or more of continuing education, with the remaining hours to at least the minimum total as on-the-job practical training	30
Class II Water Treatment or Class II Distribution or Class II Distribution and Supply	12 hours or more of continuing education, with the remaining hours to at least the minimum total as on-the-job practical training	35
Class III Water Treatment or Class III Distribution or Class III Distribution and Supply	14 hours or more of continuing education, with the remaining hours to at least the minimum total as on-the-job practical training	40
Class IV Water Treatment or Class IV Distribution or Class IV Distribution and Supply	14 hours or more of continuing education, with the remaining hours to at least the minimum total as on-the-job practical training	50

O. Reg. 128/04, s. 29, Table.

2. **O. Reg. 242/05 Compliance and Enforcement**

Ontario regulation 242/05 (Amended to O. Reg 328/08). This regulation lists the requirements for inspections. What to do when deficiencies and contraventions are found. This regulation also deals with enforcement, investigations and notices required once investigations have been completed.

3. **O. Reg. 172/03 Definitions of “Deficiency” and “Municipal Drinking-Water System”**

Ontario regulation 172/03 (Amended to O. Reg 69/25). Provides definitions of words and expressions within the Safe Drinking Water Act and associated Regulations.

4. **O. Reg. 171/03 Definitions of Words and Expressions Used in the Act**

Ontario regulation 171/03 (Amended to O. Reg 336/13). Provides definitions of words and expressions within the Safe Drinking Water Act and associated Regulations.

5. **O. Reg. 170/03 Drinking-Water Systems**

This Regulation was filed on 10/02/2004. Ontario Regulation 170/03 is amended to O. Reg 269/22. This regulation outlines the requirements for:

- 1) Types of Drinking Water Systems
- 2) Required reports (annual, summary reports)
- 3) Retention of records
- 4) Treatment equipment requirements
- 5) Types of Treatment
- 6) Operational Checks, Sampling and Testing
- 7) Use of accredited laboratories
- 8) Maintenance and Operational
- 9) Microbiological Sampling and Testing
- 10) Chemical Sampling and Testing
- 11) Reporting Adverse Test Results and Other Problems
- 12) Corrective Action
- 13) Engineers' Reports
- 14) Inorganic Parameters
- 15) Organic Parameters

6. **O. Reg. 248/03 Drinking-Water Testing Services**

Ontario Regulation 248/03 (Amended to O.Reg. 821/21). Drinking-Water Testing Services is the regulation governing accredited laboratories that came into effect October 31, 2004.

- 1) Lists systems that do not require drinking-water testing licence
- 2) Lists prescribed tests of the Safe Drinking Water Act
- 3) Lists person(s) to do water quality analysis
- 4) Lists the types of tests that can be conducted for the sole purpose of carrying out research or Criteria for drinking-water testing services
- 5) Conditions of drinking-water testing licence
- 6) Handling samples
- 7) Testing records
- 8) Laboratory qualifications and accreditation

7. **O. Reg. 453/07 Financial Plans**

Ontario regulation 453/07 (Amended to O. Reg 69/08) requires facilities that provide municipal drinking water to prepare a financial plan

8. **O. Reg. 188/07 Licensing of Municipal Drinking Water Systems**

Ontario Regulation 188/07 (Amended to O. Reg 325/08) requires all owners of a municipal drinking water system to obtain a license from the Director of the Ministry of Environment, Conservation and Parks to operate their system. The requirements to obtain a license include

1. A drinking water works permit

2. An operational plan documenting the quality management system
 3. A financial plan
 4. Accreditation of the operating authority confirming third-party verification that their quality management system conforms to Ontario's Drinking Water Quality Management Standard
 5. A permit to Take water
9. **O. Reg. 205/18 Municipal Residential Drinking Water Systems in Source Protections Areas**
Ontario regulation 205/18 (Amended to O. Reg 67/24) This regulation ensures sources of drinking water for new or expanding municipal drinking water systems are protected before treated water is provided to the public.
10. **O. Reg. 169/03 Ontario Drinking-Water Quality Standards**
Ontario Regulation 169/03 (Amended to O. Reg 457/16). This regulation sets out standards in Schedules 1, 2 and 3 as prescribed drinking-water quality standards. This regulation also deems the compliance standards for water quality.
11. **O. Reg. 243/07 Schools, Private Schools and Day Nurseries**
Ontario regulation 243/07 (Amended to O. Reg 459/16). This regulation deals with private schools and day nurseries that do not obtain their water from a drinking water system. It presents the interpretation, the requirements for weekly flushing, record keeping and the exemptions.
12. **O. Reg. 229/07 Service of Documents**
Ontario Regulation 229/07 (Amended to O. Reg 368/21) stipulates the methods of giving or serving documents and conditions applying to those methods,

Exemption

Exemptions for Vermilion Water Treatment Plant

The City of Greater Sudbury purchases approximately 25-30% of the Vermilion Water Treatment Plant daily production. The other 70-75% is used by VALE Base Metals Operations. The distribution system is owned and maintained by the City of Greater Sudbury. City of Greater Sudbury personnel are required to take samples in Distribution System. Should they find a sample that is non-compliant then they must alert the Vermilion Water Treatment Plant as well as report these test values to the Ministry of Environment, Conservation and Parks Spill Action Center and the local Medical Officer of Health. We also get regular sample updates on chlorine residuals and fluoride levels in the distribution system from the City of Greater Sudbury. Typically, we meet semi-annually to discuss operational issues and capital requirements.

Engineer's Report

An Engineering report was prepared on May 31st 2001. The required engineers report was completed to certify compliance to existing regulations. The Engineer made recommendations on all the deviations that were found within the drinking water system. Under the SDWA, the requirement for an Engineer's Reports has been removed as part of the regulations. This is incorporated and included in the comprehensive Drinking Water Quality Management System (DWQMS).

4.0 Executive Summary

In 2025, the Vermilion Water Treatment Plant was operated in compliance with the Safe Drinking Water Act and all its associated Regulations. A comprehensive DWQMS was implemented and submitted in accordance with the regulations. All audits have been completed for all 21 elements and NSF International has granted a full scope accreditation. Equipment manuals are all available via the web or hard copies on site and all approvals are being managed with through Vale's Base Metals Environmental department and the MECP.

The treatment system was operated so that the maximum flow rate of 81,800 m³/d was never exceeded in 2025. The *peak* daily flow was recorded November 8, 2025, at 45,288 m³/d for a capacity vs. design of 55.4%. (There were other peak daily flows recorded but investigations showed this was during periods of maintenance on flow meters or during plant downtimes).

In 2025, a five-million-gallon tank and booster station were added to the Vermilion system. The newly constructed tank will provide a reliable source of potable drinking water to Vale operations and the municipal drinking water system.

The Vermilion Water Treatment plant operated and maintained the disinfection facilities of the plant in such a manner that it was in accordance with the Ministry Procedure B13-3 entitled "Chlorination of Potable Water Supplies in Ontario", dated January 2001. It also complied with the "Procedure for Disinfection of Drinking Water in Ontario" as adopted by the safe drinking water act in April 2003. The plant monitors CT values and requirements on-line continual and have alarms associated.

The water works was operated in such a manner that a sufficient quantity of water was directed to Meatbird Creek. The plant maintained a minimum daily average flow of 106.0 L/s to the creek at all times in 2025. (excluding maintenance events or emergencies as required)

Monitoring and Recording:

1. Raw water from river to plant:
 - Flow rate of the raw water feed to the Treatment Plant was recorded daily
 - Quantity of water was calculated daily.

2. Treated Water:
 - Maximum design capacity of the Vermilion Water Treatment Plant 81,800 m³/d.
 - Flow rate of treated water supplied by the water works was recorded daily
 - Volume of water conveyed through the treatment system was recorded daily

3. Meatbird Creek System:
 - Target Flow Rate in the operating licence is 106 L/s
 - Flow rate to Meatbird Creek.
 - Daily quantity of water directed to Meatbird Creek.

5.0 Water Distribution Systems & Flow Summaries

The City of Greater Sudbury owns and manages the distribution system. They sample the water in the distribution system and report any problems to the Vermilion Water Treatment Plant Operator and any exceedances from standards to the Ministry of Environment, Conservation and Parks and the Medical Officer of Health.

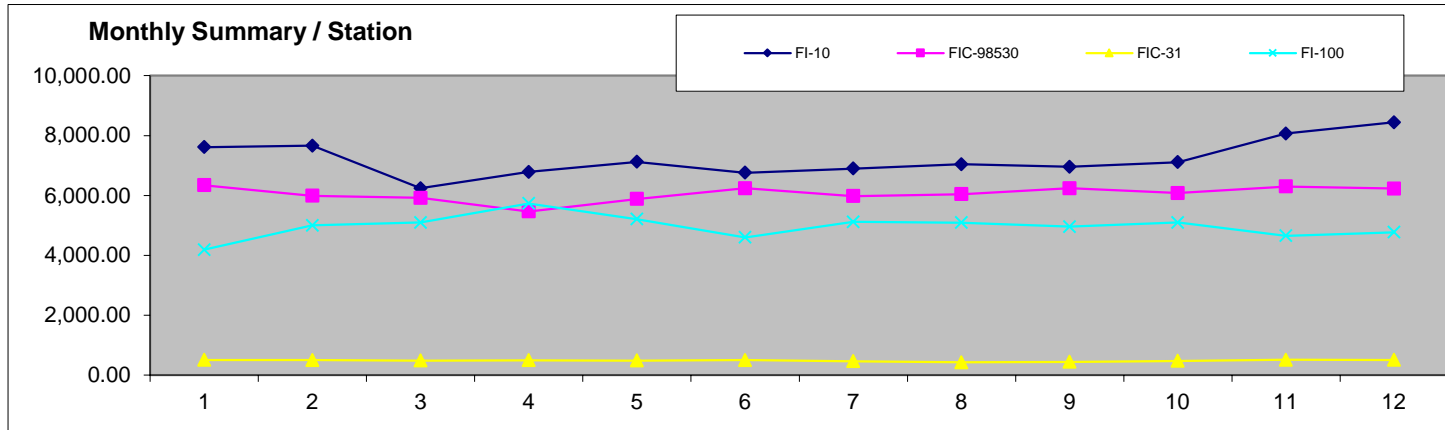
The Following Tables Summarize the Monthly Flows for the Vermilion Water Treatment Plant and the on-line water quality data:



Annual Average Flow Summary Vermilion WTP

Summary : 2025

Month	Raw Inlet Flow (FI-10) GPM	CC Treated Flow (FIC-98530) GPM	Creighton Flow (FIC-31) GPM	U-Drain Flow (FI-100) USGPM
January	7,613.70	6,341.62	512.81	4,188.67
February	7,661.91	5,993.73	505.71	5,001.07
March	6,238.36	5,920.56	493.60	5,097.65
April	6,786.80	5,468.02	504.43	5,733.12
May	7,124.15	5,884.10	492.24	5,210.25
June	6,756.92	6,240.26	506.46	4,601.95
July	6,895.48	5,982.76	465.31	5,121.41
August	7,043.14	6,042.12	430.93	5,094.30
September	6,958.48	6,243.61	449.67	4,961.10
October	7,110.30	6,081.00	476.20	5,097.14
November	8,066.38	6,299.23	514.07	4,655.28
December	8,438.94	6,231.81	509.96	4,773.89
Annual Average:	7,224.55	6,060.74	488.45	4,961.32





Monthly Flow Reading Summary Vermilion WTP

1-Jan-2025												
Month Min	8,330.60	-71.65	6,202.44	6,219.21	2.61	5,203.43	578.38	11.46	416.20	5,559.68	0.71	2,191.01
Month Max	11,477.43	7,465.84	9,014.42	7,808.98	4,819.93	7,118.41	1,095.10	198.73	553.93	12,897.01	2,853.14	5,653.94
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Jan	9726.69	5958.29	6743.79	6301.28	3899.89	6005.83	578.38	197.81	416.20	11462.46	2400.57	5183.49
2-Jan	9817.74	6009.03	6846.85	6340.60	3841.28	6052.55	584.34	198.20	523.08	11475.72	2285.04	4956.40
3-Jan	9827.97	5450.06	6766.44	7248.79	3711.17	6047.64	579.31	198.31	510.49	11572.16	2128.73	4926.08
4-Jan	10132.81	5436.15	7462.38	7391.46	3712.62	6648.99	579.93	198.11	517.35	10842.08	1834.83	4158.20
5-Jan	9990.92	5551.24	7490.91	7332.47	3496.68	6644.15	580.00	198.22	534.93	10778.61	2133.65	4177.40
6-Jan	10177.82	4765.70	7423.69	7602.34	3884.47	6640.74	581.40	198.56	508.18	11002.32	1960.67	4182.25
7-Jan	10013.88	4827.04	7948.57	7540.05	3986.78	7059.41	583.55	198.37	517.06	10930.63	1662.26	3526.80
8-Jan	10053.91	6054.25	7392.37	7168.62	4056.49	6644.51	581.08	198.73	532.74	11488.27	1846.43	4078.91
9-Jan	9384.98	5660.71	6860.87	7091.46	3904.76	6112.54	584.96	191.23	497.94	11796.27	2443.40	4805.48
10-Jan	10598.93	433.56	7892.69	7779.91	4298.22	6710.13	581.24	197.88	538.75	11519.26	1976.43	3983.04
11-Jan	10519.53	7465.84	8726.64	7618.88	4535.15	7118.41	580.20	198.06	476.60	10617.90	2195.99	3510.71
12-Jan	10569.62	6362.35	8234.32	7500.28	3841.61	6733.13	578.95	197.59	499.04	11342.69	2174.06	4106.27
13-Jan	10819.47	6873.51	8090.65	7324.52	4456.06	6553.25	580.07	197.95	553.93	11239.69	1869.63	4252.33
14-Jan	11054.81	5898.56	7994.27	6781.78	4154.64	6437.33	579.44	198.27	502.74	10952.61	1761.56	4329.91
15-Jan	10052.77	5409.35	7207.10	6377.05	3320.12	5338.46	579.57	198.48	524.59	12897.01	2853.14	5653.94
16-Jan	10973.98	5765.51	7537.56	6281.38	3913.26	5647.76	579.02	188.71	520.59	12109.94	2295.83	5407.64
17-Jan	10242.34	5837.96	7304.55	6219.21	4357.37	5962.32	579.33	197.83	485.07	11758.37	2303.95	5009.23
18-Jan	10358.46	6357.58	7403.91	6924.33	4160.55	5983.63	580.09	198.48	519.14	11560.59	2083.69	4801.92
19-Jan	10680.01	5481.40	7885.97	7069.63	4161.58	6448.78	580.14	198.40	481.04	10765.56	1615.67	3876.69
20-Jan	11321.23	6935.27	7895.44	7090.56	4557.39	6471.40	580.41	198.72	504.80	11092.63	1271.92	3658.53
21-Jan	10460.57	6721.27	8047.84	7075.54	4674.34	6471.13	581.11	198.56	542.32	11234.61	1393.57	3601.48
22-Jan	10446.11	5676.15	7765.37	7037.04	4281.54	6459.39	581.26	198.14	524.28	11336.11	1644.77	3639.85
23-Jan	8330.60	1981.97	6202.44	6997.89	2724.95	5203.43	583.36	197.80	506.17	5559.68	0.95	2191.01
24-Jan	11198.50	530.17	7150.96	7316.30	3047.28	6095.33	580.36	198.61	510.62	12305.96	2.92	4227.75
25-Jan	11180.01	4997.79	8743.09	7808.98	3576.49	7100.20	580.40	197.79	533.78	10789.61	1735.77	3513.95
26-Jan	11477.43	4967.78	9014.42	7699.03	3638.39	7101.30	581.13	197.67	550.12	10702.99	1743.06	3522.04
27-Jan	9215.55	-71.65	6756.09	7264.92	2.61	5502.08	1095.10	11.46	441.25	7088.94	0.71	2988.31
28-Jan	10539.95	3744.51	8611.09	7598.92	3215.76	6754.87	580.59	198.06	545.60	10897.38	1.19	3578.43
29-Jan	10606.06	6528.15	8578.21	7549.74	4544.58	7058.20	581.65	197.30	528.63	11016.82	1950.03	3594.18
30-Jan	9811.27	4859.82	6802.98	6258.41	3568.05	5536.81	580.80	198.54	525.55	11884.01	2663.84	5493.23
31-Jan	10009.59	5226.20	7243.27	6836.65	4819.93	6046.46	580.77	197.20	524.48	11484.70	2064.77	4913.44
1-Feb												
Average	10,309.47	5,086.95	7,613.70	7,110.58	3,817.55	6,341.62	597.35	191.58	512.81	11,016.31	1,751.58	4,188.67



