

Val Harbour Subdivision Drinking Water System

Waterworks # 220010690
System Category – Small Municipal Residential

Annual Water Report

Prepared For: The Township of Ramara

Reporting Period of January 1st – December 31st, 2022

Issued: February 24, 2023

Revision: 0

Operating Authority:



This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11 and Schedule 22

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WTRS Submission ConfirmationA

Report Availability

This system does not serve more than 10,000 residence and the annual reports will be available to residents at the Township Of Ramara Administration Office and on the Township’s website at www.ramara.ca. Notification that reports are available free of charge will be made on the Township of Ramara website. The Township of Ramara Administration Office is located at 2297 Highway 12, Brechin, ON L0K 1B0.

Compliance Report Card

Drinking Water System Number: 220010690
Drinking Water System Name: Val Harbour DWS
Drinking Water System Owner: Township of Ramara
Drinking Water System Category: Small Municipal Residential
Period Being Reported: January 1, 2022 - December 31, 2022

	# of Events	Date	Details
Health & Safety			
Number of Incidents	0		
Drinking Water			
MECP Inspections	1	January 18, 2023	Unannounced – Focused Drinking Water Inspection – Final Inspection Rating not available at time of issuance
AWQI	0		
Number of Non-Compliances	0		
Number of Boil Water Advisories	0		

System Process Description

Raw Source

The Val Harbour DWS is supplied with raw groundwater from three non-GUDI wells: Well # 1, # 2 and # 3R.

Treatment

The treatment system consists of the following:

- Sodium hypochlorite primary disinfection system
- Two (2) below grade reservoir for potable water storage
- A high lift pumping system
- Stand-by propane generator on-site

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Brenntag

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
There were no adverse water quality incidents during the reporting period.						

Non-Compliance

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
There were no non-compliance issues reported during the reporting period.				

Non-Compliance Identified in a Ministry Inspection:

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
There were no non-compliances identified during the Ministry Inspection at the time of issuance.				

Flows

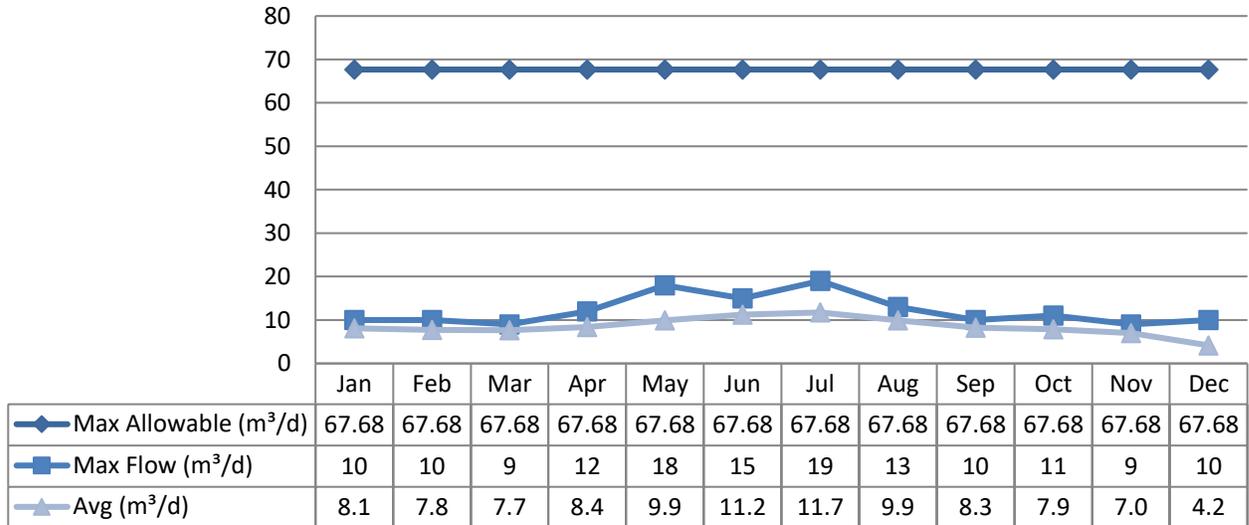
The Val Harbour Drinking Water System is operating on average under half the rated capacity.

Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 2022 Raw Flow Data was submitted to the Ministry electronically under permit P-300-9104539203. The confirmation and a copy of the data that was submitted are attached in Appendix A.

Total Monthly Flows (m³/d)

