

CITY OF WILLACOOCHEE
2022 WATER QUALITY REPORT
Georgia Water System ID #: GA0030001

Water System Contact:
City Hall (Day)
Glyn Joiner (Emergency cell)

Phone Number:
912-534-5152
229-561-1628

Summary of Water Quality Information

The **City of Willacoochee** drinking water system is owned by the **City of Willacoochee** and operated by **Tindall Enterprises, Inc.** The facility office is located at 33 Fleetwood Avenue in Willacoochee, Georgia. If there are ever any comments or inquiries to be made, please feel free to contact City Hall during regular working hours.

Included in this report is information about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. The **City of Willacoochee** is committed to providing your community with clean, safe, and reliable drinking water. For more information about your water or this report please call **Tindall Enterprises, Inc.** at 912-449-0999. **A copy of this report will not be mailed to individual consumers but is available at City Hall upon request.**

Your water comes from two (2) community *groundwater* wells, which derive water from the *Upper Floridan Aquifer* to provide ample volumes of water for this community. Well 101 is located on McCranie Avenue behind Dollar General and well 102 is located next to the water tower on Ga Route 135 or Peterson Street S. In the event of an emergency where one of these wells could not be used, the City would rely on the remaining well to provide the community's water needs until the equipment is repaired or an alternate source can be found. Necessary treatment is performed at the wells to include chlorine disinfection and removal of contaminants. Well properties are protected from activities which could potentially cause contamination of the water source through the implementation of a ***Wellhead Protection Plan (WHPP)***.

A ***WHPP*** has been completed for the City by the Georgia Department of Natural Resources Environmental Protection Division (GA EPD). This report identifies any types of pollution to which your water supply could be vulnerable and includes information regarding potential sources of contamination in your watershed. A 15-foot radius control zone has been set for both wells, for which no potential pollution sources are cited. Management zones have also been established, 250-foot radius for well 101 and 100-foot radius for well 102. Cited potential pollution sources for these zones include but are not limited to electrical transformers, utility poles, access roads, secondary roads, sewer lines, vehicle parking areas, and stormwater runoff. **For additional information, the complete WHPP report can be requested at City Hall.**

The **City of Willacoochee** water system is tested for more than eighty (80) drinking water parameters on a periodic basis as determined by the GA EPD. Generally, the water system is tested for the presence of volatile organic compounds, synthetic organic compounds, inorganic compounds, radionuclides, lead, and copper once in a three (3) year cycle; nitrate-nitrites, TTHMs and HAA5s annually; and bacteriological content monthly. Sampling schedules are decided by initial contaminant level assessments and can be changed if deemed necessary. EPD may also issue monitoring waivers if testing shows that the distributed drinking water in this area is not vulnerable to contamination.

During 2022, the **City of Willacoochee** water system was sampled and analyzed for bacteriological content, nitrate-nitrites, TTHMs, HAA5s, lead, copper and 2,3,7,8-TCDD. We are pleased to inform you that **the City of Willacoochee had no violations of drinking water standards during 2022. All detected contaminants are delineated in the accompanying chart. Any contaminants not listed in the accompanying charts had results less than the detection limits and/or maximum contaminant levels.**

During the 2022 sample cycle, ten (10) water samples were taken from different areas in your community, including single- and multi-family residences, commercial and municipal buildings. **One** sampled site exceeded *Action Level* for lead, and both contaminants were detected in at least one other sample. This indicates the presence of lead and copper in some service lines.

Lead and copper are metals naturally found throughout the environment in soil and water. These metals can also be found in lead, copper, or brass household plumbing pipes and fixtures. Even consumer products such as paints, pottery, and pewter can contain lead and/or copper. Corrosion or deterioration of lead or copper-based materials, as well as erosion of natural deposits, can release these metals into the 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 City of Willacoochee 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>.

Additionally, the following measures may also be taken to minimize exposure to lead and/or copper:

- Use cold water for drinking or cooking.
- Do not cook with or consume water from the hot water faucet.
- Do not use hot water for making baby formula.
- Use only “lead-free” solder, fluxes and materials in new household plumbing and repairs.

Drinking water, including bottled water, may be expected to contain at least small amounts of 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 (1-800-426-4791).**

Some people may be more vulnerable to contaminants in drinking water than 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 and other microbial contaminants are available from the Safe Drinking Water Hotline at 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, in some cases, 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 the following:

- **Microbial contaminants** such as viruses and bacteria which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **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.
- **Pesticides and herbicides** which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- **Organic chemical contaminants** including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
- **Radioactive contaminants** 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. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The City of Willacoochee strives to maintain the highest standards of performance and quality possible. In order to maintain a safe and dependable water supply, improvements that benefit the community must keep these costs as low as possible by utilizing good water conservation practices.