Monthly Flow Reading Summary Vermilion WTP

1-Feb-2025												
Month Min	8,719.32	-32.23	6,947.37	5,731.27	2.59	5,268.47	577.51	-12.22	456.27	5,999.59	1,669.29	4,130.49
Month Max	11,922.48	7,344.69	8,619.01	7,603.78	5,629.12	6,706.14	586.76	199.03	556.86	12,714.11	4,482.60	5,865.84
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Feb	10001.38	6258.61	7592.57	6887.09	4483.51	6554.00	579.39	197.39	458.04	11251.73	2095.19	4379.77
2-Feb	10305.45	5575.81	7314.01	6669.76	3871.28	6074.88	578.68	198.68	481.57	11737.72	1963.27	4951.94
3-Feb	10731.97	6301.92	7541.67	6813.25	3811.73	6228.68	583.62	197.57	501.93	11525.17	1706.83	4734.80
4-Feb	10257.19	6275.16	7587.71	6893.52	4074.98	6269.68	579.89	198.41	525.88	11165.64	1769.58	4650.52
5-Feb	9751.63	459.94	7203.23	6760.51	3882.08	5903.79	579.44	199.03	506.56	12343.81	2921.88	5110.48
6-Feb	9785.38	6067.99	6947.37	6373.84	3757.65	5430.68	581.77	198.76	535.93	12279.34	2858.89	5659.22
7-Feb	11015.50	6477.74	7638.89	6756.41	4408.45	6265.95	581.23	197.46	539.91	11349.86	1817.18	4657.95
8-Feb	11030.68	-32.23	7548.49	7114.08	2.59	6212.54	581.06	-12.22	504.52	11200.32	1682.88	4721.16
9-Feb	10823.42	6120.77	7772.81	6851.26	3956.08	6246.52	581.36	198.35	515.72	11022.88	1937.69	4620.06
10-Feb	10253.27	5615.12	7771.70	7603.78	3448.73	5978.68	582.99	198.18	556.86	12228.71	2735.23	4990.40
11-Feb	10502.95	5755.97	7950.02	7269.38	3515.60	6176.81	586.76	198.72	535.30	12290.23	2624.15	4731.69
12-Feb	10945.52	6363.10	7846.76	5989.32	3546.10	5738.49	580.34	198.10	535.41	12117.13	2389.64	5233.30
13-Feb	10918.85	6105.21	7686.01	5989.48	3882.73	5757.71	580.19	197.99	552.48	11283.62	2306.50	5210.46
14-Feb	10646.37	6394.03	7312.99	6283.25	3761.41	5761.85	579.75	197.94	496.69	12138.44	2648.77	5315.40
15-Feb	11060.28	6684.60	7966.52	6639.54	3805.66	6309.17	580.32	197.96	496.72	11576.74	2073.53	4621.85
16-Feb	11120.74	6503.39	7822.88	6628.27	3777.43	5955.40	580.04	198.28	456.27	12154.07	2553.38	5090.69
17-Feb	8719.32	7203.82	7907.01	6564.26	5629.12	5805.63	583.04	177.37	466.94	5999.59	4482.60	5353.48
18-Feb	11346.16	6430.91	7558.00	6039.80	3416.77	5268.47	579.26	198.97	507.44	12714.11	2419.54	5797.78
19-Feb	11229.81	6326.63	7346.84	7311.15	4211.21	5489.39	578.97	198.57	526.98	11345.17	2277.69	5546.59
20-Feb	11758.28	7073.70	8429.93	7061.82	4450.62	6462.42	578.97	11.84	468.25	11000.64	1949.80	4454.99
21-Feb	11692.75	7344.69	8619.01	6960.94	4523.40	6506.49	580.39	198.69	523.54	11179.96	1751.93	4367.76
22-Feb	10432.63	6344.81	7320.42	6029.03	3342.26	5409.34	579.88	197.18	506.09	12395.61	3126.20	5708.79
23-Feb	11922.48	6273.14	8060.25	6857.39	4400.76	6202.73	579.98	196.94	513.64	10939.55	1669.29	4811.76
24-Feb	11124.98	6636.42	8044.02	6946.26	3871.04	6247.92	578.73	198.11	495.10	11547.50	2516.03	4700.50
25-Feb	10515.72	6009.61	6980.85	5731.27	3940.31	5305.37	578.49	179.76	489.86	12646.51	3074.10	5865.84
26-Feb	11208.30	5900.28	7056.69	5968.53	3777.79	5499.21	577.51	197.89	486.29	11496.79	2290.19	5640.64
27-Feb	11391.10	6457.04	7459.00	6578.35	4159.95	6056.44	577.84	197.47	493.23	11488.00	1953.62	4971.70
28-Feb	10895.97	5763.26	8247.92	7518.92	3710.71	6706.14	579.13	198.58	482.74	11435.83	2252.19	4130.49
1-Mar												
Average	10,763.86	5,881.84	7,661.91	6,681.80	3,836.43	5,993.73	580.32	182.57	505.71	11,494.81	2,351.71	5,001.07



Monthly Flow Reading Summary Vermilion WTP

1-Mar-2025												
Month Min	6,484.10	-71.70	4,048.01	5,507.61	3,311.08	5,162.70	577.24	181.40	421.09	4,642.39	1,889.19	3,520.48
Month Max	10,846.82	6,575.37	7,953.63	8,230.25	6,645.88	7,146.81	588.22	199.21	546.24	12,688.47	3,986.63	5,970.84
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Mar	10720.67	4741.75	7194.36	6654.68	3667.43	6340.34	579.32	198.42	458.24	11188.52	2113.40	4524.28
2-Mar	9668.83	5039.32	7122.93	7528.19	3879.08	6367.22	583.31	197.54	481.32	11285.09	2419.03	4567.53
3-Mar	8117.72	1954.83	5594.71	7621.72	6645.88	7146.81	581.78	198.29	509.20	4642.39	2826.31	3520.48
4-Mar	10596.79	-71.20	5042.30	7437.44	3722.44	6480.63	577.64	184.00	479.19	11436.41	1996.95	4378.41
5-Mar	9729.21	5907.33	6801.39	5956.88	3519.69	5482.55	578.71	199.14	505.26	12285.94	3009.67	5653.90
6-Mar	9859.90	5971.25	6914.30	6350.48	3922.01	5488.82	580.07	199.05	546.24	12402.77	2890.69	5552.23
7-Mar	10245.51	6424.67	7742.80	6581.00	3967.44	6357.43	580.02	197.95	520.98	11833.35	2368.52	4551.90
8-Mar	10555.33	6575.37	7608.98	6683.23	3881.70	6340.75	579.58	198.45	489.84	11790.36	2490.65	4591.25
9-Mar	10605.43	6197.79	7953.63	7512.85	4007.39	6695.00	580.34	198.61	500.41	10816.80	2033.38	4192.64
10-Mar	10846.82	5796.47	7746.44	8230.25	3991.89	6442.02	577.74	198.43	501.37	11603.08	2095.28	4485.92
11-Mar	9897.05	5933.52	7150.35	6593.46	3481.99	6007.63	579.85	181.40	508.20	11855.80	2888.56	5021.51
12-Mar	9329.61	3807.12	6027.27	5979.95	3927.18	5758.93	582.11	198.42	518.63	12276.83	2585.98	5260.05
13-Mar	9083.87	4854.92	5608.57	6188.03	3787.14	5766.68	578.78	198.17	421.09	11804.44	2354.01	5426.14
14-Mar	8997.90	4882.46	5833.81	6383.70	3863.60	6025.78	578.00	198.19	488.66	11784.05	2474.72	5005.22
15-Mar	9195.21	3857.56	5650.92	6340.18	4161.73	6061.65	577.54	198.11	475.88	11696.71	1889.19	5005.54
16-Mar	7613.87	3741.65	4831.28	6226.03	3734.25	5425.44	577.53	199.21	487.17	12365.88	2987.06	5616.75
17-Mar	6931.48	3022.04	4355.47	5637.81	3550.38	5163.27	577.72	198.87	505.38	12410.17	3203.76	5901.50
18-Mar	6484.10	3134.87	4087.21	5507.61	3478.27	5162.70	578.06	198.60	494.83	12588.70	3754.26	5970.84
19-Mar	7336.09	2621.66	4102.89	6278.78	4060.99	5589.59	588.22	198.87	498.12	11320.74	2381.37	5494.79
20-Mar	6859.96	2928.36	4048.01	6370.42	3593.27	5649.12	579.39	197.54	512.21	12414.52	3079.53	5386.25
21-Mar	7385.60	-71.70	4419.20	5982.40	3522.15	5221.94	579.40	197.68	514.01	11904.44	2201.79	5850.03
22-Mar	10208.95	4451.43	7045.44	6682.73	3397.19	6003.65	577.84	198.30	476.24	11542.73	2469.41	5055.20
23-Mar	10237.34	4748.73	7424.71	6576.96	3311.08	6272.73	577.24	198.05	492.53	11401.43	2506.12	4703.04
24-Mar	9459.39	5569.17	6652.37	7381.75	3899.99	5371.69	578.18	198.15	461.91	12452.81	3172.33	5820.13
25-Mar	9015.12	5301.17	6381.69	5923.69	3946.88	5225.38	585.10	198.42	497.64	12688.47	3322.66	5924.72
26-Mar	8053.84	5708.82	6780.19	6336.30	3322.15	5909.91	577.28	198.77	486.06	12227.04	3986.63	5132.72
27-Mar	10119.74	5480.94	6742.26	6538.11	4300.62	5834.27	578.56	197.74	484.03	11550.08	2210.56	5257.82
28-Mar	10041.58	6081.75	7171.40	6669.53	4298.08	6332.08	578.08	198.36	503.47	11428.86	2145.99	4597.68
29-Mar	9768.24	5630.47	6577.29	6380.17	3972.36	6052.10	579.46	198.12	486.64	12092.32	2417.34	5006.52
30-Mar	9655.97	5238.50	6598.62	6392.83	4184.17	6055.36	579.59	198.27	499.16	11749.55	2259.71	4965.94
31-Mar	8875.89	5163.11	6178.29	6301.01	3473.04	5506.05	578.44	198.09	497.70	12088.95	3061.39	5606.58
1-Apr												
Average	9,209.58	4,536.26	6,238.36	6,555.75	3,886.18	5,920.56	579.51	197.33	493.60	11,642.88	2,632.14	5,097.65



Monthly Flow Reading Summary Vermilion WTP

1-Apr-2025												
Month Min	7,549.07	165.00	5,732.80	5,427.13	2,579.31	4,593.98	577.11	185.97	464.68	11,368.38	2,213.83	4,624.91
Month Max	11,208.62	7,042.67	7,825.81	6,687.59	4,003.40	6,339.34	587.03	199.03	543.27	13,272.89	5,272.25	6,511.97
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Apr	8331.18	4608.66	5822.01	5667.42	2813.62	5122.73	577.57	198.05	480.40	12881.99	3471.34	6066.22
2-Apr	9062.07	4689.83	6031.37	5791.36	3347.16	5447.17	577.11	197.84	466.92	12460.51	2639.76	5735.35
3-Apr	8549.29	4979.05	5732.80	5696.52	2998.58	5258.46	577.66	185.97	492.19	12812.64	3191.30	5884.04
4-Apr	10075.29	514.11	6441.75	5696.02	3678.20	5459.86	580.01	198.58	524.37	11861.99	2856.33	5659.00
5-Apr	10762.75	6354.04	7350.59	6255.17	4003.40	5982.27	579.23	198.11	514.16	11770.07	2381.24	5017.73
6-Apr	9857.82	5613.23	7143.21	6374.75	3475.58	5669.53	577.80	198.56	475.42	12511.50	3103.27	5452.17
7-Apr	10040.29	5667.44	6843.25	6530.70	3685.77	5323.04	577.37	197.44	496.85	12704.34	3223.55	5850.48
8-Apr	10491.04	5454.59	6690.38	5960.33	3502.49	5218.34	577.43	198.23	495.73	12423.99	2974.26	5961.20
9-Apr	10803.12	4551.26	7196.19	6285.39	3503.16	5772.97	578.99	198.61	524.44	11413.17	2491.11	5310.03
10-Apr	10201.98	4473.84	6279.25	5554.79	3523.07	5171.64	584.61	198.14	494.38	12625.94	2514.95	5947.17
11-Apr	10061.52	5756.07	7120.17	6615.88	3640.44	6206.07	580.95	198.48	469.72	12068.24	2784.06	4815.44
12-Apr	10442.56	6492.26	7449.85	6687.59	3749.54	6332.01	580.98	198.36	508.56	11687.01	2672.65	4644.54
13-Apr	10825.63	5987.00	7495.85	6646.90	3816.16	6339.34	578.87	198.86	513.11	11736.35	2355.94	4624.91
14-Apr	9891.95	5794.16	6725.10	6207.96	3018.62	5366.31	587.03	198.81	499.48	12557.48	3112.57	5808.48
15-Apr	10943.25	5951.54	6956.25	6526.13	3673.85	5691.05	579.43	198.55	525.62	11778.17	2526.45	5442.80
16-Apr	10942.94	4921.75	6827.03	6469.43	3422.46	5494.16	578.89	198.43	520.69	12436.17	2369.88	5739.84
17-Apr	11208.62	165.00	6521.25	5911.02	3442.64	5194.08	579.22	199.03	526.73	12178.59	2263.01	6053.70
18-Apr	10474.54	5734.32	7146.10	6026.72	3693.59	5682.06	579.34	198.28	464.68	12232.94	2806.84	5652.01
19-Apr	10367.30	5380.27	6340.48	5427.13	2579.31	4593.98	580.11	197.98	509.61	13084.85	3019.64	6511.97
20-Apr	9962.24	6107.23	6955.65	5489.37	3336.99	5172.13	579.31	198.90	502.83	12569.03	3243.35	6125.64
21-Apr	9529.13	5790.13	6594.67	5593.03	3842.71	5166.39	577.24	198.15	490.97	13087.36	3523.17	6175.69
22-Apr	9957.47	4996.28	6591.13	5736.35	3979.77	5204.20	579.18	198.55	507.42	12511.20	3326.68	6117.51
23-Apr	10261.12	6146.97	6982.22	5851.68	3580.58	5457.72	578.98	198.68	479.37	12562.80	3125.65	5845.86
24-Apr	10234.66	5945.08	7015.05	5762.32	3559.01	5460.19	577.36	198.12	488.23	12222.87	3210.13	5876.20
25-Apr	10856.12	5680.83	6992.81	5832.35	3607.03	5465.41	578.76	198.13	491.42	11943.81	2756.72	5928.77
26-Apr	7549.07	5387.55	6466.70	5737.44	2975.34	4980.10	579.15	198.79	536.72	13272.89	5272.25	6390.30
27-Apr	8503.56	5016.38	5978.21	5754.72	3609.66	4984.70	579.06	198.68	543.27	12995.13	3924.77	6326.24
28-Apr	10901.74	5378.52	6370.96	5906.94	3274.28	5455.79	586.87	198.21	541.86	12527.59	2582.93	5868.69
29-Apr	11152.46	5564.59	7717.80	6249.05	3491.58	5910.96	579.18	198.83	512.33	11368.38	2213.83	5314.28
30-Apr	10816.17	7042.67	7825.81	5784.89	3646.93	5457.86	579.32	199.03	535.42	12775.12	3299.62	5847.20
1-May												
Average	10,101.90	5,204.82	6,786.80	6,000.98	3,482.38	5,468.02	579.57	198.01	504.43	12,368.74	2,974.57	5,733.12



Monthly Flow Reading Summary Vermilion WTP

1-May-2025												
Month Min	7,988.67	-72.25	5,673.79	5,378.02	2.42	4,978.99	577.03	11.33	390.68	8,323.51	13.24	3,147.41
Month Max	11,293.94	6,858.43	8,788.22	7,598.64	5,039.30	7,115.60	1,136.83	199.32	547.23	13,179.31	4,017.83	6,453.40
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-May	10853.74	6858.43	7796.87	5957.02	3657.20	5493.86	585.59	198.77	528.91	12763.93	3183.66	5863.58
2-May	10675.09	6158.02	7730.24	5989.30	3569.55	5735.28	577.15	199.13	498.71	12173.09	2935.28	5589.19
3-May	9739.98	6137.59	6953.66	5943.96	3110.07	5351.74	578.75	198.88	465.04	12317.36	3527.55	6068.73
4-May	9305.40	5746.09	6761.63	5737.37	3042.41	5153.08	577.41	198.20	501.68	12824.42	3725.09	6193.59
5-May	10511.22	5554.97	7375.60	7373.98	3923.28	5763.77	582.94	198.43	506.36	11993.55	2660.39	5514.28
6-May	11293.94	6635.68	7873.02	6566.21	4423.80	6036.77	584.88	198.51	495.07	11838.09	2411.59	5222.70
7-May	9142.45	2292.08	7216.32	6476.62	2882.73	5340.13	582.14	197.98	495.21	13179.31	1895.40	5994.16
8-May	8711.46	5793.33	6294.77	5378.02	3493.09	4978.99	578.44	198.32	481.94	12964.28	4017.83	6453.40
9-May	10675.33	114.53	6684.52	6183.88	3868.84	5225.92	577.03	198.27	468.37	11596.61	2825.12	6171.58
10-May	10643.47	6387.86	7652.77	6105.92	3946.51	5854.95	578.82	198.69	465.21	11982.91	2802.99	5585.55
11-May	10604.50	6154.00	7461.76	6081.92	3869.71	5847.04	579.43	198.08	509.35	12617.38	2915.79	5522.95
12-May	10709.73	6557.47	7578.34	6495.57	3151.29	5846.68	588.56	198.50	547.23	11959.02	2931.16	5471.86
13-May	10890.84	6251.20	7929.44	6696.87	4313.05	6419.74	580.75	199.04	465.04	11638.82	2391.77	4804.57
14-May	9592.72	4440.20	6817.72	6767.43	3596.97	6114.34	580.48	198.31	529.22	12521.76	2240.85	5127.48
15-May	9356.87	5062.54	6159.04	5885.63	3563.48	5563.71	580.67	198.63	526.53	11896.10	2999.85	5808.60
16-May	9376.37	5826.00	6693.00	5932.12	3791.23	5557.73	579.19	197.84	517.22	12648.77	3065.96	5804.95
17-May	9451.04	6000.83	6951.22	6354.79	4026.92	5891.02	578.34	198.99	462.31	11679.52	2836.91	5386.65
18-May	10611.61	5637.21	7024.33	6505.31	3914.44	6140.97	580.20	198.97	512.06	11601.13	2031.12	4926.10
19-May	10251.29	6174.80	7184.70	6598.27	3807.91	5816.87	586.76	188.96	434.59	12212.90	2732.09	5470.40
20-May	9671.02	6047.00	7144.38	6721.89	3928.78	6160.15	579.55	198.67	522.96	11758.01	2388.80	4913.90
21-May	7988.67	-72.15	6503.08	6731.04	2.56	5747.96	1136.83	11.33	434.47	8604.25	3542.73	5688.61
22-May	10200.58	4688.54	7075.07	6794.38	3556.78	6445.90	579.92	198.95	495.20	11550.06	1898.00	4140.24
23-May	8892.50	-72.25	6618.05	6674.82	2.42	5697.60	960.84	199.32	390.68	8323.51	13.24	3147.41
24-May	10971.67	5731.86	8788.22	7495.50	4612.18	7112.52	579.51	198.49	481.06	10682.66	1628.45	3536.85
25-May	9107.69	3215.58	6781.50	7598.64	5039.30	7115.60	577.44	198.80	465.95	10249.41	1094.91	3510.80
26-May	9768.07	2.82	5673.79	7469.27	2933.64	5722.63	599.24	198.23	489.80	12457.22	3063.93	5293.53
27-May	9963.71	5699.88	7257.63	6317.26	3792.04	5662.53	579.74	198.31	518.95	12411.64	2797.85	5382.98
28-May	9940.80	5808.86	7415.57	6437.17	4088.56	6153.57	579.89	198.33	528.68	11771.50	2149.76	4679.79
29-May	9526.57	5772.82	7631.33	6781.20	3991.01	6382.91	580.44	198.56	546.08	11647.17	2579.70	4417.84
30-May	9872.78	5905.65	7378.81	6816.83	4361.08	6437.19	579.63	197.77	485.40	11512.53	2119.62	4390.93
31-May	8974.71	5439.60	6442.35	6622.48	3572.50	5635.92	579.32	198.75	490.29	12054.93	2837.60	5434.50
1-Jun												
Average	9,912.12	4,901.65	7,124.15	6,499.70	3,543.01	5,884.10	611.29	192.19	492.24	11,788.12	2,588.55	5,210.25



