

2025 Annual Water Quality Report
(Testing Performed January through December 2024)

CALHOUN COUNTY WATER AUTHORITY

PWSID AL0000131

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General Information: 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 picks 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 run-off, 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, storm water run-off, 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.

Radon can move up through the ground into a home through cracks and holes in the foundation. Radon can also get into indoor air when released from tap water. Radon entering the home through tap water will, in most cases, be a small source of radon in indoor air. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home consider having the home tested. Testing is easy and inexpensive. For more information call EPA's Radon Hotline at (800-SOS-RADON).

Cryptosporidium Analysis: Your source water is also monitored for pathogens, such as Cryptosporidium and Giardia. These pathogens are common in the environment and can enter the water from animal or human waste. All raw source water test results were well within State and Federal standards. Cryptosporidium and Giardia have not been detected in our finished drinking water. Some people may be more vulnerable to contaminants in drinking water than the general population. People who are immuno-compromised such as cancer patients undergoing chemotherapy, organ transplant recipients, HIV/AIDS positive or other immune system disorders, some elderly, and infants can be particularly at risk from infections and should seek advice about drinking water from their health care providers. The EPA's Drinking Water Health Advisory document is available online at www.epa.gov/sites/default/files/2015-0/documents/cryptosporidium-report.pdf or from the Safe Drinking Water Hotline at 800-426-4791.

Health Information about Lead: As required by ADEM, we conducted a Lead Service Line Inventory during 2024, and it was confirmed that our distribution system contains no Lead service lines or galvanized materials. This report and our complete Lead tap sampling data are available for review in our office upon request. Lead is rarely found in source water but is primarily from corrosion of materials and components associated with home plumbing. Your water system is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. If present, elevated levels of Lead can cause serious health problems, especially for pregnant women and young children.

The Environmental Protection Agency (EPA) and the Center for Disease Control (CDC) make the following recommendations for the household:

- Before using any tap water for drinking or cooking, flush your water system by running the kitchen tap (or any other tap you use for drinking or cooking) on COLD for 1–2 minutes. Flushing can minimize the potential for Lead exposure, especially if the water has been sitting undisturbed for several hours, as in overnight.
- In all situations, especially for making baby formula, drink or cook only with water that comes out of the cold tap. Warm or hot tap water is more likely to cause Lead to leach from plumbing materials.
- Periodically remove the aerator on the tip of the faucet and wash out any debris such as metal particles.
- Remember, boiling will NOT reduce lead in water.

The actions recommended are very important to the health of your family. They are likely to be effective in reducing Lead levels because Lead in household water usually comes from the plumbing in your house, not from the local water supply. 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 www.epa.gov/safewater or by calling the EPA Safe Drinking Water Hotline at 1-800-426-4791. Water systems are required to sample for lead in

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- We are pleased to present to you this year's Annual Water Quality Report. This report includes information on our water sources, results of water analyses, plain language definitions, and other important information about water and health. We work diligently to provide high quality water that meets or exceeds State and Federal drinking water standards.

Constituent Monitored	Calhoun Co.	Oxford	Anniston
Inorganic Contaminants	2023	2024	2024
Lead/Copper	2023	2022	2023
Microbiological Contaminants	monthly	monthly	monthly
Nitrates	2024	2024	2024
Radioactive Contaminants	2023	2021	2016
Synthetic Organic Contaminants	2024	2023	2023
Volatile Organic Contaminants	2024	2024	2024
Disinfection By-products	2024	2024	2024
UCMR4 Contaminants	2020	2020	2019
PFAS Contaminants	2022	2024	2024
Cryptosporidium	Not required	2024	2024

Source	3 springs. Reads Mill, Websters Chapel, and Seven Springs - Font Payne Chert & the Knox Group
	3 groundwater wells: Choctococco, Possum Trot, and Oatabee
	Purchase from Oxford Water Works -Knox Group
	Purchase from Anniston Water and Sewer Board
Treatment	Chlorination, flocculation, and filtration
	Sell water to City of Oatabee (from Reads Mill Spring & Seven Springs)
Interconnections	Emergency connection with Cherokee County Water
Storage Capacity	19 tanks with a total capacity of 3,255,000 gallons
Customers	Approximately 10,968

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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 on the third Tuesday of each month at 9:30 a.m. at the water office, 2256 Alexandria-Wellington Road, Alexandria, Alabama.



PFAS Contaminants: Below is a list of the UCMR4 contaminants for which we monitored in 2020 and the results of that monitoring (in ppb).

