



**2025 WATER QUALITY REPORT  
NICHOLSON WATER AUTHORITY**

**GA1570004**

5488 HWY 441 S, NICHOLSON GA 30565  
706-757-2230



THIS WATER QUALITY REPORT IS INTENDED TO INFORM OUR CUSTOMERS OF WHERE THEIR DRINKING WATER COMES FROM, HOW ITS TREATED, WHAT IT CONTAINS, AND HOW IT COMPARES TO STANDARDS SET BY REGULATORY AGENCIES. OUR EMPLOYEES ARE COMMITTED TO PROVIDE OUR CUSTOMERS AND COMMUNITY WITH SAFE, DEPENDABLE TAP WATER.

### **WHERE DOES MY WATER COME FROM?**

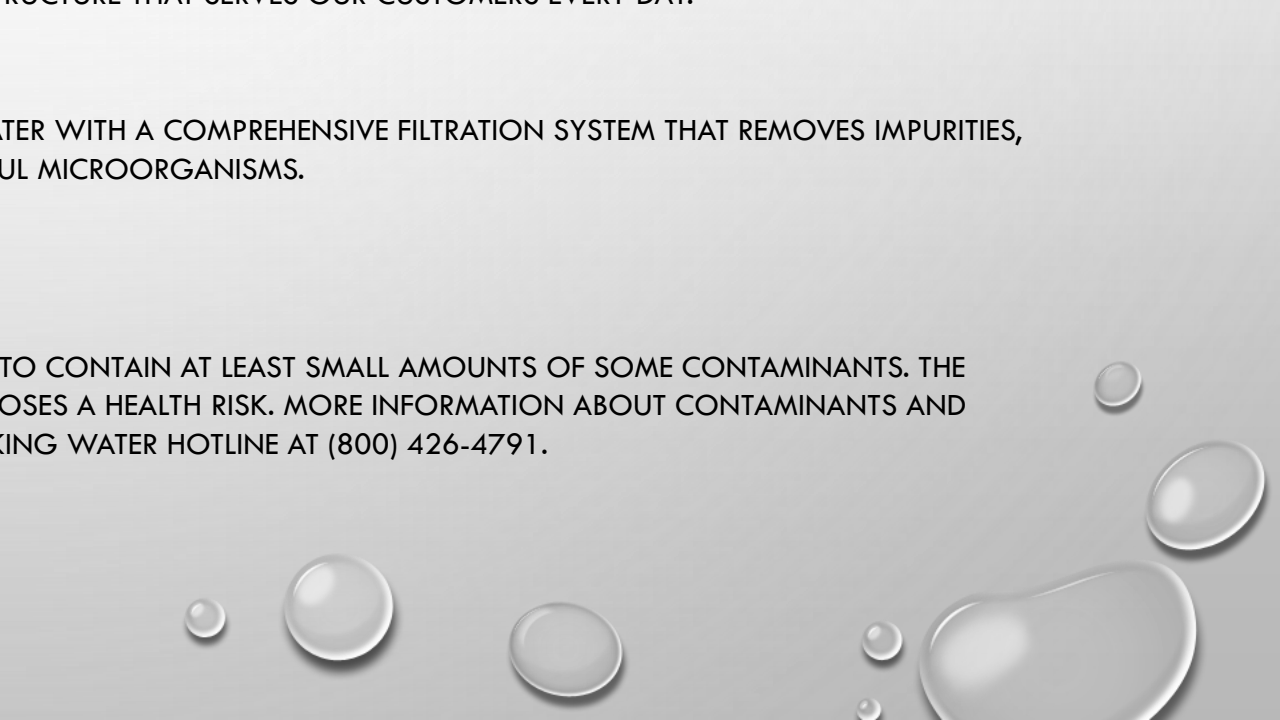
NICHOLSON WATER AUTHORITY PROUDLY PROVIDES RELIABLE WATER SERVICE TO THE RESIDENTS AND BUSINESSES OF NICHOLSON, GEORGIA. OUR SYSTEM OPERATES ON FIVE ACTIVE WELLS THAT SUPPLY CLEAN, DEPENDABLE GROUNDWATER TO THE COMMUNITY. TO ENSURE CONSISTENT WATER AVAILABILITY AND PRESSURE, WE MAINTAIN TWO HOLDING TANKS THAT SUPPORT DAILY OPERATIONS AND EMERGENCY RESERVE CAPACITY. WE ARE COMMITTED TO DELIVERING SAFE, HIGH-QUALITY WATER WHILE MAINTAINING AND IMPROVING THE INFRASTRUCTURE THAT SERVES OUR CUSTOMERS EVERY DAY.

