



2020 Consumer Confidence Report

ABOUT YOUR DRINKING WATER

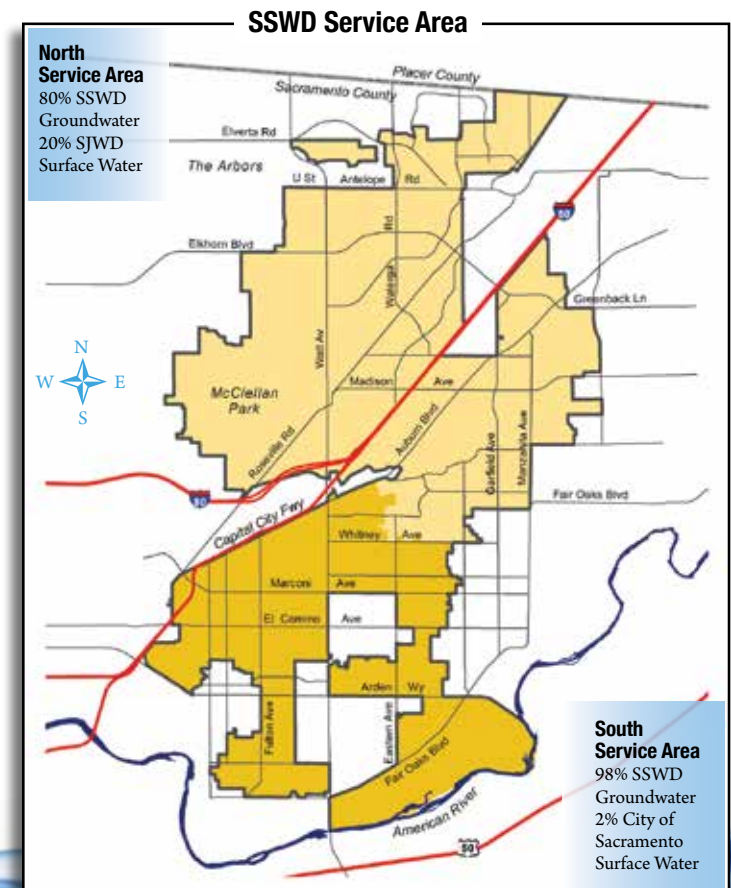


Sacramento Suburban Water District (SSWD) is pleased to present this Consumer Confidence Report (CCR) on 2020 water quality. Results of samples collected during 2018, 2019, and 2020, as well as other water quality information, were used to prepare this report. As always, providing a high quality, reliable supply of water and superior customer service at the lowest responsible water rate are SSWD’s top priorities.

Sources of Water

SSWD has two service areas, North and South. The North Service Area (NSA) is supplied with water from local groundwater wells and, when available, with surface water treated by the San Juan Water District (SJWD). The South Service Area (SSA) is supplied with water from local groundwater wells and, when available, with treated surface water from the City of Sacramento. As indicated in the graphic, “SSWD Service Area,” SSWD supplemented both the NSA and SSA water supplies with surface water in 2020.

Water pumped from the wells is chlorinated per State Water Resources Control Board, Division of Drinking Water (DDW) requirements to protect you from potential microbiological contaminants. All facilities are operated by state-certified operators. To ensure that your water meets state and federal regulations, SSWD conducts routine water quality testing at the wells and in the distribution system.





IMPORTANT INFORMATION ABOUT...

Nitrate: Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. Nitrate (as nitrogen) in drinking water at levels above 10 milligrams per liter (mg/L) is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in serious illness; with symptoms including shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Nitrate levels in water supplied by SSWD are below 10 mg/L. Nitrate monitoring is performed at each source at least annually, and, in many cases, quarterly. If there is an indication the nitrate level in a well may reach the 10 mg/L regulatory threshold, it is immediately removed from service.

