In conjunction with the San Francisco Public Utilities Commission (SFPUC), we produce this annual report detailing where your water comes from, how it is treated, and its overall chemical composition. We do this not only to meet a regulatory requirement but also provide an educational opportunity for you to understand our drinking water operations and public health protection efforts.

We are committed to providing high quality drinking water for all our customers. It is our hope that this report will not only provide you with greater knowledge of your water, but also an increased understanding of the considerable skill, talent, and effort of the SFPUC staff that goes into ensuring businesses and residents have reliable access to this precious resource.

We’re proud of our water, and we hope you are too. Throughout this report, you’ll find facts and figures to help expand upon the basic information we’re required to provide. We hope you enjoy getting to know a little more about who we are as an Agency and how you can get involved.

**WATER FACT:**
Bottled water not only contributes to plastic waste and additional carbon emissions in transportation, it is also on average **11 TIMES** more expensive than tap water, and not as heavily regulated as tap water.
OUR DRINKING WATER SOURCES AND TREATMENT

The Treasure Island Water System obtains water from the City of San Francisco, which is supplied by the San Francisco Regional Water System operated under the auspices of the SFPUC. The SFPUC’s major water source is in Yosemite National Park and originates from spring snowmelt flowing down the Tuolumne River to storage in the Hetch Hetchy Reservoir. This major source is supplemented with other surface water supplies stored in reservoirs located in the Sierra Nevada, Alameda County and San Mateo County, and groundwater stored in a deep aquifer located in San Francisco and San Mateo counties. Such a diverse mix of sources protects us from potential disruptions due to emergencies or natural disasters, provides resiliency during periods of drought, and helps us ensure a long-term, sustainable water supply as we address issues such as climate uncertainty, regulatory changes, and population growth.

To meet drinking water standards for consumption, water from the surface water sources undergoes treatment before it is delivered to our customers. Water from the Hetch Hetchy Reservoir is exempt from state and federal filtration requirements but receives the following treatment: ultraviolet light and chlorine disinfection, pH adjustment for optimum corrosion control, fluoridation for dental health protection, and chloramination for maintaining disinfectant residual and minimizing the formation of regulated disinfection byproducts. Water from local Bay Area reservoirs in Alameda County and San Mateo County is delivered to Sunol Valley Water Treatment Plant (SVWTP) and Harry Tracy Water Treatment Plant (HTWTP), respectively, and is treated by filtration, disinfection, fluoridation, optimum corrosion control, and taste and odor removal processes.

WATER FACT:

96% of the Earth’s water is saline, 2% is trapped in the polar caps as ice. Humans rely on the remaining 2% for drinking water. Source: on.doi.gov/3uNqkJV

WATERSHED PROTECTION

The SFPUC conducts watershed sanitary surveys for the Hetch Hetchy source annually and for the non-Hetch Hetchy surface water sources every five years. The latest sanitary surveys for the non-Hetch Hetchy sources were completed in 2021 for the period of 2016-2020. These surveys are to evaluate the sanitary conditions and water quality of the watersheds, and to review results of watershed management activities conducted by the SFPUC and partner agencies including National Park Services and US Forest Services in the preceding years. Wildfire, wildlife, livestock, and human activities are the potential contamination sources. You may contact the San Francisco District office of the State Water Resources Control Board’s Division of Drinking Water (SWRCB-DDW) at 510-620-3474 for the review of these reports.
WATER QUALITY

In conjunction with the SFPUC, we regularly collect and test water samples from reservoirs and designated sampling points throughout the water sources, transmission system and our distribution system to ensure the water delivered to you meets or exceeds federal and State drinking water standards. Collectively we conducted more than 78,300 drinking water tests in the source, transmission, and distribution system in 2020. This is in addition to the extensive treatment process control monitoring performed by the SFPUC’s certified operators and online instruments.

Drinking water, including bottled water, may reasonably be expected to contain at least small amount of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. In order to ensure that tap water is safe to drink, the United States Environmental Protection Agency (USEPA) and the SWRCB-DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The 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.

WATER FACT:

Ever wondered how much water it takes to make breakfast?