### **HOW IS THE WATER TREATED?**

TO PROTECT PUBLIC HEALTH AND MAINTAIN WATER QUALITY, WE TREAT OUR WATER WITH A COMPREHENSIVE FILTRATION SYSTEM THAT REMOVES IMPURITIES, FOLLOWED BY CHLORINATION TO DISINFECT AND SAFEGUARD AGAINST HARMFUL MICROORGANISMS.

### **CONTAMINANTS AND HEALTH RISKS FOUND IN DRINKING WATER**

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 AT (800) 426-4791.






SOME PEOPLE MAY BE MORE VULNERABLE TO CONTAMINANTS IN DRINKING WATER THAN THE GENERAL POPULATION.

CONTAMINANTS MAY BE FOUND IN DRINKING WATER THAT MAY CAUSE TASTE, COLOR, OR ODOR PROBLEMS. THESE TYPES OF PROBLEMS ARE NOT NECESSARILY CAUSES FOR HEALTH CONCERNS. FOR MORE INFORMATION ON TASTE, ODOR, OR COLOR OF DRINKING WATER, PLEASE CONTACT THE SYSTEM'S BUSINESS OFFICE.

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 (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:

- ❖ **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 WATER 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, 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 AMOUNT OF CERTAIN CONTAMINANTS IN WATER PROVIDED BY PUBLIC WATER SYSTEMS. FDA REGULATIONS ESTABLISH LIMITS FOR CONTAMINANTS IN BOTTLED WATER WHICH MUST PROVIDE THE SAME PROTECTION FOR PUBLIC HEALTH.

## OUR DRINKING WATER IS REGULATED

NICHOLSON WATER AUTHORITY IS PLEASED TO PRESENT THIS REPORT TO OUR CUSTOMERS. IT PROVIDES A SUMMARY OF THE QUALITY OF THE WATER WE DELIVER THROUGHOUT THE YEAR. THIS ANALYSIS COVERS THE PERIOD FROM JANUARY 1 TO DECEMBER 31, 2025, AND IS BASED ON THE RESULTS OF THE MOST RECENT TESTS REQUIRED BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA). THE FOLLOWING PAGES PRESENT THIS INFORMATION IN DETAIL, HELPING YOU UNDERSTAND WHAT'S IN YOUR DRINKING WATER AND HOW WE WORK TO KEEP IT SAFE AND RELIABLE.

### TERMS AND ABBREVIATIONS USED IN TABLE:

- ❖ **MCLG (MAXIMUM CONTAMINANT LEVEL GOAL):** THE LEVEL OF A CONTAMINANT IN DRINKING WATER BELOW WHICH THERE IS NO KNOWN OR EXPECTED RISK TO HEALTH. MCLGS ALLOW FOR A MARGIN OF SAFETY.
- ❖ **MCL (MAXIMUM CONTAMINANT LEVEL):** THE HIGHEST LEVEL OF A CONTAMINANT THAT IS ALLOWED IN DRINKING WATER. MCLS ARE SET AS CLOSE TO THE MCLGS AS FEASIBLE USING THE BEST AVAILABLE TREATMENT TECHNOLOGY.
- ❖ **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 MICROBIOLOGICAL 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.
- ❖ **AL (ACTION LEVEL):** THE CONCENTRATION OF A CONTAMINANT WHICH, IF EXCEEDED, TRIGGERS TREATMENT OR OTHER REQUIREMENTS WHICH A WATER SYSTEM MUST FOLLOW.
- ❖ **PARTS PER MILLION (PPM):** OR MILLIGRAMS PER LITER (MG/L) - ONE PART PER MILLION CORRESPONDS TO ONE MINUTE IN TWO YEARS OR A SINGLE PENNY IN \$10,000.
- ❖ **PARTS PER BILLION (PPB):** OR MICROGRAMS PER LITER ( $\mu\text{G}/\text{L}$ ) - ONE PART PER BILLION CORRESPONDS TO ONE MINUTE IN 2,000 YEARS, OR A SINGLE PENNY IN \$10,000,000.
- ❖ **TREATMENT TECHNIQUE (TT):** A REQUIRED PROCESS INTENDED TO REDUCE THE LEVEL OF A CONTAMINANT IN DRINKING WATER.