Monthly Flow Reading Summary Vermilion WTP

1-Jun-2025												
Month Min	7,805.89	-72.60	5,351.83	5,578.99	3.03	5,067.85	578.06	10.79	469.09	10,220.90	17.16	3,509.89
Month Max	10,891.73	7,254.79	8,365.22	7,875.96	5,303.35	7,181.90	1,134.77	199.25	546.05	12,841.87	3,553.75	6,091.58
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Jun	10574.66	-72.60	6926.88	7514.96	3.03	6033.79	1134.77	10.79	515.48	11033.57	17.16	4313.14
2-Jun	9567.19	4830.43	7903.64	7595.26	4047.10	7043.88	580.48	198.47	498.92	11012.09	1825.15	3593.52
3-Jun	8423.88	3333.77	5807.59	7363.21	3502.31	6592.87	582.63	198.51	493.99	11157.07	1960.63	4149.51
4-Jun	8208.59	3326.17	5351.83	6639.95	3467.89	6240.32	578.83	197.59	500.32	11310.40	2212.80	4614.81
5-Jun	8233.41	4272.82	5664.11	6602.35	3783.55	6156.77	580.19	198.61	540.93	11314.05	1981.30	4621.75
6-Jun	10674.53	572.38	7146.38	6644.10	4165.46	6441.01	579.64	198.81	523.37	11249.60	1911.18	4378.78
7-Jun	10553.82	5793.42	8037.21	6705.26	4053.68	6427.94	579.17	198.22	508.29	11913.67	2165.05	4448.48
8-Jun	9443.61	5951.15	7825.29	6607.47	4598.27	6375.50	579.18	198.38	526.79	12005.96	3103.02	4551.88
9-Jun	10308.10	5529.68	7910.93	7300.92	4319.97	6437.57	580.40	197.70	536.69	11696.84	1829.11	4416.53
10-Jun	10803.97	5053.44	8111.90	7784.78	3558.17	6775.32	581.83	198.54	503.18	10583.03	1455.32	4104.04
11-Jun	8926.15	5574.51	7000.82	7608.56	3394.73	5793.04	578.06	197.96	485.06	12338.81	3199.63	5354.52
12-Jun	9833.54	5537.85	6584.70	5941.59	3228.13	5281.86	579.89	197.32	502.57	12185.15	2712.48	5963.36
13-Jun	10070.91	6401.87	7911.20	7699.03	4389.86	6662.09	579.96	197.95	507.57	11591.83	2210.02	4215.73
14-Jun	10255.50	7254.79	8365.22	7792.97	5166.73	7164.21	581.80	198.04	504.96	10896.79	1317.04	3554.90
15-Jun	10891.73	5834.74	7573.83	7875.96	5303.35	7181.90	582.84	198.17	497.29	10807.06	899.26	3528.17
16-Jun	10515.23	5597.62	7633.42	7730.88	4454.86	7152.15	581.47	198.22	490.52	10220.90	660.33	3509.89
17-Jun	9303.40	4237.44	6578.90	7563.87	4025.42	6224.57	578.85	198.42	485.39	11821.48	1024.22	4519.98
18-Jun	7805.89	4419.07	5837.63	6112.07	3639.07	5633.37	579.15	198.86	501.96	12397.34	3491.78	5359.06
19-Jun	8136.90	4821.70	5540.53	5578.99	3454.46	5262.91	579.05	198.55	524.00	12792.10	2990.46	5678.81
20-Jun	8235.68	4012.19	5533.41	6103.63	3346.07	5412.88	579.48	198.19	546.05	12056.18	2727.86	5457.35
21-Jun	8923.93	4713.06	6018.49	6409.35	3825.41	6048.99	579.26	197.57	504.14	11692.56	2021.85	4748.48
22-Jun	8723.90	4475.49	5915.94	6595.23	3817.74	6183.50	578.52	198.67	478.96	11627.90	2175.28	4607.55
23-Jun	9310.50	4397.84	6163.63	7111.18	3508.00	6424.03	579.62	198.93	531.42	11361.67	1786.86	4320.25
24-Jun	8968.45	4029.27	6117.21	6708.49	3825.85	6428.12	579.14	198.52	506.67	11588.90	1855.37	4336.03
25-Jun	9415.53	3792.81	5931.72	6732.21	4069.78	6456.40	580.00	198.54	543.55	11288.25	1582.84	4267.84
26-Jun	8846.49	5226.81	6218.22	6759.09	4064.02	6420.74	585.30	198.30	488.74	11031.03	1886.93	4413.82
27-Jun	9946.98	350.21	5937.45	6339.98	3752.83	5431.41	579.05	198.03	495.66	12119.27	2335.08	5618.13
28-Jun	8674.44	5290.96	6311.41	6125.40	3274.00	5067.85	579.34	198.43	507.65	12841.87	3553.75	6091.58
29-Jun	10326.21	6312.38	7306.86	6685.97	4261.32	6097.31	578.95	199.25	474.74	11706.93	1917.17	4829.03
30-Jun	10490.03	5655.25	7541.11	6844.88	4053.50	6355.50	578.26	198.82	469.09	11033.04	1688.58	4491.68
1-Jul												
Average	9,479.77	4,550.88	6,756.92	6,902.59	3,811.82	6,240.26	598.50	192.08	506.46	11,555.84	2,016.58	4,601.95



Monthly Flow Reading Summary Vermilion WTP

1-Jul-2025												
Month Min	6,716.99	-71.27	5,264.77	5,501.19	2.95	4,821.77	576.91	10.38	280.51	6,464.23	78.12	3,566.45
Month Max	11,110.25	6,806.33	8,165.71	8,045.85	5,035.66	7,301.42	588.55	199.34	548.68	13,555.13	5,232.38	6,707.40
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Jul	9566.48	5829.50	6793.04	6177.68	3985.78	5828.27	577.27	198.96	366.33	12117.04	2547.22	5299.96
2-Jul	6716.99	5704.77	6225.09	5622.28	5035.66	5305.32	576.91	188.66	459.02	6464.23	5232.38	5899.44
3-Jul	8988.12	5373.93	6369.39	6026.56	3311.89	5290.00	579.05	198.85	523.65	12716.20	3181.44	5827.42
4-Jul	9556.01	1111.17	7405.36	6997.56	3845.77	6310.59	577.52	198.41	464.77	11805.68	2787.86	4522.77
5-Jul	10519.44	5859.51	8076.63	7059.55	4260.76	6728.80	579.18	198.80	510.66	11596.85	1864.34	4000.57
6-Jul	9232.33	5353.96	7186.74	7006.35	3886.85	5805.70	579.50	198.51	535.33	12797.23	3316.28	5139.45
7-Jul	10068.87	4865.04	6529.44	6220.55	3892.40	5202.74	579.03	198.59	527.90	12460.13	2035.34	5859.25
8-Jul	10091.81	5492.10	7490.10	6566.80	4332.64	6299.43	577.79	199.12	489.16	12158.08	2018.66	4637.85
9-Jul	9687.90	5363.52	7319.50	6588.73	3970.01	6192.60	578.89	198.92	497.16	11560.21	2609.15	4845.08
10-Jul	9568.64	5613.61	6914.74	6300.59	3972.45	5848.65	580.09	199.34	510.47	12380.90	2645.36	5359.15
11-Jul	9767.09	5632.70	6643.83	6015.12	4029.61	5759.70	580.83	199.32	509.48	11778.63	2342.53	5467.76
12-Jul	9624.03	4662.48	6669.96	7069.99	3879.46	5944.84	580.13	199.05	457.95	12245.48	2359.29	5339.59
13-Jul	10218.51	4662.48	7752.18	7591.20	3800.88	6929.72	580.76	198.89	455.95	10683.63	1789.21	4057.81
14-Jul	9344.98	6806.33	8165.71	8045.85	3939.83	7301.42	580.99	198.31	456.66	11311.75	2308.10	3566.45
15-Jul	8736.71	5576.58	6530.31	7318.67	3769.06	5639.51	588.55	198.96	473.53	13129.09	3451.55	5720.69
16-Jul	11110.25	5492.41	7648.73	7818.02	4616.16	6318.38	579.81	198.58	535.53	11797.88	1633.67	4735.53
17-Jul	9697.71	145.23	7023.34	7563.29	3911.20	6031.10	580.25	197.62	509.32	12232.31	2847.38	5107.92
18-Jul	9558.45	5532.94	6108.52	5501.19	3536.55	5001.27	580.48	198.83	528.14	12939.97	2958.96	6441.92
19-Jul	9231.89	4625.27	6192.57	5627.06	3294.24	5160.30	577.16	199.01	385.24	12839.59	3301.21	6402.14
20-Jul	10335.39	5734.92	7206.98	6420.54	4275.60	5984.24	579.42	198.97	548.68	11769.94	2132.52	5201.58
21-Jul	10352.24	5610.07	7131.56	7151.13	3978.11	6064.86	578.67	198.27	505.55	11648.81	1955.10	5167.62
22-Jul	9838.14	5453.89	7456.24	7432.22	3966.47	6402.33	579.32	193.33	514.75	11692.12	2382.18	4681.56
23-Jul	8743.85	-71.27	5973.71	7534.92	2.95	5296.87	577.57	10.38	280.51	8177.37	78.12	3776.31
24-Jul	9038.58	5366.31	6947.44	7467.00	4148.21	6422.02	580.46	198.59	409.94	11828.22	2936.46	4793.99
25-Jul	8240.00	5114.07	6636.86	7423.25	3964.48	6216.77	578.06	198.23	364.80	11680.11	3333.60	5105.22
26-Jul	7525.31	4635.55	5264.77	5660.28	3391.46	4821.77	578.41	198.60	368.81	13555.13	4417.46	6707.40
27-Jul	9745.05	5068.85	6503.98	7430.46	4380.97	5927.85	578.66	198.93	411.03	11883.58	2052.75	5383.84
28-Jul	9131.92	5758.90	7653.58	7703.11	4478.00	7111.68	580.66	198.67	419.69	11380.56	2542.97	3971.17
29-Jul	9326.86	4941.29	7132.03	7488.37	3893.58	6697.95	579.04	194.23	470.14	11998.17	2350.08	4468.26
30-Jul	8808.56	4957.00	6454.20	6696.91	3680.67	5952.90	579.29	198.65	478.39	12424.66	3104.77	5432.55
31-Jul	9611.80	187.82	6353.49	5963.10	4023.12	5668.00	579.44	198.60	455.92	12443.46	2912.33	5843.55
1-Aug												
Average	9,418.84	4,724.55	6,895.48	6,822.20	3,853.38	5,982.76	579.46	192.01	465.31	11,790.23	2,626.72	5,121.41



Monthly Flow Reading Summary Vermilion WTP

1-Aug-2025												
Month Min	8,161.28	-71.39	5,257.08	5,007.63	-666.45	4,178.37	576.62	9.71	352.25	5,898.81	64.77	1,753.52
Month Max	11,221.36	6,959.22	8,178.46	7,656.28	5,039.26	7,174.43	1,169.45	199.25	511.59	13,790.37	4,698.42	7,227.77
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Aug	9723.84	5997.61	6690.62	6366.19	3898.32	5719.84	579.65	198.37	451.00	12254.22	2876.29	5697.45
2-Aug	10081.96	6210.44	7388.60	6691.71	3944.72	6261.69	580.71	198.73	511.59	11815.13	2632.88	4880.15
3-Aug	9972.43	6293.13	7697.25	6906.05	3864.55	6532.15	579.36	198.53	447.30	12049.88	2799.93	4684.70
4-Aug	10214.73	6316.34	7955.95	7553.01	4628.92	6811.65	581.18	198.49	503.88	12044.30	2250.08	4318.72
5-Aug	10118.86	6294.36	7462.59	7613.60	4085.86	6157.01	579.95	187.02	402.19	11762.71	2593.96	5120.07
6-Aug	8923.74	3605.62	5912.02	7485.10	3029.81	4739.44	579.58	199.01	470.35	5898.81	95.63	1753.52
7-Aug	11221.36	-61.15	7419.36	7600.47	2968.74	6492.02	579.73	198.40	438.65	10878.29	116.94	4386.51
8-Aug	10900.08	5874.84	8178.46	7610.74	5039.26	7174.43	577.83	198.23	384.24	11282.29	1613.32	3824.99
9-Aug	9712.03	5615.35	7085.89	7537.27	3816.56	6143.79	577.07	197.99	397.38	12812.12	2945.29	5213.52
10-Aug	9770.67	5281.73	6703.23	6461.40	3779.53	5796.83	577.03	199.25	384.01	11881.29	2567.99	5641.70
11-Aug	10136.88	5961.68	7580.26	7619.55	3466.56	6632.78	579.67	198.69	435.73	12046.65	2234.83	4559.92
12-Aug	10656.47	6425.20	7966.53	7629.98	4109.26	7047.19	579.33	191.30	421.21	10588.10	1568.06	3977.75
13-Aug	10042.86	5398.45	7183.21	7656.28	3827.61	6411.40	578.00	197.96	403.36	11664.40	1978.17	4858.39
14-Aug	8774.00	5176.90	6322.89	6372.37	3367.24	5569.22	577.81	198.93	399.60	13265.46	3331.26	5859.01
15-Aug	8887.21	5404.66	6908.02	7287.41	4100.63	6267.74	579.29	198.93	424.87	11913.56	3157.07	5099.69
16-Aug	9534.06	-70.49	7009.07	7291.75	-666.45	6431.27	1169.45	198.17	387.22	11855.32	2732.13	5107.40
17-Aug	10506.68	3808.66	7886.60	7607.58	4265.53	6927.93	579.11	198.82	401.03	11464.03	2142.07	4380.71
18-Aug	10578.53	4789.38	7915.43	7597.59	4546.94	6876.94	582.61	198.04	407.29	11822.23	1734.30	4320.02
19-Aug	10606.77	5457.91	7547.45	7045.92	4093.89	6425.00	578.11	199.25	430.04	11963.07	2225.66	4899.48
20-Aug	10297.54	6959.22	7760.70	7343.58	4353.71	6609.46	578.17	198.69	425.30	11759.81	2537.64	4721.21
21-Aug	10548.05	5872.16	7665.31	7227.99	4467.76	6457.79	577.56	198.81	431.78	12387.71	2136.45	4921.79
22-Aug	9607.58	3920.84	6851.24	6077.89	3360.42	5619.63	577.31	199.08	432.22	12545.23	3002.62	5932.21
23-Aug	9764.96	-71.39	6624.24	6188.81	2.85	5519.98	1092.74	9.71	352.25	12660.38	64.77	4953.27
24-Aug	9263.82	5474.07	6477.70	6111.63	3442.01	5440.06	577.69	199.18	413.43	13053.02	3300.07	6142.09
25-Aug	8343.76	4523.85	5257.08	5243.14	3365.57	4178.37	577.92	198.93	469.46	13255.04	3959.88	7227.77
26-Aug	8764.50	4033.43	5340.98	5007.63	3413.98	4263.28	586.57	198.28	462.27	13790.37	3492.40	7148.62
27-Aug	9971.38	90.04	6448.95	6559.18	4301.36	5548.89	577.47	198.48	451.93	12317.41	2396.27	5888.34
28-Aug	9812.40	6201.18	7104.70	6543.38	4075.37	6141.82	578.04	199.24	472.05	11294.70	2656.86	5165.66
29-Aug	10012.90	5939.43	7037.20	6296.88	3872.39	5994.59	577.65	199.17	474.22	12230.20	2398.34	5359.75
30-Aug	8161.28	5572.90	6384.07	6015.88	3680.65	5350.57	576.62	198.85	395.76	12873.20	4698.42	6213.37
31-Aug	8901.38	5715.04	6571.69	6293.03	4076.82	5763.09	579.58	198.85	477.20	11969.00	2969.63	5665.50
1-Sep												
Average	9,800.41	4,774.56	7,043.14	6,865.90	3,631.63	6,042.12	614.61	191.98	430.93	11,916.06	2,426.10	5,094.30



Monthly Flow Reading Summary Vermilion WTP

1-Sep-2025												
Month Min	8,755.92	-71.52	6,199.09	5,993.67	-3,731.52	5,088.09	577.80	-12.17	126.52	8,688.63	97.25	4,096.97
Month Max	15,019.56	6,413.60	7,659.97	8,254.88	4,629.95	6,973.05	2,011.26	199.05	531.43	13,748.82	2,933.85	6,250.46
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Sep	9586.38	5806.49	6713.93	6817.89	4165.44	6163.88	580.12	185.06	496.64	12022.72	2268.09	5141.60
2-Sep	9859.50	4975.75	7084.80	7364.10	4490.03	6653.53	579.88	198.47	447.69	11713.13	1795.08	4585.61
3-Sep	9380.19	5382.58	7217.88	7876.67	4223.31	6757.34	583.90	191.10	503.74	10568.58	2118.10	4457.25
4-Sep	9359.65	5172.31	7496.20	7566.96	4349.09	6973.05	580.12	198.62	490.19	10466.18	2307.85	4096.97
5-Sep	9305.44	5517.22	6951.24	7261.21	4286.50	6506.35	578.36	198.75	452.49	11898.61	2512.28	4714.95
6-Sep	9079.94	4593.24	6322.48	6118.07	3693.86	5753.92	578.92	198.42	430.98	12005.74	2809.89	5669.79
7-Sep	8935.16	4628.08	6286.87	6267.45	3639.78	5807.03	578.61	198.99	438.53	12190.87	2528.22	5559.23
8-Sep	9846.86	5486.66	7187.80	8254.88	3583.96	6597.73	583.86	198.68	503.43	12064.18	2211.14	4570.75
9-Sep	9434.92	6141.30	7255.74	6911.97	3652.59	6652.19	589.18	198.99	497.93	11641.57	2310.18	4472.34
10-Sep	9015.41	5627.25	6983.06	6874.04	3926.76	6409.90	579.50	198.66	525.78	12530.56	2825.65	4747.19
11-Sep	9866.34	565.12	6199.09	5993.67	3472.54	5088.09	581.41	198.68	503.36	12514.35	2455.52	6250.46
12-Sep	11638.03	5452.01	7074.94	6789.97	4100.23	5964.65	578.79	199.05	501.74	13748.82	97.25	5249.20
13-Sep	11634.95	3253.75	7659.97	6849.10	4629.95	6570.12	579.19	198.11	496.33	12174.43	241.64	4496.03
14-Sep	10064.63	4985.24	7432.92	6846.95	4621.67	6657.67	580.37	198.98	503.43	11942.16	1921.93	4477.32
15-Sep	9656.51	5960.95	7383.83	6874.81	3697.46	6579.75	579.90	198.27	531.43	12045.95	2395.50	4519.65
16-Sep	9954.29	5857.08	7348.77	7568.12	3764.50	6524.79	579.10	191.66	491.27	11611.83	2097.05	4606.12
17-Sep	8755.92	-52.84	7081.48	7598.70	2.59	6303.87	579.76	198.66	497.66	8688.63	2933.85	4825.29
18-Sep	9097.14	5441.81	6965.35	7690.63	3946.16	6401.24	579.74	198.25	487.14	11587.38	2610.47	4720.04
19-Sep	9520.80	5004.73	6574.82	6385.71	3965.15	6047.16	578.95	198.72	484.30	12639.04	2536.71	5191.45
20-Sep	8821.78	5963.54	6835.61	6338.89	4030.10	6062.08	579.04	198.89	487.20	11710.76	2907.97	5186.27
21-Sep	9629.01	5417.79	6836.57	6370.77	3669.52	6058.11	577.80	198.64	475.33	12233.51	2718.61	5196.89
22-Sep	9589.35	5458.09	6950.67	6570.77	3561.37	6047.04	579.79	198.40	506.78	12396.52	2653.39	5178.38
23-Sep	15019.56	20.63	6860.41	6329.20	3771.35	6051.30	2011.26	-12.17	424.73	12156.29	2549.82	5166.60
24-Sep	9583.88	-71.52	6799.22	6843.93	-3731.52	5984.94	1471.61	24.02	331.11	8727.95	101.42	5048.64
25-Sep	9806.46	5857.74	6992.08	6577.49	3668.79	6145.00	579.46	197.41	345.27	12428.37	2186.06	5061.27
26-Sep	9013.69	5258.26	6764.53	6608.23	3891.37	6122.75	580.60	197.17	337.92	12648.51	2926.76	5117.22
27-Sep	9282.96	5120.64	6601.92	6435.28	3831.85	6047.68	579.69	197.80	354.88	12278.04	2738.58	5193.65
28-Sep	9288.83	5486.26	6766.85	6346.34	3927.94	6044.90	580.06	197.67	380.45	12504.59	2889.35	5168.66
29-Sep	9710.27	5966.92	7085.70	7280.23	3773.43	6067.62	578.79	197.87	435.88	12192.48	2638.03	5113.88
30-Sep	9829.05	6413.60	7039.53	6742.59	4544.50	6264.59	579.06	40.74	126.52	12001.24	2534.82	5050.33
1-Oct												
Average	9,785.56	4,689.69	6,958.48	6,878.47	3,571.68	6,243.61	657.56	179.42	449.67	11,844.43	2,260.71	4,961.10