UCMR4 Contaminants - Calhoun Co.		
Contaminant	Detected	Contaminant
Germanium	ND	1-butanol
Manganese	ND	2-methoxyethanol
Alpha-hexachlorocyclohexane	ND	2-propen-1-ol
Chlorpyrifos	ND	Bis(2-hydroxyethyl)sulfone
Dimethyltin	ND	Octolidine
Ethioprop	ND	Quinoline
Oxyfluorfen	ND	Total organic carbon (TOC)
Profenotos	ND	Bromide
Terbacazole	ND	HA4A9
Total permethrin (cis- & trans-)	ND	HA46BR
Tributyltin	ND	HA4A5

PFAS Contaminants: Below is the full list of PFAS contaminants for which we monitored in 2022 and the results of that monitoring (in ppb).

PFAS Contaminants - Calhoun Co.		
Contaminant	Detected	Contaminant
11-chlorobenzoic acid	ND	Perfluorobenzoic acid
9-chloroheptadecafluoro-3-oxanone-1-sulfonic acid	ND	Perfluorohexanesulfonic acid
4,8-dioxa-3H-perfluorononanoic acid	ND	Perfluorononanoic acid
Heptafluoropropylene oxide dimer acidA	ND	Perfluorooctanesulfonic acid
N-ethylperfluorooctanesulfonamidoacetic acid	ND	Perfluorooctanoic acid
Perfluorobutanesulfonic acid	ND	Perfluorododecanoic acid
Perfluorocapric acid	ND	Perfluorotetradecanoic acid
Perfluorotetraenoic acid	ND	Perfluorooctadecanoic acid
Perfluorooctanoic acid	ND	Total PFAS

PFAS Contaminants - Oxford: Oxford tested for the full list of PFAS contaminants during 2024. The PFAS detections are listed in the table below.

PFAS Contaminants - Oxford		
Contaminant	Detected	Contaminant
Perflurobutanesulfonic acid	ND-0.0044	Perfluorobenzoic acid
Perfluorohexanoic acid	ND-0.0018	Perfluorooctanoic acid
Perfluorooctanesulfonic acid	ND-0.0066	Perfluorooctanoic acid
Perfluorooctanoic acid	ND-0.0034	Total PFAS
	0.0033-0.012	

PFAS Contaminants - Anniston: Anniston also tested for the full list of PFAS contaminants during 2024, and there were no detections.

For more information on PFAS Contaminants, please refer to www.epa.gov/pfas.

We are pleased to report that our drinking water meets federal (EPA) and state (ADEM) requirements. We have learned through our monitoring and testing that some constituents have been detected. We are pleased to report that our drinking water meets or exceeds federal and state requirements.

TABLE OF DETECTED DRINKING WATER CONTAMINANTS - Calhoun County Water Authority

Likely Source of Contamination						
Contaminants	Violation Y/N	Level Detected	Unit MCLG	MCL	Contaminant	Unit of Mgmt
Barium	NO	2.66 ppm	PCi/l	0	15 Erosion of natural deposits	ppb
Copper	NO	0.03 ppm	ppm	2 Erosion, wood preservative, leaching	ppb	ND
Fluoride	NO	0.091 * (ND:0.300)	ppm	1.3 AL=1.3 Household plumbing corrosion; erosion, wood preservative, leaching	ppb	ND
Lead	NO	0.06 ppm	ppm	4 Erosion; water additive for teeth; discharge from fertilizer & aluminum factories	ppb	ND
Nitrate (as Nitrogen)	NO	ND-0.0015 *	ppm	0 AL=0.015 Corrosion of household plumbing systems; erosion of natural deposits	ppb	ND
TTTHM [Total trihalomethanes]	NO	0.16-0.40 ppm	ppm	10 Fertilizer runoff; erosion; leaching from septic tanks; sewage	ppb	ND
HAA5 [Total haloacetic acids]	NO	1.20-4.80 ppm	ppb	80 By-product of drinking water chlorination	ppb	ND
Secondary Contaminants						
Hardness	NO	131 ppm	ppm	n/a Naturally occurring or from treatment with water additives	ppb	ND
pH	NO	7.7 S.U.	ppm	n/a Naturally occurring or from treatment with water additives	ppb	ND
Sulfate	NO	5.4 ppm	ppm	250 Naturally occurring or from discharge or runoff	ppb	ND
Total Dissolved Solids	NO	177 ppm	ppm	500 Naturally occurring or from discharge or runoff	ppb	ND