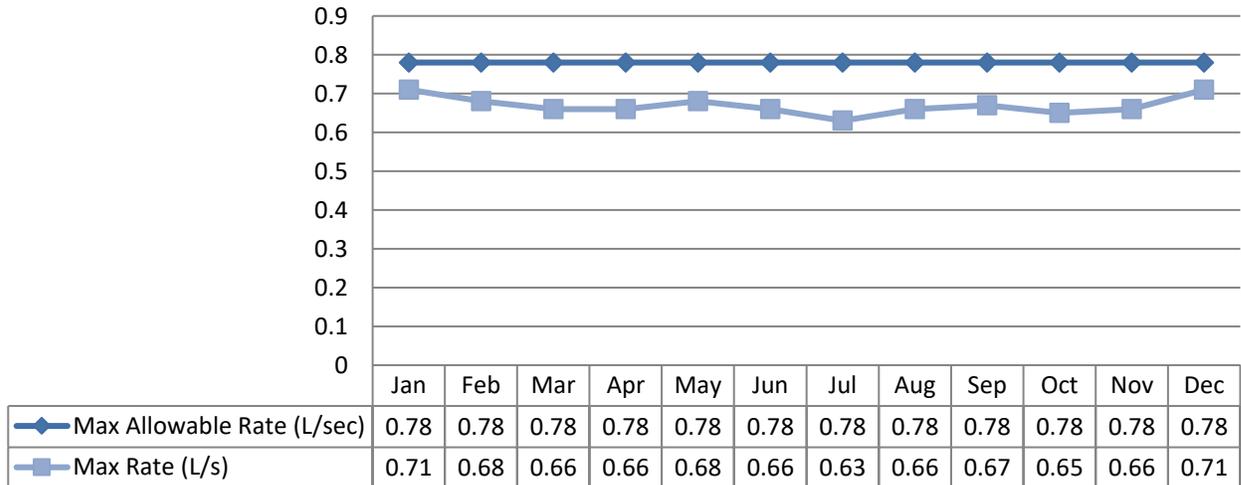
Max Allowable PTTW – Well # 1



Note: Well # 1 was offline December 7-18 due to maintenance.

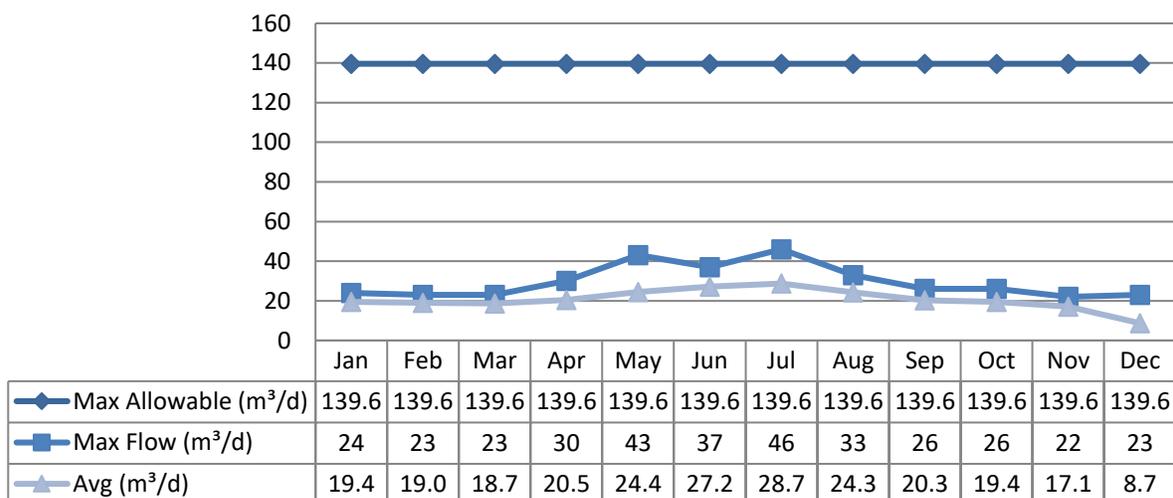
Monthly Rated Flows (L/s)

Max allowable rate – PTTW – Well # 1



Total Monthly Flows (m³/d)

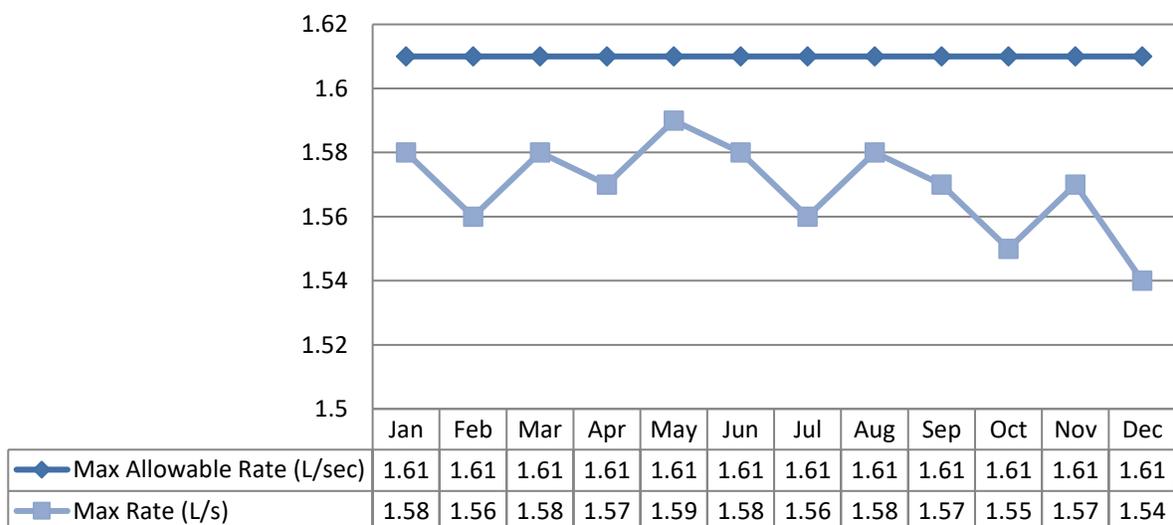
Max Allowable PTTW – Well # 2



Note: Well # 2 was offline December 20-29 due to maintenance.

