

Annual Drinking Water Quality Report for 2025
TOWN OF TICONDEROGA WATER DISTRICT
P.O.BOX 471
TICONDEROGA, NEW YORK 12883
(Public Water Supply ID NY1500293)

INTRODUCTION

To comply with State and Federal regulations, we will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact Mr. Derrick Fleury, Water Operator at (518) 585-6144. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled town board meetings. The meetings are held on the second Thursday of each month at 6:00 p.m. at the town hall at 132 Montcalm Street, Ticonderoga.

WHERE DOES OUR WATER COME FROM?

In general, the sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include microbial contaminants, inorganic contaminants, pesticides and herbicides, organic chemical contaminants, and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the concentration of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The Ticonderoga Water District gets drinking water from three sources - Gooseneck Pond, Lake George, and two groundwater wells. The Gooseneck Pond supply is not filtered and operates under stringent water filtration avoidance criteria. Gooseneck Pond water is disinfected with sodium hypochlorite at the Gooseneck Pond treatment station and treated with a potable water corrosion control inhibitor (zinc orthophosphate). The Gooseneck Pond system provides water for users in Eagle Lake down to the Chilson Hill area and is physically disconnected from the other two water sources. The 0.5 million-gallon uncovered Chilson Reservoir used to provide storage for the Gooseneck Pond system in the past, but it is now inactive. Excess water from the Gooseneck Pond system is discharged into the uncovered reservoir and leaves the reservoir via an overflow outlet that discharges to a small stream.

A new storage tank (called the Chilson Storage Tank) was put into service during 2019 and receives water directly from two new wells. Well water is treated with sodium hypochlorite at the new water treatment building located on Route 9N, north of Ticonderoga. Both PW#1 and PW #2 are approximately 220 feet deep with safe yields of 1,100 gpm each. A transmission line conveys water from the well water treatment plant to the new 1.3 million-gallon Chilson Storage Tank.

Lake George is the Town's third source of water supply. Lake George water is filtered at the Baldwin Landing diatomaceous earth filtration plant. An intake structure is located at a depth of 30 feet and approximately 1,800 feet from the shore of Lake George at Baldwin Landing, south of the former village. Raw water flows into a wet well below the filtration plant via a 16" diameter intake main. Two variable drive pumps (300 to 1,000gpm) pump the raw water from the wet well through four diatomaceous earth (DE) filter units. Filtered water exits the filter units and is disinfected with sodium hypochlorite before entering a finished water clear well. The clear well is baffled to

provide adequate disinfection contact time. Water flows through the clear well to a high-lift pump station located adjacent to the filter building. The high-lift pump station is equipped with two 75 h.p. pumps. Each pump is capable of producing 750 gpm. Lake George water is pumped from the pump station via a transmission main to a one million-gallon, steel storage tank located on Mt. Defiance. Lake George water is treated with a corrosion control inhibitor (zinc orthophosphate) before it enters the transmission main. A telemetry system at the Abercrombie Street tank and the Lake George filter plant controls the operation of the filter plant and regulates the high-lift pumps.

FACTS AND FIGURES

Facts and figures for the Ticonderoga Water District are provided below:

Population Served	3700
Connections	2000
Total Volume of water produced	Lake George – 238,086,000 gallons Well – 165,623,000 gallons Gooseneck – 76,555,000 gallons
Daily Average	Lake George – 652,290 gallons/day Well – 453,762 gallons/day Gooseneck – 210,000 gallons/day
Highest Single Day of Use	Lake George – 892,000 gallons on 8/1/25 Well – 825,000 gallons on 6/17/2025 Gooseneck – 368,000 gallons on 6/3/25
Volume of water lost	No Meters
Cost of Water	\$532 per year per edu
Highest Single Turbidity Measurement and date	0.23 NTU on 12/4/25 – Lake George
Month with most turbidity readings above 1.0	None

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include total coliform, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, and synthetic organic compounds. The table presented below depicts which compounds were detected in your drinking water. The State allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

In 2024, the Ticonderoga Water District collected Unregulated Contaminant Monitoring Rule (UCMR) sampling in conjunction with the US Environmental Protection Agency. Samples were collected from our three sources. Samples for our two surface water sources were collected quarterly and analyzed for PFAS chemicals and lithium. Samples for our groundwater wells were collected during two consecutive quarters and analyzed for PFAS chemicals and lithium. Lithium was not detected in any of our sources. PFAS chemicals were all below detection limits except for one sample from Lake George that had a small amount of PFBA that was well below health advisory levels. Data from the UCMR sampling events is included in the table of detected contaminants.

