

DRINKING WATER SYSTEM ANNUAL REPORT**Reporting Period:** January 1st to December 31st, 2025 (year)**Water System** Harrison Highlands Water System**Water System Owner** District of Kent**Primary Contact Name (Operator or Manager)** Steven Nuttall**Phone Number (Operator or Manager)** 604-796-9145**E-mail (Operator or Manager)** snuttall@kentbc.ca**DESCRIBE YOUR WATER SUPPLY SYSTEM*****What is the Source(s) of Raw Water?***☒ Deep Well ☐ Shallow Well ☐ Surface Water ☐ Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection?☐ Yes ☒ No☐ Chlorination ☐ Ultraviolet Light ☐ Ozone ☐ Other

If other, specify details:

Does the Drinking Water System have Secondary Disinfection?☐ Yes ☒ No☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration?☒ Yes ☐ No

Check all boxes that apply

☐ Cartridge Filter(s) ☐ Carbon Filter ☐ Sand Filtration ☐ Reverse Osmosis ☒ Other

If other, specify details: membrane, Iron and manganese removal

PUBLIC REPORTING**Emergency Response & Contingency Plan (ERCP)*****Is your ERCP up to Date?*** ☒ Yes ☐ No***How do you Inform the System Users of the ERCP?***☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website☒ Other (specify details) Municipal Hall Binder**Drinking Water System Annual Report*****How do you Inform the System Users of the Annual Report?***☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☒ Website☒ Other (specify details) Municipal Hall Binder

COMPLIANCE WITH OPERATING PERMIT

List the conditions that have been placed on your Operating Permit (if you have conditions, these will be stated on your permit):

Are you in compliance with the conditions listed on your Operating Permit? ☒ Yes ☐ No ☐ N/A

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period? 46

What is the minimum required sampling frequency for this system? (#samples/month) 4

Additional sampling details:

Was the minimum required sampling frequency achieved? ☒ Yes ☐ No

Comments:

Bacteriological summary attached to this report? ☒ Yes ☐ No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	Standard:	Did this system meet standard?	
Escherichia coli (for all samples)	No detectable <i>Escherichia coli</i> per 100ml	☒ Yes	☐ No
Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	No detectable total coliform bacteria per 100ml	☒ Yes	☐ No
Total Coliform Bacteria (if more than 1 sample collected in a 30 day period)	No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml	☒ Yes	☐ No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? ☒ Yes ☐ No

If no, when were the last chemical samples conducted for this system?

(date) ☐ Don't Know ☐ Never

If yes, did all water samples meet the Guidelines for Canadian Drinking Water Quality?

☐ Yes ☒ No

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Parameter	Result	Corrective Action / Treatment / Comments
pH	6.5	No action taken

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? ☒ Yes ☐ No

If yes, check all boxes that apply:

☐ Chlorine ☒ Turbidity ☒ Other (details) pH, Temp

Are the results available on request? Yes

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) ☐ Yes ☒ No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action / Treatment

OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.).

☐ Yes☒ No

If yes, complete the table below; attach additional sheets if necessary.

Incident Date	Type of Operational Problem	Corrective Action Taken

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period?

☐ Yes☒ No

If yes, complete the table below; attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements?

☐ Yes☒ No

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion

DATE COMPLETED: 27-Apr-2026

COMPLETED BY: Steve Nuttall

February 4, 2026

Water System Operators

Re: Metals in Drinking Water – “Flush” Message in Annual Reports

Anytime the water in a particular faucet has not been used for six hours or longer, "flush" your cold-water pipes by running the water until you notice a change in temperature. *(This could take as little as five to thirty seconds if there has been recent heavy water use such as showering or toilet flushing. Otherwise, it could take two minutes or longer.)* The more time water has been sitting in your home's pipes, the more lead it may contain.

Use only water from the cold tap for drinking, cooking, and especially making baby formula. Hot water is likely to contain higher levels of lead.

The two actions recommended above are very important to the health of your family. They will probably be effective in reducing lead levels because most of the lead in household water usually comes from the plumbing in your house, not from the local water supply.