Lead: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water primarily originates from materials and

- continued on page 3

Overview of Drinking Water

The United States Environmental Protection Agency (USEPA) and DDW require the educational language below to be included in all public water system's Consumer Confidence Reports. For a complete list of detected contaminants and their potential sources, please see the tables in the sections titled, "2020 Summary of Detected Constituents."

Sources of drinking water (both tap 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.

In order to ensure that tap water is safe to drink, the USEPA and DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health. Additional information on bottled water is available on the California Department of Public Health web page (<https://www.cdph.ca.gov/Programs/CEH/DFDCS/Pages/FDBPrograms/FoodSafetyProgram/Water.aspx>).

Drinking water, including bottled water, may reasonably be expected to contain at least minor 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 USEPA's Safe Drinking Water Hotline (1.800.426.4791).

Source Water Assessments

An assessment of SSWD's groundwater wells was completed in December 2002. The results of the assessment indicated that wells in both the NSA and SSA are considered most vulnerable to: dry cleaners, gas stations, leaking underground storage tanks, petroleum transmission pipelines, sewer collection systems, contamination caused by illegal activities or dumping, and general urban commercial activities such as automobile repair facilities and photo processors. Both service areas are also vulnerable to industrial activities such as: electronic, plastic and metal manufacturing, petroleum storage facilities, and known groundwater contamination plumes. The NSA is also considered vulnerable to historic activities at the former McClellan Air Force Base. The SSA may also be vulnerable to recreational activities associated with the American River. A copy of the complete Source Water Assessment is available at SSWD's office.

SSA Water Fluoridation

SSWD supplements the natural levels of fluoride in the SSA water to levels within DDW's prescribed Fluoride Control Range (0.6 mg/L to 1.2 mg/L). Parents of children that reside in SSWD's SSA should let their children's pediatricians and dentists know that their drinking water is fluoridated. According to the USEPA/ Centers for Disease Control and Prevention (CDC), drinking water with the right amount

of fluoride is a safe and effective way to help keep the surface of teeth strong and help prevent tooth decay. Community water fluoridation is supported by the American Dental Association, American Academy of Pediatrics, U.S. Public Health Service, and the World Health Organization.

Information About Hard Water

A common concern for many customers is water hardness because it can cause scaling and other aesthetic issues. Water hardness is comprised of naturally-occurring minerals, particularly calcium and magnesium. Though hard water can be a nuisance, it is not known to cause adverse health effects, and thus is not regulated by DDW or USEPA. Effects of hard water may include: scale on plumbing fixtures and appliances; soap scum on shower walls, bathtubs, sinks and faucets; and reduced lathering of soaps, shampoos, and household cleaners. Additional information is available on the SSWD's water quality web page: www.sswd.org/departments/water-quality.

Lead Sampling in Schools

In early 2017, SSWD began drinking water lead monitoring at K-12 schools in accordance with DDW requirements. In January 2018, the California Health and Safety Code (Section 116277) expanded those requirements to include preschool and child day care facilities on public school property. SSWD has performed monitoring at 49 K-12 schools, preschools, and child day care facilities through the end of 2019. If you would like to know if monitoring was performed at your child's school or day care facility (and if so, the results), please visit DDW's "Lead Sampling of Drinking Water in California Schools" web page at: https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/leadsamplinginschools.html, or contact your child's school.

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 storm-water 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 by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.

Radioactive Contaminants that can be naturally-occurring or be the result of oil and gas production and mining activities.

Important Information About... continued

components associated with service lines and home plumbing. SSWD 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: www.epa.gov/lead.

As noted above, due to the variety of materials used in some customer's plumbing systems (including water treatment units in the home), lead results may vary. If you are concerned about the potential impact the internal plumbing system in your home or business may have on lead levels in your drinking water, SSWD can refer you to a laboratory that you can utilize to test your water.



Water Quality Definitions

Locational Running Annual Average (LRAA): The LRAA is a calculation used to determine compliance with a primary drinking water standard (or MCL) at a specific monitoring location.

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 USEPA.

