

WATER QUALITY REPORT 2022

System ID # GA2410006 Kingwood W & S Water System

March 2023

Special Information

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. Kingwood 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>.

IMMUNO-COMPROMISED LANGUAGE

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. EPNCDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791)

DRINKING AND BOTTLED WATER LANGUAGE

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 EPA's Safe Drinking Water Hotline (1-800-426-4791)

SOURCES OF DRINKING WATER AND PRESENCE OF CONTAMINANTS LANGUAGE

The source of water for Kingwood located in Rabun County is purchase water. Their water is purchased from Clayton County Water System. 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 fanning.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater 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 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, EPA prescribes regulations which limit the number 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.

Special points of interest:

- Multiple tests are performed annually to confirm our water quality.
- Call Rick Jeffares at (706) 316-2691 to report problems, ask questions or for information on the water system.
- Our drinking water met or exceeded all safety and quality standards.
- All test results noted in the report are from data collected during 2022

Kingwood W & S Water System Water Quality Report 2022

Regulated Contaminants Table:

<u>Substance</u>	<u>Collection Date</u>	<u>Highest Level Detected</u>	<u>Range of Levels Detected</u>	<u>MCLG</u>	<u>MCL</u>	<u>Units</u>	<u>Violation</u>	<u>Source of Contamination</u>
HAA5s	09/15/2021	39.2	39.2-39.2	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
TTHM	09/15/2021	49.9	49.9-49.9	No goal for the total	80	ppb	No	By-product of drinking water disinfection.

Lead and Copper Table:

Lead & Copper Table

<u>Substance</u>	<u>Sample Date</u>	<u>MCLG</u>	<u>Action Level</u>	<u>90th Percentile</u>	<u># of Sites over AL</u>	<u>Units</u>	<u>Violation</u>	<u>Source of Contaminant</u>
Copper	09/09/2021	1.3	1.3	0.012	0	ppm	No	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

Contaminants that may be present in Source water before we treat it could include:

Microbial contaminants (such as viruses and bacteria) may come from septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants (such as salts and metals) may be naturally occurring or result from urban runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Terms and Abbreviations Found in this Report:

Action Level (AL) – The concentration of a contaminant which, when exceeded, triggers treatment or other Requirements which a water system must follow.

Environmental Protection Agency (EPA) - The United States Environmental Protection Agency (Federal Level).

Environmental Protection Division (EPD) - The Georgia Department of Natural Resources Environmental Protection Division (State Level).

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 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.;

Treatment Technique (TT) – a required process intended to reduce the level of a contaminant in drinking water.;

Not Applicable (N/A) - does not apply at this time;

Not Detectable (ND) - if a contaminate is present it is at levels below what current technology is able to detect.;

Present/Absence (P/A)- The Presence or Absence of these bacteria in the water

Ppb– parts per billion molecules;

Ppm– parts per million molecules. Also, may be expressed milligrams per Liter;

Mg/L– milligrams of substance per a Liter of liquid.

Pesticides and Herbicides 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 byproducts of industrial processes and petroleum production, and can also, come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

Violations Table				
Public Notification Rule				
The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water (e.g., a boil water emergency).				
Violation Type	Violation Begin	Violation End	Violation Explanation	
PUBLIC NOTICE RULE LINKED TO VIOLATION	01/21/2021	2022	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.	