Conserving water is still important. Rather than just running the water down the drain you could use the water for things such as watering your plants.

If you have any questions, please contact our Drinking Water Program at 604-870-7903 or 604-870-7900.

Sincerely,

Emily McGuire
Manager, Drinking Water Program
Fraser Health Authority
HPLand@fraserhealth.ca

Sample Range Report

Fraser Health Authority

Facility Name: Harrison Highlands Water System

Date Range: Jan 1 2025 to Dec 31 2025

Operator Steve Nuttall
PO Box 70
Agassiz, BC V0M 1A0

Sampling Site	Date Collected	Total Coliform	E. Coli	Fecal Coliform
<u>Reservoir, 1849</u>				
<u>Lougheed Hwy</u>				
	1-7-2025 10:35:00 AM	LT1	LT1	
	1-28-2025 11:55:00 AM	LT1	LT1	
	2-11-2025 10:05:00 AM	LT1	LT1	
	3-3-2025 11:35:00 AM	LT1	LT1	
	3-25-2025 11:15:00 AM	LT1	LT1	
	4-15-2025 10:40:00 AM	LT1	LT1	
	4-22-2025 9:50:00 AM	LT1	LT1	
	5-12-2025 11:20:00 AM	LT1	LT1	
	5-20-2025 10:05:00 AM	LT1	LT1	
	5-26-2025 9:50:00 AM	LT1	LT1	
	6-16-2025 10:45:00 AM	LT1	LT1	
	6-24-2025 12:05:00 PM	LT1	LT1	
	7-21-2025 11:05:00 AM	LT1	LT1	
	8-11-2025 12:20:00 PM	LT1	LT1	
	8-18-2025 10:55:00 AM	LT1	LT1	
	9-8-2025 9:30:00 AM	LT1	LT1	
	9-15-2025 10:20:00 AM	LT1	LT1	
	9-22-2025 10:50:00 AM	LT1	LT1	
	10-20-2025 11:20:00 AM	LT1	LT1	
	10-27-2025 11:20:00 AM	LT1	LT1	

11-24-2025 10:45:00 AM	LT1	LT1	
12-2-2025 11:15:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	0	0	0

Woodside Blvd 1,
1849 Lougheed Hwy

1-14-2025 10:25:00 AM	LT1	LT1	
2-18-2025 12:15:00 PM	LT1	LT1	
3-10-2025 9:35:00 AM	LT1	LT1	
3-31-2025 11:25:00 AM	LT1	LT1	
4-28-2025 11:20:00 AM	LT1	LT1	
6-2-2025 11:10:00 AM	LT1	LT1	
7-8-2025 10:30:00 AM	LT1	LT1	
7-28-2025 10:55:00 AM	LT1	LT1	
8-25-2025 10:45:00 AM	LT1	LT1	
10-6-2025 11:15:00 AM	LT1	LT1	
11-3-2025 10:35:00 AM	LT1	LT1	
12-9-2025 10:45:00 AM	<u>LT1</u>	<u>LT1</u>	
Total Positive:	0	0	0

Woodside Blvd 2,
1849 Lougheed Hwy

1-20-2025 10:50:00 AM	LT1	LT1
2-25-2025 12:00:00 PM	LT1	LT1
3-18-2025 9:50:00 AM	LT1	LT1
4-7-2025 10:25:00 AM	LT1	LT1
5-5-2025 11:10:00 AM	LT1	LT1
6-10-2025 10:20:00 AM	LT1	LT1
7-14-2025 10:45:00 AM	LT1	LT1
8-5-2025 10:25:00 AM	LT1	LT1
9-2-2025 11:00:00 AM	LT1	LT1

10-14-2025 11:15:00 AM	LT1	LT1
11-18-2025 10:50:00 AM	LT1	LT1
12-15-2025 10:55:00 AM	<u>LT1</u>	<u>LT1</u>

Total Positive:	0	0	0
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Result Values:	E - estimated	L - less than	G - greater than
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Samples that contain total coliform:	0	0.00% of total
Samples that contain e. coli:	0	0.00% of total
Samples that contain fecal coliform:	0	0.00% of total
Number of consecutive samples that contain total coliform:	0	
Number of samples that contain total coliform in last 30 days:	0/0	
Total number of samples:	46	

