

Your water provider, the Suisun-Solano Water Authority, welcomes this yearly opportunity to communicate our commitment to delivering quality water to our customers through this Annual Water Quality Report. The water system is a partnership between the City of Suisun City and Solano Irrigation District, a special purpose public agency. There are currently over 8,788 service connections, and the system delivered over 1.1 Billion Gallons of water in 2025.

A Drinking Water Source Assessment for the Putah South Canal was completed in 2001. The source water is considered most vulnerable to illegal activities such as unauthorized dumping and herbicide application. No chemicals associated with these activities have been detected. You may request a summary of the assessment at 707-455-4021.

Public involvement in water quality decisions is welcomed. The public is encouraged to attend meetings. If you wish to do so, please call City Hall at 707-421-7300, and ask them to place your name on the mailing list for Board meetings.

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



SUISUN-SOLANO WATER AUTHORITY

Disinfection Byproducts back in compliance again!

- ◆ **Progress and Timelines** – On October 16, 2025, we conducted our fourth-quarter compliance sampling, and we are pleased to report that total Trihalomethane (TTHM) levels were maintained below the Maximum Containment Level (MCL) of 80 parts per billion all year. With this milestone, the SSWA system has demonstrated its capability of reliably meeting important state regulatory standards.
- ◆ **This achievement** – Is a testament to the commitment, expertise, and teamwork of our Water Treatment, Distribution, Quality, and Engineering staff, who have worked tirelessly to monitor, optimize, and enhance our treatment processes at the water treatment plant. Their dedication over the past year has been instrumental in consistently reducing TTHM levels.
- ◆ **Educational video** – Staff members have produced a short video providing an overview of the water treatment process and how we addressed the formation of TTHM's in the system. The video can be viewed here: <https://www.youtube.com/watch?v=bpZcVTmuLQ0>

Our Commitment

We appreciate your continued patience and trust in us to provide you with safe and reliable drinking water. Looking ahead, our staff remains committed to maintaining compliance and will continue exploring options and improvements to sustainably meet current and future regulatory requirements.



Suisun-Solano Water Authority Drinking Water Quality Report 2025

Only Tap Water Delivers

- Public Health Protection • Fire Protection •
- Support for the Economy • Quality of Life •



**Your Drinking Water Meets and Exceeds
All EPA and California Health Standards**

Your Water Source and Supply Facilities

The source of water for this system is surface water from Lake Berryessa. The Putah South Canal transports this water to the Cement Hill Water Treatment Plant, where it is treated to drinking water standards before distribution to our customers. The water distribution system includes four above ground tanks. Collectively, these tanks can store up to 7.5 million gallons of water. The Cement Hill Water Treatment Plant is designed with emergency diesel powered back-up generators that provide electricity for the pumps in the event of a power outage.

Water Treatment

The Cement Hill Water Treatment Plant can process up to 10 million gallons of water per day. The facility includes three clarifiers for coagulation, flocculation, and sedimentation processes, followed by ten dual-media pressure filters that clean the water to meet strict standards of clarity. Throughout the processes, chemical additions help with coagulation, sedimentation, and filtration of the water supply. Chlorine is added to your water to meet surface water treatment and water quality standards.



Water Quality is our Commitment and Profession!

Drinking Water is a highly regulated industry, with extensive Federal EPA and CA Division of Drinking Water regulations. Water Systems are required to test the water and submit reports for different parameters at varying frequencies, such as daily, weekly, monthly, and annually. Public notifications are also regulated, such as this annual report of detected constituents, or 24-hour notifications regarding more urgent concerns. Our staff possess high level Operator Certifications with required continuing education to stay current with ongoing advances in Water Distribution and Treatment. We have staff available 24 hours a day/7 days a week/365 days a year. You can sign up for additional alerts of repairs and other information at our website: www.sidwater.org Please let us know if you have questions about your drinking water, want to report a leak, or reach our conservation hotline. We care about our Customers!