Monthly Flow Reading Summary Vermilion WTP

1-Oct-2025												
Month Min	7,696.42	500.42	6,047.13	6,211.03	3,375.03	5,000.76	577.91	79.10	215.02	6,480.88	1,786.26	4,116.65
Month Max	11,394.05	6,691.87	8,592.53	8,277.51	4,678.13	6,875.54	588.35	329.89	548.33	13,441.30	4,486.67	6,350.59
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Oct	9983.43	5957.51	7670.63	6755.04	3744.56	6438.77	578.73	329.89	485.65	12110.27	2289.89	4558.70
2-Oct	9915.23	3126.03	7224.81	7455.16	3450.13	6327.21	579.71	79.10	215.02	11796.78	2226.27	4859.00
3-Oct	9721.09	5840.11	7300.66	7723.13	4132.42	6348.84	579.23	197.21	460.10	12199.13	2629.49	4753.41
4-Oct	10008.44	5874.64	7396.02	8277.51	4305.08	6315.34	579.64	197.67	464.86	12492.17	2458.33	4808.22
5-Oct	9703.03	5675.72	7674.07	7892.53	4280.23	6569.71	578.96	198.06	452.54	12114.69	2443.93	4489.53
6-Oct	9892.72	5376.77	7268.56	7582.19	3979.64	6333.99	580.39	192.31	497.62	11702.77	2288.50	4779.87
7-Oct	9448.06	5237.66	6799.79	7980.92	3872.63	5917.67	579.42	190.00	478.60	12120.67	2693.90	5274.20
8-Oct	9590.50	5278.89	6957.83	8222.26	4253.59	6249.16	581.00	198.49	486.69	12104.48	2172.42	4884.75
9-Oct	10010.92	500.42	6746.08	7706.61	4437.04	5756.61	580.04	198.42	498.12	12086.96	2509.79	5361.87
10-Oct	10342.83	5090.77	7535.10	7768.55	4017.86	6248.88	579.72	198.14	487.00	11432.57	2049.04	4868.67
11-Oct	9688.54	4538.66	6846.65	6591.13	4200.69	5957.77	578.61	199.21	469.70	11921.55	2347.24	5290.27
12-Oct	9574.86	5037.48	7316.24	6699.63	4313.54	6389.35	580.16	198.77	504.55	11771.59	2338.06	4677.97
13-Oct	10145.94	4953.29	7101.87	6698.84	3825.15	6229.30	579.07	198.97	328.47	11644.59	2102.62	5021.13
14-Oct	8637.98	5282.13	6650.97	7378.53	3887.16	6265.83	585.93	198.26	507.46	10949.44	2667.44	4848.41
15-Oct	9872.38	4732.44	6660.01	6842.02	3932.99	6258.69	578.85	199.04	492.72	11586.94	2658.98	4881.58
16-Oct	9748.93	5129.50	7117.21	7510.36	3736.26	6255.82	579.61	198.91	445.14	12211.39	2265.04	5002.42
17-Oct	9963.88	5231.58	6554.30	7239.60	3733.52	5611.84	581.47	198.84	493.13	11660.56	2359.06	5665.70
18-Oct	9689.73	5503.60	7819.48	7737.58	4599.03	6626.46	581.25	198.61	510.58	6480.88	2581.07	4411.11
19-Oct	9989.96	5732.98	7015.48	6485.60	3701.99	5815.14	580.79	198.77	498.57	11842.07	2502.44	5414.84
20-Oct	8657.74	5133.96	6958.53	7429.94	3897.80	5968.98	580.19	198.75	510.60	6991.22	3343.57	5197.84
21-Oct	7696.42	4762.20	6047.13	6482.32	3393.72	5000.76	588.35	198.72	489.37	13441.30	4486.67	6350.59
22-Oct	9945.03	4894.68	6522.81	6211.03	3375.03	5250.94	580.47	198.81	548.33	12949.52	2919.87	5980.71
23-Oct	10397.09	5840.00	7088.61	7667.68	3791.40	5890.58	580.36	199.08	488.11	11614.35	2549.03	5467.97
24-Oct	9641.84	5890.15	6668.25	6341.79	3825.60	5655.91	577.91	198.96	429.50	12379.90	3087.64	5759.51
25-Oct	9055.55	5488.56	6578.69	6701.56	3948.56	5700.94	579.90	199.23	518.84	12130.40	3199.56	5601.58
26-Oct	9174.80	5105.92	6708.06	6625.55	3823.19	5730.24	579.40	199.18	485.85	12273.59	3180.80	5556.17
27-Oct	9434.67	5357.94	6972.60	7700.54	3851.11	6011.74	580.55	198.82	500.44	11735.82	2910.86	5232.10
28-Oct	9984.24	5344.58	6734.31	6933.07	3955.72	5785.58	579.21	198.32	519.71	12487.74	2711.04	5412.86
29-Oct	11169.02	5927.08	7441.27	6923.58	4283.55	6077.38	579.95	199.34	492.30	11383.06	1786.26	5101.20
30-Oct	11394.05	6231.52	8450.75	7437.56	4678.13	6875.54	582.96	198.85	494.66	10505.12	1888.26	4116.65
31-Oct	11260.70	6691.87	8592.53	7394.35	3759.15	6646.17	579.78	198.25	508.03	11985.37	2170.67	4382.59
1-Nov												
Average	9,798.05	5,186.09	7,110.30	7,238.59	3,967.31	6,081.00	580.37	198.55	476.20	11,616.35	2,574.77	5,097.14



Monthly Flow Reading Summary Vermilion WTP

1-Nov-2025												
Month Min	9,602.61	66.88	7,077.51	6,017.37	2.61	5,534.67	578.19	10.54	379.58	5,868.75	24.58	2,867.85
Month Max	12,948.67	8,538.10	10,016.72	8,394.41	6,082.13	7,676.90	1,084.18	199.35	548.72	12,663.44	4,168.33	5,547.63
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Nov	10517.58	6326.22	7542.01	6439.75	4103.81	5928.19	580.76	198.66	541.85	11583.57	4168.33	5323.42
2-Nov	11167.13	5504.39	7889.25	6504.51	3680.27	6111.70	579.87	197.79	458.15	11579.26	2237.87	5003.94
3-Nov	10889.65	7474.48	8528.76	7439.11	3908.54	6630.07	580.54	198.62	507.56	11142.80	2451.95	4323.89
4-Nov	9602.61	66.88	8218.94	7539.75	6082.13	6662.96	579.26	191.50	475.64	5868.75	3293.27	4371.73
5-Nov	10474.83	6259.79	7846.62	7155.95	3506.53	6006.13	583.26	198.00	542.94	12403.76	2418.14	4951.96
6-Nov	11542.38	8538.10	9721.92	7977.51	4710.39	7465.11	581.30	198.74	526.29	10465.60	1725.37	3117.15
7-Nov	10661.29	6550.56	8562.91	8145.20	3884.32	6386.45	580.29	198.48	538.69	12499.83	2307.75	4430.56
8-Nov	12207.44	6461.63	10016.72	8275.62	5822.51	7676.90	581.25	198.64	535.17	9612.78	887.72	2867.85
9-Nov	12948.67	6043.96	8448.15	8179.21	4893.69	6542.37	580.55	198.14	503.93	11072.78	24.58	4201.51
10-Nov	10266.43	5472.67	8143.88	8394.41	3175.07	6619.93	580.90	198.88	529.05	12554.27	2216.40	4379.07
11-Nov	9750.67	5919.62	7628.50	6842.67	3315.20	6139.77	578.19	198.67	379.58	12000.61	3039.79	5026.98
12-Nov	10259.11	3344.51	7077.51	6568.57	2.61	5603.87	1084.18	197.97	529.74	11567.08	2558.01	5535.01
13-Nov	10022.01	6055.22	7213.69	6473.02	3764.69	5698.40	578.88	197.95	494.88	12031.84	2607.10	5347.32
14-Nov	10633.42	2700.03	7862.30	7338.79	2.65	6414.00	1080.47	10.54	498.56	11827.93	2132.99	4646.67
15-Nov	10591.75	5795.03	8667.79	7759.41	4329.47	7020.29	580.36	198.59	498.52	11093.34	1978.01	3765.14
16-Nov	10659.60	5543.32	7720.99	7520.99	3869.98	6190.46	580.02	198.47	527.54	11451.63	1848.45	4692.13
17-Nov	10009.93	5489.34	7535.60	6930.86	4429.04	6067.09	580.53	198.84	533.41	11692.30	2385.54	4855.61
18-Nov	11143.61	6471.49	8244.09	6321.61	4364.21	6068.02	587.66	198.78	547.37	10645.36	1977.66	4858.74
19-Nov	10529.58	5941.02	8076.60	6219.12	3526.76	5534.67	579.54	198.65	534.14	12129.68	2573.77	5463.95
20-Nov	10397.64	5603.18	7924.17	6824.90	3789.37	6020.92	580.07	198.47	522.87	11184.67	2034.77	4895.66
21-Nov	9700.60	6004.43	7639.03	6795.06	3933.88	6395.83	579.40	198.45	515.91	11729.08	2444.27	4500.92
22-Nov	10133.38	5841.93	7830.58	6652.14	3899.41	6315.20	581.67	198.77	519.47	11191.42	2196.44	4538.18
23-Nov	9937.08	6108.43	7711.30	6602.64	3890.90	6342.81	579.49	198.81	481.01	11525.52	2414.77	4601.70
24-Nov	10341.58	373.98	7989.50	6962.70	3356.59	6467.63	581.84	198.39	521.37	11831.93	2568.30	4426.32
25-Nov	11271.52	6717.05	8463.68	6947.29	4257.97	6621.73	581.11	198.91	515.31	11818.54	1911.57	4254.23
26-Nov	10876.40	5977.23	8244.66	6964.33	3571.96	6321.10	581.37	198.92	530.74	11895.97	2574.70	4619.25
27-Nov	11371.84	6677.11	7703.67	7906.55	4682.26	5881.24	584.84	197.34	530.81	10311.79	1790.34	5215.31
28-Nov	11432.96	6054.71	8577.76	7742.99	3894.27	6473.28	579.97	198.35	529.48	12663.44	2168.68	4483.40
29-Nov	10287.53	6213.81	7433.10	6017.37	3430.64	5610.55	578.84	199.35	548.72	12585.72	3092.81	5547.63
30-Nov	11064.69	6594.01	7527.66	6089.85	3706.75	5760.41	578.88	198.90	503.33	11858.57	2414.49	5413.13
1-Dec												
Average	10,689.76	5,604.14	8,066.38	7,117.73	3,792.86	6,299.23	614.18	192.02	514.07	11,393.99	2,281.46	4,655.28



Monthly Flow Reading Summary Vermilion WTP

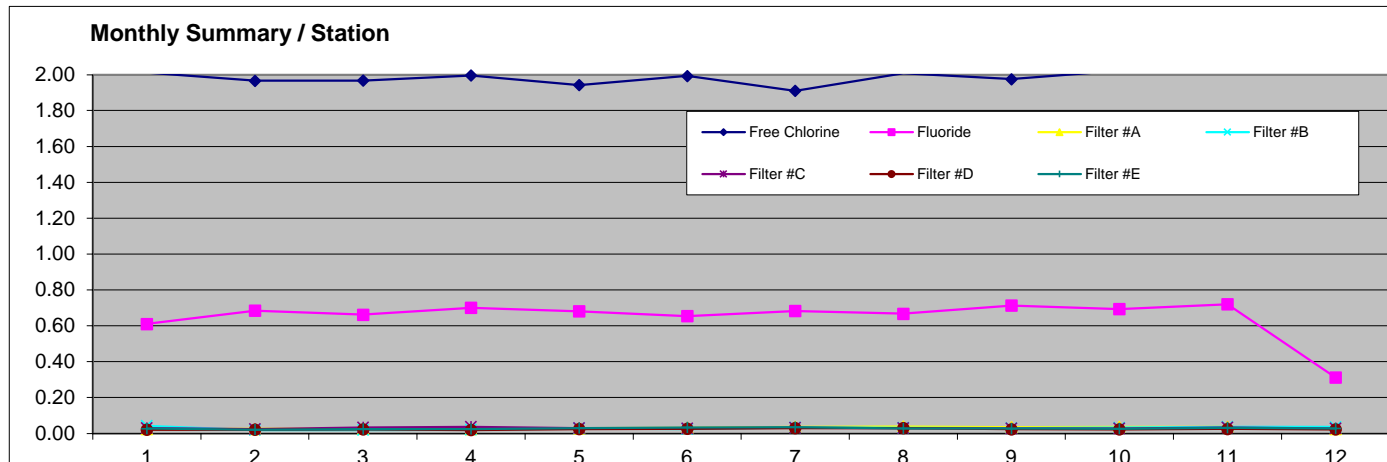
1-Dec-2025												
Month Min	9,529.81	-5.99	7,478.17	6,107.54	3,521.54	5,666.50	577.13	188.41	431.59	6,134.20	898.69	3,981.40
Month Max	12,463.30	7,816.63	9,378.76	7,836.89	5,902.77	6,870.88	588.73	199.40	538.36	12,903.42	3,266.52	5,442.27
Date	Raw Inlet Flow (FI-10)			CC Treated Flow (FIC-98530)			Creighton Flow (FIC-31)			U-Drain Flow (FI-100)		
	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum GPM	Minimum GPM	Average GPM	Maximum USGPM	Minimum USGPM	Average USGPM
1-Dec	10433.16	5799.46	7481.23	6820.67	3808.88	5761.54	580.62	198.85	505.61	12195.25	2626.57	5366.04
2-Dec	10371.59	5872.75	7478.17	6107.54	3821.82	5754.67	580.37	188.44	507.08	11848.00	2756.53	5344.93
3-Dec	9771.63	5240.91	7500.29	6170.19	3811.61	5755.85	579.27	198.70	523.88	12903.42	3266.52	5352.30
4-Dec	9529.81	127.80	7557.43	6314.07	3861.64	5956.65	580.46	198.38	525.32	11843.08	3260.61	5115.78
5-Dec	11292.35	6117.63	8060.63	6628.49	3668.29	6320.05	578.93	199.22	506.13	11805.10	2074.64	4608.23
6-Dec	11109.56	6279.35	8461.42	6824.21	3780.01	6413.71	579.73	199.40	529.22	11785.33	2653.45	4494.38
7-Dec	11302.84	6444.91	8470.69	6628.40	3873.56	6339.44	579.37	198.87	517.32	11580.08	2412.32	4568.65
8-Dec	11862.04	5856.17	8750.60	7836.89	3521.54	6472.15	580.37	191.23	510.24	11806.83	2200.93	4474.50
9-Dec	10542.11	6914.60	9353.75	7686.31	5452.33	6870.88	581.29	198.42	521.43	6134.20	2974.22	4025.27
10-Dec	12068.65	5607.36	8994.20	6941.73	3697.06	6466.49	580.09	198.59	487.72	11943.40	2162.73	4451.67
11-Dec	10730.88	6938.80	8068.31	6329.07	3570.32	5784.11	578.83	199.05	507.61	12101.25	3134.07	5319.82
12-Dec	11722.51	7561.38	9090.18	6986.75	3664.26	6604.90	581.91	199.07	509.64	11223.69	2252.49	4290.48
13-Dec	11824.78	6913.44	9378.76	7557.80	4050.32	6811.60	578.61	199.00	517.76	11402.75	2155.92	4047.94
14-Dec	11482.34	6892.88	9307.09	7679.08	3757.20	6852.62	583.89	198.81	497.11	11030.60	2405.15	3981.40
15-Dec	11508.65	-5.99	8231.96	6690.35	4161.00	6357.60	580.32	198.38	528.24	11323.66	1829.84	4517.91
16-Dec	12058.75	6343.36	8275.20	7734.47	4033.56	6251.75	579.89	197.35	538.36	11527.98	1641.16	4637.00
17-Dec	11394.01	4533.12	8405.88	7761.80	3714.55	6189.79	580.08	198.13	513.01	11847.71	898.69	4372.11
18-Dec	11675.68	6110.19	7941.40	7405.93	3698.75	5738.50	580.48	198.51	526.22	11817.80	2305.85	5396.02
19-Dec	11631.95	6533.12	8417.72	6942.87	3715.88	6168.60	579.86	198.64	510.11	11176.97	2378.69	4943.67
20-Dec	11589.60	6413.48	9054.69	6977.03	3838.87	6636.84	579.73	198.64	534.19	12228.13	2349.13	4314.72
21-Dec	11888.63	6651.31	9063.34	6991.25	3694.32	6632.61	580.42	199.01	523.21	11482.77	2217.31	4317.55
22-Dec	11763.01	6633.27	8955.16	6950.95	4039.58	6649.68	579.84	198.66	510.13	11448.78	2072.89	4310.15
23-Dec	10332.30	1166.58	7914.43	6932.19	3614.30	5952.90	588.73	197.76	518.52	12649.83	2952.53	5153.85
24-Dec	11415.32	6300.98	7940.23	6455.74	5902.77	6114.92	578.66	199.13	477.32	11050.63	1998.48	5037.28
25-Dec	12089.26	7281.48	8909.51	6923.08	4235.23	6622.29	577.13	198.64	431.59	11488.74	2027.77	4457.43
26-Dec	11902.54	6443.15	8173.11	6616.51	4116.31	5908.26	579.44	198.97	481.17	12026.13	2308.09	5289.81
27-Dec	12204.63	6840.57	8285.33	6541.09	4079.45	5882.41	578.72	198.80	474.96	11373.47	2154.02	5304.41
28-Dec	12463.30	7816.63	9066.32	6933.11	4191.04	6500.80	580.01	198.84	485.03	11269.07	1996.19	4608.01
29-Dec	11402.75	7030.98	8676.68	6999.59	3678.29	5995.94	583.37	198.78	526.47	12194.33	3091.92	5097.37
30-Dec	11493.41	7183.40	8199.10	6122.39	3616.53	5751.94	580.04	188.41	528.27	12379.81	2733.72	5349.76
31-Dec	12297.74	7206.12	8144.35	6620.19	3735.33	5666.50	580.48	198.15	535.88	12488.08	2041.78	5442.27
1-Jan												
Average	11,392.12	5,904.81	8,438.94	6,906.77	3,948.54	6,231.81	580.35	197.77	509.96	11,592.80	2,365.62	4,773.89