Comments:



Environmental Health Officer

Feb 2 2026

FOR FURTHER INFORMATION PLEASE CALL: Barb Haworth



Element
#104, 19575-55 A Ave,
Surrey, British Columbia
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Report Transmission Cover Page

Bill To: District of Kent Waste Water Box 70 1088 Tramner Road Agassiz, BC, Canada V0M 1A0	Project ID: Project Name: Project Location: Harrison Highlands Water System LSD: P.O.: 28126 Proj. Acct. code:	Lot ID: 1822473 Control Number: Date Received: Jun 18, 2025 Date Reported: Jun 24, 2025 Report Number: 3149762 Report Type: Final Report
Attn: Accounts Payable		
Sampled By:		
Company:		

Contact	Company	Address
Accounts Payable	District of Kent Waste Water	Box 70, 1088 Tramner Road Agassiz, BC V0M 1A0 Phone: (604) 796-9145 Fax: (604) 796-9124 Email: accounting@kentbc.ca
<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>
Email	PDF	Invoice
Contact	District of Kent Waste Water	P. O. Box 70, 1088 Tramner Road Agassiz, BC V1M 1A0 Phone: (604) 796-9145 Fax: (604) 796-9124 Email: rmcinroy@kentbc.ca
<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>
Email - Merge	PDF	COC / Test Report
Daniel Gaudet	District of Kent Waste Water	Agassiz, BC Phone: (604) 796-9124 Fax: Email: Dgaudet@kentbc.ca
<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>
Email	PDF	COA
Email	PDF	COR
Email - Merge	PDF	COC / Test Report
Steve Nuttall	District of Kent Waste Water	P. O. Box 70, 1088 Tramner Road Agassiz, BC V1M 1A0 Phone: (604) 796-9145 Fax: (604) 796-9124 Email: snuttall@kentbc.ca
<u>Delivery</u>	<u>Format</u>	<u>Deliverables</u>
Email	PDF	COA
Email - Merge	PDF	COC / Test Report

Notes To Clients:

- Sample 1822473-1; 10008116: The analysis of water sample 1822473-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the March 2025 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

Bill To: District of Kent Waste Water Box 70 1088 Tramner Road Agassiz, BC, Canada V0M 1A0	Project ID: Project Name: Project Location: Harrison Highlands Water System LSD: P.O.: 28126 Proj. Acct. code:	Lot ID: 1822473 Control Number: Date Received: Jun 18, 2025 Date Reported: Jun 24, 2025 Report Number: 3149762 Report Type: Final Report
Attn: Accounts Payable Sampled By: Company:		

Reference Number	1822473-1
Sample Date	June 18, 2025
Sample Time	09:15
Sample Location	
Sample Description	Harrison Highlands Reservoir / 9.3 °C
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal DL	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	0.002	0.001	0.1 OG, 2.9 MAC	Below OG
Antimony	Extractable	mg/L	<0.00002	0.00002	0.006	Below MAC
Arsenic	Extractable	mg/L	<0.0001	0.0001	0.010	Below MAC
Barium	Extractable	mg/L	0.0005	0.0001	2.0	Below MAC
Boron	Extractable	mg/L	0.008	0.002	5	Below MAC
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.007	Below MAC
Chromium	Extractable	mg/L	<0.00005	0.00005	0.05	Below MAC
Copper	Extractable	mg/L	0.013	0.0005	1 AO, 2 MAC	Below AO
Lead	Extractable	mg/L	0.0011	0.00001	0.005	Below MAC
Selenium	Extractable	mg/L	<0.0002	0.0002	0.05	Below MAC
Strontium	Extractable	mg/L	0.018	0.0001	7.0	Below MAC
Uranium	Extractable	mg/L	<0.00001	0.00001	0.02	Below MAC
Vanadium	Extractable	mg/L	<0.00005	0.00005		
Zinc	Extractable	mg/L	0.013	0.0005	5.0	Below AO
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Physical and Aggregate Properties						
Colour	True	Colour units	<5	5		
Turbidity		NTU	0.15	0.1		
Routine Water						
pH			6.65	0.01	7.0-10.5	Below Recommended Range
pH - Holding Time			Exceeded			
Temp. of observed pH		°C	24.7			
Electrical Conductivity	at 25 °C	µS/cm	47	1		
Calcium	Extractable	mg/L	6.3	0.01		
Iron	Extractable	mg/L	<0.004	0.004	0.1	Below AO
Magnesium	Extractable	mg/L	0.11	0.02		
Manganese	Extractable	mg/L	<0.001	0.001	0.02 AO, 0.12 MAC	Below AO
Potassium	Extractable	mg/L	0.13	0.04		
Silicon	Extractable	mg/L	3.0	0.005		
Sodium	Extractable	mg/L	2.1	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	11	5		
Chloride	Dissolved	mg/L	3.73	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.03	0.01	1.5	Below MAC

