



2025 Annual Drinking Water Quality Report

TOWN OF BENSON

Water System Number: NC 03-51-025

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Introduction

We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is a snapshot of last year's water quality. Included are details about your source(s) of water, what it contains, and how it compares to standards set by regulatory agencies. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water and to providing you with this information because informed customers are our best allies. **If you have any questions about this report or concerning your water, please contact Town Hall at (919)-894-3553. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held at the Benson Municipal Building at 303 E Church Street on the 2nd Tuesday of each month at 7 PM and on the 2nd Thursday following the first meeting at 7 PM.**

What EPA Wants You to Know

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 Environmental Protection Agency's Safe Drinking Water Hotline (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 (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 stormwater 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 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 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.

Lead in Drinking Water

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 Town of Benson is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk.

Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact the Town of Benson at 919-894-3553. 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>.

We have been working to identify service line materials throughout the water system and prepared an inventory of all service lines in our water system. To access this inventory, contact the Town of Benson Public Works Department at 919-894-3553 ext.710.

When You Turn on Your Tap, Consider the Source

The water that is used by this system is Purchased surface water from the Neuse River and supplied by Johnston County West Utilities PWS# NC0351070 and Johnston County East Utilities PWS# NC4051018. Water is also purchased from the City of Dunn PWS# NC0343010 originating from the Cape Fear River.

Source Water Assessment Program (SWAP) Results

The North Carolina Department of Environmental Quality (DEQ), Public Water Supply (PWS) Section, Source Water Assessment Program (SWAP) conducted assessments for all drinking water sources across North Carolina. The purpose of the assessments was to determine the susceptibility of each drinking water source (well or surface water intake) to Potential Contaminant Sources (PCSs). The results of the assessment are available in SWAP Assessment Reports that include maps, background information and a relative susceptibility rating of Higher, Moderate or Lower.

The relative susceptibility rating of each source for the Town of Benson was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and the inherent vulnerability rating (i.e., characteristics or existing conditions of the well or watershed and its delineated assessment area). The assessment findings are summarized in the table below:

Susceptibility of Sources to Potential Contaminant Sources (PCSs)

Source Name	Susceptibility Rating	SWAP Report Date
Cape Fear River	Higher	September 2020
Neuse River	Higher	September 2020

The complete SWAP Assessment report for the Town of Benson may be viewed on the Web at: <https://www.ncwater.org/?page=600> Note that because SWAP results and reports are periodically updated by the PWS Section, the results available on this website may differ from the results that were available at the time this CCR was prepared. If you are unable to access your SWAP report on the web, you may mail a written request for a printed copy to: Source Water Assessment Program – Report Request, 1634 Mail Service Center, Raleigh, NC 27699-1634, or email requests to swap@deq.nc.gov. Please indicate your system name, number, and provide your name, mailing address and phone number. If you have any questions about the SWAP report, please contact the Source Water Assessment staff by phone at (919) 707-9098.

It is important to understand that a susceptibility rating of “higher” does not imply poor water quality, only the system’s potential to become contaminated by PCSs in the assessment area.

Help Protect Your Source Water

Protection of drinking water is everyone’s responsibility. We have implemented the following source water protection actions:

You can help protect your community's drinking water sources by disposing of chemicals properly, taking used motor oil to a recycling center, volunteering in your community in group efforts such as Benson's annual cleanup day to protect your source, etc.

Violations that Your Water System Received for the Report Year

During 2025, or during any compliance period that ended in 2025, the Town of Benson received no violations.

Important Drinking Water Definitions:

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

Herbicide – Any chemical(s) used to control undesirable vegetation.

Maximum Contaminant Level (MCL) - 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 Contaminant Level Goal (MCLG) - 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.

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 (ug/L) - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Pesticide – Generally, any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest.

Locational Running Annual Average (LRAA) – The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters under the Stage 2 Disinfectants and Disinfection Byproducts Rule.

Maximum Residual Disinfection 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 Disinfection 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.

Million Fibers per Liter (MFL) - Million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Not-Applicable (N/A) – Information not applicable/not required for that particular water system or for that particular rule.

Non-Detects (ND) - Laboratory analysis indicates that the contaminant is not present at the level of detection set for the particular methodology used.

Parts per trillion (ppt) or Nanograms per liter (nanograms/L) - One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Running Annual Average (RAA) – The average of sample analytical results for samples taken during the previous four calendar quarters.