Maximum Residual Disinfectant 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 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.

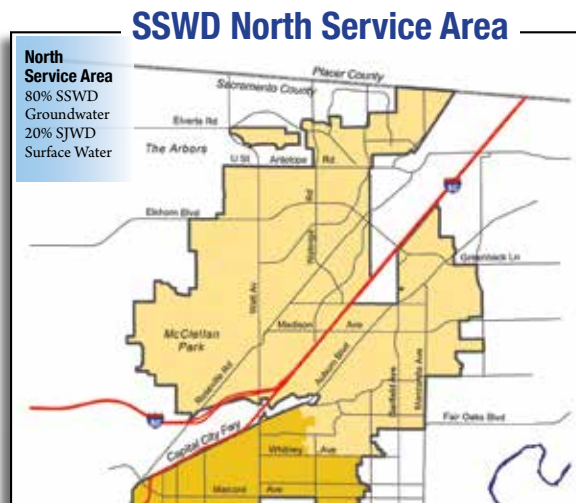
Primary Drinking Water Standard (PDWS): MCLs, MRDLs, and treatment techniques (TTs) for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.

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.

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

Total Organic Carbon (TOC): Organically-derived carbon that can be naturally occurring or result from human activities.

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



2020 Summary of Detected Constituents North Service Area

About the Tables

The following tables contain detailed information about the water that is delivered to your home or business. The drinking water SSWD supplies to customers has been tested for over 130 contaminants. In accordance with USEPA requirements, the table in the CCR includes only results for contaminants that were detected. You can compare levels from your system's water to the state and federal standards (Maximum Contaminant Level [MCL]), if applicable.

Key to Abbreviations

CU	Color Units
NA	Not Applicable
ND	Not Detected
NR	Not Reported
NTU	Nephelometric Turbidity Units (a measure of clarity)
pCi/L	Picocuries per liter (a measure of radiation)
PPM	Parts per million or milligrams per liter (mg/L)
PPB	Parts per billion or micrograms per liter (µg/L)
HAA	Haloacetic Acids
µS/cm	Microsiemens per centimeter
TON	Threshold Odor Number

SSWD (groundwater)	San Juan Water District (surface water)
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DETECTED PRIMARY DRINKING WATER CONSTITUENTS - Regulated to protect your health

CONSTITUENT/UNITS	MCL	PHG or (MCLG)	RANGE	AVG.	SAMPLE DATE	RANGE	AVG.	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Aluminium (PPM)	1	0.6	ND-0.06	ND	2019	ND	ND	2019	No	Erosion of natural deposits; residue from some surface water treatment processes
Arsenic (PPB)	10	0.004	ND-2.5	ND	2019	ND	ND	2019	No	Erosion of natural deposits
Barium (PPM)	1	2	ND-0.20	ND	2019-2020	ND	ND	2019	No	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Control of Disinfection By-Product Precursors (PPM) (TOC)(treated water) {A}	TT = 2	NA	NA	NA	NA	0.8-1.25	0.97	2020	No	Various natural and manmade sources
Fluoride (PPM)	2	1	0.08-0.23	0.16	2019	ND	ND	2019	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Hexavalent Chromium (PPB) {C}	NA	0.02	NR	NR	NA	NR	NR	NA	NA	Erosion of natural deposits; discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile and manufacturing facilities
Nitrate (as Nitrogen) (PPM)	10	10	0.5-6.2	1.9	2020	ND	ND	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite (as Nitrogen) (PPM)	10	10	0.4-6.5	2.1	2019	ND	ND	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Tetrachloroethylene (PCE) (PPB)	5	0.06	ND-2.6	ND	2019-2020	ND	ND	2019	No	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
Gross Alpha (pCi/L)	15	(0)	ND-3.58	ND	2014-2020	ND	ND	2017	No	Erosion of natural deposits
Combined Radium (Ra226 + Ra228) (pCi/L)	5	(0)	ND-3.34	ND	2014-2020	ND	ND	2017	No	Erosion of natural deposits
Uranium (pCi/L)	20	0.43	ND-4.97	ND	2014-2020	NR	NR	NA	No	Erosion of natural deposits
CONSTITUENT/UNITS	MCL	PHG or (MCLG)	LEVEL FOUND	SAMPLE DATE	LEVEL FOUND	SAMPLE DATE	VIOLATION	MAJOR SOURCES		
Turbidity {A}	(NTU)	TT = 1 NTU	NA	NA	0.038	2020	No	Soil runoff		
	(% Samples)	TT = 95% of Samples ≤0.3 NTU	NA		100%					

