



Water Quality Report for Our 2010 Data

Our Water Treatment

Our well water is brought to the surface and pumped into a ground storage tank then it is sent into two elevated holding tanks that are constantly monitored. As the water is drawn from the well, chlorine is added to it for disinfection and fluoride is added to promote healthy teeth and bones. Water samples are drawn daily and tested to make sure the chlorine and fluoride levels are correct. Also, samples are collected from sites around the city on a monthly basis and sent to the Georgia Environmental Protection Division state lab to be tested for bacteria.

Conservation Corner

There are many things we can do to help conserve water in our homes.

1. Take baths instead of showers. Baths use less water than all but the shortest showers.
2. Fix leaking faucets.
3. Replace toilet flappers to stop "ghost flushing" from wasting water.
4. Install a rain gauge and check it before watering the lawn. There are some automatic watering systems that have rain gauges.

What's in the water?

Water can pick up contaminants from many sources on its long journey to becoming your drinking water. It can pick up and dissolve naturally occurring minerals, radioactive materials and substances resulting from the presence of animals and humans. Microbiological contaminants, such as viruses and bacteria, inorganic substances such as salts and minerals, pesticides and herbicides from industrial or petroleum use can and may be in the untreated water. Even bottled water you buy at the grocery might reasonably be expected to contain small traces of some contaminants. Just because water may contain small traces of some contaminants it does not mean that it is not safe to drink.

For health reasons, the state has specified what may and may not be allowed in our drinking water. The Safe Drinking Water Act gives government agencies at Federal, state and local levels the rules and regulations to insure that the water we drink is safe.

Over 500 tests were performed on our community's drinking water and the reports we received stated that our drinking water was excellent. We are proud of the ongoing efforts made by our water quality workers to keep our water safe to drink for the citizens of Flowery Branch.



Well Water!

We have three wells within our city limits that supply our water needs. The City also has a backup connection to the City of Gainesville water system for emergencies. The wells we are currently using are drilled hundreds of feet into what geologists refer to as Crystalline Rock aquifer.

An aquifer is a natural underground layer of porous water bearing material usually capable of yielding large amounts of supply water.



Special Information:

Some people in our community, such as immune compromised persons who have undergone chemotherapy, have had organ transplants, have HIV/Aids or other kinds of immune depressing illness may be more vulnerable to contaminants in drinking water. These persons may want more information, in which case they can contact either their healthcare providers or the Environmental Protection Association's **Safe Drinking Water Hotline at (800) 426-4791.**

Special points of interest:

- Over 500 tests performed annually to confirm water quality
- Call (770) 967-6371 to report problems or ask questions
- Community drinking water met or exceeded all safety and quality standards.
- Call City Hall for public meeting information at (770) 967-6371.

Flowerly Branch Water Quality Report for 2010 Data

How We Rate: Over 500 test were completed on our community's drinking water and the reports we received stated that our drinking water met or exceeded all safety and quality standards set by the State of Georgia and Environmental Protection Agency during the previous year. We are proud of the ongoing efforts to maintain the quality of our drinking water for the citizens of Flowerly Branch.

Organic and Inorganic Contaminants Table:

Substance	MCL	EPA	FB System	Sample Date	Source of Contami-
Fluoride	4 ppm	0.7-1.2 ppm	0.91 mg/L	Yearly Average	Added
Nitrate/Nitrite	10 ppm	—	1.7 mg/L	05/20/10	Wildlife/ Septic Systems
VOCs	2 ppm	—	None Detected	12/09/09	Pesticides, Solvents and Agricultural by products
Chlorine	4.0 ppm	0.2-4ppm	0.70 mg/L	Yearly Average	Added
THMs	0.08 mg/L	—	None Detected	EPD Request	Chlorination Byproduct
HAA5	0.06 mg/L	—	None Detected	EPD Request	Chlorination Byproduct

Metal Contaminants Table:

Substance***	Action Level	EPA	FB System	# of Sites Above Action Level	Source Of Contaminant
Lead	15 ppb	—	3.7	0	Household Plumbing
Copper	1300 ppb	1300pb	570	0	Household Plumbing

***** **NOTE: All samples sent to EPA were NEGATIVE for Total Coli form Bacteria.**

MCL: Maximum Contaminate Level (highest level of contaminate allowed in drinking water)

Action Level: concentration of a contaminate which, when exceeded, triggers treatment or other requirements, which a water system must follow

EPA: Environmental Protection Agency

ppm: parts per million - or - ppb: parts per billion