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

Water Quality Data Tables of Detected Contaminants (Town of Benson, PWS # NC 03-51-025)

We routinely monitor for over 150 contaminants in your drinking water according to Federal and State laws. The tables below list all the drinking water contaminants that we detected in the last round of sampling for each particular contaminant group. The presence of contaminants does not necessarily indicate that water poses a health risk. **Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, 2025.** The EPA and the State allow us to monitor 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.

Lead and Copper Contaminants

The table summarizes our most recent lead and copper tap sampling data. If you would like to review the complete lead tap sampling data, please email Ray Adams, water system operator at radams@townofbenson.com.

Contaminant (units)	Sample Date	Your Water (90 th Percentile)	Number of sites found above the AL	Range		MCLG	AL	Likely Source of Contamination
				Low	High			
Copper (ppm) (90 th percentile)	7/6 – 8/13/25	0.089	0	ND	0.139	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	7/6 – 8/13/25	ND	0	ND		0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Stage 2 Disinfection Byproducts (DBPs) Total Trihalomethanes (TTHM) and Haloacetic Acids (five) (HAA5)

Disinfection Byproduct	Year Sampled	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)	2025	N	38 (ppb)	17	59	N/A	80	Byproduct of drinking water disinfection
HAA5 (ppb)	2025	N	19 (ppb)	17	46	N/A	60	Byproduct of drinking water disinfection

Disinfectant Residuals Summary

	MRDL Violation Y/N	Your Water (RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
			Low	High			
Chlorine (ppm)	N	0.4	0.15	1.82	4	4.0	Water additive used to control microbes
Chloramines (ppm)	N	2.34	1.54	3.27	4	4.0	Water additive used to control microbes

Asbestos Contaminant

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Total Asbestos (MFL)	8/4/22	N	ND	ND		ND	7	Decay of asbestos cement water mains; erosion of natural deposits

Microbiological Contaminants in the Source Water

Fecal Indicator	Number of "Positive/Present" Samples	Date(s) of fecal indicator-positive source water samples	Source of fecal contamination, if known	Significant Deficiency Cited by the State? Y/N (If "Y", see explanation below)	MCLG	MCL	Likely Source of Contamination
<i>E. coli</i> , (presence or absence)	0	N/A	N/A	N	0	0	Human and animal fecal waste

Enterococci or coliphage (presence or absence)	0	N/A	N/A	N	0	TT	Human and animal fecal waste
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Town of Benson Data

Unregulated Contaminants Monitoring Regulation (UCMR5)

Entry Point 1

Contaminant (units)	Sample Date	Your Water (average)	Range	
			Low	High
Perfluorobutanoic acid (PFBA)	2024	0.006 ppb	< MRL	0.007 ppb
Perfluorobutanesulfonic acid (PFBS)	2024	0.005 ppb	< MRL	0.007 ppb
Perfluoroheptanoic acid (PFHpA)	2024	0.004 ppb	< MRL	0.005 ppb
Perfluorohexanoic acid (PFHxA)	2024	0.009 ppb	0.006	0.012 ppb
Perfluorohexanesulfonic acid (PFHxS)	2024	0.004 ppb	< MRL	0.005 ppb
Perfluorooctanoic acid (PFOA)	2024	0.007 ppb	0.006	0.009 ppb
Perfluorooctanesulfonic acid (PFOS)	2024	0.012 ppb	0.011	0.015 ppb
Perfluoropentanoic acid (PFPeA)	2024	0.009 ppb	0.006	0.011 ppb

Entry Point 2

Contaminant (units)	Sample Date	Your Water (average)	Range	
			Low	High
Perfluorobutanoic acid (PFBA)	2024	0.007 ppb	< MRL	0.008 ppb
Perfluorobutanesulfonic acid (PFBS)	2024	0.005 ppb	0.004	0.007 ppb
Perfluoroheptanoic acid (PFHpA)	2024	0.004 ppb	0.003	0.005 ppb
Perfluorohexanoic acid (PFHxA)	2024	0.009 ppb	0.006	0.011 ppb
Perfluorohexanesulfonic acid (PFHxS)	2024	0.003 ppb	< MRL	0.004 ppb
Perfluorooctanoic acid (PFOA)	2024	0.007 ppb	0.006	0.008 ppb
Perfluorooctanesulfonic acid (PFOS)	2024	0.010 ppb	0.009	0.012 ppb
Perfluoropentanoic acid (PFPeA)	2024	0.009 ppb	0.006	0.012 ppb

Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted. If you are interested in examining the results, please email Ray Adams, water system operator at radams@townofbenson.com

End Town of Benson Data

Water Quality Data Tables of Detected Contaminants (City of Dunn, PWS # NC 03-43-010)

Lead and Copper Contaminants

The table summarizes our most recent lead and copper tap sampling data. If you would like to review the complete lead tap sampling data, please email us at Dunnwp@dunn-nc.org.