* Figure shown is 90th percentile of latest round of sampling, and number of sites exceeding the Action Level (AL) = 0

DETECTED DRINKING WATER CONTAMINANTS - Oxford Water Works

Likely Source of Contamination						
Contaminants	Violation Y/N	Level Detected	Unit MCLG	MCL	Contaminant	Unit of Mgmt
Chlorine	NO	1.01 - 1.60 ppm	ppm	MRDLG=4 MRDL=4 Water additive used to control microbes	ppb	ND
Total Organic Carbon	NO	0.68-1.20 ppm	ppm	n/a Soil runoff	ppb	ND
Turbidity	NO	Highest 0.057 NTU	ppm	n/a Soil runoff	ppb	ND
Barium	NO	0.016 ppm	ppm	2 Drilling & refinery discharge; erosion	ppb	ND
Copper (customer tap)	NO	0.094 * (0.015-0.14) ppm	ppm	1.3 AL=1.3 Household plumbing corrosion; erosion; wood preservative, leaching	ppb	ND
1,1-Dichloroethylene	NO	Avg 0.22 ppb	ppb	7 Discharge from industrial chemical factories	ppb	ND
Nitrate (as Nitrogen)	NO	ND-1.1 ppm	ppm	10 Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits	ppb	ND
Tetrachloroethylene	NO	Avg 0.18 (ND-0.71) ppm	ppb	0 5 Leaching from PVC pipes; discharge from factories and dry cleaners	ppb	ND
Trichloroethylene	YES **	Avg 5.18 (ND-12.0) ppm	ppb	0 5 Discharge from metal degreasing sites and other industries	ppb	ND
TTTHM [Total trihalomethanes]	NO	LRAA14.8 (2.0-17.0) ppm	ppb	0 80 By-product of drinking water chlorination	ppb	ND
HAA5 [Haloacetic Acids]	NO	LRAA7.25 (ND-11.0) ppm	ppb	0 60 By-product of drinking water chlorination	ppb	ND
Unregulated Contaminants						
Chloride	NO	ND-6.60 ppm	ppb	n/a Naturally occurring in the environment or from runoff	ppb	ND
Hardness	NO	6.0 ppm	ppm	n/a Naturally occurring in the environment or from runoff	ppb	ND
pH	NO	130 ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND
Sodium	NO	8.4 S.U. ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND
Total Dissolved Solids	NO	3.4 ppm	ppm	n/a Naturally occurring in the environment or from runoff	ppb	ND

* Figure shown is 90th percentile of latest round of sampling, and number of sites exceeding the Action Level (AL) = 0
** Public notice performed on 7/8/24 and 7/11/24

TABLE OF DETECTED DRINKING WATER CONTAMINANTS - Anniston Water & Sewer Board

Likely Source of Contamination						
Contaminants	Violation Y/N	Level Detected	Unit MCLG	MCL	Contaminant	Unit of Mgmt
Total Organic Carbon	NO	ND-2.09 ppm	ppm	n/a Soil runoff	ppb	ND
Total coliform bacteria	NO	0.014% Present or Absent	0	< 5% Naturally present in the environment; indicator that other bacteria may be present	ppb	ND
Turbidity	NO	0.08-0.09 NTU	ppm	n/a Soil runoff	ppb	ND
Alpha emitters	NO	2.5 ± 0.9 PCi/l	ppm	15 Erosion of natural deposits	ppb	ND
Barium	NO	0.010-0.02 ppm	ppm	2 Drilling & refinery discharge; erosion	ppb	ND
Fluoride	NO	0.49-0.63 ppm	ppm	4 Erosion of natural deposits; water additive; discharge	ppb	ND
Nitrate (as Nitrogen)	NO	ND-0.41 ppm	ppm	10 Fertilizer runoff; erosion; leaching from septic tanks; sewage	ppb	ND
TTTHM [Total trihalomethanes]	NO	26.15 ppb	ppb	0 80 By-product of drinking water chlorination	ppb	ND
HAA5 [Total haloacetic acids]	NO	17.90 ppb	ppb	0 60 By-product of drinking water chlorination	ppb	ND
Unregulated Contaminants						
Chloroform	NO	ND-31.2 ppb	ppb	n/a Naturally occurring or from discharge or runoff	ppb	ND
Bromodichloromethane	NO	ND-4.32 ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND
Chloride	NO	33.1-105 ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND
Hardness	NO	1.42-1.51 ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND
Sodium	NO	ND-22 S.U. ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND
Sulfate	NO	7.0-7.94 ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND
pH	NO	81.0-118 ppm	ppm	n/a Naturally occurring or from discharge or runoff	ppb	ND

* Figure shown is 90th percentile of latest round of sampling, and number of sites exceeding the Action Level (AL) = 0

Below is a table of contaminants for which we monitor as required on a schedule set by the Environmental Protection Agency and the Alabama Department of Environmental Management.

