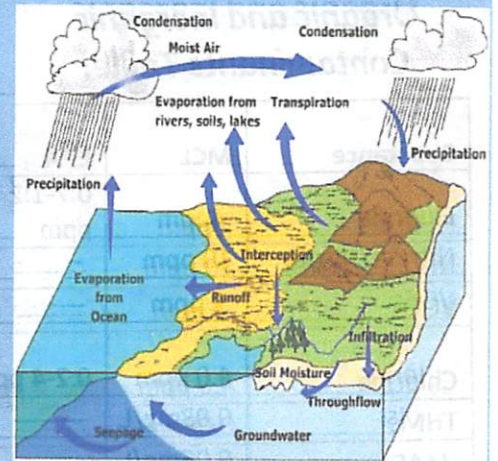


CITY OF FLOWERY BRANCH

# Water Quality Report

2017



SYSTEM ID#: GA 1390000

## What's in Water????

Water can pick up contaminants from many sources on its long journey to become 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, organic chemicals from industrial and petroleum use can and may be in untreated water.

Even bottled water that you get at your grocer 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 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 with the City of Gainesville water system to our community in case of emergencies. The wells we are currently using are drilled hundreds of feet into what geologists refer to as a Crystalline Rock aquifer. An aquifer is a natural underground layer of porous water bearing material usually capable of yielding large amounts of 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 illnesses, and some elderly or infants may be more vulnerable to contaminants in drinking water. These persons may want more information, in which case they can contact either their healthcare provider or the EPA's Safe Drinking Water Hotline at (800) 426-4791.



## Our Water

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 for disinfection and fluoride is added to promote healthy teeth and bones. Chlorine and fluoride levels are monitored daily. Also, samples are sent to the state lab monthly to be tested for the presence of bacteria.

## CONTACT INFO

For more information or to report problems call 770-967-6371 or 770-967-2151.



## Flowerly Branch Water Quality Report for 2017 Data

### **Organic and Inorganic Contaminants Table:**

Substance	MCL	EPA	FB System	Sample Date	Source of Contaminant
Fluoride	4ppm	0.7-1.2 ppm	0.92 mg/L	Yearly Average	Added
Nitrate/Nitrite	10 ppm	-----	1.10 mg/L	5/12/2017	Wildlife/ Septic Systems
VOCs	2 ppm	-----	ND		Pesticides, Solvents, and Agricultural byproducts
Chlorine	4.0 ppm	0.2-4 ppm	1.17 mg/L	Yearly Average	Added
THMs	0.08mg/L	-----	>0.01mg/L	6/2/2017	Chlorination byproduct
HAA5	0.06mg/L	-----	>0.01mg/L	6/2/2017	Chlorination byproduct

### **Metal Contaminants Table:**

Substance	Action Level	EPA	FB System	# of sites above Action Level	Source of Contaminant
Lead	15 ppb	-----	2.5 ppb	0	Household Plumbing
Copper	1300 ppb	1300 ppb	250 ppb	0	Household Plumbing

\*\*\*\*\*Note: All samples sent to EPA were NEGATIVE for Total Coliform Bacteria.

MCL: Maximum Contaminant Level (highest level of contaminant allowed in drinking water)

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

EPA: Environmental Protection Agency

ppm: parts per million    ppb: parts per billion    1 ppm = 1 mg/L    ND: None Detected

Water covers 71% of the Earth's surface, and its vital for all known forms of life. On Earth 95.5% of the planet's water is found in oceans, 1.7% in glaciers and ice caps, and 0.001% in the air as vapor, clouds, and precipitation. Only 2.5% of the Earth's water is freshwater, and 98.8% of that water is in ice and groundwater. Less than 0.3% of all freshwater is in rivers, lakes, and the atmosphere; and an even smaller amount, 0.003%, is contained within biological life.