On average, it takes about 35 gallons to produce a cup of coffee beans, 193 gallons to produce the wheat for a 1lb loaf of bread, and 50 gallons of water to produce 2 eggs.

Source: waterfootprint.org

FLUORIDATION AND DENTAL FLUOROSIS

Mandated by State law, water fluoridation is a widely accepted practice proven to be safe and effective for preventing and controlling tooth decay. Our fluoride target level in the water is 0.7 milligram per liter (mg/L, or part per million, ppm), which is consistent with the May 2015 State regulatory guidance on optimal fluoride level. Infants fed formula mixed with water containing fluoride at this level may still have a chance of developing tiny white lines or streaks in their teeth. These marks are referred to as mild to very mild fluorosis, and are often only visible under a microscope. Even in cases where the marks are visible, they do not pose any health risk. The Centers of Disease Control (CDC) considers it safe to use optimally fluoridated water for preparing infant formula. To lessen this chance of dental fluorosis, you may choose to use low-fluoride bottled water to prepare infant formula. Nevertheless, children may still develop dental fluorosis due to fluoride intake from other sources such as food, toothpaste and dental products.

Contact your healthcare provider or SWRCB-DDW if you have concerns about dental fluorosis. For additional information about fluoridation or oral health, visit the SWRCB-DDW website waterboards.ca.gov/drinking_water/certlic/drinkingwater/Fluoridation.html, the CDC website cdc.gov/fluoridation, or SFPUC’s website sfpuc.org/waterquality.
GET FAMILIAR WITH THE SFPUC’S WATERSHEDS

The system that delivers our water is made up of many different sources of water. We work hard to protect our water and water quality. Find out about each of the SFPUC’s reservoirs, how much they contribute to the system and how you can visit them.

**CALAVERAS RESERVOIR**

**FUN FACT:**
The largest of the SFPUC’s East Bay reservoirs, Calaveras is located near a seismically active fault. The original dam was built in 1925, and was recently replaced along with several upgrades to improve the SFPUC’s ability to better manage the watershed’s biodiversity.

**CHERRY LAKE**

**FUN FACT:**
This is the only lake in the SFPUC’s system where recreational boating is permitted on the water itself, as this is only an emergency supply. Maintained in partnership with the US Forest Service, Cherry Lake is a popular recreation spot for locals and visitors alike.

**CRYSTAL SPRINGS RESERVOIR**

**FUN FACT:**
Actually consisting of two reservoirs, Upper and Lower Crystal Springs together provide one of the most accessible watersheds to visit offering the opportunity to walk, hike, and even attend docent lead bike tours along nearby trails.

**HETCH HETCHY RESERVOIR**

**FUN FACT:**
The name of the SFPUC’s largest reservoir is Miwok for “Valley of the Two Trees”, which refers to a pair of pines that once stood at the head of Hetch Hetchy Valley. Miwok names are still used throughout the area, including the two waterfalls Tueeulala Fall, Wapama Fall, and Kolana Rock.

**LAKE ELEANOR**

**FUN FACT:**
Although the current lake was created by the damming of the Eleanor Creek in 1918, there was a smaller natural lake located at the same site, and bearing the same name. Today, visitors can take advantage of trails primarily used for moderate hikes as well as the campground.

**PILARCITOS RESERVOIR**

**FUN FACT:**
Construction of Pilarcitos Dam began in 1862, and was completed in 1866. It was raised in 1867 and 1874. The dam is an earth fill dam with a clay puddle core, and a height of 95 feet from foundation to crest. The reservoir has a capacity of just over 1 billion gallons. It serves as a key water supply for Half Moon Bay.

**SAN ANDREAS RESERVOIR**

**FUN FACT:**
As the name would suggest, the San Andreas fault runs through the Reservoir, and the dam holding back the reservoir survived the 1906 earthquake. The 6-mile long Sawyer Camp Trail links San Andreas and Crystal Springs reservoirs.

**SAN ANTONIO RESERVOIR**

**FUN FACT:**
Located near the town of Sunol in Alameda County, This reservoir was impounded in 1964 by Turner Dam, named after former General Manager of Hetch Hetchy, James H. Turner. Like Calaveras, it is closed to the public.

