



CITY OF GARDEN CITY

2024 CONSUMER CONFIDENCE REPORT

SYSTEM ID #
0510000

ON AVERAGE, HOW MUCH WATER IS USED IN A HOME?



Source: Water Research Foundation, Residential End Uses of Water, Version 2, 2016.

GARDEN CITY, GEORGIA

The City of Garden City has completed and offers for public review the Consumer Water Quality Report, also known as a Consumer Confidence Report (CCR), on the Garden City Water System for the year 2024. 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 Water Operations Department is committed to providing you, our community, with clean, safe, and reliable drinking water for all of us.

Your water comes from our municipal groundwater wells approximately 500-1000 feet deep. This water source is commonly called the Floridan Aquifer and the aquifer provides the City with all its water for the community. The City owns four (4) groundwater wells and four (4) elevated storage tanks located throughout the City. All property is protected from activities which could potentially cause contamination of this water source. We perform treatment at each of these wells prior to the water entering the distribution system to include chlorine disinfection and fluoride treatment. The table included in this report shows that water supplied by the City water system gets an excellent report card when compared to health standards.

Sources of drinking water (both tap water and bottled water) can include rivers, 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 before we treat it can include:

- Microbial contaminants, such as viruses and bacteria which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides & herbicides, which may come from a variety of sources such as agriculture, stormwater runoff, & 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 stormwater runoff and septic systems.
- 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, the Environmental Protection Agency (EPA) sets regulations that limit the amounts of contaminants allowed in water provided by public water systems. Additionally, the Food and Drug Administration's regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

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 (1-800-426-4792).

**POTENTIAL POLLUTION SOURCE (PPS)
INVENTORY:**

PPS #	PPS Code
1	T01
2	007
3	004
4	So5
5	008
6	101

The City's Local Wellhead Protection Ordinance can be found in *Chapter 30, Article VI, Sec. 30-300* of the City's Code.

You can [access the Ordinance here](http://www.gardencity-ga.gov/for-residents/code-of-ordinances) or at <http://www.gardencity-ga.gov/for-residents/code-of-ordinances>



Water System: City of Garden City
County: Chatham
System ID: # 0510000
Number of Wells: 4
System Type: Municipal
Population: 10,263 (2021)
Drinking Water Treatment
Contact: Ms. Dagny Pariani
Title: Water Operations Supervisor
Address: 2 Bud Brown Drive
Garden City, GA 31408

Phone No: (912) 629-2296

A copy of the **City's Well-Head Protection Plan/Source Water Assessment** can be obtained by contacting the Water Department at 912-629-2296

Alternate Water Source:

- 1) Any single well found to be contaminated would be isolated from the distribution system and the City would then utilize one or all of the remaining three (3) wells to provide a source of uncontaminated potable water.
- 2) The City would utilize the 8" water connection from the City of Savannah
- 3) The City would bring in water by tankertrucks for restricted use.

WATER QUALITY DATA

The following tables list all the drinking water contaminants that we detected during the 2024 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water possesses a health risk.

Unless otherwise noted, the data presented in these tables is from testing done January-December 2024. EPA requires 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. Some of the data, though representative of the water quality, is more than one year old.



TERMS & ABBREVIATIONS USED IN THE TABLES BELOW:

- **Maximum Contaminant Level Goal (MCLG):** The level of contaminant in the drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.
- **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's as possible using the best available treatment technology.
- **Action Level (AL):** The concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **N/A:** Not applicable
- **ND:** Not Detectable at testing limit
- **Ppb:** Parts per billion or micrograms per liter
- **Ppm:** Parts per million or milligrams per liter

Lead and Copper Sampling Results								
Analyte	Date Sampled	MCLG	Action Level (AL)	90th Percentile	Range		Units	Violation
					Low	High		
Lead	8/11/2022	0	15	7.3	0	57	ppb	No
Copper	8/11/2022	1300	1300	110	23	220	ppb	No

ABOUT LEAD AND COPPER: Lead and copper sampling occurs once every 3 years and is tested from samples collected directly from homes throughout the city. 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. Garden City 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 formulas, flush your pipes for several minutes. You can do this by running your tap for 30 seconds to 2 minutes, 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 or would like to review lead compliance tap sampling data, contact the Garden City Water Department. 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>.

LEAD AND COPPER SERVICE LINE INVENTORY: In 2024, Garden City completed an inventory of all service lines in the water system. Service lines belonging to the City as well as to the homeowner were identified and categorized into one of the following groups: lead containing, galvanized requiring replacement, non-lead, or status unknown. The results of the survey can be viewed on Georgia's Public Transparency Dashboard at <http://ga-epd.120water-ptd.com/>.

ABOUT NITRATES: Nitrate levels above 10 mg/L are a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rain fall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider. Garden City's 2024 test results did not detect nitrates in the water system. MCL for nitrate is 10 mg/L.