Annual Turbidity Summary Vermilion WTP

Summary : 2025

Month	Free Chlorine Residual ppm	Fluoride Residual ppm	Filter #A Turbidity NTU	Filter #B Turbidity NTU	Filter #C Turbidity NTU	Filter #D Turbidity NTU	Filter #E Turbidity NTU
January	2.01	0.61	0.02	0.04	0.03	0.02	0.03
February	1.97	0.68	0.03	0.02	0.02	0.02	0.02
March	1.97	0.66	0.03	0.02	0.03	0.02	0.02
April	2.00	0.70	0.02	0.02	0.04	0.02	0.02
May	1.94	0.68	0.03	0.03	0.03	0.02	0.03
June	1.99	0.65	0.03	0.02	0.03	0.03	0.03
July	1.91	0.68	0.04	0.03	0.03	0.03	0.04
August	2.01	0.67	0.04	0.03	0.03	0.03	0.03
September	1.98	0.71	0.03	0.03	0.03	0.02	0.03
October	2.02	0.69	0.04	0.03	0.03	0.02	0.03
November	2.09	0.72	0.04	0.04	0.03	0.03	0.03
December	2.01	0.31	0.02	0.04	0.03	0.02	0.03
Annual Average:	1.99	0.65	0.03	0.03	0.03	0.02	0.03





Monthly Turbidity Reading Summary Vermilion WTP

1-Jan-2025																					
Month Min	2.09	0.04	1.85	0.44	0.20	0.22	0.02	0.00	0.02	0.04	0.01	0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.03	0.00	0.02
Month Max	2.85	1.93	2.12	1.94	0.69	0.81	0.95	0.03	0.04	1.02	0.04	0.06	1.02	0.03	0.04	1.02	0.02	0.04	1.02	0.03	0.04
Date	Chlorine Residual (Al-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (Al-98582)			Filter #B Turbidity (Al-98577)			Filter #C Turbidity (Al-98576)			Filter #D Turbidity (D_FILTERTURB)			Filter #E Turbidity (Al-98581)		
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU
1-Jan	2.09	1.78	1.97	0.80	0.52	0.73	0.03	0.02	0.02	1.02	0.03	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03
2-Jan	2.31	1.79	1.99	0.99	0.57	0.71	0.02	0.02	0.02	0.04	0.03	0.04	0.97	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03
3-Jan	2.32	1.88	2.02	0.74	0.59	0.65	0.03	0.02	0.02	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02
4-Jan	2.30	1.81	1.99	0.77	0.56	0.65	0.03	0.02	0.02	0.04	0.03	0.04	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03
5-Jan	2.40	1.88	2.02	0.90	0.59	0.70	0.64	0.02	0.02	0.05	0.03	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03
6-Jan	2.40	1.84	2.00	0.99	0.50	0.75	0.03	0.02	0.02	1.02	0.03	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
7-Jan	2.36	1.85	2.01	0.89	0.69	0.74	0.03	0.02	0.02	0.05	0.04	0.04	1.02	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02
8-Jan	2.38	1.88	2.03	0.85	0.56	0.70	0.02	0.02	0.02	0.05	0.04	0.04	0.03	0.02	0.02	1.02	0.01	0.02	0.03	0.02	0.02
9-Jan	2.47	1.50	2.06	1.94	0.21	0.71	0.88	0.00	0.02	1.02	0.01	0.04	0.97	0.00	0.03	1.02	0.00	0.02	1.02	0.00	0.03
10-Jan	2.58	1.74	2.08	0.85	0.56	0.69	0.48	0.02	0.03	0.06	0.04	0.04	0.04	0.03	0.03	0.02	0.01	0.02	0.03	0.02	0.03
11-Jan	2.41	1.92	2.05	0.94	0.54	0.69	0.04	0.02	0.02	1.02	0.04	0.06	0.03	0.03	0.03	0.02	0.01	0.02	0.03	0.02	0.03
12-Jan	2.35	1.93	2.06	0.90	0.62	0.72	0.04	0.02	0.02	0.05	0.04	0.04	1.01	0.03	0.04	0.02	0.02	0.02	0.03	0.02	0.03
13-Jan	2.35	1.90	2.02	0.88	0.64	0.73	0.03	0.02	0.02	0.04	0.04	0.04	0.03	0.03	0.03	1.01	0.01	0.02	0.03	0.02	0.02
14-Jan	2.22	1.84	1.99	0.90	0.61	0.74	0.03	0.02	0.02	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03
15-Jan	2.30	1.91	2.10	1.06	0.53	0.81	0.45	0.02	0.03	0.05	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.04	0.02	0.03
16-Jan	2.28	1.78	2.04	0.80	0.35	0.56	0.03	0.02	0.03	1.02	0.04	0.05	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03
17-Jan	2.24	1.72	1.98	0.71	0.47	0.57	0.03	0.02	0.02	0.05	0.04	0.04	1.01	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02
18-Jan	2.37	1.71	2.02	0.70	0.49	0.57	0.03	0.02	0.02	0.05	0.04	0.04	0.04	0.03	0.03	1.01	0.01	0.02	0.04	0.02	0.02
19-Jan	2.41	1.88	2.12	0.66	0.42	0.52	0.03	0.02	0.02	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.63	0.02	0.03
20-Jan	2.17	1.71	2.03	0.62	0.20	0.49	0.53	0.02	0.03	0.05	0.03	0.04	0.04	0.03	0.03	0.03	0.01	0.02	0.04	0.02	0.03
21-Jan	2.24	1.75	2.01	0.76	0.24	0.52	0.04	0.02	0.03	1.02	0.04	0.05	0.04	0.03	0.03	0.02	0.01	0.02	0.03	0.02	0.03
22-Jan	2.26	1.74	1.98	0.72	0.41	0.56	0.04	0.02	0.02	0.05	0.04	0.04	1.02	0.03	0.04	0.02	0.02	0.02	0.03	0.02	0.02
23-Jan	2.33	1.55	1.94	0.72	0.20	0.42	0.03	0.02	0.02	0.05	0.04	0.04	0.04	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02
24-Jan	2.85	0.04	2.11	0.44	0.20	0.22	0.81	0.02	0.03	1.02	0.04	0.05	0.03	0.02	0.03	1.02	0.01	0.04	1.02	0.02	0.04
25-Jan	2.34	1.83	1.95	0.73	0.20	0.43	0.03	0.02	0.03	0.05	0.04	0.05	1.02	0.02	0.03	0.02	0.02	0.02	0.04	0.03	0.03
26-Jan	2.33	1.87	1.96	0.76	0.49	0.54	0.03	0.02	0.03	0.05	0.04	0.04	0.04	0.03	0.03	1.02	0.01	0.02	0.03	0.02	0.03
27-Jan	2.22	1.77	1.96	0.79	0.20	0.44	0.07	0.02	0.03	0.07	0.04	0.04	0.05	0.02	0.03	0.03	0.02	0.02	0.06	0.02	0.03
28-Jan	2.55	1.62	1.95	0.73	0.20	0.46	0.95	0.02	0.04	1.02	0.04	0.05	1.02	0.03	0.04	0.02	0.01	0.02	0.64	0.02	0.03
29-Jan	2.14	1.61	1.85	0.77	0.45	0.57	0.08	0.03	0.03	0.05	0.04	0.04	0.03	0.03	0.03	1.02	0.01	0.02	0.03	0.02	0.03
30-Jan	2.23	1.80	2.07	0.81	0.20	0.64	0.04	0.02	0.03	0.05	0.02	0.04	0.27	0.03	0.03	0.02	0.01	0.02	0.86	0.02	0.03
31-Jan	2.25	1.83	2.01	0.84	0.45	0.67	0.91	0.02	0.03	1.02	0.01	0.02	1.02	0.02	0.03	1.02	0.01	0.02	1.01	0.00	0.03
1-Feb																					
Average	2.34	1.73	2.01	0.84	0.43	0.61	0.21	0.02	0.02	0.33	0.03	0.04	0.32	0.02	0.03	0.28	0.01	0.02	0.24	0.02	0.03



Monthly Turbidity Reading Summary Vermilion WTP

1-Feb-2025																						
Month Min	1.99	1.24	1.79	0.67	-0.25	0.27	0.03	-0.18	0.02	0.02	-0.18	0.02	0.02	-0.19	0.02	0.02	-0.18	0.02	0.02	-0.18	0.02	
Month Max	2.66	1.92	2.12	2.00	0.72	0.80	0.62	0.02	0.03	1.02	0.02	0.02	0.93	0.02	0.03	1.02	0.02	0.03	1.02	0.02	0.03	
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)			
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	
1-Feb	2.07	1.74	1.91	0.96	0.46	0.67	0.03	0.02	0.02	1.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
2-Feb	2.23	1.81	2.00	0.98	0.66	0.80	0.03	0.02	0.02	0.02	0.02	0.02	0.91	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
3-Feb	2.18	1.88	2.01	0.81	0.20	0.54	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.01	0.02	0.02	0.02	0.03	0.02	0.02
4-Feb	2.18	1.88	1.99	0.67	0.20	0.27	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.53	0.02	0.02
5-Feb	2.42	1.78	2.00	0.93	0.51	0.67	0.59	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6-Feb	2.31	1.90	2.12	0.89	0.28	0.63	0.03	0.02	0.02	1.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
7-Feb	2.10	1.84	1.96	0.83	0.47	0.63	0.03	0.02	0.02	0.02	0.01	0.02	0.75	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
8-Feb	2.26	1.24	1.98	1.41	0.20	0.53	0.05	-0.18	-0.02	0.02	-0.18	0.02	0.02	-0.19	0.02	1.02	-0.18	0.02	0.04	-0.18	0.02	0.02
9-Feb	2.25	1.90	2.03	0.71	0.50	0.60	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.02	0.55	0.02	0.02	0.02
10-Feb	2.46	1.87	2.10	0.83	0.41	0.61	0.46	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02
11-Feb	2.32	1.79	1.99	0.99	0.43	0.66	0.07	0.02	0.03	1.02	0.01	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02
12-Feb	2.25	1.92	2.09	0.88	0.68	0.77	0.06	0.02	0.02	0.02	0.02	0.02	0.74	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.02
13-Feb	2.19	1.88	2.00	0.87	0.70	0.77	0.03	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02	0.91	0.02	0.02	0.02	0.02	0.02	0.02
14-Feb	2.46	1.90	2.04	1.99	-0.25	0.76	0.04	0.02	0.02	0.02	0.01	0.02	0.03	0.01	0.02	0.03	0.02	0.02	0.49	0.01	0.02	0.02
15-Feb	2.23	1.76	1.92	0.84	0.62	0.74	0.62	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02
16-Feb	2.26	1.79	1.97	0.83	0.64	0.75	0.04	0.02	0.03	1.00	0.01	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02
17-Feb	2.15	1.80	2.03	0.84	0.61	0.75	0.03	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
18-Feb	2.66	1.79	2.08	2.00	-0.25	0.68	0.03	0.02	0.02	0.02	0.01	0.02	0.93	0.02	0.03	1.00	0.02	0.03	0.02	0.01	0.02	0.02
19-Feb	2.29	1.67	1.95	1.93	-0.25	0.74	0.04	0.02	0.02	0.02	0.01	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.50	0.01	0.02	0.02
20-Feb	2.05	1.65	1.79	0.80	0.54	0.68	0.47	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
21-Feb	2.12	1.68	1.86	0.95	0.57	0.71	0.05	0.02	0.03	1.00	0.01	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
22-Feb	2.21	1.78	1.98	0.88	0.72	0.80	0.03	0.02	0.03	0.02	0.01	0.02	0.67	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
23-Feb	2.17	1.69	1.83	0.82	0.67	0.74	0.05	0.02	0.02	0.02	0.01	0.02	0.03	0.02	0.03	0.99	0.02	0.02	0.02	0.02	0.02	0.02
24-Feb	2.20	1.66	1.82	0.86	0.68	0.74	0.05	0.02	0.02	0.02	0.01	0.02	0.03	0.02	0.03	0.03	0.02	0.02	1.02	0.02	0.02	0.03
25-Feb	2.24	1.66	1.95	0.92	0.62	0.76	0.53	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02
26-Feb	1.99	1.62	1.87	0.82	0.53	0.73	0.04	0.02	0.03	1.02	0.01	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02
27-Feb	2.03	1.67	1.85	0.84	0.65	0.72	0.03	0.02	0.02	0.02	0.01	0.02	0.81	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02
28-Feb	2.20	1.64	1.93	0.87	0.63	0.71	0.03	0.02	0.02	0.02	0.01	0.02	0.03	0.02	0.02	1.02	0.01	0.02	0.02	0.02	0.02	0.02
1-Mar																						
Average	2.23	1.76	1.97	1.00	0.44	0.68	0.13	0.01	0.03	0.23	0.01	0.02	0.19	0.01	0.02	0.23	0.01	0.02	0.13	0.01	0.02	0.02



Monthly Turbidity Reading Summary Vermilion WTP

1-Mar-2025																							
Month Min	2.11	0.03	1.85	0.68	0.20	0.55	0.03	0.01	0.02	0.02	0.00	0.02	0.03	0.00	0.03	0.02	0.01	0.02	0.02	0.01	0.02		
Month Max	2.50	1.89	2.12	1.94	0.67	0.75	1.00	0.03	0.03	1.02	0.02	0.03	1.02	0.03	0.04	1.02	0.02	1.00	0.03	1.00	0.03		
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)				
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU		
1-Mar	2.29	1.73	1.88	0.85	0.67	0.75	0.04	0.02	0.02	0.02	0.01	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.46	0.01	0.02	
2-Mar	2.29	1.77	1.93	0.86	0.52	0.68	0.58	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
3-Mar	2.12	1.75	1.93	1.94	0.20	0.55	0.81	0.02	0.03	1.00	0.01	0.02	1.01	0.02	0.03	1.02	0.02	0.02	1.00	0.02	0.02	0.02	
4-Mar	2.44	1.81	2.06	1.56	0.22	0.58	0.04	0.02	0.03	0.99	0.01	0.02	1.01	0.03	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
5-Mar	2.45	1.75	2.01	0.80	0.66	0.70	0.03	0.02	0.02	0.02	0.01	0.02	0.04	0.03	0.03	1.02	0.02	0.02	0.02	0.02	0.02	0.02	
6-Mar	2.23	1.71	1.90	0.74	0.59	0.65	0.03	0.02	0.02	0.02	0.01	0.02	0.03	0.02	0.03	0.02	0.01	0.02	0.51	0.02	0.02	0.02	
7-Mar	2.27	1.65	1.85	0.73	0.47	0.61	0.38	0.02	0.03	0.02	0.01	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	
8-Mar	2.40	1.72	1.96	0.75	0.56	0.64	0.03	0.02	0.03	0.96	0.01	0.02	0.04	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
9-Mar	2.27	1.84	2.02	0.68	0.58	0.63	0.03	0.02	0.03	0.02	0.01	0.02	1.02	0.03	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
10-Mar	2.20	1.71	1.96	0.69	0.58	0.63	0.03	0.02	0.03	0.02	0.01	0.02	0.04	0.03	0.03	1.02	0.02	0.02	0.03	0.02	0.02	0.02	
11-Mar	2.31	1.69	1.92	0.75	0.61	0.66	0.03	0.02	0.03	0.02	0.01	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.64	0.02	0.02	0.02	
12-Mar	2.24	1.84	1.97	0.77	0.60	0.67	0.70	0.02	0.03	0.02	0.01	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	
13-Mar	2.22	1.89	2.08	0.78	0.55	0.69	0.03	0.02	0.03	1.01	0.01	0.02	0.04	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
14-Mar	2.27	1.67	1.98	0.75	0.61	0.65	0.04	0.02	0.03	0.02	0.01	0.02	0.99	0.03	0.04	0.02	0.02	0.02	0.03	0.02	0.02	0.02	
15-Mar	2.31	1.86	2.04	0.70	0.61	0.65	0.03	0.02	0.02	0.02	0.01	0.02	0.04	0.03	0.03	0.97	0.02	0.02	0.03	0.02	0.02	0.02	
16-Mar	2.35	1.87	2.05	0.73	0.62	0.67	0.03	0.02	0.02	0.02	0.01	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.58	0.02	0.02	0.02	
17-Mar	2.16	1.74	1.94	0.76	0.52	0.68	0.64	0.02	0.03	0.02	0.01	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	
18-Mar	2.18	1.67	1.91	0.73	0.56	0.68	0.04	0.03	0.03	1.02	0.01	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	
19-Mar	2.18	0.03	1.87	0.78	0.62	0.67	0.04	0.02	0.03	0.02	0.01	0.02	1.02	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.02	0.03	
20-Mar	2.50	1.76	2.04	0.76	0.62	0.68	0.05	0.02	0.03	0.02	0.01	0.02	0.04	0.03	0.03	1.02	0.02	0.03	0.03	0.02	0.03	0.03	
21-Mar	2.21	1.79	2.02	0.76	0.65	0.72	0.03	0.02	0.03	0.03	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.81	0.02	0.02	0.03	
22-Mar	2.34	1.87	2.02	0.75	0.56	0.66	0.80	0.02	0.03	0.02	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	
23-Mar	2.39	1.85	1.99	0.76	0.55	0.64	0.05	0.03	0.03	1.02	0.02	0.03	0.05	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.03	
24-Mar	2.36	1.89	2.12	0.74	0.64	0.70	0.04	0.03	0.03	0.02	0.02	0.02	1.02	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.03	0.03	
25-Mar	2.28	1.77	2.00	0.72	0.60	0.66	0.04	0.02	0.03	0.02	0.02	0.02	0.04	0.03	0.04	1.02	0.02	0.03	0.03	0.02	0.02	0.03	
26-Mar	2.13	1.75	1.95	0.74	0.62	0.66	1.00	0.01	0.03	0.98	0.00	0.02	1.00	0.00	0.04	0.77	0.01	0.02	0.89	0.01	0.03	0.03	
27-Mar	2.27	1.74	1.88	0.71	0.57	0.66	1.00	0.02	0.03	0.02	0.02	0.02	0.04	0.03	0.04	0.02	0.02	0.02	0.03	0.02	0.03	0.03	
28-Mar	2.12	1.74	1.97	0.74	0.57	0.65	0.04	0.03	0.03	1.02	0.02	0.03	0.06	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.03	
29-Mar	2.16	1.75	1.91	0.76	0.65	0.70	0.03	0.02	0.03	0.02	0.02	0.02	0.99	0.03	0.04	0.02	0.01	0.02	0.03	0.02	0.03	0.03	
30-Mar	2.14	1.82	1.93	0.75	0.60	0.69	0.03	0.02	0.03	0.02	0.01	0.02	0.05	0.03	0.03	1.02	0.01	0.02	0.03	0.02	0.02	0.02	
31-Mar	2.11	1.72	1.87	0.71	0.59	0.66	0.03	0.02	0.02	0.02	0.01	0.02	0.04	0.03	0.03	0.02	0.02	0.02	0.84	0.02	0.03	0.03	
1-Apr																							
Average	2.26	1.71	1.97	0.81	0.57	0.66	0.22	0.02	0.03	0.27	0.01	0.02	0.29	0.03	0.03	0.27	0.02	0.02	0.21	0.02	0.02	0.02	



