

## 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 2022           | 0.064                       | mg/l           | N/A  | N/A                               | Erosion of natural deposits; Industrial sources                                 |
|                               | Ontario      | No                | Sept 2022           | 0.145                       | mg/l           | N/A  | N/A                               |   |
| Barium                        | Otisco       | No                | Sept 2022           | 0.0348                      | mg/l           | 2    | 2                                 | Erosion of natural deposits   |
|                               | Ontario      | No                | Sept 2022           | 0.0211                      | mg/l           | 2    | 2                                 |   |
|                               | Skaneateles  | No                | May 2022            | 0.0227                      | mg/l           | 2    | 2                                 |   |
| Calcium                       | Otisco       | No                | Sept 2022           | 34.7                        | mg/l           | N/A  | N/A                               | Naturally occurring   |
|                               | Ontario      | No                | Sept 2022           | 31.0                        | mg/l           | N/A  | N/A                               |   |
| Chloride                      | Otisco       | No                | Sept 2022           | 7.73                        | mg/l           | N/A  | 250                               | Naturally occurring; Road salts   |
|                               | Ontario      | No                | Sept 2022           | 26.3                        | mg/l           | N/A  | 250                               |   |
|                               | Skaneateles  | No                | May & Nov 2022      | 23.2<br>(21.9 - 24.5)       | mg/l           | N/A  | 250                               |   |
| Chlorite (1)                  | Otisco       | No                | Daily               | 0.24<br>(0.07 - 0.42)       | mg/l           | N/A  | 1                                 | By-product of drinking water disinfection at plant using chlorine dioxide       |
| Chlorine Dioxide Residual (1) | Otisco       | No                | Daily               | < 10<br>(< 10 - 110)        | 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         | 0.96<br>(0.68 - 1.34)       | 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         | 0.91<br>(0.72 - 1.22)       | mg/l           | N/A  | 4 (MRDL)                          |   |
|                               | Skaneateles  | No                | Every 4 hrs         | 1.15<br>(0.37 - 2.02)       | mg/l           | N/A  | 4 (MRDL)                          |   |

(1) **Chlorite and Chlorine Dioxide** were tested daily for 211 days in 2022. 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 the warm water conditions in 2023.

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| Copper       | Otisco       | No                | Sept 2022           | 0.0023                      | mg/l           | N/A  | AL = 1.3                          | Erosion of natural deposits   |
|              | Ontario      | No                | Sept 2022           | 0.0050                      | mg/l           | N/A  | AL = 1.3                          |   |
| Fluoride (2) | Otisco       | No                | Daily               | 0.69<br>(0.59 - 0.78)       | mg/l           | N/A  | 2.2                               | Erosion of natural deposits; Water additive that promotes strong teeth; discharge from fertilizer |
|              | Ontario      | No                | Daily               | 0.69<br>(0.47 - 0.77)       | mg/l           | N/A  | 2.2                               |   |
|              | Skaneateles  | No                | Daily               | 0.71<br>(0.10 - 0.99)       | mg/l           | N/A  | 2.2                               |   |
| Magnesium    | Otisco       | No                | Sept 2022           | 11.2                        | mg/l           | N/A  | N/A                               | Naturally occurring   |
|              | Ontario      | No                | Sept 2022           | 8.52                        | mg/l           | N/A  | N/A                               |   |
|              | Skaneateles  | No                | Nov 2022            | 7.73                        | mg/l           | N/A  | N/A                               |   |
| Nickel       | Otisco       | No                | Sept 2022           | 0.00054                     | mg/l           | N/A  | N/A                               | Erosion of natural deposits; Industrial sources   |
|              | Ontario      | No                | Sept 2022           | 0.00064                     | 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. 2022 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 98% of the time for Lake Ontario water.

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| Nitrate     | Otisco       | No                | Sept 2022           | 0.37                        | mg/l           | 10   | 10                                | Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits |
|             | Ontario      | No                | Sept 2022           | 0.26                        | mg/l           | 10   | 10                                |   |
|             | Skaneateles  | No                | May 2022            | 0.45                        | mg/l           | 10   | 10                                |   |
| Sodium (3)  | Otisco       | No                | Sept 2022           | 22.9                        | mg/l           | N/A  | See Health Effects                | Naturally occurring; Road salts; water softeners; animal wastes                             |
|             | Ontario      | No                | Sept 2022           | 15.8                        | mg/l           | N/A  | See Health Effects                |   |
|             | Skaneateles  | No                | May & Nov 2022      | 11.2<br>(10.7 - 11.7)       | mg/l           | N/A  | See Health Effects                |   |
| Sulfate     | Otisco       | No                | Sept 2022           | 11.2                        | mg/l           | N/A  | 250                               | Naturally occurring   |
|             | Ontario      | No                | Sept 2022           | 7.73                        | mg/l           | N/A  | 250                               |   |
|             | Skaneateles  | No                | May & Nov 2022      | 12.1<br>(12.0 - 12.2)       | mg/l           | N/A  | 250                               |   |
| Odor        | Otisco       | No                | Sept 2022           | 1                           | 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.