Contaminant (units)	Sample Date	Your Water (90 th Percentile)	Number of sites found above the AL	Range		MCLG	AL	Likely Source of Contamination
				Low	High			
Copper (ppm) (90 th percentile)	8/19-9/11/25	0.09202 (ppm)	0	N/D	0.107 (ppm)	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	8/19-9/11/25	N/D	0	N/D	3.8 (ppb)	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Stage 2 Disinfection Byproducts (DBPs) Total Trihalomethanes (TTHM) and Haloacetic Acids (five) (HAA5)

Disinfection Byproduct	Year Sampled	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)	2025	N	45 (ppb)	23.3	40.6 (ppb)	N/A	80	Byproduct of drinking water disinfection
HAA5 (ppb)	2025	N	39 (ppb)	18.6	44.6 (ppb)	N/A	60	Byproduct of drinking water disinfection

Disinfectant Residuals Summary

	MRDL Violation Y/N	Your Water (RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
			Low	High			
Chlorine (ppm)	N	0.64 (ppm)	0	3 (ppm)	4	4.0	Water additive used to control microbes
Chloramines (ppm)	N	2.44 (ppm)	1.1	3.5 (ppm)	4	4.0	Water additive used to control microbes

Inorganic Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Fluoride (ppm)	1/7/25	N	0.61 (ppm)	N/A		4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

Turbidity*

Contaminant (units)	Treatment Technique (TT) Violation Y/N	Your Water	MCLG	Treatment Technique (TT) Violation if:	Likely Source of Contamination

Turbidity (NTU) - Highest single turbidity measurement	N	0.26 NTU	N/A	Turbidity > 1 NTU	Soil runoff
Turbidity (%) - Lowest monthly percentage (%) of samples meeting turbidity limits	N	100 %	N/A	Less than 95% of monthly turbidity measurements are \leq 0.3 NTU	

* Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The turbidity rule requires that 95% or more of the monthly samples must be less than or equal to 0.3 NTU.

City of Dunn Data

Total Organic Carbon (TOC)

Contaminant (units)	TT Violation Y/N	Your Water (lowest RAA)	Range Monthly Removal Ratio Low - High	MCLG	Treatment Technique (TT) violation if:	Likely Source of Contamination
Total Organic Carbon (TOC) Removal Ratio (no units)	N	3.04	0.95-1.42	N/A	Removal Ratio RAA <1.00 and alternative compliance criteria was not met	Naturally present in the environment

Unregulated Contaminants Monitoring Regulation (UCMR)

UCMR5 sampling 2023

Entry Point 1

Contaminant (units) ppb	Sample Date	Your Water	Range	
			Low	High
perfluorobutanoic acid (PFBA)	2023	0.010 ppb	0.007	0.013 ppb
perfluoropentanoic acid (PFPeA)	2023	0.013 ppb	0.008	0.022 ppb
perfluorohexanoic acid (PFHxA)	2023	0.012 ppb	0.008	0.020 ppb
perfluoroheptanoic acid (PFHpA)	2023	0.005 ppb	0.004	0.008 ppb
perfluorooctanoic acid (PFOA)	2023	0.009 ppb	0.006	0.012 ppb

Perfluorobutanesulfonic acid (PFBS)	2023	0.008 ppb	0.005 – 0.014 ppb
Perfluorohexanesulfonic acid (PFHxS)	2023	0.004 ppb	0.003 – 0.005 ppb
perfluorooctanesulfonic acid (PFOS)	2023	0.012 ppb	0.01-0.014 ppb

City of Dunn Data

UCMR5 sampling 2024

Entry Point 1

Contaminant (units) ppb	Sample Date	Your Water	Range	
			Low	High

perfluorobutanoic acid (PFBA)	1/8/2024	0.0070ppb	N/A
perfluoropentanoic acid (PFPeA)	1/8/2024	0.0102 ppb	N/A
perfluorohexanoic acid (PFHxA)	1/8/2024	0.0110ppb	N/A
perfluoroheptanoic acid (PFHpA)	1/8/2024	0.0047 ppb	N/A
perfluorooctanoic acid (PFOA)	1/8/2024	0.0087 ppb	N/A
Perfluorobutanesulfonic acid (PFBS)	1/8/2024	0.0069 ppb	N/A
Perfluorohexanesulfonic acid (PFHxS)	1/8/2024	0.0040 ppb	N/A
perfluorooctanesulfonic acid (PFOS)	1/8/2024	0.0129 ppb	N/A

Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future

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regulations are warranted. If you are interested in examining the results, please contact us at Dunnwp@dunn-nc.org.

