

Annual Drinking Water Quality Report
Town of Danbury
PWSID #02-85-020
March, 2020

We're very pleased to provide you with this year's Annual Quality Water Report. This report is a snapshot of last year's water quality. Included are details about where your water comes from, 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.

Drinking water, including bottled water, may be reasonably 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 are 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 microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

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 discharge, 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; and 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.

The water that is used by this system is well water from the Bedrock Aquifer.

The North Carolina Department of Environment and Natural Resources (DENR), 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 Town of Danbury was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and the inherent vulnerability rating (i.e., characteristics of existing conditions of the well or watershed and its delineated assessment area). The assessment findings are summarized in the table below:

Source Name	Susceptibility Rating	SWAP Report Date
Well #1	Moderate	April 26, 2017
Well #2	Moderate	April 26, 2017

The complete SWAP Assessment report for the Town of Danbury may be viewed on the Web at <https://www.ncwater.org/?page=600>. Please note that because SWAP results and reports are periodically updated by the PWS Section, the results available on this web site may differ from the results that were available at the time this CCR was prepared. To obtain a printed copy of this report, please mail a written request to: Source Water Assessment Program-Report Request, 1634 Mail Service Center, Raleigh, N.C. 27699-1634, or email request to swap@ncmail.net. Please indicate your system name and PWSID, 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 919-715-2633.

It is important to understand that a susceptibility rating of "higher" does not imply poor water quality, only the systems' potential to become contaminated by PCS's in the assessment area.

During 2019 the Town of Danbury did not receive any violations for monitoring or reporting of drinking water contaminants.

If you have any questions about this report or concerning your water, please contact Mark Delehant P.O. Box 20 Danbury, N.C. 27016, phone 336-593-2811 ext. 1626. We want our valued customers to be informed about their water utility.

We routinely monitor for over 150 contaminants in your drinking water according to Federal and State laws. The table below lists all the drinking water contaminants that we detected in the last round of sampling for the 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, 2019. The EPA or the State requires 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.

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. The Town of Danbury 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>.

In this document you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

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.

Maximum Contaminant Level - the highest level of a contaminant that is allowed in drinking water.

Action Level - the concentration which, if exceeded, triggers treatment or other requirements which a system must follow.

TEST RESULTS

Microbiological Contaminants: None found

Inorganic Contaminants: None found

Nitrate & Nitrite Contaminants: None found

Synthetic Organic Chemicals (SOC) Contaminants including Pesticides and Herbicides: None found

Volatile Organic Chemicals (VOC) Contaminants: None found.

Lead and Copper Contaminants: none found.

Asbestos: None found.

Radionuclides:

Contaminant	MCL violation	Well #	Date sampled	Your Water	MCLG	MCL	Likely source
Combined Radium PCI/L	No	1	11/12/19	1.7	5	5	Natural Deposits
	No	2	11/12/19	1.5	5	5	
Combined Uranium PCI/L	No	1	11/12/19	2.3	20	20	Natural Deposits
	No	2	11/12/19	3	20	20	
Gross Alpha inc. Radon PCI/L	No	1	11/12/19	5.9	15	15	Natural Deposits
	No	2	11/12/19	8.4	15	15	

Disinfection by-product contaminants (THM/HAA5): None found.

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Residual Chlorine:

	Year Sampled	MRDL Violation	Your Water	Range High Low	MRDLG	MRDL	Likely source
Chlorine (ppm)	2019	No	1.30	2.2 0.34	4	4	Water additive used to control microbes