DISTRIBUTION SYSTEM

CONSTITUENT/UNITS	AL	PHG or (MCLG)	90TH PERCENTILE RESULT	NO. OF SAMPLES/ NO. EXCEEDING ACTION LEVEL	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Copper (at tap) (PPM)	1.3	0.3	0.220	59/0	2019	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
CONSTITUENT/UNITS	MCL[MRDL]	PHG or [MRDLG]	RANGE	AVERAGE	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Chlorine Residual (PPM)	[4]	[4]	0.05-1.45	0.69	2020	No	Drinking water disinfectant added for treatment
Trihalomethanes (PPB)	80	NA	ND-35	Highest LRAA = 41 {F}	2020	No	By-product of drinking water disinfection
Haloacetic Acids (PPB)	60	NA	ND-22	Highest LRAA = 24 {F}	2020	No	By-product of drinking water disinfection

NORTH SERVICE AREA

SSWD (groundwater)	San Juan Water District (surface water)
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DETECTED SECONDARY DRINKING WATER CONSTITUENTS - Regulated for aesthetic qualities

CONSTITUENT/UNITS	MCL	RANGE	AVG.	SAMPLE DATE	RANGE	AVG.	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Aluminium (PPB)	200	ND-59	ND	2019	ND	ND	2018	No	Erosion of natural deposits; residue from some surface water treatment processes
Chloride (PPM)	500	9.2-86	38	2019-2020	1.8	1.8	2019	No	Runoff/leaching from natural deposits
Copper (PPM)	1.3	ND-006	ND	2019	ND	ND	2019	No	Erosion of natural deposits; leaching from wood preservatives
Color (CU)	15	ND	ND	2019	ND	ND	2019	No	Naturally-occurring organic materials
Iron (PPB)	300	ND-290	ND	2019	ND	ND	2019	No	Leaching from natural deposits; industrial wastes
Manganese (PPB)	50	ND-41	ND	2019-2020	ND	ND	2019	No	Leaching from natural deposits
Odor (TON)	3	ND-2	ND	2019	ND	ND	2019	No	Naturally-occurring organic materials
Specific Conductance (µS/cm)	1600	210-680	393	2019-2020	53-88	72.5	2020	No	Substances that form ions when in water
Sulfate (PPM)	500	2.8-33	10	2019	3.8	3.8	2019	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (PPM)	1000	170-450	279	2019-2020	30	30	2019	No	Runoff/leaching from natural deposits
Turbidity (NTU)	5	ND-0.7	0.1	2019	See Primary Constituents on page 5			No	Soil runoff

DETECTED UCMR4 MONITORING CONSTITUENTS {G}

CONSTITUENT/UNITS	RANGE	AVG.	SAMPLE DATE	PRIMARY SOURCES/USES
Germanium (PPB)	ND-0.4	ND	2018-2019	Naturally-occurring element; a byproduct of zinc ore processing; used in infrared optics, fiber-optic systems, electronics and solar applications
Manganese (PPB)	ND-36	3.4	2018-2019	Naturally-occurring element; used in steel production, fertilizer, batteries and fireworks; drinking water and waste water treatment chemical; essential nutrient

DISTRIBUTION SYSTEM				
CONSTITUENT/UNITS	RANGE	HIGHEST LRAA	SAMPLE DATE	PRIMARY SOURCES/USES
HAA5 (PPB)	ND-35	27	2018-2019	Byproduct of drinking water disinfection
HAA6Br (PPB)	ND-3.8	2	2018-2019	Byproduct of drinking water disinfection
HAA9 (PPB)	ND-36	29	2018-2019	Byproduct of drinking water disinfection

A Note for Sensitive Populations

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons, such as persons undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, elderly, and infants can be particularly at risk from infections. These people should seek advice about their drinking water from their health care providers. 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 (1.800.426.4791).