Monthly Turbidity Reading Summary Vermilion WTP

1-Apr-2025																						
Month Min	2.08	1.61	1.83	0.67	-0.08	0.62	0.03	0.02	0.02	0.02	0.01	0.01	0.03	0.02	0.03	0.02	0.01	0.01	0.02	0.01	0.02	
Month Max	2.46	1.96	2.11	1.99	0.69	0.77	0.83	0.03	0.03	1.02	0.02	0.08	1.02	0.04	0.05	1.02	0.02	0.03	1.02	0.03	0.04	
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)			
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	
1-Apr	2.09	1.78	1.93	0.81	0.64	0.71	0.77	0.02	0.03	0.02	0.01	0.02	0.03	0.03	0.03	0.02	0.01	0.02	0.03	0.02	0.02	
2-Apr	2.11	1.77	1.94	0.80	0.60	0.70	0.04	0.02	0.03	1.02	0.01	0.02	0.04	0.03	0.04	0.02	0.01	0.02	0.03	0.02	0.02	
3-Apr	2.16	1.76	1.94	0.80	0.65	0.71	0.03	0.02	0.03	0.02	0.01	0.02	0.98	0.03	0.04	0.02	0.01	0.02	0.03	0.02	0.02	
4-Apr	2.28	1.81	1.95	0.70	0.61	0.67	0.12	0.02	0.02	0.02	0.01	0.01	0.04	0.03	0.04	1.01	0.01	0.02	0.03	0.01	0.02	
5-Apr	2.29	1.90	2.03	0.67	0.57	0.62	0.03	0.02	0.02	0.02	0.01	0.01	0.04	0.02	0.03	0.02	0.01	0.02	0.03	0.73	0.01	0.02
6-Apr	2.18	1.83	1.96	0.69	0.55	0.63	0.59	0.02	0.02	0.02	0.01	0.01	0.04	0.02	0.03	0.02	0.01	0.02	0.03	0.01	0.02	
7-Apr	2.08	1.75	1.94	0.78	0.59	0.67	0.04	0.02	0.02	1.02	0.01	0.02	0.04	0.03	0.03	0.02	0.01	0.02	0.03	0.02	0.02	
8-Apr	2.27	1.61	1.94	0.77	0.64	0.70	0.04	0.02	0.02	0.03	0.01	0.01	1.00	0.03	0.04	0.99	0.01	0.02	0.02	0.02	0.02	
9-Apr	2.08	1.71	1.88	0.77	0.58	0.65	0.03	0.02	0.02	0.02	0.01	0.01	0.04	0.03	0.04	1.02	0.01	0.02	0.03	0.01	0.02	
10-Apr	2.16	1.62	1.83	0.78	0.65	0.71	0.03	0.02	0.02	0.02	0.01	0.01	0.05	0.03	0.04	0.02	0.01	0.02	0.71	0.01	0.02	
11-Apr	2.42	1.74	2.05	1.99	-0.08	0.69	0.58	0.02	0.03	0.02	0.01	0.02	0.04	0.03	0.03	0.02	0.01	0.02	0.03	0.02	0.02	
12-Apr	2.36	1.88	2.05	0.85	0.63	0.75	0.03	0.03	0.03	1.02	0.01	0.02	0.05	0.03	0.03	0.02	0.01	0.02	0.03	0.02	0.02	
13-Apr	2.32	1.90	2.03	0.80	0.65	0.73	0.03	0.02	0.03	0.02	0.01	0.02	1.02	0.03	0.04	0.02	0.01	0.02	0.03	0.02	0.02	
14-Apr	2.14	1.67	1.89	0.85	0.68	0.77	0.04	0.02	0.02	0.02	0.01	0.02	0.04	0.03	0.03	0.99	0.01	0.02	0.02	0.01	0.02	
15-Apr	2.25	1.78	1.93	0.80	0.60	0.72	0.03	0.02	0.02	0.02	0.01	0.02	0.03	0.03	0.03	0.02	0.01	0.02	1.02	0.01	0.03	
16-Apr	2.21	1.89	2.07	0.82	0.65	0.74	0.70	0.02	0.02	0.02	0.01	0.02	0.03	0.03	0.03	0.02	0.01	0.02	0.06	0.02	0.02	
17-Apr	2.38	1.96	2.11	0.87	0.59	0.75	0.06	0.02	0.03	0.35	0.01	0.04	0.04	0.03	0.03	0.03	0.01	0.02	0.03	0.02	0.02	
18-Apr	2.23	1.73	2.00	1.01	0.65	0.74	0.03	0.02	0.02	1.02	0.02	0.08	1.01	0.03	0.04	0.02	0.01	0.02	0.02	0.02	0.02	
19-Apr	2.29	1.82	2.02	0.75	0.62	0.69	0.03	0.02	0.02	0.02	0.01	0.02	1.02	0.03	0.04	1.02	0.01	0.02	0.02	0.01	0.02	
20-Apr	2.32	1.84	2.03	0.73	0.62	0.67	0.03	0.02	0.02	0.02	0.01	0.02	0.04	0.03	0.04	0.03	0.02	0.02	0.89	0.01	0.02	
21-Apr	2.18	1.90	2.05	0.73	0.58	0.67	0.83	0.02	0.03	0.02	0.01	0.02	0.04	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.03	
22-Apr	2.23	1.86	2.03	0.75	0.45	0.62	0.04	0.03	0.03	1.02	0.02	0.03	0.05	0.03	0.04	0.03	0.02	0.02	0.04	0.03	0.03	
23-Apr	2.32	1.79	1.99	0.82	0.49	0.70	0.05	0.02	0.03	0.03	0.01	0.02	1.02	0.04	0.05	0.03	0.02	0.02	0.04	0.02	0.03	
24-Apr	2.26	1.87	2.02	0.80	0.69	0.74	0.03	0.02	0.02	0.02	0.01	0.02	0.05	0.04	0.05	1.01	0.02	0.03	0.03	0.02	0.02	
25-Apr	2.18	1.96	2.06	0.76	0.68	0.72	0.04	0.02	0.02	0.02	0.01	0.02	0.04	0.03	0.04	0.03	0.02	0.02	0.77	0.02	0.03	
26-Apr	2.46	1.94	2.06	0.80	0.68	0.73	0.65	0.02	0.03	0.02	0.01	0.02	0.04	0.04	0.04	0.03	0.02	0.02	0.03	0.02	0.03	
27-Apr	2.25	1.90	2.05	0.79	0.69	0.74	0.04	0.02	0.02	1.02	0.01	0.02	0.04	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.03	
28-Apr	2.19	1.93	2.02	0.75	0.67	0.71	0.04	0.02	0.02	0.02	0.01	0.02	1.02	0.04	0.04	0.03	0.02	0.02	0.03	0.02	0.02	
29-Apr	2.20	1.84	2.05	0.71	0.63	0.67	0.04	0.02	0.02	0.03	0.02	0.02	0.04	0.03	0.04	1.02	0.02	0.03	0.06	0.02	0.03	
30-Apr	2.33	1.90	2.03	0.74	0.63	0.69	0.05	0.02	0.03	0.03	0.02	0.02	0.05	0.04	0.04	0.03	0.02	0.03	0.61	0.03	0.04	
1-May																						
Average	2.24	1.82	2.00	0.82	0.60	0.70	0.17	0.02	0.02	0.23	0.01	0.02	0.27	0.03	0.04	0.25	0.01	0.02	0.18	0.02	0.02	



Monthly Turbidity Reading Summary Vermilion WTP

1-May-2025																						
Month Min	1.97	1.25	1.80	0.64	-0.01	0.54	0.03	0.01	0.02	0.03	0.00	0.02	0.03	0.01	0.02	0.02	0.01	0.02	0.02	0.01	0.02	
Month Max	2.62	1.96	2.12	2.00	0.67	0.75	1.01	0.03	0.03	1.02	0.03	0.04	1.00	0.03	0.04	1.02	0.02	0.03	1.02	0.03	0.04	
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)			
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	
1-May	2.13	1.90	2.01	0.73	0.61	0.69	1.01	0.03	0.03	1.00	0.02	0.02	0.98	0.01	0.04	1.02	0.02	0.03	1.02	0.02	0.03	
2-May	2.08	1.63	1.92	0.80	0.60	0.68	0.04	0.03	0.03	1.02	0.02	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02
3-May	2.15	1.80	1.96	0.78	0.66	0.73	0.06	0.02	0.03	0.03	0.02	0.02	0.91	0.03	0.04	0.02	0.01	0.02	0.03	0.02	0.02	
4-May	2.22	1.89	2.01	0.77	0.62	0.69	0.04	0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.97	0.01	0.02	0.02	0.02	0.01	0.02
5-May	2.17	1.85	1.94	0.66	0.57	0.62	0.05	0.02	0.03	0.03	0.02	0.02	0.04	0.02	0.03	0.03	0.02	0.02	0.02	0.60	0.02	0.03
6-May	2.21	1.83	1.95	0.64	0.20	0.54	0.58	0.03	0.03	0.07	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.04	0.02	0.03	
7-May	2.26	1.84	1.99	0.69	0.56	0.61	0.05	0.03	0.03	1.02	0.02	0.03	0.07	0.03	0.04	0.03	0.02	0.02	0.04	0.02	0.03	
8-May	2.26	1.87	2.02	0.70	0.59	0.65	0.04	0.03	0.03	0.04	0.02	0.02	0.77	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.03	
9-May	2.18	1.82	2.00	2.00	-0.01	0.71	0.05	0.03	0.03	0.03	0.02	0.02	0.04	0.03	0.03	0.81	0.02	0.03	0.03	0.02	0.03	
10-May	2.15	1.79	1.94	0.75	0.64	0.70	0.08	0.03	0.03	0.03	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.67	0.02	0.03	
11-May	2.11	1.81	1.91	0.77	0.62	0.69	0.53	0.03	0.03	0.04	0.02	0.02	0.03	0.03	0.03	0.04	0.02	0.02	0.04	0.03	0.03	
12-May	2.12	1.80	1.96	0.81	0.56	0.69	0.07	0.03	0.03	1.02	0.02	0.03	0.04	0.03	0.03	0.04	0.02	0.02	0.04	0.03	0.03	
13-May	2.24	1.53	1.99	0.70	0.59	0.64	0.05	0.03	0.03	0.03	0.02	0.03	0.71	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	
14-May	2.18	1.73	1.90	0.82	0.59	0.70	0.21	0.03	0.03	0.04	0.02	0.03	0.03	0.03	0.03	0.99	0.02	0.03	0.04	0.03	0.03	
15-May	2.03	1.69	1.87	0.78	0.67	0.74	0.05	0.02	0.03	0.04	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.59	0.03	0.04	
16-May	2.06	1.73	1.88	0.84	0.67	0.74	0.42	0.02	0.03	0.08	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	
17-May	2.29	1.76	1.96	0.77	0.58	0.71	0.10	0.03	0.03	0.97	0.02	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	
18-May	2.09	1.87	1.98	0.86	0.66	0.71	0.07	0.03	0.03	0.06	0.03	0.03	0.66	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	
19-May	2.11	1.82	2.00	0.83	0.67	0.75	0.22	0.02	0.03	0.05	0.03	0.03	0.03	0.02	0.03	0.56	0.02	0.03	0.03	0.03	0.03	
20-May	2.37	1.80	2.09	0.78	0.67	0.73	0.07	0.02	0.03	0.07	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.99	0.02	0.03	
21-May	2.39	1.25	1.81	0.87	0.65	0.73	0.18	0.02	0.03	0.16	0.03	0.03	0.08	0.02	0.03	0.07	0.02	0.03	0.07	0.03	0.03	
22-May	2.37	1.68	2.02	0.80	0.56	0.66	0.88	0.02	0.03	0.04	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.04	0.02	0.03	
23-May	2.62	1.29	1.86	1.07	0.20	0.71	0.07	0.03	0.03	0.20	0.02	0.03	0.10	0.02	0.03	0.10	0.02	0.02	0.10	0.02	0.03	
24-May	2.30	1.96	2.12	0.69	0.20	0.58	0.06	0.03	0.03	1.02	0.02	0.04	0.08	0.02	0.03	0.03	0.02	0.02	0.05	0.02	0.03	
25-May	2.17	1.93	2.04	0.65	0.52	0.57	0.04	0.02	0.03	0.04	0.03	0.03	0.71	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03	
26-May	2.00	1.61	1.80	0.74	0.55	0.67	0.05	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.81	0.02	0.03	0.03	0.02	0.03	
27-May	1.97	1.67	1.82	0.73	0.58	0.67	0.03	0.02	0.02	0.09	0.02	0.03	0.03	0.02	0.03	0.04	0.02	0.03	0.30	0.02	0.03	
28-May	1.99	1.74	1.86	0.80	0.56	0.64	0.36	0.02	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	
29-May	2.18	1.78	1.87	0.79	0.57	0.69	0.26	0.03	0.03	1.02	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	
30-May	1.99	1.63	1.85	0.77	0.63	0.70	1.00	0.01	0.03	0.93	0.00	0.03	1.00	0.01	0.03	1.02	0.01	0.02	1.02	0.01	0.03	
31-May	2.24	1.69	1.87	0.83	0.64	0.74	0.05	0.02	0.03	0.04	0.02	0.02	0.03	0.02	0.02	0.84	0.01	0.02	0.03	0.02	0.02	
1-Jun																						
Average	2.18	1.74	1.94	0.81	0.55	0.68	0.22	0.02	0.03	0.30	0.02	0.03	0.22	0.02	0.03	0.25	0.02	0.02	0.20	0.02	0.03	



Monthly Turbidity Reading Summary Vermilion WTP

1-Jun-2025																					
Month Min	2.05	1.67	1.89	0.62	-0.17	0.28	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.01	0.02
Month Max	2.51	2.13	2.30	2.00	0.74	0.81	0.58	0.03	0.04	1.01	0.02	0.03	0.64	0.03	0.04	0.87	0.03	0.03	1.02	0.04	0.04
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)		
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU
1-Jun	2.26	1.67	1.92	0.92	0.20	0.65	0.11	0.02	0.03	0.08	0.02	0.02	0.05	0.02	0.02	0.04	0.02	0.02	0.40	0.01	0.02
2-Jun	2.29	1.86	1.97	0.71	0.54	0.63	0.37	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03
3-Jun	2.18	1.80	1.99	1.91	0.11	0.66	0.04	0.03	0.03	1.01	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03
4-Jun	2.51	2.13	2.30	0.76	0.65	0.70	0.05	0.03	0.03	0.03	0.02	0.02	0.64	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03
5-Jun	2.24	1.92	2.05	1.78	0.20	0.64	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.66	0.02	0.02	0.03	0.02	0.02
6-Jun	2.26	1.92	2.06	0.78	0.58	0.71	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.47	0.02	0.03
7-Jun	2.23	1.80	2.02	0.80	0.63	0.74	0.38	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.05	0.03	0.03
8-Jun	2.40	1.85	2.00	0.81	0.61	0.74	0.14	0.03	0.03	1.01	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.04	0.02	0.03
9-Jun	2.11	1.84	1.97	0.82	0.36	0.75	0.07	0.03	0.03	0.03	0.02	0.03	0.55	0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.03
10-Jun	2.22	1.89	2.02	0.78	0.70	0.74	0.13	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.60	0.02	0.03	0.03	0.02	0.03
11-Jun	2.26	1.80	2.00	0.86	0.69	0.78	0.05	0.02	0.03	0.05	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.02	0.81	0.02	0.03
12-Jun	2.15	1.88	2.01	0.86	0.74	0.81	0.40	0.02	0.03	0.05	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.04	0.03	0.03
13-Jun	2.19	1.83	2.04	0.82	0.62	0.74	0.06	0.03	0.03	1.00	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03
14-Jun	2.13	1.89	2.00	0.70	0.62	0.66	0.05	0.03	0.03	0.04	0.02	0.03	0.59	0.02	0.03	0.03	0.02	0.02	0.04	0.03	0.03
15-Jun	2.15	1.87	2.01	2.00	0.29	0.62	0.08	0.03	0.03	0.05	0.02	0.02	0.04	0.03	0.03	0.83	0.02	0.03	0.04	0.03	0.03
16-Jun	2.20	1.85	2.02	1.88	-0.15	0.28	0.05	0.03	0.03	0.07	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.35	0.03	0.03
17-Jun	2.09	1.73	1.95	1.97	-0.07	0.49	0.53	0.03	0.03	0.06	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.03	0.05	0.03	0.04
18-Jun	2.22	1.71	1.89	2.00	0.20	0.39	0.12	0.03	0.04	1.00	0.02	0.03	0.04	0.03	0.03	0.04	0.02	0.03	0.04	0.03	0.04
19-Jun	2.10	1.73	1.90	1.96	-0.17	0.31	0.19	0.03	0.03	0.04	0.02	0.03	0.52	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
20-Jun	2.05	1.84	1.93	0.62	0.43	0.51	0.13	0.03	0.03	0.03	0.02	0.02	0.04	0.03	0.03	0.87	0.02	0.03	0.05	0.02	0.03
21-Jun	2.07	1.81	1.95	0.73	0.47	0.64	0.21	0.03	0.03	0.08	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.40	0.03	0.04
22-Jun	2.11	1.82	1.93	0.80	0.65	0.69	0.39	0.03	0.03	0.15	0.02	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.05	0.04	0.04
23-Jun	2.11	1.78	1.92	0.79	0.60	0.69	0.08	0.03	0.04	1.01	0.02	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.05	0.04	0.04
24-Jun	2.06	1.74	1.91	0.71	0.63	0.68	0.06	0.03	0.03	0.04	0.02	0.03	0.54	0.03	0.04	0.04	0.03	0.03	0.05	0.04	0.04
25-Jun	2.13	1.74	1.93	0.80	0.61	0.72	0.06	0.03	0.03	0.07	0.02	0.02	0.04	0.03	0.03	0.65	0.02	0.03	0.05	0.04	0.04
26-Jun	2.22	1.84	1.98	0.81	0.71	0.75	0.05	0.03	0.03	0.06	0.02	0.02	0.04	0.03	0.03	0.03	0.03	0.03	1.02	0.03	0.04
27-Jun	2.22	1.90	2.05	0.83	0.64	0.78	0.58	0.02	0.03	0.05	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.04
28-Jun	2.32	1.84	2.04	0.83	0.62	0.77	0.05	0.03	0.03	1.01	0.02	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.04
29-Jun	2.26	1.81	1.99	0.75	0.65	0.70	0.06	0.03	0.03	0.07	0.02	0.03	0.57	0.03	0.03	0.04	0.02	0.03	0.05	0.04	0.04
30-Jun	2.14	1.85	2.01	0.74	0.60	0.68	0.08	0.03	0.03	0.04	0.02	0.03	0.04	0.03	0.03	0.47	0.02	0.03	0.04	0.04	0.04
1-Jul																					
Average	2.20	1.83	1.99	1.05	0.46	0.65	0.15	0.03	0.03	0.24	0.02	0.02	0.14	0.03	0.03	0.16	0.02	0.03	0.15	0.03	0.03



