

Table of Detected Contaminants
Inorganic Contaminants Found at Entry Point

Contaminant	Water Source	Violation Yes/ No	Date(s) of Sampling	Average Level found (Range)	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Aluminum	Otisco	No	Sept 2023	0.063	mg/l	N/A	N/A	Erosion of natural deposits; Industrial sources
	Ontario	No	Sept 2023	0.133	mg/l	N/A	N/A	
Barium	Otisco	No	Sept 2023	0.0337	mg/l	2	2	Erosion of natural deposits
	Ontario	No	Sept 2023	0.0203	mg/l	2	2	
	Skaneateles	No	May 2023	0.0273	mg/l	2	2	
Calcium	Otisco	No	Sept 2023	33.2	mg/l	N/A	N/A	Naturally occurring
	Ontario	No	Sept 2023	30.0	mg/l	N/A	N/A	
Chloride	Otisco	No	Sept 2023	45.8	mg/l	N/A	250	Naturally occurring; Road salts
	Ontario	No	Sept 2023	26.3	mg/l	N/A	250	
	Skaneateles	No	May 2023	23.3	mg/l	N/A	250	
Chlorite (1)	Otisco	No	Daily	0.24 ($< 0.0 - 0.41$)	mg/l	N/A	1	By-product of drinking water disinfection at plant using chlorine dioxide
Chlorine Dioxide Residual (1)	Otisco	No	Daily	< 10 ($< 10 - 120$)	ug/l	N/A	800 (MRDL)	By-product of drinking water disinfection at plant using chlorine dioxide
Chlorine Residual (Free)	Otisco	No	Every 4 hrs	0.97 (0.72 - 1.36)	mg/l	N/A	4 (MRDL)	Added to water to kill harmful bacteria and to prevent the regrowth of bacteria
	Ontario	No	Every 4 hrs	0.87 (0.67 - 1.10)	mg/l	N/A	4 (MRDL)	
	Skaneateles	No	Every 4 hrs	1.20 (0.73 - 2.57)	mg/l	N/A	4 (MRDL)	

(1) **Chlorite and Chlorine Dioxide** were tested daily for 200 days in 2023. At the same time, OCWA added chlorine dioxide at Otisco's intake as a preoxidant in order to control zebra mussels, provide adequate disinfection, and limits the formation of undesirable disinfection by-products such as trihalomethanes and haloacetic acids. OCWA intends to add chlorine dioxide again during warm water conditions in 2024.

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Copper	Otisco	No	Sept 2023	0.0062	mg/l	N/A	AL = 1.3	Erosion of natural deposits
	Ontario	No	Sept 2023	0.0049	mg/l	N/A	AL = 1.3	
Fluoride (2)	Otisco	No	Daily	0.70 (0.61 - 0.83)	mg/l	N/A	2.2	Erosion of natural deposits; Water additive that promotes strong teeth; discharge from fertilizer
	Ontario	No	Daily	0.70 (0.62 - 0.91)	mg/l	N/A	2.2	
	Skaneateles	No	Daily	0.58 (0.0 - 1.0)	mg/l	N/A	2.2	
Magnesium	Otisco	No	Sept 2023	10.7	mg/l	N/A	N/A	Naturally occurring
	Ontario	No	Sept 2023	8.15	mg/l	N/A	N/A	
	Skaneateles	No	Nov 2023	7.80	mg/l	N/A	N/A	

(2) Information on Fluoride Addition: OCWA is one of many drinking water systems that provide drinking water with a controlled, low level of fluoride for consumer dental health protection. According to the United States Center for Disease Control, fluoride is very effective in preventing cavities when present in drinking water at an optimal dose of 0.7 mg/l. To ensure that the fluoride supplement in your water provides optimal dental protection, the NYS Health Department requires that we monitor fluoride levels on a daily basis. 2023 monitoring showed fluoride levels in your water were within 0.1mg/l of the optimal dose 99% of the time for Otisco Lake water and 99% of the time for Lake Ontario water.

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Nitrate	Otisco	No	Sept 2023	0.20	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits
	Ontario	No	Sept 2023	0.16	mg/l	10	10	
	Skaneateles	No	May 2023	0.41	mg/l	10	10	
Sodium (3)	Otisco	No	Sept 2023	25.1	mg/l	N/A	See Health Effects	Naturally occurring; Road salts; water softeners; animal wastes
	Ontario	No	Sept 2023	16.0	mg/l	N/A	See Health Effects	
	Skaneateles	No	Nov 2023	11.9	mg/l	N/A	See Health Effects	
Sulfate	Otisco	No	Sept 2023	12.0	mg/l	N/A	250	Naturally occurring
	Ontario	No	Sept 2023	23.4	mg/l	N/A	250	
	Skaneateles	No	May 2023	11.4	mg/l	N/A	250	
Odor	Ontario	No	Sept 2023	1	units	N/A	3	Organic or inorganic pollutants from municipal or industrial waste, natural sources
	Skaneateles	No	May 2023	2	units	N/A	3	Organic or inorganic pollutants from municipal or industrial waste, natural sources

(3) Health Effects of Sodium: There is no maximum contaminant level (MCL) for sodium. However, water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted diets.