<p>PPM (parts per million): 3 drops in 42 gallons 1 second in 12 days 1 inch in 16 miles</p>	<p>PPB (parts per billion): 1 drop in 14,000 gallons 1 second in 32 years 1 inch in 16,000 miles</p>
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ADDITIONAL DRINKING WATER CONSTITUENTS {H}

CONSTITUENT/UNITS	RANGE	AVG.	SAMPLE DATE	RANGE	AVG.	SAMPLE DATE	MAJOR SOURCES
Alkalinity (total, as CaCO ₃) (PPM)	75-180	115	2019	NR	NR	NA	Leaching from natural deposits
Alkalinity (bicarbonate, as CaCO ₃) (PPM)	69-210	138	2019-2020	13	13	2019	Leaching from natural deposits
Calcium (PPM)	16-58	27	2019	3.3	3.3	2019	Erosion of natural deposits
Hardness	(grains/gallon)	4.3-15.8	2019	0.7	0.7	2019	Leaching from natural deposits; hardness is the sum of polyvalent cations present in the water, generally naturally-occurring magnesium and calcium
	(PPM)	74-270		12	12		
Magnesium (PPM)	8.4-32	16	2019	1	1	2019	Erosion of natural deposits
pH (NONE)	7.3-7.8	7.6	2019	NR	NR	NA	Leaching from natural deposits; a measurement of hydrogen ion activity
Sodium (PPM)	11-56	26	2019-2020	1.6	1.6	2019	Erosion of natural deposits



Customer Service

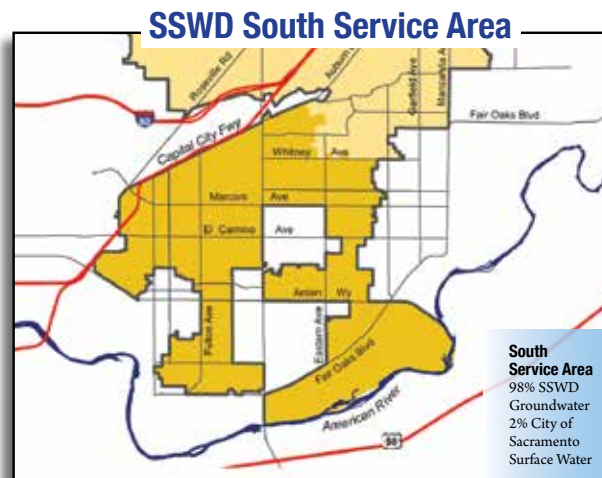
If you have questions about your water bill or your water service, please call SSWD's Customer Service Team at 916.972.7171. They are available during regular business hours (Monday - Friday, 8:00 AM - 4:30 PM). If our customer service team cannot answer your question, they will put you in touch with another team member who can. You can also find information on our website ([sswd.org](https://www.sswd.org)) about starting and stopping your water service, the Board of Directors, water conservation, cross-connection control, engineering projects, field operations, water quality and much more!