DEFINITION OF TERMS AND ABBREVIATIONS USED IN THIS REPORT

Maximum Contaminant Level (MCL): “The highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLG as feasible using the best available treatment technology.”

Maximum Contaminant Level Goal (MCLG): “The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG’s 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 contaminants.”

Secondary Maximum Contaminant Level (SMCL): Reasonable goals for drinking water quality. Exceeding SMCL’s may adversely affect odor or appearance, but there is no known risk to human health.

TTHMs (Total Trihalomethanes): One or more of the organic compounds Chloroform, Bromodichloromethane, Chlorodibromomethane, and/or Bromoform.

HAA5s (Haloacetic Acids): One or more of the organic compounds Monochloroacetic Acid, Dichloroacetic Acid, Trichloroacetic Acid, Monobromoacetic Acid, and Dibromoacetic Acid.

**City of Willacoochee
2022 Water Quality Data
WSID: GA0030001**

The table below lists all the drinking water contaminants that have been detected in your drinking water. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The data presented in this table is from testing done during the year noted. The Federal Environmental Protection Agency (EPA) and the Georgia Department of Natural Resources Environmental Protection Division (EPD) require monitoring for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Parameters, values, and/or sources may vary.

DETECTED INORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL [SMCL]	MCLG	City of Willacoochee Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Barium	ppm	2	2	0.051	0.051 to 0.051	2020	No	Erosion of natural deposits
Chlorine	ppm	4	4	0.66	0.66 to 0.66	2021	No	Water additive used for control of microbes
Fluoride	ppm	4 [2]	4	0.47	0.47 to 0.47	2020	No	Erosion of natural deposits; water additive which promotes strong teeth
Iron	ppb	[300]	**	1400	1400 to 1400	2020	No	Erosion of natural deposits
Manganese	ppb	[50]	**	120	120 to 120	2020	No	Erosion of natural deposits

DETECTED ORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL	MCLG	City of Willacoochee Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
HAA5	ppb	60	**	1.1	1.1 to 1.1	2022	No	By product of drinking water disinfection
TTHMs	ppb	80	**	4.0	4.0 to 4.0	2022	No	By product of drinking water disinfection

OTHER DETECTED UNREGULATED CONTAMINANTS TABLE								
Parameter	Units	MCL [SMCL]	MCLG	City of Willacoochee Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Sodium	ppm	**	**	4.1	4.1 to 4.1	2020	No	Erosion of natural deposits

LEAD AND COPPER MONITORING RESULTS								
Parameter	Units	Action Level	MCLG	City of Willacoochee 90th Percentile	# of sample sites above Action Level	Sample Date	Violation No/Yes	Typical Source of Contaminant
Lead	ppb	15	0	5	1 of 10	2022	No	Corrosion of household plumbing
Copper	ppm	1.3	1.3	0.095	0 of 10	2022	No	Corrosion of household plumbing

MICROBIOLOGICAL MONITORING RESULTS								
Parameter	Units	MCL	MCLG	City of Willacoochee # of Positive Samples	Positive Sample Date (Month)	Sample Year	Violation No/Yes	Typical Source of Contaminant
Total Coliform	Present/	1*	0	2	11/22	2022	No	Naturally present in the environment
E. coli	Absent	0	0	0	N/A	2022	No	Human and animal fecal waste

RADIONUCLIDES TABLE								
Parameter	Units	MCL	MCLG	City of Willacoochee Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Alpha emitters	pCi/L	15	0	7.78	7.78 to 7.78	2020	No	Erosion of natural deposits
Combined radium 226/228	pCi/L	5	0	2.40	2.40 to 2.40	2020	No	Erosion of natural deposits

*Total Coliform Rule MCL= 1 positive sample for systems that collect <40 samples a month

** No established MCL, SMCL or MCLG

•N/A: Not applicable to this contaminant •ppb (ug/L): parts per billion or micrograms per liter •ppm (mg/L): parts per million or milligrams per liter •pCi/l: picocuries per liter, a measurement of radiation

•ND (Not Detected): By regulation, this substance or group of substances was tested for in our finished tap water; however, none was detected at the testing limit.

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