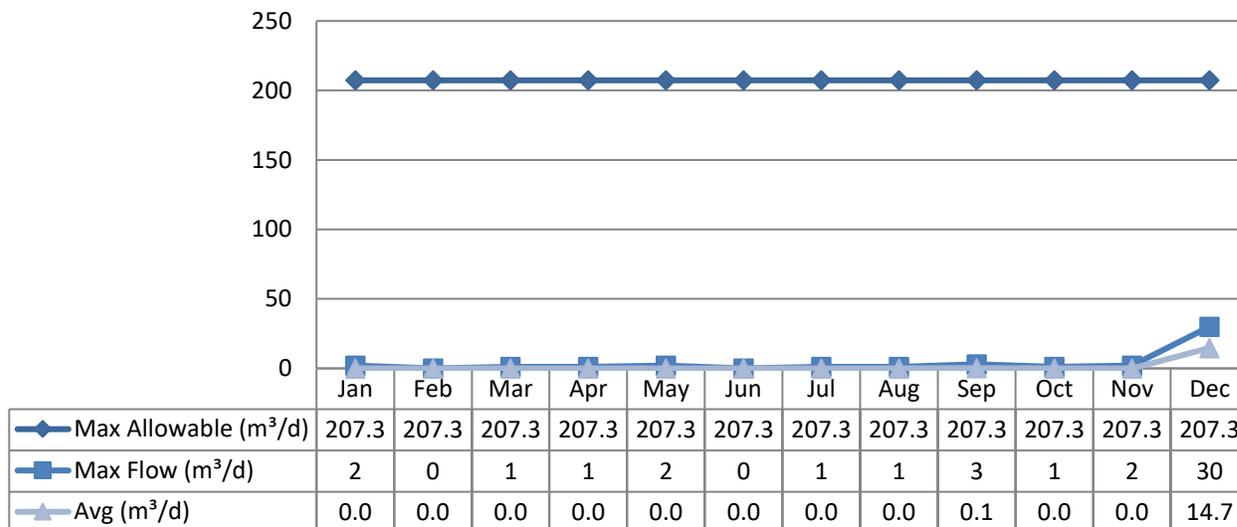
Monthly Rated Flows (L/s)

Max allowable rate – PTTW – Well # 2



Total Monthly Flows (m³/d)

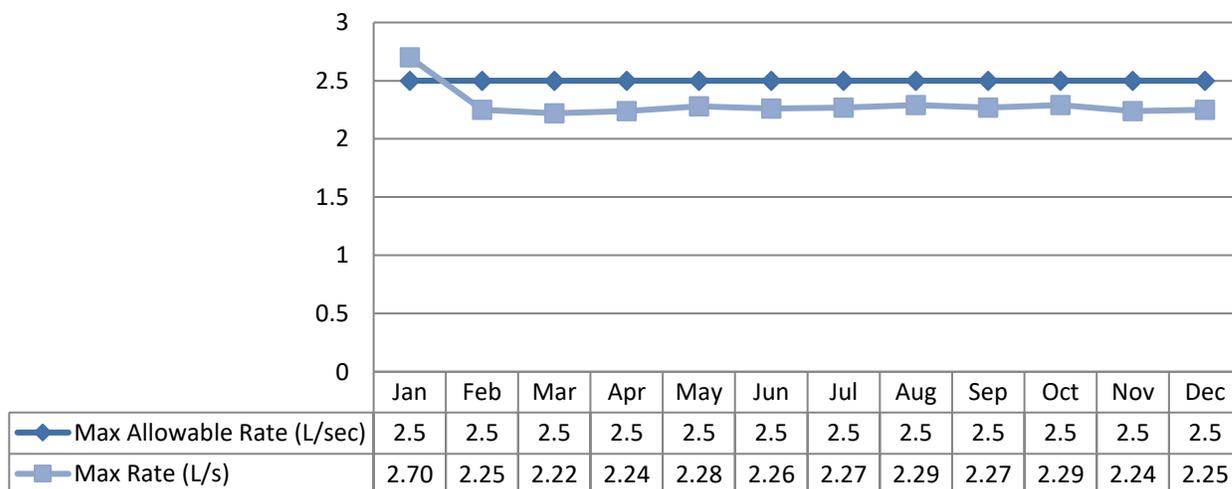
Max Allowable PTTW – Well # 3R



Note: Well # 3R not in production during reporting period other than for sampling purposes and in December 2022 for when Well # 1 and # 2 were offline for maintenance.

Monthly Rated Flows (L/s)

Max allowable rate – PTTW – Well # 3R



Note: Well # 3R not in production during reporting period other than for sampling purposes and in December 2022 for when Well # 1 and Well # 2 were offline for maintenance. The above table shows there was an exceedance in instantaneous peak flow rate (L/s). The spike in January was due to scheduled Flow Meter calibration. All spikes are reviewed for compliance.

Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence. The average water consumption for the Val Harbour Drinking Water System during 2022 was: 34 m³/day.

Val Harbour Drinking Water System Historical Demands

Year	Number of Connections	Average Daily Demand (m ³)	Maximum Daily Demand (m ³ /day)	Rated Capacity	Per Capita Consumption* (L/p/day)	
					Average	Maximum
2012	62	35	84	207	216	521
2013	62	31	79	207	195	491
2014	62	30	82	207	188	509
2015	63	31	63	207	190	385
2016	63	32	74	207	195	452
2017	64	30	64	207	182	385
2018	64	37	89	207	224	536
2019	65	31	55	207	186	325
2020	66	35	81	207	207	479
2021	66	39	80	207	231	473
2022	69	34	71	207	188	396
3 Year Average/Max		36	81	207	209	479

*Based on 2.6 people per dwelling

Note: Excluding pipe leaks/breaks & system flushing

Note: This calculation was completed based on current connections in the system, growth within the drinking water system has not been considered.

System Reserve Capacity

In accordance with the MECP Procedure D-5-1, the reserve capacity is calculated by the following formula:

$$\text{Reserve Capacity} = \text{Design Flow} - \text{Committed Flow}$$

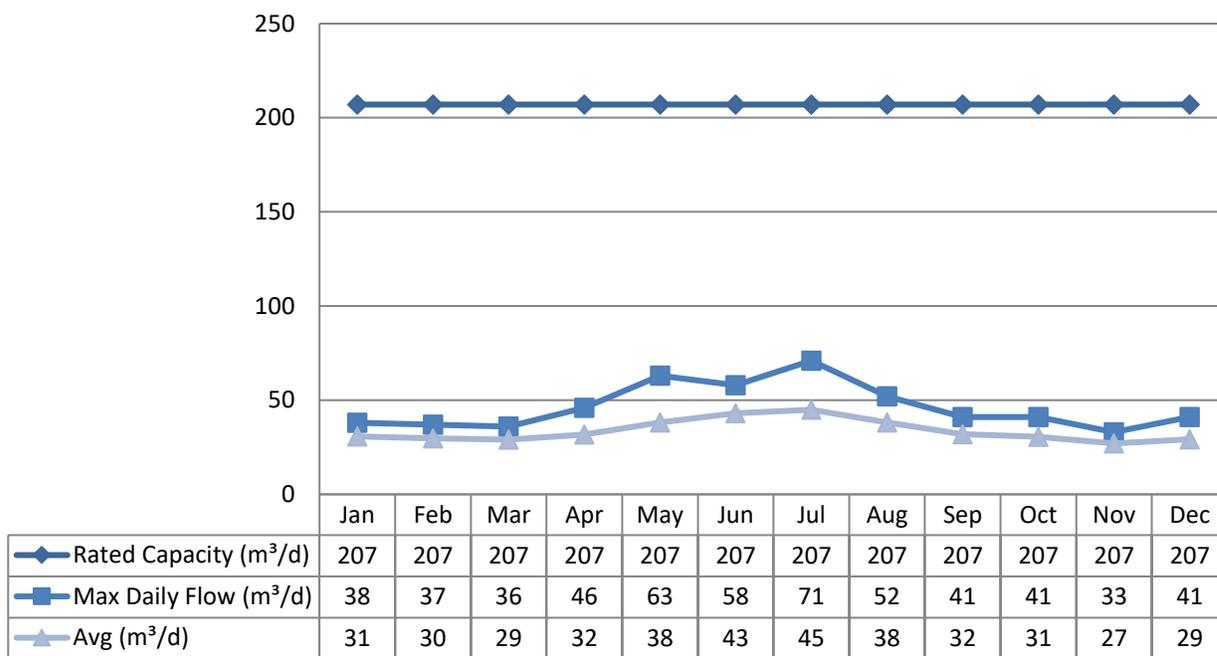
Design flow is the maximum permissible flow approved by the MDWL and/or PTTW. Val Harbour Water Works maximum daily rated capacity is 207 m³/day.

The committed flow is the total expected water demand from the existing and proposed connections based on the previous three years of data. The committed number of service connections is: 74. The three-year (2020-2022) maximum per capita water consumption is: 479 L/p/day. At this water consumption rate, the committed flow is: 92 m³/day.

As a result, the calculated reserve capacity is: 115 m³/day.