A watershed is a land area that collects and channels rainfall and snowmelt by gravity to creeks, streams, and rivers, and eventually to common outflow points such as reservoirs, bays, and the ocean.
SPECIAL HEALTH NEEDS

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as those with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly people and infants, can be particularly at risk from infections.

These people should seek advice about drinking water from their healthcare providers. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the USEPA’s Safe Drinking Water Hotline 800-426-4791 or at epa.gov/safewater.

BORON DETECTION ABOVE NOTIFICATION LEVEL IN SOURCE WATER

In 2020, boron was detected at a level of 1.06 ppm in the raw water stored in Pond F3 East, an approved source in Alameda Watershed. This detection is lower than those in the past, and is slightly above the California Notification level (NL). Boron is an element in nature, and is typically released into air and water when soils and rocks naturally weather. Currently there is no drinking water standard for this naturally-occurring contaminant.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

PFAS is a group of approximately 5,000 man-made, persistent chemicals used in a variety of industries and consumer products. The SFPUC conducted voluntary monitoring of 18 PFAS contaminants for surface water in 2019 and groundwater supplies in 2019 and 2020. No PFAS was detected in all water sources; only one PFAS contaminant, ADONA, was slightly detected at a level of 2.7 parts per trillion in the distribution system. Considering a new analytical method recently adopted by the USEPA for some more PFAS contaminants, the SFPUC plans to conduct voluntarily another round of PFAS monitoring in 2021. For additional information about PFAS, visit SFPUC website at sfpu.org/waterquality, SWRCB-DDW website waterboards.ca.gov/pfas, and/or USEPA website epa.gov/pfas.
CONTAMINANTS AND REGULATIONS

Generally, the sources of drinking water (both tap water and bottled water) include rivers, lakes, oceans, 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. Such substances are called contaminants, and may be present in source water as:

**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, which 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**, which can be naturally occurring or be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline 800-426-4791, or at [epa.gov/safewater](http://epa.gov/safewater).

DRINKING WATER AND LEAD

Exposure to lead, if present, can cause serious health effects in all age groups, especially for pregnant women and young children. Infants and children who drink water containing lead could have decreases in IQ and attention span and increases in learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water and removing lead pipes, but we cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family’s risk. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your pipes for several minutes, such as running your tap, taking a shower, doing laundry or a load of dishes, before using water for drinking and cooking. You can also use a filter certified by an American National Standards Institute accredited certifier to remove lead from drinking water. If you are concerned about lead in your water, you may wish to have your water tested. Information about lead in drinking water, testing methods, and steps you can take to minimize exposure is available at [epa.gov/safewater/lead](http://epa.gov/safewater/lead).
The SFPUC offers the following to help our customers minimize exposure to lead in water:

- Offering low-cost water tests for lead ($25 per tap). Call **311** or visit the SFPUC’s website [sfpuc.org/lead](http://sfpuc.org/lead) to apply for the lead testing analysis.

- Free lead test vouchers for clients enrolled in the Women, Infants, and Children (WIC) program. Contact San Francisco Department of Public Health for getting the test voucher.

### LEAD USER SERVICE LINE (LUSL)

We reported in 2019 that a total of 182 service lines made of unknown material and five galvanized steel service lines were identified in our distribution system, which has no known LUSLs. We continued inspecting and characterizing these unknown material service lines throughout 2020. Our policy is to remove and replace any LUSL promptly if it is discovered during pipeline repair. Currently, both Treasure Island and Yerba Buena Island are under redevelopment and the associated construction activities that began in 2015 will continue in phases through 2036. Upon completion of each redevelopment phase, the corresponding portion of our existing water distribution will be replaced with lead-free infrastructure.

### LEAD AND COPPER TAP SAMPLING RESULTS

In conjunction with the SFPUC, we conducted our triennial Lead and Copper Rule (LCR) monitoring in 2018. LCR monitoring occurs at household taps within residences. The results do not represent lead and copper concentrations throughout the distribution system. The next round of LCR monitoring will be in 2021. Contact the SFPUC at **877-737-8297** for the tap monitoring results.

