2025 Annual Water Quality Report

Rural North Vacaville Water District welcomes this yearly opportunity to communicate our commitment to delivering quality water to our customers. Your ground water is supplied from two wells in your local area and is treated carefully to meet all established drinking water standards. Board meetings are held at 4135 Cantelow Road, Vacaville, on the second Tuesday of every month at 6 pm. Additional information is provided on the district website at WWW.RNVWD.COM

This report informs you that after testing for over 100 different constituents, your drinking water supply meets all health related standards established by the State Water Resources Control Board – Division of Drinking Water, and the U.S. Environmental Protection Agency.

All source waters used for drinking water are required to be assessed for the vulnerability to possible contaminants. A Source Water Assessment for the two wells was completed in 2002. The sources are considered most vulnerable to the following activities not associated with any detected contaminants: Agricultural drainage, septic tanks, and improperly abandoned wells. A summary of the assessment can be obtained by contacting the District office.

For more information, contact Miguel Martinez, Water Quality Coordinator 707-455-4055

Tradúzcalo ó hable con alguien que lo entienda bien.

Este informe contiene información muy importante sobre su agua potable.

TERMS USED IN THIS REPORT:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

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 are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is extensive evidence supporting that addition of a disinfectant is necessary for control of microbial 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.

Primary Drinking Water Standards (PDWS): MCLs or MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect health at the MCL levels.

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

Notification Level (NL): Health based advisory level set by the Department for constituents with no MCL. This is not an enforceable standard, although requirements and recommendations may apply if detected above this level.

pCi/L: picocuries per liter

ppb: parts per billion or micrograms per liter (ug/L)

ppm: parts per million or milligrams per liter (mg/L)

TON: Threshold odor number, level at which odor is detectable with dilutions

NTU: nephelometric turbidity unit

ND: not detectable at testing limit

NA: not applicable

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 microbial contaminants 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 that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that 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 that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, 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, USEPA and the State Water Resources Control Board – Division of Drinking Water (DDW) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DDW regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

The tables below list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. DDW allows systems to monitor for certain contaminants less than once per year, because the concentrations of these contaminants do not change frequently.

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF BACTERIA

Microbiological Constituents	Highest No. of detections	Months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.) 0	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
E. Coli	(In the year) 0	0	A routine sample and a repeat sample detect total coliform and either sample also detects E. coli	0	Human and animal fecal waste

TABLE 2 – CUSTOMER TAP SAMPLING RESULTS FOR LEAD AND COPPER

Lead and Copper (reporting units)	No. of samples collected	90th percentile level detected	No. of sites exceeding AL	AL	PHG	Typical Source of Constituent
Lead (ppb) 9/10/2025	10	ND	0	10	0.2	Internal corrosion of household water plumbing systems
Copper (ppm) 9/10/2025	20	0.15	0	1.3	0.30	Internal corrosion of household water plumbing systems

TABLE 3 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Constituent (reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Constituent
Sodium (ppm)	1/11/2024	89	89	none	none	Salt present in water; naturally occurring in ground & surface water
Hardness (ppm)	1/11/2024	63	63	none	none	Sum of cations in water; naturally occurring

TABLE 4 - DETECTION OF CONSTITUENTS WITH A PRIMARY DRINKING WATER STANDARD

Constituent (reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Constituent
Arsenic (ppb)	Monthly 2025	1.5	ND-4.1	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronic production wastes
Barium (ppm)	1/11/2024	0.062	0.062	1.0	2.0	Runoff/leaching from natural deposits
Fluoride (ppm)	1/11/2024	0.19	0.19	2.0	1.0	Erosion of natural deposits
Disinfection Byproducts and Disinfectant Residuals in Distribution System						
Total Trihalomethanes (ppb)	7/15/2025	14	14	80[1]	NA	By-product of drinking water chlorination
Haloacetic Acids (ppb)	7/15/2025	ND	ND	60[1]	NA	By-product of drinking water chlorination
Chlorine (ppm)	Monthly 2025	0.67	0.04-1.04	[4.0][1]	[4.0][1]	Drinking water disinfectant added for treatment

TABLE 5 – DETECTION OF CONSTITUENTS WITH A SECONDARY DRINKING WATER STANDARD						
Constituent (reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detection**	**MCL**	**PHG (MCLG)**	**Typical Source of Constituent**
Chloride (ppm)	1/11/2024	8.0	8.0	500	NA	Runoff/leaching from natural deposits
Specific Conductance (µS/cm)	1/11/2024	490	490	1600	NA	Substances that form ions when in water
Sulfate (ppm)	1/11/2024	17	17	500	NA	Runoff/leaching from natural deposits
Total Dissolved Solids (ppm)	1/11/2024	420	420	1000	NA	Runoff/leaching from natural deposits

(1) Compliance is based on a locational running annual average (LRAA).

Additional General Information on Drinking Water

All drinking water, including bottled water, may reasonably be expected to contain at least some small amounts of contaminants. The presence of these contaminants, in low levels, does not necessarily indicate that the water poses a health risk.

Some people may be more vulnerable to contaminants in drinking water than the rest of 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 all be particularly at risk from infection. These people should seek advice about drinking water from their health car providers.

More information about contaminants, potential health effects, and reducing risks can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Per-and Polyfluorlkyl Substances

On 2/6/2024 testing for PFAS/PFOS "forever chemicals" was performed at 4 locations in the distribution system and ALL RESULTS were NON-DETECT. Beginning in 2026, PFAS/PFOS will be added to the list of constituents we regularly sample for and report.

Lead

If lead is present in elevated levels, it 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. Rural North Vacaville Water District 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 about 30 seconds to 2 minutes before using the water for drinking or cooking. If you are concerned about lead in your water, you may want 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://epa.gov/safewater/lead