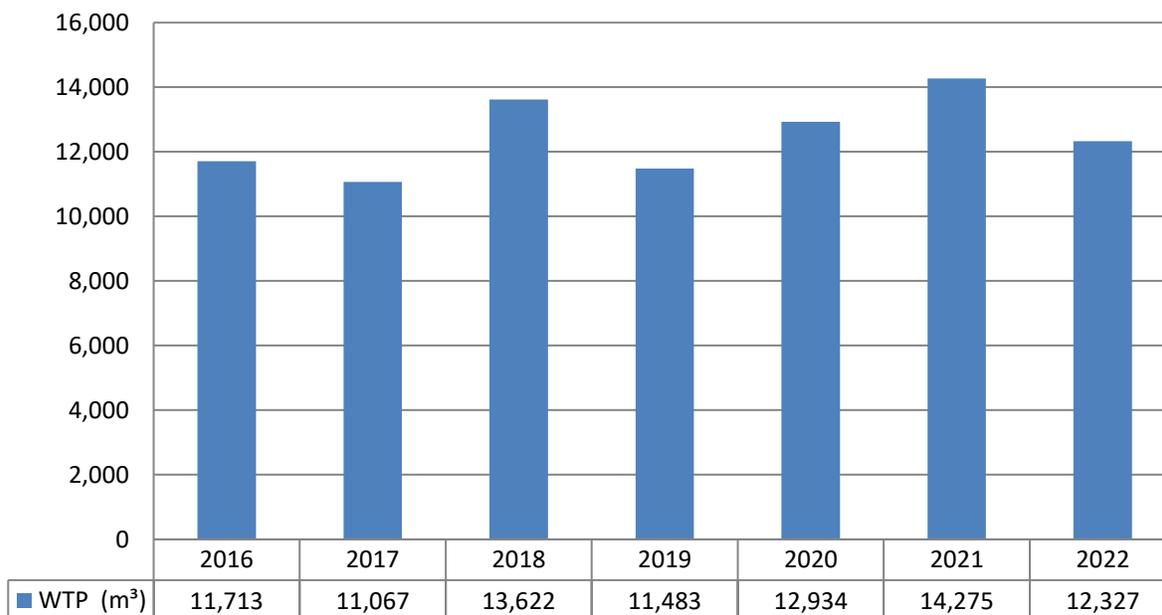
Monthly Rated Flows

Rated Capacity – MDWL



Annual Total Flow Comparison

Total Annual m³



Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E. Coli Results		Range of Total Coliform Results		Range of HPC Results	
		Min	Max	Min	Max	Min	Max
Raw Well 1	14	0	0	0	0		
Raw Well 2	14	0	0	0	0		
Raw Well 3R	12	0	0	0	0		
Distribution	26	0	0	0	0	0	16

Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity Well 1 (NTU)	12	0.08	0.43
Turbidity Well 2 (NTU)	12	0.08	0.32
Turbidity Well 3R (NTU)	12	0.31	1.10
Turbidity – Treated Water (NTU)	8760	0.08	2.08
Treated Water Chlorine	8760	0.10	5.16
Distribution Water Chlorine	109	0.82	1.68
Fluoride (If the DWS provides fluoridation)	N/A	N/A	N/A

Note: Record the unit of measure if it is **not** milligrams per litre.

Note: For continuous monitors 8760 is used as the number of samples. Spikes recorded by on-line instrumentation were a result of air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03.

Note: Well # 3R not in production during reporting period other than for sampling purposes and during December 2022 when Well # 1 and Well # 2 were offline for maintenance.

Inorganic Parameters

These parameters are tested as a requirement under O. Reg. 170/03. Sodium and Fluoride are required to be tested every 5 years. Nitrate and Nitrite are tested quarterly and the metals are tested annually as required under O. Reg. 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Method Detection Limit

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2019/08/21	<MDL 0.09	6.0	No	No
Arsenic: As (ug/L) - TW	2019/08/21	<MDL 0.2	10.0	No	No
Barium: Ba (ug/L) - TW	2019/08/21	129.0	1000.0	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Exceedances	
				MAC	1/2 MAC
Boron: B (ug/L) - TW	2019/08/21	59.0	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2019/08/21	0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2019/08/21	0.12	50.0	No	No
Mercury: Hg (ug/L) - TW	2019/08/21	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2019/08/21	0.07	50.0	No	No
Uranium: U (ug/L) - TW	2019/08/21	0.385	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2022/08/04	0.13	1.5	No	No
Nitrite (mg/L) - TW	2022/02/09	0.003	1.0	No	No
Nitrite (mg/L) - TW	2022/05/03	0.01	1.0	No	No
Nitrite (mg/L) - TW	2022/08/04	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2022/11/07	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2022/02/09	2.28	10.0	No	No
Nitrate (mg/L) - TW	2022/05/03	2.66	10.0	No	No
Nitrate (mg/L) - TW	2022/08/04	1.77	10.0	No	No
Nitrate (mg/L) - TW	2022/11/07	1.87	10.0	No	No
Sodium: Na (mg/L) - TW	2020/08/12	26.0	20*	Yes	Yes
Sodium: Na (mg/L) - TW	2020/08/24	21.4	20*	Yes	Yes

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Schedule 15 Sampling:

The Schedule 15 Sampling is required under O. Reg. 170/03. This system is under reduced sampling. No plumbing samples were collected.

Distribution System	Number of Samples	Range of Results Minimum	Range of Results Maximum	MAC (ug/L)	Number of Exceedances
Alkalinity (mg/L)	2	261	267	N/A	N/A
pH	2	7.60	7.80	N/A	N/A
Lead (ug/l)	2	0.06	0.26	10	0

Note: Samples shown above are reflective of the 2022 lead sampling period.