### LEAD TESTING IN SCHOOLS

Working with the SFPUC, we completed a round of lead monitoring in tap water at Life Learning Academy Charter School in 2018. Monitoring results can be available from the school or the SFPUC at **877-737-8297**.

**WATER FACT:**

Only **14 countries** report high levels of community and user participation for collaborative management and decision-making.

Source: [UN Water: SDG6 Water and Sanitation for All, 2021](https://bit.ly/3mOgag7)
KEY WATER QUALITY TERMS

The following are definitions of key terms referring to standards and goals of water quality noted on the data table.

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 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 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 (SMCLs) are set to protect the odor, taste, and appearance of drinking water.

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 TT (see below) for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

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

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

Turbidity: A water clarity indicator that measures cloudiness of the water, and is also used to indicate the effectiveness of the filtration system. High turbidity can hinder the effectiveness of disinfectants.

Cryptosporidium is a parasitic microbe found in most surface water. In conjunction with the SFPUC, we regularly test for this waterborne pathogen and found it at very low levels in source water and treated water in 2020. However, current test methods approved by the USEPA do not distinguish between dead organisms and those capable of causing disease. Ingestion of Cryptosporidium may produce symptoms of nausea, abdominal cramps, diarrhea, and associated headaches. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

OUR WATER IN THE COMMUNITY

Our system is permitted by the SWRCB-DDW and the Treasure Island Development Authority (TIDA) holds the permit. The existing system was inherited from the Navy but will be replaced in its entirety over the next 15 years as part of the ongoing redevelopment of Treasure Island and Yerba Buena Island. Three new pre-stressed concrete water storage tanks with state-of-the-art controls and remote monitoring capabilities are being constructed atop Yerba Buena Island and will provide 4.2 million gallons (MG) of storage for the system when they are commissioned later this year.

Key portions of the water distribution system are included in the initial phase of development, including the lines supplying the water storage tanks and the distribution lines from the tank. Redundant, earthquake-resistant lines will be installed in the causeway connecting the two islands. The new system will ensure high water quality and more resilient and reliable service to all of our customers. The development will also construct a new reclaimed water distribution system for irrigation and non-potable uses within new buildings constructed on the Treasure Island.

The SFPUC assists TIDA with the water quality monitoring as well as construction support as redevelopment proceeds.
The table below lists contaminants detected in our drinking water in 2020 and the information about their typical sources. Contaminants below detection limits for reporting are not shown, in accord with regulatory guidance. The SFPUC holds a SWRCB-DDW monitoring waiver for some contaminants in our surface water supply and therefore their monitoring frequencies are less than annual. Visit [sfpuc.org/waterquality](http://sfpuc.org/waterquality) for a list of all water quality parameters monitored in raw water and treated water in 2020.