Monthly Turbidity Reading Summary Vermilion WTP

1-Jul-2025																					
Month Min	1.93	0.01	1.81	0.49	0.20	0.40	0.06	-0.17	0.03	0.04	-0.17	0.03	0.03	-0.17	0.03	0.03	-0.17	0.02	0.03	0.02	0.03
Month Max	3.09	1.84	2.01	2.00	0.76	0.80	0.97	0.04	0.05	1.02	0.03	0.05	1.00	0.03	0.04	1.02	0.03	0.04	1.00	0.04	0.04
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)		
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU
1-Jul	2.16	1.80	1.93	0.80	0.67	0.75	0.06	0.03	0.03	0.05	0.02	0.03	0.04	0.03	0.04	0.04	0.03	0.03	0.55	0.04	0.04
2-Jul	2.02	1.74	1.90	0.84	0.76	0.80	0.08	0.03	0.03	0.04	0.02	0.03	0.04	0.03	0.04	0.04	0.03	0.03	0.05	0.04	0.04
3-Jul	2.05	1.76	1.89	0.86	0.72	0.78	0.96	0.03	0.04	0.04	0.02	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.05	0.04	0.04
4-Jul	2.11	1.68	1.90	0.87	0.64	0.71	0.09	0.03	0.04	0.99	0.02	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.05	0.04	0.04
5-Jul	2.16	1.78	1.97	0.78	0.63	0.68	0.06	0.03	0.03	0.07	0.03	0.03	0.70	0.03	0.04	0.04	0.03	0.03	0.06	0.04	0.04
6-Jul	2.15	1.76	1.92	0.77	0.64	0.69	0.09	0.03	0.03	0.05	0.03	0.03	0.05	0.03	0.04	0.57	0.03	0.04	0.05	0.04	0.04
7-Jul	2.11	1.62	1.89	0.76	0.63	0.69	0.85	0.03	0.03	1.02	0.03	0.03	1.00	0.03	0.03	1.02	0.02	0.03	1.00	0.02	0.04
8-Jul	2.13	1.79	1.92	0.78	0.54	0.65	0.82	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.03	0.04	0.03	0.03
9-Jul	2.02	1.64	1.90	0.75	0.53	0.65	0.07	0.03	0.04	1.00	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
10-Jul	2.10	1.75	1.87	0.78	0.63	0.71	0.08	0.03	0.03	0.06	0.03	0.03	0.51	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03
11-Jul	1.99	1.72	1.85	0.79	0.69	0.74	0.06	0.03	0.03	0.08	0.03	0.03	0.03	0.03	0.03	0.75	0.02	0.03	0.03	0.02	0.03
12-Jul	2.11	1.76	1.88	0.80	0.65	0.74	0.08	0.03	0.03	0.05	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.48	0.02	0.03
13-Jul	2.13	1.69	1.87	0.79	0.56	0.67	0.62	0.03	0.04	0.07	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.03	0.05	0.03	0.04
14-Jul	2.26	1.82	1.97	0.78	0.57	0.64	0.07	0.03	0.04	1.01	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04
15-Jul	2.12	1.80	1.94	0.78	0.64	0.71	0.08	0.03	0.04	0.07	0.03	0.04	0.48	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
16-Jul	2.06	1.67	1.91	0.73	0.50	0.59	0.07	0.03	0.03	0.07	0.03	0.03	0.04	0.03	0.03	0.81	0.02	0.03	0.04	0.03	0.03
17-Jul	2.17	1.81	1.92	2.00	0.21	0.57	0.06	0.03	0.03	0.05	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.43	0.03	0.03
18-Jul	1.96	1.51	1.81	0.74	0.61	0.68	0.63	0.03	0.05	0.06	0.03	0.04	0.05	0.03	0.04	0.04	0.02	0.03	0.05	0.03	0.04
19-Jul	1.93	1.67	1.81	0.76	0.56	0.69	0.09	0.04	0.05	1.02	0.03	0.05	0.06	0.03	0.04	0.04	0.03	0.03	0.05	0.03	0.04
20-Jul	2.03	1.72	1.84	0.86	0.64	0.77	0.09	0.03	0.04	0.05	0.03	0.04	0.60	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
21-Jul	2.11	1.76	1.95	0.82	0.74	0.78	0.08	0.03	0.04	1.10	0.03	0.03	0.04	0.03	0.03	0.63	0.02	0.03	0.04	0.02	0.03
22-Jul	2.22	1.84	1.95	0.83	0.71	0.77	0.12	0.03	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.39	0.02	0.03
23-Jul	2.44	0.01	1.98	0.95	0.20	0.68	0.19	0.03	0.04	0.09	0.03	0.04	0.07	0.03	0.03	0.05	0.02	0.03	0.06	0.03	0.04
24-Jul	2.18	1.67	1.95	0.49	0.29	0.40	0.97	-0.17	0.04	0.06	-0.17	0.03	0.05	-0.17	0.03	0.03	-0.17	0.03	0.04	0.03	0.03
25-Jul	2.25	1.83	2.01	0.77	0.43	0.64	0.09	0.04	0.04	1.02	0.03	0.04	0.04	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
26-Jul	2.17	1.69	1.95	0.78	0.67	0.72	0.80	0.04	0.04	0.07	0.03	0.04	0.82	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
27-Jul	2.06	1.77	1.90	0.73	0.58	0.64	0.13	0.03	0.04	0.06	0.03	0.03	0.04	0.03	0.03	0.84	0.02	0.03	0.04	0.03	0.03
28-Jul	2.23	1.76	1.90	0.65	0.56	0.60	0.10	0.03	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.62	0.03	0.04
29-Jul	2.17	1.75	1.92	0.69	0.55	0.62	0.51	0.03	0.04	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.05	0.03	0.04
30-Jul	3.09	0.01	1.83	0.80	0.61	0.68	0.06	0.03	0.04	1.02	0.02	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.04
31-Jul	2.11	1.81	1.98	0.73	0.66	0.70	0.86	0.02	0.04	0.83	0.03	0.03	0.91	0.02	0.03	0.94	0.02	0.03	0.94	0.02	0.03
1-Aug																					
Average	2.15	1.63	1.91	0.81	0.58	0.68	0.29	0.03	0.04	0.30	0.02	0.03	0.19	0.02	0.03	0.21	0.02	0.03	0.18	0.03	0.04



Monthly Turbidity Reading Summary Vermilion WTP

1-Aug-2025																						
Month Min	2.07	0.02	1.86	0.59	-0.16	0.53	0.05	-0.24	0.03	0.04	-0.24	0.02	0.03	-0.24	0.02	0.02	-0.24	0.02	0.02	-0.24	0.01	
Month Max	4.57	1.98	2.14	1.97	0.69	0.77	1.00	0.04	0.05	1.02	0.04	0.04	1.02	0.03	0.04	1.02	0.03	0.04	1.02	0.03	0.05	
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)			
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	
1-Aug	2.15	1.76	1.96	0.71	0.65	0.68	0.09	0.03	0.04	0.08	0.03	0.03	0.03	0.03	0.03	0.86	0.02	0.03	0.03	0.02	0.03	
2-Aug	2.14	1.77	1.94	0.70	0.63	0.67	0.10	0.03	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.03	0.04	0.46	0.02	0.03
3-Aug	2.22	1.75	1.90	0.77	0.63	0.69	0.67	0.03	0.04	0.07	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.02	0.03	
4-Aug	2.29	1.80	1.97	0.82	0.52	0.64	0.14	0.04	0.04	1.02	0.03	0.04	0.03	0.02	0.03	0.04	0.02	0.03	0.03	0.02	0.03	
5-Aug	2.21	1.84	2.03	0.79	0.68	0.73	0.11	0.03	0.04	0.05	0.03	0.03	0.63	0.02	0.03	0.04	0.02	0.03	0.03	0.02	0.03	
6-Aug	2.40	1.82	2.14	0.90	0.68	0.77	0.10	0.04	0.04	0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.02	0.03	
7-Aug	2.83	1.47	1.97	1.97	0.21	0.59	0.10	0.04	0.04	0.07	0.03	0.03	0.04	0.03	0.03	0.88	0.02	0.03	0.14	0.02	0.03	
8-Aug	2.24	1.90	2.03	0.59	0.51	0.55	0.08	0.04	0.04	0.06	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.56	0.02	0.03	
9-Aug	2.25	1.86	2.00	0.69	0.56	0.62	0.72	0.04	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	
10-Aug	2.08	1.69	2.00	0.71	0.55	0.64	0.20	0.04	0.05	1.02	0.03	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	
11-Aug	2.23	1.93	2.07	0.66	0.58	0.61	0.08	0.04	0.05	0.08	0.04	0.04	0.59	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	
12-Aug	2.15	1.89	2.04	0.64	0.57	0.60	0.08	0.04	0.04	0.06	0.03	0.04	0.04	0.03	0.03	0.64	0.03	0.04	0.04	0.03	0.03	
13-Aug	2.09	1.90	2.02	0.67	0.50	0.62	0.08	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.42	0.03	0.03	
14-Aug	2.14	1.73	1.96	0.73	0.60	0.66	0.59	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	
15-Aug	2.16	1.83	2.03	0.76	0.62	0.69	0.07	0.04	0.04	1.02	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	
16-Aug	4.57	0.02	2.09	0.75	-0.16	0.66	0.08	-0.24	0.04	0.06	-0.24	0.03	0.86	-0.24	0.04	0.07	-0.24	0.03	0.07	-0.24	0.03	
17-Aug	2.65	1.78	1.99	0.67	0.30	0.53	0.22	0.03	0.04	0.06	0.03	0.03	0.05	0.03	0.03	0.68	0.03	0.03	0.03	0.02	0.03	
18-Aug	2.37	1.85	2.02	0.67	0.58	0.61	0.07	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.05	0.03	0.03	0.40	0.02	0.05	
19-Aug	2.33	1.81	2.02	0.69	0.59	0.65	0.42	0.03	0.04	0.05	0.02	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.36	0.02	0.04	
20-Aug	2.45	1.98	2.12	0.75	0.57	0.66	0.07	0.03	0.04	0.96	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	
21-Aug	2.19	1.88	2.05	0.71	0.63	0.67	0.07	0.03	0.03	0.06	0.02	0.03	0.61	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	
22-Aug	2.21	1.85	2.01	0.77	0.67	0.71	0.21	0.03	0.03	0.04	0.02	0.02	0.04	0.02	0.03	0.97	0.02	0.03	0.03	0.02	0.02	
23-Aug	2.48	1.35	1.95	0.81	0.64	0.71	0.09	-0.17	0.03	0.09	-0.17	0.02	0.06	-0.17	0.03	0.05	-0.18	0.03	0.47	-0.18	0.02	
24-Aug	2.12	1.48	1.97	0.79	0.65	0.70	0.58	0.03	0.03	0.14	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.01	0.02	
25-Aug	2.31	1.66	2.09	0.81	0.63	0.76	0.08	0.03	0.04	0.97	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.01	0.02	
26-Aug	2.10	1.79	1.97	0.82	0.69	0.76	0.05	0.03	0.03	0.04	0.02	0.03	0.51	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.01	
27-Aug	2.38	1.76	2.02	0.73	0.63	0.69	0.07	0.03	0.03	0.04	0.02	0.03	0.03	0.02	0.02	0.66	0.02	0.02	1.02	0.01	0.02	
28-Aug	2.11	1.87	2.00	0.69	0.62	0.66	0.21	0.03	0.03	0.04	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	1.02	0.02	0.03	
29-Aug	2.11	1.79	1.97	0.75	0.62	0.69	1.00	0.00	0.04	1.02	0.00	0.03	1.02	0.00	0.03	1.02	0.01	0.03	0.03	0.02	0.03	
30-Aug	2.15	1.69	1.86	0.88	0.67	0.75	0.11	0.03	0.04	1.01	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	
31-Aug	2.07	1.72	1.92	0.87	0.69	0.75	0.10	0.04	0.04	0.06	0.03	0.03	0.53	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	
1-Sep																						
Average	2.33	1.72	2.01	0.78	0.57	0.67	0.21	0.02	0.04	0.27	0.01	0.03	0.18	0.01	0.03	0.21	0.01	0.03	0.18	0.01	0.03	



Monthly Turbidity Reading Summary Vermilion WTP

1-Sep-2025																					
Month Min	2.08	0.02	1.86	0.65	-0.14	0.60	0.05	-0.24	0.03	0.03	-0.24	0.03	0.03	-0.24	0.02	0.02	-0.24	0.02	0.03	-0.24	0.02
Month Max	4.31	1.91	2.09	2.00	0.72	0.79	0.99	0.04	0.04	1.02	0.03	0.04	1.02	0.03	0.03	1.02	0.02	0.03	1.02	0.03	0.03
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)		
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU
1-Sep	2.18	1.73	1.89	0.76	0.67	0.71	0.09	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.61	0.02	0.03	0.04	0.02	0.03
2-Sep	2.33	1.90	2.06	0.74	0.66	0.69	0.05	0.03	0.03	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.36	0.02	0.03
3-Sep	2.17	1.85	2.02	0.77	0.63	0.70	0.41	0.03	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03
4-Sep	2.26	1.82	2.04	2.00	0.21	0.68	0.06	0.03	0.04	1.00	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.02	0.04	0.02	0.03
5-Sep	2.35	1.91	2.09	0.76	0.65	0.71	0.09	0.03	0.04	0.04	0.03	0.03	0.57	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02
6-Sep	2.26	1.85	2.07	0.77	0.70	0.74	0.07	0.03	0.04	0.04	0.03	0.03	0.05	0.03	0.03	0.61	0.02	0.02	0.03	0.02	0.02
7-Sep	2.24	1.88	2.02	0.78	0.69	0.73	0.06	0.03	0.03	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.90	0.02	0.03
8-Sep	2.35	1.88	2.02	0.79	0.65	0.71	0.34	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03
9-Sep	2.11	1.82	1.96	0.79	0.64	0.72	0.07	0.04	0.04	0.99	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02
10-Sep	2.22	1.88	2.01	0.81	0.69	0.73	0.06	0.03	0.04	0.04	0.03	0.03	0.60	0.03	0.03	0.02	0.02	0.02	0.04	0.02	0.02
11-Sep	2.33	1.85	2.04	0.92	0.72	0.79	0.06	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.50	0.02	0.02	0.03	0.02	0.02
12-Sep	2.38	1.74	1.99	0.81	0.68	0.74	0.07	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.07	0.02	0.02	0.77	0.02	0.03
13-Sep	2.48	1.67	2.01	0.81	0.66	0.72	0.32	0.03	0.03	0.04	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.60	0.02	0.03
14-Sep	2.35	1.89	2.01	0.83	0.64	0.72	0.24	0.03	0.04	1.00	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.04	0.02	0.02
15-Sep	2.43	0.04	2.00	0.77	0.69	0.72	0.07	0.03	0.03	0.06	0.03	0.03	0.52	0.02	0.03	0.02	0.01	0.02	0.03	0.02	0.02
16-Sep	2.26	1.66	1.94	0.79	0.70	0.74	0.05	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.57	0.01	0.02	0.03	0.02	0.02
17-Sep	2.94	1.76	1.96	0.91	0.52	0.62	0.08	0.03	0.03	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.06	0.02	0.02
18-Sep	2.09	1.67	1.86	0.65	0.54	0.60	0.99	0.00	0.03	1.02	0.00	0.03	1.02	0.00	0.03	1.02	0.00	0.03	1.02	0.00	0.03
19-Sep	2.12	1.80	1.91	0.80	0.56	0.67	0.29	0.03	0.03	0.04	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.04	0.03	0.03
20-Sep	2.08	1.70	1.92	0.76	0.59	0.71	0.06	0.03	0.03	1.01	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03
21-Sep	2.11	1.76	1.92	0.79	0.67	0.72	0.05	0.03	0.03	0.04	0.03	0.03	0.50	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02
22-Sep	2.13	1.80	1.90	0.80	0.69	0.73	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.49	0.02	0.02	0.03	0.02	0.03
23-Sep	2.13	1.78	1.90	0.78	0.69	0.73	0.14	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.35	0.02	0.03
24-Sep	4.31	0.02	1.89	0.87	-0.14	0.72	0.10	-0.24	0.03	0.08	-0.24	0.03	0.06	-0.24	0.03	0.05	-0.24	0.03	0.05	-0.24	0.03
25-Sep	2.15	1.70	1.91	0.79	0.58	0.72	0.48	0.03	0.04	0.92	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.04	0.03	0.03
26-Sep	2.18	1.74	1.94	0.78	0.66	0.71	0.06	0.03	0.03	0.04	0.03	0.03	0.80	0.02	0.03	0.03	0.02	0.02	0.04	0.02	0.03
27-Sep	2.31	1.71	1.95	0.79	0.67	0.72	0.07	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.55	0.02	0.03	0.03	0.02	0.03
28-Sep	2.28	1.89	2.01	0.79	0.68	0.73	0.05	0.03	0.03	0.05	0.02	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.44	0.02	0.03
29-Sep	2.22	1.91	2.01	0.80	0.64	0.72	0.30	0.03	0.04	0.04	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.05	0.02	0.03
30-Sep	2.16	1.80	2.02	0.80	0.59	0.72	0.08	0.03	0.03	1.02	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03
1-Oct																					
Average	2.33	1.68	1.98	0.83	0.61	0.71	0.16	0.02	0.03	0.27	0.02	0.03	0.16	0.02	0.03	0.17	0.01	0.02	0.18	0.01	0.03