Notes

- {A} Only surface water sources must comply with the PDWS for Control of Disinfection By-Product Precursors and Turbidity. Turbidity is a measure of the cloudiness of water. It is a good indicator of filtration process effectiveness for water systems that treat surface water.
- {B} City of Sacramento, SSA only: Source water TOC less than 2.0 mg/L used as alternative criteria to exempt from removal ratio requirements. Value given represents the maximum running annual average of any quarter during 2020.
- {C} DDW rescinded the 10 ppb MCL for hexavalent chromium on September 11, 2017. Prior to that SSWD elected to satisfy compliance monitoring requirements via total chromium monitoring. For more information about hexavalent chromium please see: https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chromium6.html.
- {D} SSA only: SSWD's fluoridation program provides the addition of fluoride to the SSA drinking water. Natural levels of fluoride in the SSA are adjusted to be within the DDW's Fluoride Control Range (0.6-1.2 mg/L).
- {E} SSA only: The range and average concentrations of fluoride in the SSA are based on distribution system monitoring in 2020 with the exception of the timeframe between March 20, 2020 and June 8, 2020 when fluoridation was temporarily suspended. Temporary suspension of fluoridation was one of SSWD's initial responses to the COVID-19 pandemic that was designed to minimize contact between staff while other operational changes were being implemented.
- {F} Calculation of the LRAA for the first three quarters of 2020 includes data from 2019.
- {G} Unregulated contaminant monitoring helps USEPA and DDW determine where certain contaminants occur and whether they need to be regulated. Both distribution system and source water are included in UCMR4.
- {H} Constituents listed under "Additional Drinking Water Constituents" are of interest to some consumers, however, they have no regulatory thresholds.

DDW allows SSWD to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative, is more than one year old.



2020 Summary of Detected Constituents South Service Area

About the Tables

The following tables contain detailed information about the water that is delivered to your home or business. The drinking water SSWD supplies to customers has been tested for over 130 contaminants. In accordance with USEPA requirements, the table in the CCR includes only results for contaminants that were detected. You can compare levels from your system's water to the state and federal standards (Maximum Contaminant Level [MCL]), if applicable.

Key to Abbreviations

CU	Color Units
NA	Not Applicable
ND	Not Detected
NR	Not Reported
NTU	Nephelometric Turbidity Units (a measure of clarity)
pCi/L	Picocuries per liter (a measure of radiation)
PPM	Parts per million or milligrams per liter (mg/L)
PPB	Parts per billion or micrograms per liter (µg/L)
HAA	Haloacetic Acids
µS/cm	Microsiemens per centimeter
TON	Threshold Odor Number

DETECTED PRIMARY DRINKING WATER CONSTITUENTS - Regulated to protect your health

CONSTITUENT/UNITS	MCL	PHG or (MCLG)	RANGE	AVG.	SAMPLE DATE	RANGE	AVG.	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Aluminium (PPM)	1	0.6	ND-005	ND	2020	ND	ND	2020	No	Erosion of natural deposits; residue from some surface water treatment processes
Arsenic (PPB)	10	0.004	ND-4.3	2.2	2020	ND	ND	2020	No	Erosion of natural deposits
Barium (PPM)	1	2	ND-0.14	ND	2020	ND	ND	2020	No	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Control of Disinfection By-Product Precursors (PPM) (TOC)(treated water) {A}	TT = 2	NA	NA	NA	NA	1.4 {B}		2020	No	Various natural and manmade sources
Fluoride (PPM)	2	1	See Fluoride in Distribution System section below						No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Hexavalent Chromium (PPB) {C}	NA	0.02	NR	NR	NA	ND	ND	2020	NA	Erosion of natural deposits; discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile and manufacturing facilities
Nitrate (as Nitrogen) (PPM)	10	10	ND-7.6	2.0	2020	ND	ND	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite (as Nitrogen) (PPM)	10	10	ND-6.7	2.0	2020	ND	ND	2020	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Tetrachloroethylene (PCE) (PPB)	5	0.06	ND	ND	2020	ND	ND	2020	No	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
Gross Alpha (pCi/L)	15	(0)	ND-6.80	ND	2014-2020	ND	ND	2012-2020	No	Erosion of natural deposits
Combined Radium (Ra226 + Ra228) (pCi/L)	5	(0)	ND-2.11	ND	2014-2020	ND	ND	2012	No	Erosion of natural deposits
Uranium (pCi/L)	20	0.43	ND-3.2	ND	2014-2020	NR	NR	NA	No	Erosion of natural deposits
CONSTITUENT/UNITS	MCL	PHG or (MCLG)	LEVEL FOUND	SAMPLE DATE	LEVEL FOUND	SAMPLE DATE	VIOLATION	MAJOR SOURCES		
Turbidity {A}	(NTU)	TT = 1 NTU	NA	NA	0.08	2020	No	Soil runoff		
	(% Samples)	TT = 95% of Samples ≤0.3 NTU	NA		100%					