DISINFECTION BY-PRODUCT MONITORING AND REPORTING REQUIREMENT: Garden City's Water System was tested for compliance with the Stage I Disinfection and Disinfection By-Products Rule. The following are the results of the 2024 analysis:

Regulated Contaminants								
Disinfection and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2024	1	1.0-1.0	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes
Total Trihalomethanes (TTHM)	2024	6	6.0-6.0	No goal for the total	80	ppb	N	By-product of drinking water disinfection
Inorganic Contaminants								
Fluoride	2024	0.8	0.45 - 0.8	4	4	ppm	N	Erosion of natural deposits. Water additive which promotes strong teeth. Discharge from fertilizer and aluminum factories

IS THE GARDEN CITY WATER SYSTEM MEETING OTHER RULES THAT GOVERN OUR OPERATIONS? The Georgia Environmental Protection Division (EPD) and EPA require the City to test our water on a regular basis to ensure its safety. The Garden City Water System is classified as a medium water system under EPD and is required under the Safe Drinking Water Act (SDWA) to collect and submit for testing ten (10) water samples per month for Total Coliform to ensure the water is safe for human consumption. None of the samples collected and analyzed for Total Coliform during 2024 were positive for bacterial contamination.

The Garden City Water System is issued a withdrawal permit from EPD which is capped at 1.141 million gallons per day annual average for your source of water. On January 1st, 2025, the city's withdrawal limits decrease to 1.030 mgd annual average. Please adhere to the state mandated water conservation restrictions as our water is a precious resource.

The city has won the Platinum Award for complete and consistent Safe Drinking Water Act permit compliance and received a Water Fluoridation Quality Award from the Center for Disease Control (CDC).

Consumer Confidence Rule			
The Consumer Confidence Rule requires community water systems to prepare and provide to their customers annual consumer confidence reports on the quality of the water delivered by the systems			
Violation Type	Violation Begin	Violation End	Violation Explanation
CCR Report	7/1/2024	7/18/2024	We failed to provide you, our drinking water customers, an annual report that informs you about the quality of our drinking water and characterizes the risks from exposure to contaminants detected in our drinking water. The report was revised, resubmitted, and approved by EPD

UNREGULATED CONTAMINANTS RULE: Garden City is participating in unregulated contaminants monitoring as required by EPA. Unregulated contaminants are chemicals that EPA is now considering as important substances to monitor for and include per- and polyfluoroalkyl substances (PFAS), also known as “forever chemicals”. Garden City is required to test for PFAS during two sampling events in 2025. For more information on PFAS and the water system please visit the Water Department’s informational page on the Garden City website.

WATER CONSERVATION

If you know of or see any water leaks or abuse of water conservation practices, it should be reported to the Garden City Utility Billing Department by calling (912) 963-2752.



CITY-WIDE WATERING RESTRICTIONS ARE STILL IN PLACE!

The following outdoor watering schedule applies for all of Chatham County:

Odd-numbered addresses may water only on Tuesdays, Thursdays,

and Sundays

Even-numbered addresses may water only on Mondays, Wednesdays, and Saturdays

AND REMEMBER:

- **NO WATERING** is allowed between the hours of **10:00 AM to 4:00 PM**; and
- **NO WATERING** is allowed **on Fridays**.

Water customers will be monitored for violating watering restrictions. For water restrictions info go to www.gardencity-ga.gov

WATER CONSERVATION TIPS

1. Set a kitchen timer when watering your lawn or garden to remind you when to stop. A running hose can discharge up to 10 gallons a minute.

2. When the kids want to cool off, use the sprinkler in an area where your lawn needs it the most.

3. Don't use running water to thaw food. Defrost food in the refrigerator for water efficiency and food safety.

4. Collect the water you use for rinsing fruits and vegetables, and then reuse it to water houseplants.

5. Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.

6. Don't use the toilet as a trashcan. Every time you flush, you use 3 to 6 gallons of water.

7. Go to www.gardencity-ga.gov/city-government/water-operations/water-saving-tips for 100 easy ways you can conserve water!





Garden City is a *WaterFirst Community*!

This designation demonstrates Garden City's commitment to responsible water stewardship for environmental and economic benefits today and in the future.



G A R D E N C I T Y

The City of Garden City is Notifying its Water Customers Through this Special Notice Being Posted in the Local Newspaper and City's Website that the Annual Consumer Confidence Report (CCR) Will Not be Mailed or Delivered to its Customers.

Copies Are Available Upon Request at the Water Department Office, 100 Central Avenue, Garden City, Georgia 31405, or by calling Dagny Pariani at 912-629-2296 or [on the City's website at http://www.gardencity-ga.gov/city-government/water-operations](http://www.gardencity-ga.gov/city-government/water-operations)