Contaminant (units)	Sample Date	Your Water	Range		SMCL
			Low	High	
Sodium (ppm)	1/7/25	21.7 (ppm)	N/A		N/A
Sulfate (ppm)	1/7/25	37.1 (ppm)	N/A		250
pH	1/7/25	6.9	N/A		6.5 to 8.5

The PWS Section requires monitoring for other misc. contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.

Other Miscellaneous Water Characteristics Contaminants

End City

of Dunn Data

Water Quality Data Tables of Detected Contaminants (Johnston County West, PWS # NC 03-51-070)

Lead and Copper Contaminants

The table summarizes our most recent lead and copper tap sampling data. If you would like to review the complete lead tap sampling data, please email us at publicutilities@johnstonnc.gov.

Contaminant (units)	Sample Date	Your Water (90 th Percentile)	Number of sites found above the AL	Range		MCLG	AL	Likely Source of Contamination
				Low	High			
Copper (ppm) (90 th percentile)	5/14/24 - 5/31/24	0.1	0	0 – 0.2		1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	5/14/24 – 5/31/24	0	1	0-89		0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm) (90 th percentile)	9/10/24 – 10/22/24	0.1	0	0 – 0.2		1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	9/10/24 – 10/22/24	0	0	0 - 0		0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Stage 2 Disinfection Byproducts (DBPs) Total Trihalomethanes (TTHM) and Haloacetic Acids (five) (HAA5)

Disinfection Byproduct	Year Sampled	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)	2025	N	57	16	71	N/A	80	Byproduct of drinking water disinfection
HAA5 (ppb)	2025	N	41	9	44	N/A	60	Byproduct of drinking water disinfection

Disinfectant Residuals Summary

	MRDL Violation Y/N	Your Water (RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
			Low	High			
Chlorine (ppm)	N	0.83	0.09	3.45	4	4.0	Water additive used to control microbes
Chloramines (ppm)	N	2.31	0	3.82	4	4.0	Water additive used to control microbes

Nitrate/Nitrite Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Nitrate (as Nitrogen) (ppm)	2/4/25	N	1.18	N/A		10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Turbidity*

Contaminant (units)	Treatment Technique (TT) Violation Y/N	Your Water	MCLG	Treatment Technique (TT) Violation if:	Likely Source of Contamination
Turbidity (NTU) - Highest single turbidity measurement	N	0.098 NTU	N/A	Turbidity > 1 NTU	Soil runoff
Turbidity (%) - Lowest monthly percentage (%) of samples meeting turbidity limits	N	100%	N/A	Less than 95% of monthly turbidity measurements are ≤ 0.3 NTU	
<p>* Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The turbidity rule requires that 95% or more of the monthly samples must be less than or equal to 0.3 NTU.</p>					

Johnston County West Data

Total Organic Carbon (TOC)

Contaminant (units)	TT Violation Y/N	Your Water (lowest RAA)	Range Monthly Removal Ratio Low - High	MCLG	Treatment Technique (TT) violation if:	Likely Source of Contamination
Total Organic Carbon (TOC) Removal Ratio (no units)	N	1.24	1.15 – 1.42	N/A	Removal Ratio RAA <1.00 and alternative compliance criteria was not met	Naturally present in the environment

Unregulated Contaminants Monitoring Regulation (UCMR)

Contaminant (units) (ppb)	Sample Date	Your Water (average)	Range	
			Low	High
PFPeA	2/25 4/25 5/25 9/25	0.00504	0.00304 – 0.00778	
PFHxS	2/25 4/25 5/25 9/25	0.00217	ND – 0.00446	
PFOA	2/25 4/25 5/25 9/25	0.0040	ND – 0.00610	
PFBS	2/25 4/25 5/25 9/25	0.0020	ND – 0.00426	
PFHxA	2/25 4/25 5/25 9/25	0.0043	0.00347 – 0.00829	
PFOS	2/25 4/25 5/25 9/25	0.0079	ND – 0.0125	
PFBA	2/25 4/25 5/25 9/25	0.00041	ND – 0.0050	
PFHpA	2/25 4/25 5/25 9/25	0.0009	ND – 0.00446	

Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted. If you are interested in examining the results, please contact us at publicutilities@johnstonnc.gov

Other Miscellaneous Water Characteristics Contaminants

Contaminant (units)	Sample Date	Your Water	Range		SMCL
			Low	High	
Sodium (ppm)	3/4/25	32.1	N/A		N/A
pH	3/4/25	7.3	N/A		6.5 to 8.5

The PWS Section requires monitoring for other misc. contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.

