

# Town of Braselton Water System

## 2021 Water-Quality Report - Water System ID #1570000



The Town of Braselton Water System is pleased to present a summary of the quality of water provided to you during the past year. The Safe Drinking Water Act (SDWA) requires that utilities issue an annual "Consumer Confidence" report to customers. This report details where our water comes from, what it contains, and the risks our water testing and treatment are designed to prevent. The Town of Braselton Water System is committed to providing you with the safest and most reliable water supply. Informed consumers are our best allies in maintaining safe drinking water. We encourage public interest and participation in our community's decisions affecting our drinking water. Regularly scheduled Town Council meetings are held on the 2nd Monday of each month at 7:00 p.m. in the Municipal Court Building. Any comments are welcomed; please contact us at The Town of Braselton – P.O. Box 306 – Braselton, GA 30517 or (706) 654-3915.

### Water Source

The Town of Braselton's Water System is supplied by a system of five ground water wells, two connections to the Gwinnett County Water System, one connection to the Jackson County Water System and one connection to the Barrow County Water System. Water from the wells is treated with chlorine before entering the system. Gwinnett County and Jackson County provide sampling analysis data to the Town regarding the quality of the water provided by each system. The Town of Braselton completed a well head protection plan in 2005; copies can be obtained at the Planning & Public Utilities Building.

### How to Read This Table

The chart in this report provides representative analytical results of water samples, collected in 2021 unless otherwise noted from the Town of Braselton's water system. Please note the following definitions:

**Maximum Contaminant Level or MCL:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum Contaminant Level Goal or 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 microbiological 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 contaminants.

**Action Level:** The concentration of a contaminant, which triggers treatment or other requirement, which a water system must follow.

Inorganic Contaminants	Date	Units	MCL	MCLG	Detected	# Above AL	Major Sources	Violation?
<b>Lead<sup>1</sup></b>								
Town of Braselton	2020	ppb	AL =15	0	0	0	Corrosion of household plumbing systems, erosion of natural deposits	NO
Gwinnett County	2020	ppb			1.2	0		NO
Jackson County	2020	ppb			0	0		NO
<b>Copper<sup>2</sup></b>								
Town of Braselton	2020	ppb	AL =1300	1300	41	0	Corrosion of household plumbing systems, erosion of natural deposits	NO
Gwinnett County	2020	ppb			170	0		NO
Jackson County	2020	ppb			18	0		NO
<b>Nitrate/Nitrite</b>								
Town of Braselton	Annually	ppm	10	10	1.00	0.23-2.4	Runoff from fertilizer use; leaching from septic tanks, erosion of natural deposits	NO
Gwinnett County	Annually	ppm	10	10	0.5	0.36-0.63		NO
<b>Fluoride</b>								
Gwinnett County	Daily	ppm	4	4	0.8	0.63-0.98	Erosion of natural deposits, water additive that promotes strong teeth	NO
<b>Chlorine Residual</b>								
Town of Braselton	Daily	ppm	MRDL = 4	MRDLG = 4	1.12	0.84-1.22	Water disinfectant	NO
Gwinnett County	Daily	ppm			2.2	0.27-2.20		NO
Jackson County	Monthly	ppm			1.8	0.2-1.8		NO
<b>Bromate</b>								
Gwinnett County	Monthly	ppb	10	0	1.35	<1.0-1.7	By-product of disinfection utilizing ozone	NO

Volatiles Organic Contaminants	Date	Units	MCL	MCLG	Detected	Range	Major Sources	Violation?
<b>THMs, Total</b>								
<b>Trihalomethanes</b>								
Town of Braselton	Quarterly	ppb	80	n/a	64.27	25-94	By-product of drinking water chlorination	NO
Gwinnett County	Quarterly	ppb	80	n/a	68	10.8-68		NO
Jackson County	Quarterly	ppb	80	n/a	73.9	15.5-79.8		NO
<b>HAA5, Haloacetic Acids</b>								
Town of Braselton	Quarterly	ppb	60	n/a	44.52	25-54	By-product of drinking water chlorination	NO
Gwinnett County	Quarterly	ppb	60	n/a	30	11.6-30		NO
Jackson County	Quarterly	ppb	60	n/a	42.5	28.0-56.0		NO
Microbiological Contaminants	Date	Units	MCL	MCLG	Value	Range	Major Sources	Violation?
<b>Turbidity<sup>3</sup></b>								
Gwinnett County	Continuous	NTU	TT=1	n/a	0.24	n/a	Soil runoff	NO
<b>Turbidity</b>								
Gwinnett County	Continuous	NTU	95% samples <0.3	n/a	100%	n/a	Soil runoff	NO
<b>Total Coliforms</b>								
Town of Braselton	Monthly	p/a	No more than 5% of monthly samples	1	0.10%	n/a	Naturally present in environment	NO
Gwinnett County	Monthly	p/a		0	0.35%	n/a		NO
Jackson County	Monthly	p/a		0	0	n/a		NO
<b>Total Organic Carbon</b>								
Gwinnett County	Monthly	ppm	TT	n/a	1.05	0.88-1.3	Naturally present in the environment.	NO

**Water-Quality Table Footnotes**

1 ppb of copper is reported as the 90th percentile of samples taken.  
2 ppb of lead is reported as the 90th percentile of samples taken.  
3 Turbidity is a measure of the cloudiness in water. We monitor turbidity because it is a good indicator of the effectiveness of our filtration system.

**Table Key**

ppm = parts per million, or milligrams per liter (mg/l) one part per million corresponds to one minute in two years or a single penny in \$10,000.  
ppb = parts per billion, or micrograms per liter (µg/l) one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.  
NTU = nephelometric units, measure of the clarity of water  
TT = treatment Technique: A required process intended to reduce the level of a contaminant in drinking water  
p/a=presence/absence (microbial)

**Required Additional Health Information**

To ensure that tap water is safe to drink, EPA prescribes limits on the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water.

Drinking water, including bottled water, may reasonably be 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 Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791). 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 radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- (B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, stormwater runoff, and residential uses.
- (D) Organic chemical contaminants, including synthetic and volatile organics, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems.
- (E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than is the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons 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 about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800-426-4791).

## Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Town of Braselton Water System is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.



### National Primary Drinking Water Regulation Compliance

If you have any questions please contact the Town of Braselton's Water Superintendent, Jeb Zeigler at (706) 921-4010 or email at [jzeigler@braselton.net](mailto:jzeigler@braselton.net). Water Quality Data for community water systems throughout the United States is available at [www.waterdata.com](http://www.waterdata.com). A copy of this Water Quality Report is posted on the Town's website. Printed copies will be available at the Planning & Public Utilities Building. This report contains water quality information from the Town of Braselton's water system (WSID1570000).

*Este informe contiene information muy importante. Traduscalo o hable con un amigo quien lo entienda bien.*