It should be noted that all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791) or the New York State Department of Health at (518) 891-1800.

Table of Detected Contaminants - Lake George (LG), Gooseneck Pond (GNP), and Wells

Contaminant	Violation Yes/No	Date of Sample	Level Detected	Unit Measurement	MCLG	Regulatory Limit	Likely Source of Contamination
Microbiological Contaminants							
Turbidity (Lake George Source)	No	12/04/2025	0.23	NTU	n/a	5 (TT)	Soil runoff
Turbidity (Lake George Source)	No	2025	100% < 1.0 NTU	NTU	n/a	95% of samples must be < 1.0 NTU (TT), no one sample may be > 5 NTU (TT)	Soil runoff
Turbidity (Gooseneck Pond Source)	No	9/17/2025	0.64	NTU	n/a	5 (TT)	Soil runoff
Turbidity (Gooseneck Pond Source)	No	2025	100% < 1.0 NTU	NTU	n/a	95% of samples must be < 1.0 NTU (TT), no one sample may be > 5 NTU (TT)	Soil Runoff
Inorganic Contaminants							
Chloride (LG) Chloride (GNP) Chloride (Wells)	No	2022	30.8 1.95 19.5	mg/L	n/a	250	Naturally occurring or indicative of road salt contamination.
Lead	No	2023	0.0021 ⁴ (ND – 0.0121)	mg/L	0	0.015 (AL)	Corrosion of household plumbing systems.
Copper	No	2023	0.312 ⁴ (0.0162 – 0.759)	mg/L	1.3	1.3 (AL)	Corrosion of household plumbing systems.
Nitrate (LG) Nitrate (GNP) Nitrate (Wells)	No	2025	ND 0.069 0.466	mg/L	10	10 (MCL)	Runoff from fertilizer use; leaching from septic tanks, sewage, erosion of natural deposits.
Barium (LG) Barium (GNP) Barium (Wells)	No	2025 2025 2023	ND ND 0.0094	mg/L	2	2 (MCL)	Erosion of natural deposits.
Fluoride (LG) Fluoride (GNP) Fluoride (Wells)	No	2025 2025 2025	ND ND 0.13	mg/L	n/a	2.2 (MCL)	Erosion of natural deposits; water additive; discharge from fertilizer and aluminum factories
Sodium (LG) ³ Sodium (GNP) Sodium (Wells)	No	2025	11.5 2.34 10.0	mg/L	n/a	See Note 3	Naturally occurring; Road salt; Water softeners; Animal waste.
Iron (GNP)	No	2022	0.0737	mg/L	n/a	2.2 (MCL)	Erosion of natural deposits.
Manganese (GNP)	No	2022	0.0163	mg/L	n/a	0.3 (MCL)	Naturally occurring or indicative of landfill leachate
Chromium (GNP) Chromium (LG)	No	2025	4.0 4.5	ug/L	n/a	100(MCL)	Discharge from steel and pulp mills; Erosion of natural deposits.
Zinc (LG) Zinc (GNP) Zinc (Wells)	No	2019	0.0054 0.007 0.008	mg/L	n/a	5 (MCL)	Naturally occurring; mining waste
Sulfate (LG) Sulfate (GNP) Sulfate (Wells)	No	2022	7.08 2.69 4.68	mg/L	n/a	250 (MCL)	Erosion of natural deposits.
Disinfection Byproduct - Stage 2							
TTHMs Total Trihalomethanes Chilson Reservoir	No	2025	37.8	ug/L	0	80	By-products of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains measurable amounts of organic matter.
HAA5s Haloacetic Acids Chilson Reservoir	No	2025	27.5	ug/L	0	60	By-products of drinking water chlorination needed to kill harmful organisms. HAA5 are formed when source water contains measurable amounts of organic matter.
TTHMs Total Trihalomethanes Bus Garage Location	No	2025	27.9	ug/L	0	80	By-products of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains measurable amounts of organic matter.
HAA5s Haloacetic Acids Bus Garage Location	No	2025	31.1	ug/L	0	60	By-products of drinking water chlorination needed to kill harmful organisms. HAA5 are formed when source water contains measurable amounts of organic matter.