Organic Parameters

These parameters are tested every 5 years as a requirement under O.Reg 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2019/08/21	<MDL 0.02	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2019/08/21	<MDL 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	2019/08/21	<MDL 0.05	20.00	No	No
Benzene (ug/L) - TW	2019/08/21	<MDL 0.32	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2019/08/21	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2019/08/21	<MDL 0.33	5.00	No	No
Carbaryl (ug/L) - TW	2019/08/21	<MDL 0.05	90.00	No	No
Carbofuran (ug/L) - TW	2019/08/21	<MDL 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2019/08/21	<MDL 0.17	2.00	No	No
Chlorpyrifos (ug/L) - TW	2019/08/21	<MDL 0.02	90.00	No	No
Diazinon (ug/L) - TW	2019/08/21	<MDL 0.02	20.00	No	No
Dicamba (ug/L) - TW	2019/08/21	<MDL 0.20	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2019/08/21	<MDL 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2019/08/21	<MDL 0.36	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2019/08/21	<MDL 0.35	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2019/08/21	<MDL 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2019/08/21	<MDL 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2019/08/21	<MDL 0.15	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2019/08/21	<MDL 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	2019/08/21	<MDL 0.4	9.00	No	No
Dimethoate (ug/L) - TW	2019/08/21	<MDL 0.06	20.00	No	No
Diquat (ug/L) - TW	2019/08/21	<MDL 1.0	70.00	No	No
Diuron (ug/L) - TW	2019/08/21	<MDL 0.03	150.00	No	No
Glyphosate (ug/L) - TW	2019/08/21	<MDL 1.0	280.00	No	No
Malathion (ug/L) - TW	2019/08/21	<MDL 0.02	190.00	No	No
2-Methyl-4chlorophenoxyacetic Acid (MCPA) (ug/L)	2019/08/21	<MDL 0.12	100	No	No
Metolachlor (ug/L) - TW	2019/08/21	<MDL 0.01	50.00	No	No
Metribuzin (ug/L) - TW	2019/08/21	<MDL 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2019/08/21	<MDL 0.3	80.00	No	No
Paraquat (ug/L) - TW	2019/08/21	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2019/08/21	<MDL 0.04	3.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Pentachlorophenol (ug/L) - TW	2019/08/21	<MDL 0.15	60.00	No	No
Phorate (ug/L) - TW	2019/08/21	<MDL 0.01	2.00	No	No
Picloram (ug/L) - TW	2019/08/21	<MDL 1.0	190.00	No	No
Prometryne (ug/L) - TW	2019/08/21	<MDL 0.03	1.00	No	No
Simazine (ug/L) - TW	2019/08/21	<MDL 0.01	10.00	No	No
Terbufos (ug/L) - TW	2019/08/21	<MDL 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2019/08/21	<MDL 0.35	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2019/08/21	<MDL 0.2	100.00	No	No
Triallate (ug/L) - TW	2019/08/21	<MDL 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	2019/08/21	<MDL 0.44	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2019/08/21	<MDL 0.25	5.00	No	No
Trifluralin (ug/L) - TW	2019/08/21	<MDL 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	2019/08/21	<MDL 0.17	1.00	No	No
Distribution Water					
Trihalomethane: Total (ug/L) Annual Average - DW	2022	15.8	100	No	No
HAA Total (ug/L) Annual Average - DW	2022	9.6	80	No	No

MAC = Maximum Allowable Concentration as per O. Reg. 169/03
 MDL = Method Detection Limit

Additional Legislated Samples

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
No additional legislated samples required.				

Inorganic or Organic Parameter Exceedances

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
No exceedances.			

Major Maintenance Summary incurred to install, repair or replace required equipment

Item #	Description
1	Distribution pump replacement study.
2	Rehab wells 1 and 2

Appendix A

WTRS Submission Confirmation

Ontario  Regulatory Self-Reporting System Ministry of the Environment, Conservation and Parks

Client Name: CORPORATION OF THE TOWNSHIP OF RAMARA Reporting Year: 2022 Service: PTTW Permit Number: P-300-9104539203 Permit Version: 1.0 New or Updated Submission: NEW

Site Name: Val Harbour Subdivision Drinking Water System

Source ID: 50000549102 Source Name: Lake Simcoe Source Type: Well

UTM(Zone/Easting/Northing): 17/635140.0/4936050.0 Method of Determination: Metered Unit of Measure: Litre

Description: Well #1 Purpose Category: Public administration Specific Category: Municipal Supply Activity Water Supply