Monthly Turbidity Reading Summary Vermilion WTP

1-Oct-2025																						
Month Min		2.02	1.60	1.85	0.73	0.20	0.49	0.05	0.01	0.03	0.03	0.00	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.00	0.02
Month Max		3.21	2.18	2.29	2.00	0.68	0.78	0.99	0.04	0.04	1.02	0.03	0.04	0.92	0.03	0.04	1.01	0.02	0.03	1.01	0.03	0.03
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)			
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	
1-Oct	2.06	1.79	1.85	0.73	0.63	0.67	0.05	0.03	0.03	0.04	0.03	0.03	0.62	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03
2-Oct	2.02	1.71	1.91	0.81	0.66	0.71	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.69	0.02	0.03	0.03	0.02	0.03	0.03
3-Oct	2.13	1.73	1.94	0.82	0.63	0.72	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.37	0.02	0.03
4-Oct	2.17	1.75	1.95	0.82	0.63	0.73	0.55	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.04	0.03	0.03
5-Oct	2.23	1.78	1.98	0.78	0.62	0.70	0.12	0.04	0.04	1.02	0.02	0.03	0.04	0.02	0.03	0.04	0.02	0.03	0.04	0.02	0.03	0.03
6-Oct	2.27	1.77	1.99	0.96	0.45	0.70	0.07	0.03	0.04	0.04	0.03	0.03	0.52	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	0.03
7-Oct	2.17	1.67	1.98	0.83	0.20	0.57	0.05	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.54	0.02	0.03	0.03	0.03	0.03	0.03
8-Oct	2.35	1.77	2.00	0.77	0.55	0.69	0.07	0.03	0.03	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	1.01	0.02	0.03	0.03
9-Oct	2.21	1.78	1.96	2.00	0.20	0.69	0.64	0.03	0.04	0.05	0.03	0.03	0.04	0.02	0.03	0.03	0.02	0.03	0.04	0.03	0.03	0.03
10-Oct	2.26	1.68	1.92	0.89	0.59	0.72	0.07	0.03	0.04	0.97	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.04	0.02	0.03	0.03
11-Oct	2.20	1.82	1.97	0.79	0.66	0.73	0.05	0.03	0.04	0.08	0.03	0.03	0.53	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.03
12-Oct	2.24	1.84	2.00	0.78	0.65	0.70	0.05	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.98	0.02	0.03	0.04	0.02	0.03	0.03
13-Oct	2.14	1.81	1.95	0.79	0.68	0.74	0.06	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.46	0.02	0.03	0.03
14-Oct	2.15	1.75	1.94	0.84	0.62	0.73	0.40	0.03	0.04	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.04	0.02	0.03	0.03
15-Oct	2.24	1.65	1.90	0.89	0.62	0.73	0.09	0.04	0.04	1.00	0.03	0.04	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.03
16-Oct	2.25	1.86	2.00	0.84	0.63	0.74	0.05	0.03	0.04	0.04	0.03	0.03	0.54	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.03
17-Oct	2.21	1.76	2.01	0.83	0.59	0.72	0.05	0.03	0.04	0.06	0.03	0.03	0.03	0.03	0.03	0.55	0.02	0.02	0.04	0.02	0.03	0.03
18-Oct	2.13	1.71	1.92	1.67	0.28	0.67	0.05	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03
19-Oct	2.29	1.76	1.92	2.00	0.20	0.49	0.38	0.03	0.04	0.05	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.30	0.02	0.03	0.03
20-Oct	2.30	1.73	1.94	1.96	0.20	0.49	0.14	0.04	0.04	0.04	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.03
21-Oct	2.58	1.81	2.12	0.99	0.55	0.72	0.07	0.04	0.04	1.02	0.03	0.04	0.04	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.03
22-Oct	2.59	1.87	2.23	0.81	0.53	0.65	0.05	0.03	0.04	0.05	0.03	0.03	0.48	0.02	0.03	0.57	0.02	0.02	0.03	0.02	0.03	0.02
23-Oct	2.40	1.74	2.10	0.77	0.48	0.63	0.07	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.04	0.02	0.02	0.46	0.02	0.03	0.03
24-Oct	2.32	1.89	2.16	0.77	0.57	0.70	0.46	0.03	0.04	0.05	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.03
25-Oct	2.45	1.93	2.18	0.88	0.59	0.71	0.05	0.03	0.04	1.02	0.03	0.04	0.05	0.02	0.02	0.02	0.01	0.02	0.03	0.02	0.03	0.02
26-Oct	2.40	1.96	2.17	0.85	0.63	0.72	0.05	0.03	0.04	0.09	0.03	0.03	0.55	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.02
27-Oct	2.59	1.60	2.09	0.89	0.65	0.76	0.10	0.03	0.03	0.05	0.03	0.03	0.03	0.02	0.02	0.66	0.01	0.02	0.02	0.01	0.02	0.02
28-Oct	2.51	1.69	2.08	0.99	0.36	0.78	0.05	0.03	0.03	0.05	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.46	0.01	0.02	0.02
29-Oct	2.29	1.71	2.16	0.84	0.56	0.74	0.47	0.03	0.04	0.05	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.02
30-Oct	2.44	1.90	2.07	0.87	0.55	0.69	0.09	0.03	0.04	1.02	0.02	0.03	0.04	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.02
31-Oct	3.21	2.18	2.29	0.85	0.67	0.74	0.99	0.01	0.04	1.02	0.00	0.03	0.92	0.02	0.04	1.01	0.01	0.02	0.97	0.00	0.03	0.03
1-Nov																						
Average	2.32	1.79	2.02	0.98	0.53	0.69	0.18	0.03	0.04	0.27	0.03	0.03	0.16	0.02	0.03	0.18	0.02	0.02	0.15	0.02	0.03	0.03



Monthly Turbidity Reading Summary Vermilion WTP

1-Nov-2025																					
Month Min	2.09	0.13	1.89	0.65	-0.04	0.51	0.03	0.00	0.03	0.03	0.01	0.03	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02
Month Max	3.14	2.21	2.51	2.00	0.78	0.85	1.01	0.04	0.05	1.02	0.04	0.05	0.93	0.03	0.05	1.02	0.03	0.03	0.99	0.07	0.07
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)		
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU
1-Nov	2.52	1.74	2.18	0.88	0.73	0.80	0.12	0.03	0.04	0.05	0.03	0.03	0.05	0.03	0.04	1.02	0.02	0.03	0.03	0.03	0.03
2-Nov	2.35	2.06	2.23	0.87	0.72	0.79	0.06	0.03	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.78	0.03	0.03	0.73	0.03	0.03
3-Nov	2.53	1.96	2.11	0.82	0.57	0.73	0.38	0.03	0.04	0.06	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.04
4-Nov	2.39	2.09	2.25	0.78	0.66	0.73	0.07	0.04	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
5-Nov	2.94	2.18	2.51	0.92	0.55	0.79	0.15	0.03	0.04	1.02	0.03	0.04	0.84	0.03	0.04	0.03	0.02	0.03	0.03	0.03	0.03
6-Nov	2.78	2.21	2.38	0.82	0.63	0.69	0.06	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.89	0.02	0.03	0.04	0.03	0.03
7-Nov	2.46	1.89	2.18	2.00	-0.04	0.70	0.21	0.03	0.03	0.05	0.03	0.03	0.05	0.03	0.04	0.03	0.02	0.03	0.47	0.03	0.04
8-Nov	3.14	2.08	2.34	0.82	0.45	0.58	1.01	0.00	0.05	0.05	0.03	0.03	0.04	0.03	0.03	0.06	0.02	0.03	0.04	0.03	0.03
9-Nov	2.63	1.89	2.21	0.67	0.48	0.59	0.07	0.04	0.05	1.02	0.03	0.04	0.09	0.03	0.04	0.03	0.02	0.03	0.04	0.03	0.03
10-Nov	2.48	1.66	2.14	0.70	0.56	0.61	0.09	0.04	0.04	0.05	0.04	0.04	0.93	0.03	0.05	0.04	0.02	0.02	0.03	0.02	0.03
11-Nov	2.39	2.00	2.13	0.70	0.57	0.62	0.06	0.04	0.04	0.05	0.04	0.04	0.05	0.03	0.04	0.90	0.02	0.03	0.04	0.02	0.03
12-Nov	2.48	0.13	2.00	0.82	0.22	0.59	0.18	0.04	0.04	0.05	0.03	0.04	0.04	0.03	0.04	0.03	0.02	0.03	0.85	0.02	0.04
13-Nov	2.45	1.71	1.91	0.69	0.55	0.62	0.47	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03
14-Nov	2.44	1.63	2.03	0.65	0.20	0.51	0.08	0.04	0.04	1.02	0.03	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03
15-Nov	2.28	1.87	2.03	0.80	0.45	0.70	0.06	0.04	0.04	0.06	0.03	0.04	0.57	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.02
16-Nov	2.20	1.93	2.03	0.79	0.71	0.76	0.09	0.04	0.04	0.04	0.03	0.04	0.04	0.03	0.04	0.95	0.02	0.03	0.03	0.02	0.02
17-Nov	2.40	1.98	2.07	0.81	0.74	0.77	0.07	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.02	0.02	0.54	0.02	0.03
18-Nov	2.29	1.76	2.03	0.81	0.63	0.76	0.28	0.03	0.04	0.05	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03
19-Nov	2.16	1.87	2.02	0.89	0.73	0.80	0.06	0.04	0.04	1.02	0.03	0.04	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02
20-Nov	2.23	1.93	2.02	0.83	0.70	0.77	0.06	0.03	0.04	0.06	0.03	0.03	0.65	0.02	0.03	0.03	0.03	0.02	0.02	0.03	0.02
21-Nov	2.38	1.92	2.02	0.77	0.69	0.73	0.05	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.99	0.02	0.03	0.03	0.02	0.02
22-Nov	2.33	1.80	2.04	0.80	0.72	0.75	0.06	0.03	0.04	0.03	0.02	0.03	0.06	0.03	0.03	0.03	0.02	0.02	0.82	0.02	0.03
23-Nov	2.13	1.69	1.96	0.78	0.68	0.74	0.81	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02
24-Nov	2.40	1.80	1.94	0.83	0.71	0.75	0.06	0.03	0.04	0.34	0.02	0.03	0.04	0.02	0.03	0.03	0.01	0.02	0.04	0.02	0.02
25-Nov	2.33	1.82	2.00	0.77	0.70	0.74	0.05	0.03	0.03	0.04	0.03	0.03	0.53	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.02
26-Nov	2.37	1.30	2.17	0.81	0.72	0.75	0.89	0.03	0.03	1.01	0.01	0.03	0.84	0.03	0.03	1.02	0.02	0.03	0.99	0.01	0.03
27-Nov	2.25	1.89	2.06	0.83	0.74	0.79	0.04	0.02	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.99	0.03	0.05
28-Nov	2.42	1.78	1.95	0.94	0.69	0.80	0.84	0.02	0.03	1.02	0.03	0.05	0.06	0.03	0.03	0.03	0.02	0.02	0.07	0.04	0.06
29-Nov	2.18	1.76	1.89	0.93	0.78	0.85	0.04	0.03	0.03	1.02	0.04	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.08	0.03	0.06
30-Nov	2.09	1.82	1.93	0.85	0.70	0.77	0.03	0.03	0.03	0.06	0.04	0.05	0.39	0.02	0.03	0.03	0.02	0.02	0.93	0.07	0.07
1-Dec																					
Average	2.41	1.81	2.09	0.85	0.60	0.72	0.22	0.03	0.04	0.28	0.03	0.04	0.19	0.03	0.03	0.24	0.02	0.03	0.24	0.02	0.03



Monthly Turbidity Reading Summary Vermilion WTP

1-Dec-2025																					
Month Min	2.06	1.54	1.84	0.20	0.20	0.20	0.02	0.00	0.02	0.03	0.00	0.02	0.03	0.00	0.02	0.02	0.00	0.02	0.02	-0.25	0.01
Month Max	2.53	2.09	2.25	1.99	0.72	0.74	0.99	0.03	0.03	1.02	0.05	0.06	1.02	0.03	0.04	1.02	0.02	0.03	1.02	0.07	0.18
Date	Chlorine Residual (AI-85)			Fluoride Residual (HFS-Master)			Filter #A Turbidity (AI-98582)			Filter #B Turbidity (AI-98577)			Filter #C Turbidity (AI-98576)			Filter #D Turbidity (AI-98580)			Filter #E Turbidity (AI-98581)		
	Maximum ppm	Minimum ppm	Average ppm	Maximum ppm	Minimum ppm	Average ppm	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU	Maximum NTU	Minimum NTU	Average NTU
1-Dec	2.19	1.67	1.87	0.78	0.70	0.74	0.04	0.03	0.03	0.06	0.05	0.06	0.03	0.03	0.03	0.83	0.02	0.03	0.08	0.07	0.07
2-Dec	2.14	1.78	1.89	0.78	0.72	0.74	0.04	0.03	0.03	0.06	0.03	0.05	0.03	0.02	0.03	0.03	0.02	0.03	0.55	0.06	0.07
3-Dec	2.11	1.54	1.84	1.99	0.20	0.73	0.89	0.03	0.03	0.07	0.03	0.04	0.03	0.02	0.03	0.03	0.02	0.03	1.02	-0.25	0.18
4-Dec	2.52	1.69	1.89	0.86	0.53	0.65	0.05	0.03	0.03	1.02	0.03	0.04	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.03
5-Dec	2.42	1.89	2.05	0.74	0.58	0.63	0.04	0.03	0.03	0.04	0.04	0.04	0.55	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02
6-Dec	2.40	1.89	2.03	0.79	0.60	0.67	0.03	0.02	0.03	0.05	0.04	0.04	0.03	0.02	0.03	0.97	0.02	0.03	0.03	0.02	0.02
7-Dec	2.43	1.92	2.05	0.77	0.20	0.65	0.03	0.02	0.02	0.04	0.04	0.04	0.03	0.02	0.03	0.03	0.02	0.02	0.90	0.02	0.03
8-Dec	2.35	1.74	2.00	0.20	0.20	0.20	0.73	0.02	0.03	0.04	0.03	0.04	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02
9-Dec	2.06	1.75	1.94	0.20	0.20	0.20	0.05	0.02	0.02	0.04	0.03	0.03	0.07	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02
10-Dec	2.21	1.74	1.91	0.20	0.20	0.20	0.03	0.02	0.02	1.02	0.02	0.04	0.56	0.02	0.03	0.02	0.01	0.02	0.02	0.02	0.02
11-Dec	2.29	1.75	1.93	0.20	0.20	0.20	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	1.02	0.01	0.02	0.02	0.01	0.02
12-Dec	2.32	1.85	1.96	0.20	0.20	0.20	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.02	0.91	0.02	0.03
13-Dec	2.38	1.56	1.93	0.20	0.20	0.20	0.71	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02
14-Dec	2.44	1.95	2.06	0.20	0.20	0.20	0.03	0.02	0.02	1.02	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02
15-Dec	2.16	1.86	2.01	0.20	0.20	0.20	0.02	0.02	0.02	0.04	0.02	0.03	0.54	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02
16-Dec	2.20	1.93	2.07	0.20	0.20	0.20	0.02	0.02	0.02	0.04	0.03	0.04	0.03	0.02	0.03	0.92	0.02	0.02	0.02	0.01	0.02
17-Dec	2.40	1.89	2.07	0.20	0.20	0.20	0.02	0.02	0.02	0.05	0.03	0.04	0.03	0.02	0.03	0.03	0.02	0.02	1.02	0.01	0.02
18-Dec	2.20	1.80	1.99	0.20	0.20	0.20	0.77	0.01	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.02
19-Dec	2.28	1.78	1.95	0.20	0.20	0.20	0.02	0.02	0.02	1.02	0.03	0.04	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.01
20-Dec	2.33	1.85	1.97	0.20	0.20	0.20	0.02	0.02	0.02	0.04	0.03	0.04	0.68	0.02	0.03	0.02	0.01	0.02	0.04	0.01	0.01
21-Dec	2.40	1.91	2.04	0.20	0.20	0.20	0.02	0.02	0.02	0.04	0.04	0.04	0.03	0.03	0.03	1.01	0.01	0.02	0.02	0.01	0.02
22-Dec	2.44	1.94	2.10	0.20	0.20	0.20	0.02	0.02	0.02	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.91	0.01	0.02
23-Dec	2.53	2.09	2.25	0.20	0.20	0.20	0.81	0.02	0.02	0.04	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
24-Dec	2.24	1.83	2.08	0.20	0.20	0.20	0.05	0.02	0.02	1.02	0.02	0.04	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02
25-Dec	2.38	1.87	2.02	0.20	0.20	0.20	0.03	0.02	0.02	0.03	0.03	0.03	0.54	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02
26-Dec	2.42	2.00	2.13	0.20	0.20	0.20	0.03	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.03	1.02	0.01	0.03	0.03	0.01	0.02
27-Dec	2.44	2.00	2.13	0.20	0.20	0.20	0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	1.02	0.00	0.02
28-Dec	2.42	1.87	2.03	0.20	0.20	0.20	0.94	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.02
29-Dec	2.49	1.55	2.03	0.20	0.20	0.20	0.04	0.02	0.03	1.02	0.02	0.03	0.03	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.02
30-Dec	2.31	1.91	2.11	0.20	0.20	0.20	0.99	0.00	0.03	1.02	0.00	0.04	1.02	0.00	0.04	1.02	0.00	0.02	1.02	0.00	0.02
31-Dec	2.45	1.87	2.03	0.20	0.20	0.20	0.04	0.03	0.03	0.06	0.03	0.04	0.04	0.03	0.03	1.02	0.02	0.03	0.03	0.02	0.02
1-Jan																					
Average	2.33	1.83	2.01	0.37	0.27	0.31	0.21	0.02	0.02	0.26	0.03	0.04	0.15	0.02	0.03	0.27	0.02	0.02	0.26	0.01	0.03