A Message from the Environmental Protection Agency

The sources of all drinking water (both tap water and bottled water) may 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, 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, 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, that 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, and septic systems.

Radioactive contaminants, that 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 California Department of Public Health prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

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 water poses a health risk. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised individuals, such as someone with cancer undergoing chemotherapy, someone who has undergone organ transplants, someone with HIV/AIDS or other immune system disorders, elderly folks, and infants can all be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. More information about contaminants and potential health effects can be obtained by calling

continues

If you have any questions about this report or the quality of the water delivered by Suisun-Solano Water Authority, please contact Miguel Martinez, Water Quality Coordinator, 707-455-4055

the **Environmental Protection Agency’s Safe Drinking Water Hotline 1-800-426-4791**. You may also want to access the EPA’s drinking water website:

www.epa.gov/safewater

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. SSWA 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 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



Terms Used in This Report

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

MCL - Maximum Contaminant Level:
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.

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

MRDL - Maximum Residual Disinfectant Level:
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.

MRDLG - Maximum Residual Disinfectant Level Goal:
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.

µS/cm: Microsiemens per Centimeter

NA: not applicable

ND: not detectable at testing limit

NL - Notification Level:
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.

NTU - Nephelometric Turbidity Units:
The standard unit for turbidity measurements.

PHG - Public Health Goal:
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.

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

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

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



Evaluating Your Drinking Water – The tables below list all of the drinking water constituents that were detected during the most recent sampling. The presence of these constituents in the water does not necessarily indicate that the water poses a health risk. The Health Department allows systems to monitor for certain constituents less than once per year because the concentrations of these constituents do not change frequently.

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF BACTERIA

Microbiological Constituents	Highest No. of detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a month) 1	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) 10/15/2023	30	ND	0	10	0.20	Corrosion of household water plumbing systems; erosion of natural deposits
Copper (ppm) 10/15/2023	30	0.056	0	1.3	0.30	Corrosion of household water plumbing systems; erosion of natural deposits

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)	3/18/2025	16	16	none	none	Salt present in water; naturally occurring
Hardness (ppm)	3/18/2025	170	170	none	none	Sum of all 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
Barium (ppm)	3/18/2025	ND	ND	2	2	Naturally occurring from erosion of natural deposits
Disinfection Byproducts, Disinfectant Residuals, and Disinfection Byproduct Precursors in Distribution System						
Total Trihalomethanes (ppb)	Quarterly 2025	54	26-67	80 ¹	NA	By-product of drinking water chlorination
Haloacetic Acids (ppb)	Quarterly 2025	30	21-51	60 ¹	NA	By-product of drinking water chlorination
Chlorine (ppm)	Weekly 2025	0.61	0.01-1.44	[4.0] ¹	[4.0] ¹	Drinking water disinfectant added for treatment
Total Organic Carbon (ppm)	Monthly 2025	2.3	2.0-2.5	TT	NA	Various natural and manmade sources

TABLE 5 - DETECTION OF CONSTITUENTS WITH A SECONDARY DRINKING WATER STANDARD

Constituent (reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Constituent
Chloride (ppm)	3/18/2025	11	11	500	NA	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	3/18/2025	29	29	500	NA	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance (µS/cm)	3/18/2025	390	390	1600	NA	Substances that form ions when in water; seawater influence
Total Dissolved Solids (ppm)	3/18/2025	220	220	1000	NA	Runoff/leaching from natural deposits

TABLE 6 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES

Treatment Technique (Type of approved filtration technology used)	Conventional Filtration
Turbidity Performance Standards (must be met through the water treatment process)	Turbidity of the filtered water must: 1 — Be less than or equal to 0.3 NTU in 95% of measurements in a month. 2 — Not exceed 1.0 NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100 %
Highest single turbidity measurement during the year	0.234 NTU
Number of violations of any surface water treatment requirements	0

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

Additional Comments:

Regulations require water systems to complete and submit an Initial Lead Service Line Inventory. As of March 17, 2025 all lead service line inventories have been submitted and accepted.