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9000.0	7000.0	7000.0	6000.0	10000.0	11000.0	15000.0	13000.0	8000.0	10000.0	7000.0	7000.0
2	10000.0	7000.0	7000.0	8000.0	7000.0	7000.0	11000.0	11000.0	8000.0	9000.0	9000.0	6000.0
3	8000.0	9000.0	9000.0	9000.0	7000.0	12000.0	19000.0	9000.0	10000.0	7000.0	4000.0	7000.0
4	7000.0	7000.0	7000.0	9000.0	9000.0	10000.0	12000.0	11000.0	9000.0	9000.0	9000.0	9000.0
5	9000.0	9000.0	7000.0	7000.0	8000.0	14000.0	7000.0	10000.0	10000.0	10000.0	7000.0	7000.0
6	9000.0	10000.0	9000.0	7000.0	10000.0	9000.0	12000.0	12000.0	9000.0	7000.0	7000.0	7000.0
7	7000.0	7000.0	7000.0	9000.0	9000.0	7000.0	10000.0	12000.0	8000.0	7000.0	7000.0	
8	10000.0	7000.0	7000.0	7000.0	12000.0	9000.0	12000.0	11000.0	7000.0	10000.0	7000.0	
9	9000.0	7000.0	7000.0	8000.0	8000.0	9000.0	13000.0	8000.0	9000.0	9000.0	5000.0	
10	7000.0	7000.0	9000.0	9000.0	10000.0	9000.0	16000.0	12000.0	7000.0	11000.0	6000.0	
11	9000.0	9000.0	7000.0	9000.0	9000.0	11000.0	12000.0	12000.0	10000.0	7000.0	7000.0	
12	7000.0	9000.0	9000.0	7000.0	10000.0	10000.0	7000.0	10000.0	7000.0	9000.0	9000.0	
13	7000.0	7000.0	7000.0	7000.0	9000.0	9000.0	12000.0	11000.0	9000.0	6000.0	7000.0	
14	9000.0	9000.0	9000.0	8000.0	10000.0	12000.0	9000.0	13000.0	7000.0	7000.0	7000.0	
15	8000.0	7000.0	7000.0	8000.0	18000.0	10000.0	13000.0	12000.0	7000.0	9000.0	6000.0	
16	10000.0	7000.0	7000.0	10000.0	7000.0	8000.0	13000.0	10000.0	7000.0	9000.0	7000.0	
17	9000.0	7000.0	9000.0	10000.0	7000.0	11000.0	16000.0	10000.0	10000.0	7000.0	7000.0	
18	7000.0	7000.0	7000.0	9000.0	12000.0	13000.0	10000.0	12000.0	10000.0	7000.0	4000.0	
19	7000.0	9000.0	9000.0	7000.0	7000.0	15000.0	9000.0	8000.0	9000.0	6000.0	9000.0	4000.0
20	7000.0	7000.0	8000.0	9000.0	12000.0	12000.0	12000.0	10000.0	7000.0	7000.0	7000.0	5000.0
21	7000.0	10000.0	9000.0	7000.0	9000.0	13000.0	9000.0	10000.0	9000.0	7000.0	7000.0	8000.0
22	9000.0	6000.0	7000.0	7000.0	10000.0	14000.0	13000.0	6000.0	7000.0	7000.0	7000.0	6000.0
23	9000.0	7000.0	6000.0	10000.0	17000.0	13000.0	10000.0	9000.0	7000.0	10000.0	7000.0	7000.0
24	7000.0	9000.0	7000.0	11000.0	10000.0	14000.0	12000.0	9000.0	9000.0	8000.0	7000.0	8000.0
25	7000.0	7000.0	7000.0	9000.0	9000.0	14000.0	10000.0	7000.0	9000.0	7000.0	6000.0	7000.0
26	7000.0	7000.0	9000.0	9000.0	7000.0	13000.0	9000.0	7000.0	7000.0	7000.0	7000.0	6000.0
27	7000.0	9000.0	9000.0	7000.0	7000.0	15000.0	12000.0	10000.0	9000.0	7000.0	9000.0	7000.0
28	7000.0	7000.0	8000.0	9000.0	13000.0	11000.0	12000.0	10000.0	8000.0	7000.0	7000.0	6000.0
29	9000.0		7000.0	7000.0	15000.0	12000.0	13000.0	8000.0	8000.0	7000.0	7000.0	6000.0
30	8000.0		7000.0	12000.0	10000.0	10000.0	11000.0	8000.0	7000.0	7000.0	7000.0	6000.0
31	9000.0		7000.0		10000.0		13000.0	7000.0		7000.0		10000.0

Rev. 0 Val Harbour Drinking Water System – 2022 Annual Reports
 Issued: February 24, 2023

Site Name: Val Harbour Subdivision Drinking Water System

Source ID: 50000549101

Source Name: Lake Simcoe

Source Type: Well

UTM(Zone/Easting/Northing): 17/635270.0/4936100.0

Method of Determination: Metered

Unit of Measure: Litre

Description: Well #2 Purpose Category: Public administration Specific Category: Municipal Supply Activity Water Supply