DISTRIBUTION SYSTEM

CONSTITUENT/UNITS	AL	PHG or (MCLG)	90TH PERCENTILE RESULT	NO. OF SAMPLES/ NO. EXCEEDING ACTION LEVEL	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Copper (at tap) (PPM)	1.3	0.3	0.220	59/0	2019	No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
CONSTITUENT/UNITS	MCL [MRDL]	PHG or [MRDLG]	RANGE	AVERAGE	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Chlorine Residual (PPM)	[4]	[4]	0.05-1.45	0.69	2020	No	Drinking water disinfectant added for treatment
Fluoride (PPM) {D}	2	1	0.5-1.0 {E}	0.8 {E}	2020	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Trihalomethanes (PPB)	80	NA	ND-35	Highest LRAA = 41 {F}	2020	No	By-product of drinking water disinfection
Haloacetic Acids (PPB)	60	NA	ND-22	Highest LRAA = 24 {F}	2020	No	By-product of drinking water disinfection

SOUTH SERVICE AREA

SSWD (groundwater)	City of Sacramento (surface water)
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DETECTED SECONDARY DRINKING WATER CONSTITUENTS - Regulated for aesthetic qualities									
CONSTITUENT/UNITS	MCL	RANGE	AVG.	SAMPLE DATE	RANGE	AVG.	SAMPLE DATE	VIOLATION	MAJOR SOURCES
Aluminium (PPB)	200	ND-54	ND	2020	ND	ND	2020	No	Erosion of natural deposits; residue from some surface water treatment processes
Chloride (PPM)	500	3.3-66	22	2020	5.3	5.3	2020	No	Runoff/leaching from natural deposits
Copper (PPM)	1.3	ND-0.10	ND	2020	ND	ND	2020	No	Erosion of natural deposits; leaching from wood preservatives
Color (CU)	15	ND	ND	2020	ND-5	ND	2020	No	Naturally-occurring organic materials
Iron (PPB)	300	ND	ND	2020	ND	ND	2020	No	Leaching from natural deposits; industrial wastes
Manganese (PPB)	50	ND-41	ND	2020	ND	ND	2020	No	Leaching from natural deposits
Odor (TON)	3	ND	ND	2020	ND-2	ND	2020	No	Naturally-occurring organic materials
Specific Conductance (µS/cm)	1600	160-510	312	2020	89	89	2020	No	Substances that form ions when in water
Sulfate (PPM)	500	1.4-29	7.8	2020	8.5	8.5	2020	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (PPM)	1000	130-340	226	2020	64	64	2020	No	Runoff/leaching from natural deposits
Turbidity (NTU)	5	ND-0.8	0.2	2020	See Primary Constituents on page 9			No	Soil runoff

DETECTED UCMR4 MONITORING CONSTITUENTS {G}

CONSTITUENT/UNITS	RANGE	AVG.	SAMPLE DATE	PRIMARY SOURCES/USES
Germanium (PPB)	ND	ND	2018-2020	Naturally-occurring element; a byproduct of zinc ore processing; used in infrared optics, fiber-optic systems, electronics and solar applications
Manganese (PPB)	ND-26	1.8	2018-2020	Naturally-occurring element; used in steel production, fertilizer, batteries and fireworks; drinking water and waste water treatment chemical; essential nutrient
DISTRIBUTION SYSTEM				
CONSTITUENT/UNITS	RANGE	HIGHEST LRAA	SAMPLE DATE	PRIMARY SOURCES/USES
HAA5 (PPB)	ND-35	27	2018-2019	Byproduct of drinking water disinfection
HAA6Br (PPB)	ND-3.8	2	2018-2019	Byproduct of drinking water disinfection
HAA9 (PPB)	ND-36	29	2018-2019	Byproduct of drinking water disinfection