### Detected Contaminants

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Unit</th>
<th>MCL</th>
<th>PHG or MCLG</th>
<th>Range or Level Found</th>
<th>Average or [Max]</th>
<th>Major Sources in Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Turbidity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unfiltered Hetch Hetchy Water</td>
<td>NTU</td>
<td>5</td>
<td>N/A</td>
<td>0.2 - 0.5 (1)</td>
<td>[1.3]</td>
<td>Soil runoff</td>
</tr>
<tr>
<td>Filtered Water from Sunol Valley Water Treatment Plant (SVWTP)</td>
<td>NTU</td>
<td>Min 95% of samples ≤0.3 NTU (11)</td>
<td>N/A</td>
<td>-</td>
<td>[0.4]</td>
<td>Soil runoff</td>
</tr>
<tr>
<td>Filtered Water from Harry Tracy Water Treatment Plant (HTWTP)</td>
<td>NTU</td>
<td>Min 95% of samples ≤0.3 NTU (11)</td>
<td>N/A</td>
<td>-</td>
<td>[0.1]</td>
<td>Soil runoff</td>
</tr>
<tr>
<td><strong>Disinfection By-Products and Precursor</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Trihalomethanes</td>
<td>ppb</td>
<td>80</td>
<td>N/A</td>
<td>28 - 41</td>
<td>[41]</td>
<td>By-product of drinking water disinfection</td>
</tr>
<tr>
<td>Haloacetic Acids</td>
<td>ppb</td>
<td>60</td>
<td>N/A</td>
<td>20 - 32</td>
<td>[35]</td>
<td>By-product of drinking water disinfection</td>
</tr>
<tr>
<td>Total Organic Carbon (14)</td>
<td>ppm</td>
<td>TT</td>
<td>N/A</td>
<td>1.7 - 3.4</td>
<td>2.9</td>
<td>Various natural and man-made sources</td>
</tr>
<tr>
<td><strong>Microbiological</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Coliform</td>
<td>-</td>
<td>NoP ≤ 5.0% of monthly samples (0)</td>
<td>(0)</td>
<td>-</td>
<td>(0%)</td>
<td>Naturally present in the environment</td>
</tr>
<tr>
<td><em>Giardia lamblia</em></td>
<td>cyst/L</td>
<td>TT</td>
<td>(0)</td>
<td>0 - 0.05</td>
<td>0.01</td>
<td>Naturally present in the environment</td>
</tr>
<tr>
<td><strong>Inorganics</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoride (source water) (5)</td>
<td>ppm</td>
<td>2.0</td>
<td>1</td>
<td>ND - 0.7</td>
<td>0.3 (6)</td>
<td>Erosion of natural deposits; water additive to promote strong teeth</td>
</tr>
<tr>
<td>Chloramine (as chlorine) (7)</td>
<td>ppm</td>
<td>MRDL = 4.0</td>
<td>MRDLG = 4</td>
<td>0.8 - 2.8</td>
<td>[2.4] (7)</td>
<td>Drinking water disinfectant added for treatment</td>
</tr>
<tr>
<td><strong>Constituents with Secondary Standards</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloride</td>
<td>ppm</td>
<td>500</td>
<td>N/A</td>
<td>&lt;3 - 15</td>
<td>9</td>
<td>Runoff / leaching from natural deposits</td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>µS/cm</td>
<td>1600</td>
<td>N/A</td>
<td>30 - 260</td>
<td>160</td>
<td>Substances that form ions when in water</td>
</tr>
<tr>
<td>Sulfate</td>
<td>ppm</td>
<td>500</td>
<td>N/A</td>
<td>1 - 34</td>
<td>17</td>
<td>Runoff / leaching from natural deposits</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>ppm</td>
<td>1000</td>
<td>N/A</td>
<td>&lt;20 - 137</td>
<td>72</td>
<td>Runoff / leaching from natural deposits</td>
</tr>
<tr>
<td>Turbidity</td>
<td>NTU</td>
<td>5</td>
<td>N/A</td>
<td>ND - 0.2</td>
<td>ND</td>
<td>Soil runoff</td>
</tr>
<tr>
<td><strong>Lead and Copper</strong> (8)</td>
<td></td>
<td>AL</td>
<td>PHG</td>
<td>RANGE</td>
<td>90th PERCENTILE</td>
<td>MAJOR SOURCES IN DRINKING WATER</td>
</tr>
<tr>
<td>Copper</td>
<td>ppb</td>
<td>1300</td>
<td>300</td>
<td>ND - 144</td>
<td>74</td>
<td>Internal corrosion of household water plumbing systems</td>
</tr>
<tr>
<td>Lead</td>
<td>ppb</td>
<td>15</td>
<td>0.2</td>
<td>&lt;1 - 29</td>
<td>4.6</td>
<td>Internal corrosion of household water plumbing systems</td>
</tr>
<tr>
<td><strong>Other Water Quality Parameters</strong></td>
<td></td>
<td>ORL</td>
<td>RANGE</td>
<td>AVERAGE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alkalinity (as CaCO₃)</td>
<td>ppm</td>
<td>N/A</td>
<td>6.7 - 138</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium (as Ca)</td>
<td>ppm</td>
<td>N/A</td>
<td>2.9 - 22</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chlorate (6)</td>
<td>ppb</td>
<td>800 (NL)</td>
<td>67 - 1200</td>
<td>262</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardness (as CaCO₃)</td>
<td>ppm</td>
<td>N/A</td>
<td>8.0 - 79</td>
<td>45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td>ppm</td>
<td>N/A</td>
<td>0.2 - 6.8</td>
<td>4.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>-</td>
<td>N/A</td>
<td>8.1 - 9.8</td>
<td>9.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>ppm</td>
<td>N/A</td>
<td>0.3 - 1.3</td>
<td>0.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td>ppm</td>
<td>N/A</td>
<td>2.8 - 7</td>
<td>4.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td>ppm</td>
<td>N/A</td>
<td>2.4 - 22</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strontium</td>
<td>ppb</td>
<td>N/A</td>
<td>14 - 242</td>
<td>110</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Key**