**TURBIDITY UNITS (NTU):** MEASURE OF THE CLARITY OF WATER.

## REGULATED CONTAMINANTS DETECTED

### COLIFORM BACTERIA -

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample	1		0	N	Naturally present in the environment

### Lead and Copper –

Definitions:

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety. Action Level:

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	#Sites Over AL	Units	Violation	Likely Source of Contamination
<b>Copper</b>	06/24/2024	1.3	1.3	.45	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
<b>Lead</b>	06/24/2024	0	15	3	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

## REGULATED CONTAMINANTS

Disinfectants and Disinfectants By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2025	1	1 – 1	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	06/12/2024	0.11	1 – 0.11	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	2025	7	0 – 6.5	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Gross alpha excluding radon and uranium	2025	7.26	0 – 7.26	0	15	pCi/L	N	Erosion of natural deposits

## 2024 CCR SUPPLEMENTAL LEAD AND COPPER CCR INFORMATION FOR GA1570004 WATER SYSTEM

**Lead:** *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. NICHOLSON WATER AUTHORITY 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 formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, 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, contact **706-757-2230 EXT. 4**. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.*

### Lead and Copper Range Data.

Analyte	Date Sampled	MCLG	Action Level (AL)	Range		Units	Violation
				Low	High		
Lead	6/19/2024	0	15	0	14	ppb	N
Copper	6/19/2024	1.3	1.3	13	520	ppm	N

**To access all individual Lead Tap Sample results for GA 1570004, NICHOLSON WATER AUTHORITY – 5488 HWY 441 S, NICHOLSON, GA 30565.**

THE SERVICE LINE INVENTORY (SLI) IS A REQUIREMENT UNDER THE LEAD AND COPPER RULE REVISIONS (LCRR) TO HELP WATER SYSTEMS IDENTIFY AND REPLACE LEAD SERVICE LINES. IT MANDATES THAT ALL PUBLIC WATER SYSTEMS DEVELOP AND MAINTAIN AN INVENTORY OF SERVICE LINE MATERIALS TO ASSESS THE PRESENCE OF LEAD AND PROTECT PUBLIC HEALTH. THE INVENTORY WILL SUPPORT PROACTIVE LEAD REDUCTION EFFORTS AND ENSURE COMPLIANCE WITH REGULATORY REQUIREMENTS TO MINIMIZE LEAD EXPOSURE IN DRINKING WATER.

**TO ACCESS THE SLI FOR GA 1570004, NICHOLSON WATER AUTHORITY – 5488 HWY 441 S, NICHOLSON, GA 30565.**

**FOR MORE INFORMATION:**

FOR MORE INFORMATION REGARDING THIS REPORT OR TO RECEIVE AN INDIVIDUAL COPY, PLEASE CONTACT TOSHA GADDIS AT NICHOLSON WATER AUTHORITY AT (706)-757-2230 EXT. 4. COPIES MAY BE SEEN AT OUR OFFICE AT - 5488 HWY 441 S, NICHOLSON GA 30565. OR OUR WEBSITE AT [www.nicholsonwaterauthority.com](http://www.nicholsonwaterauthority.com)

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