Notes:

1 – Turbidity is a measure of the clarity of the water. We test it because it is a good indicator of the effectiveness of our filtration system. State regulations require that turbidity must always be below 5 NTU. The regulations require that 95% of the turbidity samples collected have measurements below 1.0 NTU for diatomaceous earth filtration. Last year, our system was in compliance with our treatment technique for turbidity.

3 – Water containing more than 20 mg/l of sodium should not be used for drinking by people on very restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.

4 - During 2023, 20 samples were collected and analyzed for lead and copper. The 90th percentile is equal to or greater than 90% of the lead or copper values detected at your water system. In this case, 20 samples were collected from your water system and the 90th percentile value was the fourth highest value for both lead and copper. The action level for copper was not exceeded and any of the sampling locations. The action level for lead was exceeded at one sampling location. The range of sample results are provided in parentheses.

5 – The value represents the highest Locational Running Annual Average of the quarterly samples collected.

6 – The values represent the range of the quarterly samples collected.

Definitions:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

Nephelometric Turbidity Unit (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

EPA Test Method 533 is used to measure PFOA and PFOS which are regulated perfluoroalkyl analytes with an MCL level of 10 nanograms per liter (ng/L) or 10 parts of liquid per 1 trillion parts of liquid. As part of EPA Test Method 533 a total of 25 analytes are also measured as part of that test. Unregulated perfluoroalkyl analytes that were analyzed in our water samples and had detectable levels are shown in the Unregulated Perfluoroalkyl Substances table provided below.

Unregulated Perfluoroalkyl Substances					
MCL level for each Unregulated PFAS Substance = 50,000 ng/L					
Contaminant	Violation (Yes/No)	Date of Sample	Level Detected	Unit Measurement	MCGL or Health Advisory Level ^{1,2}
Perfluorobutanoic Acid (PFBA) (Lake George)	No	2024	ND	ng/L	NA

1 USEPA Health Advisory Levels identify the concentration of a contaminant in drinking water at which adverse health effects and/or aesthetic effects are not anticipated to occur over specific exposure durations. Health Advisory Levels are not to be construed as legally enforceable federal standards and are subject to change as new information becomes available.

2 All perfluoroalkyl substances, besides PFOA and PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50,000 ng/L.

WHAT DOES THIS INFORMATION MEAN?

As you can see in Table 1: Detected Contaminants, our water system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State. Although our lead and copper levels were well below the Action Limits, we are required to provide the following statement: Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. The Town of Ticonderoga is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized

requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact Mr. Derrick Fleury, Water Superintendent, at (518) 585-6144. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

The Ticonderoga Water District is generally in compliance with all operating, reporting, and monitoring requirements, including the preparation of a lead service line inventory. This inventory is publicly available and can be accessed at the **Ticonderoga Town Office**.

INFORMATION ON LEAD SERVICE LINE INVENTORY

The **Town of Ticonderoga** completed a Lead Service Line Inventory (LSLI) and submitted it to the NYS Department of Health on October 16, 2024. The LSLI is an ongoing effort and will be updated annually. Our system has a total of 1,727 active service connections. As of the end of 2025, we have identified 407 of these service lines and 1 of these lines is a lead service line that is required to be replaced. There are no identified galvanized service lines in our distribution system. There are 1320 service lines that are of unknown material. If you have not done so already, please contact the Town to let us know if your service line is either lead, galvanized pipe, copper, or plastic. If you need help making this determination, please contact the Town directly.

SOURCE WATER ASSESSMENT SUMMARY

The NYS Dept. of Health completed a source water assessment for this system based on available information. This assessment for Lake George found an elevated susceptibility to contamination for this source of drinking water. Land cover and its associated activities within the assessment area does not increase the potential for contamination. While there are some facilities present, permitted discharges do not likely represent an important threat to source water quality. There is noteworthy contamination susceptibility associated with other discrete contaminant sources. The assessment area for Gooseneck Pond contains no discrete PCSs, and none of the land cover contaminant prevalence ratings are greater than low. The health department will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the assessment, including a map of the assessment area, can be obtained by contacting us.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised people such as persons with cancer undergoing chemotherapy, people who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- ◆ Saving water saves energy and some of the costs associated with both of these necessities of life;
- ◆ Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- ◆ Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- ◆ Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- ◆ Turn off the tap when brushing your teeth.
- ◆ Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- ◆ Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.
- ◆ Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, then check the meter after 15 minutes, if it moved, you have a leak.

CLOSING

Thank you for allowing us to continue to provide your family with quality drinking water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future. Please call our office if you have questions.