Analytical Report

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Attn: Accounts Payable Sampled By: Company:		

Reference Number	1822473-1
Sample Date	June 18, 2025
Sample Time	09:15
Sample Location	
Sample Description	Harrison Highlands Reservoir / 9.3 °C
Sample Matrix	Drinking Water

		Sample Matrix	Drinking Water			
Analyte		Units	Result	Nominal DL	Guideline Limit	Guideline Comments
Routine Water - Continued						
Nitrate - N	Dissolved	mg/L	<0.01	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1.0	Below MAC
Sulfate (SO4)	Dissolved	mg/L	3.5	0.1	500	Below AO
Hardness	as CaCO3 (extractable)	mg/L	16	1		
Total Dissolved Solids	Extractable	mg/L	31	1	500	Below AO

Approved by:



Misato Perry, B.Sc Biology
Operations Customer Support

Methodology and Notes

Bill To: District of Kent Waste Water Box 70 1088 Tramner Road Agassiz, BC, Canada V0M 1A0 Attn: Accounts Payable Sampled By: Company:	Project ID: Project Name: Project Location: Harrison Highlands Water System LSD: P.O.: 28126 Proj. Acct. code:	Lot ID: 1822473 Control Number: Date Received: Jun 18, 2025 Date Reported: Jun 24, 2025 Report Number: 3149762 Report Type: Final Report
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Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (BC)	APHA	* Alkalinity - Titration Method, 2320 B	Jun 19, 2025	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* Conductivity, 2510 B	Jun 19, 2025	Element Vancouver
Alk, pH, EC, Turb in water (BC)	APHA	* pH - Electrometric Method, 4500-H+ B	Jun 19, 2025	Element Vancouver
Anions by IEC in water (VAN)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	Jun 19, 2025	Element Vancouver
Metals SemiTrace (Extractable) in water (VAN)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	Jun 19, 2025	Element Vancouver
Total and E-Coli - Colilert - DW (VAN)	APHA	Enzyme Substrate Test, APHA 9223 B	Jun 18, 2025	Element Vancouver
Trace Metals (extractable) in Water (VAN)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	Jun 19, 2025	Element Vancouver
True Color in water (VAN)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	Jun 19, 2025	Element Vancouver
Turbidity - Water (VAN)	APHA	* Turbidity - Nephelometric Method, 2130 B	Jun 19, 2025	Element Vancouver

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, August 2024
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
(does not apply to private groundwater wells).
Refer to Health Canada for complete guidelines at www.hc-sc.gc.ca

Comments:

- Sample 1822473-1; 10008116: The analysis of water sample 1822473-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the March 2025 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

District of Kent Emergency Response and Contingency Plan Summary

The Key parts to the District of Kent's water system Emergency Response Plan are:

1. A description of the existing water supplies and distribution systems.
2. An up-to-date list of contacts with contact information.
3. Procedures for responding to and recovering from emergency situations to bring the system into normal operations.
4. To provide communication and notification to the public.
5. Provide disinfection and dechlorination procedure during and after an emergency event.

Emergency response procedures are for emergencies that require actions beyond the scope of normal operating procedures. This plan outlines possible steps to be taken by staff in events such as loss of water source, broken water mains, flooding, etc...