Water Main Flushing

SSWD flushes water mains to remove sediments or other contaminants that can accumulate in pipes over time and lead to taste and odor problems. Flushing dead-end lines also improves disinfectant residual levels. In addition to protecting water quality, flushing helps reduce corrosive conditions associated with biofilm growth that has a potential to lead to pipeline leaks.

<p>PPM (parts per million):</p> <ul style="list-style-type: none"> 3 drops in 42 gallons 1 second in 12 days 1 inch in 16 miles 	<p>PPB (parts per billion):</p> <ul style="list-style-type: none"> 1 drop in 14,000 gallons 1 second in 32 years 1 inch in 16,000 miles
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ADDITIONAL DRINKING WATER CONSTITUENTS {H}

CONSTITUENT/UNITS	RANGE	AVG.	SAMPLE DATE	RANGE	AVG.	SAMPLE DATE	MAJOR SOURCES
Alkalinity (total, as CaCO ₃) (PPM)	67-190	113	2020	26	26	2020	Leaching from natural deposits
Alkalinity (bicarbonate, as CaCO ₃) (PPM)	81-230	136	2020	NR	NR	NA	Leaching from natural deposits
Calcium (PPM)	14-44	25	2020	11.2	11.2	2020	Erosion of natural deposits
Hardness	(grains/gallon)	3.3-13.5	2020	2.2	2.2	2020	Leaching from natural deposits; hardness is the sum of polyvalent cations present in the water, generally naturally-occurring magnesium and calcium
	(PPM)	56-230		37	37		
Magnesium (PPM)	5.2-29	16	2020	2.2	2.2	2020	Erosion of natural deposits
pH (NONE)	7.6-8.0	7.8	2020	8.4	8.4	2020	Leaching from natural deposits; a measurement of hydrogen ion activity
Sodium (PPM)	7.8-27	14	2020	2.6	2.6	2020	Erosion of natural deposits

Field Operations

SSWD’s Field Operations Team monitors the water system 24 hours a day, 7 days a week to help ensure that customers receive a continuous supply of safe, clean drinking water. If you have additional questions concerning water quality, you can visit SSWD’s web page (www.sswd.org/departments/water-quality), call us (916.972.7171), or email us at feedback@sswd.org.





Conserve Water Every Day

Please Conserve Water!

In an effort to help customers use water more efficiently, SSWD has assembled a variety of programs, ideas and references that are designed to reduce water use at home. If you are interested in learning more about SSWD's conservation programs and what you can do to use water more efficiently inside and outside your home, please visit our web page at www.sswd.org/conservation-tips. You may also schedule a Water Wise House Call by calling SSWD's office at 916.972.7171. Please help us preserve tomorrow's water supply by conserving water today.



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Once Again Your Drinking Water Continues to Meet State and Federal Drinking Water Standards

Need More Information? For questions about this report, or to request additional copies:

Call David Armand at 916.679.2888

EPA Drinking Water Information:
www.epa.gov/your-drinking-water

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

本報告包含有關飲用水的非常重要的信息。翻譯它或與熟悉它的人交談。

Этот отчет содержит очень важную информацию о вашей питьевой воде. Переведите это или поговорите с кем-то, кто это хорошо понимает.

Monthly Board Meetings

3rd Monday of each month, 6:00 p.m.
3701 Marconi Ave., Suite 100
Sacramento, CA 95821

Visit Our Website at sswd.org

SSWD Board of Directors

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