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	23000.0	17000.0	16000.0	17000.0	26000.0	26000.0	36000.0	31000.0	19000.0	24000.0	17000.0	17000.0
2	24000.0	17000.0	18000.0	17000.0	17000.0	18000.0	28000.0	29000.0	21000.0	24000.0	22000.0	16000.0
3	17000.0	22000.0	21000.0	24000.0	17000.0	28000.0	46000.0	20000.0	23000.0	16000.0	11000.0	16000.0
4	17000.0	17000.0	18000.0	22000.0	22000.0	27000.0	30000.0	27000.0	23000.0	22000.0	22000.0	23000.0
5	22000.0	23000.0	17000.0	17000.0	17000.0	33000.0	17000.0	24000.0	24000.0	24000.0	17000.0	17000.0
6	22000.0	23000.0	23000.0	17000.0	26000.0	22000.0	29000.0	30000.0	23000.0	18000.0	18000.0	17000.0
7	16000.0	18000.0	17000.0	22000.0	23000.0	17000.0	23000.0	29000.0	19000.0	17000.0	17000.0	10000.0
8	23000.0	16000.0	17000.0	17000.0	27000.0	23000.0	30000.0	28000.0	17000.0	25000.0	17000.0	7000.0
9	22000.0	17000.0	16000.0	18000.0	21000.0	22000.0	32000.0	19000.0	22000.0	23000.0	11000.0	11000.0
10	17000.0	17000.0	22000.0	22000.0	23000.0	22000.0	40000.0	29000.0	18000.0	26000.0	16000.0	10000.0
11	22000.0	22000.0	17000.0	22000.0	23000.0	26000.0	29000.0	31000.0	24000.0	16000.0	16000.0	11000.0
12	16000.0	22000.0	23000.0	17000.0	25000.0	25000.0	18000.0	24000.0	17000.0	22000.0	22000.0	10000.0
13	17000.0	18000.0	18000.0	18000.0	22000.0	22000.0	28000.0	26000.0	22000.0	16000.0	18000.0	11000.0
14	22000.0	23000.0	22000.0	20000.0	25000.0	30000.0	23000.0	33000.0	17000.0	18000.0	17000.0	11000.0
15	18000.0	16000.0	18000.0	20000.0	43000.0	23000.0	31000.0	30000.0	17000.0	22000.0	16000.0	10000.0
16	23000.0	17000.0	16000.0	24000.0	17000.0	19000.0	31000.0	23000.0	17000.0	22000.0	16000.0	11000.0
17	22000.0	17000.0	22000.0	24000.0	17000.0	28000.0	41000.0	24000.0	26000.0	17000.0	17000.0	10000.0
18	18000.0	17000.0	16000.0	23000.0	30000.0	32000.0	23000.0	29000.0	24000.0	16000.0	11000.0	14000.0
19	16000.0	22000.0	23000.0	17000.0	17000.0	35000.0	22000.0	22000.0	22000.0	17000.0	21000.0	4000.0
20	17000.0	18000.0	19000.0	22000.0	29000.0	31000.0	29000.0	24000.0	17000.0	16000.0	18000.0	
21	17000.0	23000.0	22000.0	16000.0	23000.0	31000.0	24000.0	24000.0	22000.0	17000.0	16000.0	
22	22000.0	17000.0	16000.0	17000.0	25000.0	34000.0	30000.0	24000.0	17000.0	17000.0	17000.0	
23	22000.0	16000.0	16000.0	24000.0	41000.0	32000.0	26000.0	23000.0	17000.0	24000.0	17000.0	
24	17000.0	23000.0	18000.0	29000.0	23000.0	34000.0	28000.0	22000.0	22000.0	22000.0	17000.0	
25	17000.0	17000.0	16000.0	21000.0	23000.0	33000.0	24000.0	17000.0	23000.0	17000.0	17000.0	
26	17000.0	17000.0	23000.0	21000.0	17000.0	33000.0	24000.0	17000.0	17000.0	18000.0	17000.0	
27	16000.0	23000.0	21000.0	17000.0	17000.0	37000.0	29000.0	24000.0	22000.0	17000.0	22000.0	
28	17000.0	17000.0	19000.0	22000.0	33000.0	25000.0	30000.0	24000.0	19000.0	17000.0	17000.0	
29	23000.0		17000.0	17000.0	36000.0	31000.0	32000.0	19000.0	20000.0	16000.0	17000.0	
30	18000.0		17000.0	30000.0	24000.0	24000.0	26000.0	20000.0	17000.0	18000.0	17000.0	11000.0
31	22000.0		16000.0		26000.0		32000.0	17000.0		17000.0		23000.0

Site Name: Val Harbour Subdivision Drinking Water System

Source ID: 50000549100

Source Name: Well #3

Source Type: Well

UTM(Zone/Easting/Northing): 17/635465.0/4936606.0

Method of Determination: Metered

Unit of Measure: Litre

Description: Well #3R Purpose Category: Public administration Specific Category: Municipal Supply Activity Water Supply

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4	2000.0						1000.0	1000.0		1000.0		
5												1000.0
6				1000.0								
7			1000.0						3000.0		2000.0	15000.0
8												10000.0
9												16000.0
10					2000.0							15000.0
11												16000.0
12												16000.0
13												16000.0
14												16000.0
15												16000.0
16												16000.0
17												16000.0
18												21000.0
19												18000.0
20												20000.0
21												30000.0
22												20000.0
23												27000.0
24												28000.0
25												27000.0
26												20000.0
27												27000.0
28												21000.0
29												21000.0
30												7000.0
31												

Name of Attester

First Name: Wesley

Last Name: Henneberry

Company: Ontario Clean Water Agency

Date Certified/Submitted/yyyy/mm/dd): 2023/02/16