STANDARD LIST OF PRIMARY DRINKING WATER CONTAMINANTS						
Contaminants	Contaminant	MCL	Unit of Mgmt	Contaminant	MCL	Unit of Mgmt
Bacteriological Contaminants						
Total Coliform Bacteria		<5%	Present or absent	cis-1,2-Dichloroethylene	7	ppb
Fecal Coliform and E. coli		0	Present or absent	trans-1,2-Dichloroethylene	70	ppb
Radioactive Contaminants				Dichloromethane	100	ppb
Beta radiation emitters		4	mrem/yr	1,2-Dichloropropane	5	ppb
Alpha emitters		15 pCi/l	pCi/l	Di (2-ethylhexyl) adipate	2.66	ppb
Combined radium		5 pCi/l	pCi/l	Di (2-ethylhexyl) phthalate	400	ppb
Uranium		30 pCi/l	pCi/l	Dinoseb	6	ppb
Inorganic Chemicals				Dioxin [2,3,7,8-TCDD]	7	ppb
Antimony		6 ppm	ppb	Dicuat	30	ppb
Arsenic		10 ppm	ppb	Endothal	20	ppb
Asbestos		7 MFL	MFL	Endrin	100	ppb
Barium		2 ppm	ppb	Epinchlorohydrin	2	ND
Beryllium		4 ppm	ppb	Ethylbenzene	700	ppb
Chromium		100 ppm	ppb	Ethylenediamine	50	ppb
Copper		AL=1.3 ppm	ppm	Glycosate	700	ppb
Cyanide		200 ppm	ppb	Hepatachlor	ND-0.300	ppb
Fluoride		4 ppm	ppm	Heptachlor epoxide	200	ppb
Lead		AL=15 ppm	ppb	Hexachlorocyclopentadiene	0.06	ppb
Mercury		2 ppm	ppb	Lindane	50	ppb
Nitrate		10 ppm	ppm	Methoxychlor	0.16-0.40	ppb
Selenium		1 ppm	ppm	Oxamyl [N,N-diethyl N-methyl phosphorodithioate]	200	ppb
Thallium		.05 ppm	ppm	Pentachlorophenol	0.5	ppb
Organic Contaminants				Picloram	1	ppb
Acrylamide		2.4-D ppm	ppb	Simazine	500	ppb
Alachlor		1.01 - 1.60 ppm	ppm	Styrene	4	ppb
Benzene		NTU	ppm	Tetraachloroethylene	100	ppb
Benzol[al]pyrene [PAHs]		0.016 ppm	ppm	Toxaphene	2	ppb
Carbofuran		0.094 * ppm	ppm	2,4,5-TCP [Silvex]	3	ppb
Carbon tetrachloride		0.015-0.14 ppm	ppm	Carbon tetrachloride	5	ppb
Chlordane		2 ppm	ppb	Chlorobenzene	200	ppb
Chlorobenzene		100 ppm	ppb	Chloroform	5	ppb
Daipron		200 ppm	ppb	Trichloroethylene	5	ppb
Dibromochloropropane		200 ppm	ppb	Vinyl Chloride	2	ppb
1,2-Dichloro Benzene		1000 ppm	ppb	Xylenes	10	ppb
1,4-Dichlorobenzene (para)		75 ppm	ppb	Disinfection Byproducts	5	ppb
o-Dichlorobenzene		600 ppm	ppb	1,1,1-Trichloroethane	200	ppb
1,2-Dichloro ethane		5 ppm	ppb	1,1,2-Trichloroethane	5	ppb
LIST OF SECONDARY CONTAMINANTS				HAA5 [Total halocyclic acids]	60	ppb
Alkalinity, Total (as Ca, Co)		ND-1.50	ppb	ND	ND	ND
Aluminum		1.2-1.4 mg/L	mg/L	Specific Conductance	100	ppb
Calcium, as Ca		1.2-				