End Johnston County West Data

Water Quality Data Tables of Detected Contaminants (Johnston County East, PWS # NC40-51-018)

Lead and Copper Contaminants

The table summarizes our most recent lead and copper tap sampling data. If you would like to review the complete lead tap sampling data, please email us at publicutilities@johnstonnc.gov.

Contaminant (units)	Sample Date	Your Water (90 th Percentile)	Number of sites found above the AL	Range		MCLG	AL	Likely Source of Contamination
				Low	High			
Copper (ppm) (90 th percentile)	7/10/2023-7/13/2023	0.1	0	0	0.1	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	7/10/23-7/13/23	0	0	0	0	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Stage 2 Disinfection Byproducts (DBPs) Total Trihalomethanes (TTHM) and Haloacetic Acids (five) (HAA5)

Disinfection Byproduct	Year Sampled	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)	2025	N	69	0	76	N/A	80	Byproduct of drinking water
HAA5 (ppb)	2025	N	39	0	36	N/A	60	Byproduct of drinking water

Disinfectant Residuals Summary

Contaminant (units)	MRDL Violation Y/N	Your Water (RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
			Low	High			
Chlorine (ppm)	N	1.03	0.2	2.18	4	4.0	Water additive used to control microbes

Inorganic Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Fluoride (ppm)	4/1/25	N	0.14	N/A	N/A	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

Synthetic Organic Chemical (SOC) Contaminants Including Pesticides and Herbicides

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Dalapon (ppb)	5/13/25	N	0.407	0	1.63	200	200	Runoff from herbicide used on rights of way

Turbidity*

Contaminant (units)	Treatment Technique (TT) Violation Y/N	Your Water	MCLG	Treatment Technique (TT) Violation if:	Likely Source of Contamination

Turbidity (NTU) - Highest single turbidity measurement	N	0.146 NTU	N/A	Turbidity > 1 NTU	Soil runoff
Turbidity (%) - Lowest monthly percentage (%) of samples meeting turbidity limits	N	100 %	N/A	Less than 95% of monthly turbidity measurements are ≤ 0.3 NTU	
* Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The turbidity rule requires that 95% or more of the monthly samples must be less than or equal to 0.3 NTU.					

Johnston County East Data

Total Organic Carbon (TOC)

Contaminant (units)	TT Violation Y/N	Your Water (lowest RAA)	Range Monthly Removal Ratio Low - High	MCLG	Treatment Technique (TT) violation if:	Likely Source of Contamination
Total Organic Carbon (TOC) Removal Ratio (no units)	N	1.19	1.03 – 1.55	N/A	Removal Ratio RAA <1.00 and alternative compliance criteria was not met	Naturally present in the environment

Unregulated Contaminants Monitoring Regulation (UCMR)

Contaminant (units) (ppb)	Sample Date	Your Water (average)	Range	
			Low	High
PFBA	3/2024, 6/2024, 9/2024	0.00446	0.0	0.00689
PFPeA	3/2024, 6/2024, 9/2024	0.00497	0.00422	0.00594
PFBS	3/2024, 6/2024, 9/2024	0.00107	0.0	0.00321
PFHxA	3/2024, 6/2024, 9/2024	0.00460	0.00386	0.00596
PFHxS	3/2024, 6/2024, 9/2024	0.00123	0.0	0.00371
PFOA	3/2024, 6/2024, 9/2024	0.00345	0.0	0.00622

PFOS	3/2024, 6/2024, 9/2024	0.00597	0.0	0.00971
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Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted. If you are interested in examining the results, please contact us at publicutilities@johnstonnc.gov

Other Miscellaneous Water Characteristics Contaminants

Contaminant (units)	Sample Date	Your Water	Range		SMCL
			Low	High	
Sodium (ppm)	4/1/25	36.5	N/A		N/A
pH	4/1/25	7.0	N/A		6.5 to 8.5

The PWS Section requires monitoring for other misc. contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.

County East Data

End Johnston