- `<` = less than
- `/` = less than or equal to
- **AL** = Action Level
- **Max** = Maximum
- **Min** = Minimum
- **N/A** = Not Available
- **ND** = Non-Detect
- **NL** = Notification Level
- **NoP** = Number of Coliform-Positive Sample
- **NTU** = Nephelometric Turbidity Unit
- **ORL** = Other Regulatory Level
- **ppb** = part per billion
- **ppm** = part per million
- **µS/cm** = microSiemens/centimeter
FOOTNOTES ON TREASURE ISLAND WATER SYSTEM - WATER QUALITY DATA:
(1) These are monthly average turbidity values measured every 4 hours daily. (2) There is no turbidity MCL for filtered water. The limits are based on the TT requirements for filtration systems. (3) This is the highest locational running annual average value. (4) Total organic carbon is a precursor for disinfection byproduct formation. The TT requirement applies to the filtered water from the SVWTP only. (5) The SWRCB-DDW recommended an optimal fluoride level of 0.7 ppm be maintained in the treated water. In 2020, the range and average of the fluoride levels were 0.6 ppm - 0.9 ppm and 0.7 ppm, respectively. (6) Natural fluoride in the Hetch Hetchy source was ND. Elevated fluoride levels in the raw water at the SVWTP and HTWTP were attributed to the transfer of fluoridated Hetch Hetchy water into the local reservoirs. (7) This is the highest running annual average value. (8) The most recent Lead and Copper Rule monitoring was in August 2018. Two of the 18 site samples collected at consumer taps had lead concentrations above the AL. (9) The detected chlorate in the treated water is a degradation product of sodium hypochlorite, which the SFPUC uses for water disinfection.

Note: The different water sources blended at different ratios throughout the year have resulted in varying water quality. Additional water quality data may be obtained by calling the SFPUC’s Water Quality Division toll-free number at 877-737-8297.
This report contains important information about your drinking water. Translate it, or speak with someone who understands it.

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

Mahalaga ang impormasyong ito. Mangyaring ipasalin ito.

此类报告包含了关于您用水的重要信息。请翻译成您能理解的语言。

Cé rapport contient des information importantes concernant votre eau potable. Veuillez traduire, ou parlez avec quelqu’un qui peut le comprendre.

Dieser Bericht enthält wichtige Information über Ihr Trinkwasser. Bitte übersetzen Sie ihn oder sprechen Sie mit jemandem, der ihn versteht.

Questo rapporto contiene informazioni importanti che riguardano la vostra acqua potabile. Traducetelo, o parlate con una persona qualificata in grado di spiegarvelo.

Этот отчет содержит важную информацию о вашей питьевой воде. Переведите его или поговорите с тем, кто это понимает.

この報告書には上水道に関する重要な情報が記されています。翻訳を依頼されるか、内容をご理解なさっておられる方はお尋ね下さい。

Sophie Maxwell, PRESIDENT
Anson Moran, VICE PRESIDENT
Tim Paulson, COMMISSIONER
Ed Harrington, COMMISSIONER
Newsha K. Ajami, COMMISSIONER

Interested in learning more? The Commission meets monthly, and more details are on the SFPUC website

sfpuc.org/commission

San Francisco Public Utilities Commission

Every day the SFPUC delivers high-quality drinking water to 2.7 million people in San Francisco, Alameda, Santa Clara and San Mateo counties. The SFPUC generates clean, reliable hydroelectricity that powers 100% of San Francisco’s vital services, including police and fire stations, street lights, Muni, SF General Hospital and more.

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