During the period 3/11/24 through 3/31/24, Sunset and Sutro reservoirs received surface water from Bay Area reservoirs and Hetch Hetchy Reservoir, with no contribution from local groundwater. Table 1 below summarizes the water quality characteristics of the blended water in the reservoirs.

Table 1: Blended Water Characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>California Title 22 Regulatory Standard</th>
<th>Unit</th>
<th>2022 Maximum Value</th>
<th>2022 Minimum Value</th>
<th>Latest Data from Sunset Reservoir Outlet</th>
<th>Attached Time-Series Plots</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alkalinity Other</td>
<td>mg/L (as CaCO₃)</td>
<td>166</td>
<td>7.1</td>
<td>60</td>
<td>Plot 1a</td>
<td></td>
</tr>
<tr>
<td>Chloride</td>
<td>mg/L</td>
<td>15</td>
<td>&lt;3</td>
<td>14</td>
<td>Plot 2a</td>
<td></td>
</tr>
<tr>
<td>Hardness Other</td>
<td>mg/L (as CaCO₃)</td>
<td>49</td>
<td>9.1</td>
<td>60</td>
<td>Plot 1b</td>
<td></td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>mg/L</td>
<td>104</td>
<td>&lt;20</td>
<td>106</td>
<td>Plot 2b</td>
<td></td>
</tr>
<tr>
<td>Specific Conductance</td>
<td>µS/cm</td>
<td>210</td>
<td>37</td>
<td>217</td>
<td>Plot 2c</td>
<td></td>
</tr>
</tbody>
</table>

The blended water is routinely sampled to ensure the quality of deliveries and safety of drinking water supplied to our customers. Over one hundred parameters are sampled, in accordance with the California Code of Regulations (CCR), Title 22 Drinking Water Regulations. Table 2 below summarizes water quality parameters for which blending is required. While the levels of these parameters may vary slightly from week to week, they will not exceed the drinking water standards set by the California State Water Resources Control Board (SWRCB) Division of Drinking Water and the United States Environmental Protection Agency (USEPA).

Table 2: Water Quality Data for Groundwater Parameters that Require Blending - Sunset Reservoir

<table>
<thead>
<tr>
<th>Parameter</th>
<th>California Title 22 Regulatory Standard</th>
<th>Unit</th>
<th>Current Sampling Frequency</th>
<th>Number of Samples to Date</th>
<th>Date of Latest Sample</th>
<th>Latest</th>
<th>High</th>
<th>Low</th>
<th>Average</th>
<th>Blending Results</th>
<th>Attached Time-Series Plots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium VI</td>
<td>0.01 µg/L</td>
<td>mg/L</td>
<td>Weekly</td>
<td>689</td>
<td>3/27/2024</td>
<td>0.00013</td>
<td>0.00012</td>
<td>0.000034</td>
<td>0.00024</td>
<td>Plot 3a</td>
<td></td>
</tr>
<tr>
<td>Manganese (Mn)</td>
<td>0.05 µg/L</td>
<td>mg/L</td>
<td>Weekly</td>
<td>591</td>
<td>3/27/2024</td>
<td>&lt;0.002</td>
<td>0.0084</td>
<td>&lt;0.002</td>
<td>&lt;0.002</td>
<td>Plot 4a</td>
<td></td>
</tr>
<tr>
<td>Nitrate</td>
<td>10 µg/L</td>
<td>mg/L (as N)</td>
<td>Weekly</td>
<td>704</td>
<td>3/27/2024</td>
<td>0.12</td>
<td>0.53</td>
<td>&lt;0.04</td>
<td>0.11</td>
<td>Plot 5a</td>
<td></td>
</tr>
</tbody>
</table>

Groundwater serving the Sutro Reservoir only comes from the Lake Merced Well, which does not require blending. Table 3 provides the most recent data of blended water quality.

Table 3: Water Quality Data for Groundwater Parameters that Require Blending - Sutro Reservoir

<table>
<thead>
<tr>
<th>Parameter</th>
<th>California Title 22 Regulatory Standard</th>
<th>Unit</th>
<th>Current Sampling Frequency</th>
<th>Number of Samples to Date</th>
<th>Date of Latest Sample</th>
<th>Latest</th>
<th>High</th>
<th>Low</th>
<th>Average</th>
<th>Blending Results</th>
<th>Attached Time-Series Plots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium VI</td>
<td>0.01 µg/L</td>
<td>mg/L</td>
<td>Weekly</td>
<td>344</td>
<td>3/27/2024</td>
<td>0.00011</td>
<td>0.00058</td>
<td>&lt;0.00002</td>
<td>0.000013</td>
<td>Plot 3b</td>
<td></td>
</tr>
<tr>
<td>Manganese (Mn)</td>
<td>0.05 µg/L</td>
<td>mg/L</td>
<td>Weekly</td>
<td>355</td>
<td>3/27/2024</td>
<td>0.0023</td>
<td>0.050</td>
<td>&lt;0.002</td>
<td>0.0028</td>
<td>Plot 4b</td>
<td></td>
</tr>
<tr>
<td>Nitrate</td>
<td>10 µg/L</td>
<td>mg/L (as N)</td>
<td>Weekly</td>
<td>357</td>
<td>3/27/2024</td>
<td>0.12</td>
<td>0.44</td>
<td>&lt;0.04</td>
<td>0.082</td>
<td>Plot 5b</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1) SMCL as discussed in Article 16, Section §64449 (b) of Title 22. Division 4. Chapter 15 of the CCR.
2) Values are obtained from SFPUC 2020 Consumer Confidence Report data table.
3) CA State Standard for Chromium VI was deleted from the CCR in August 2017. However, the SWRCB will implement a new standard as soon as possible. In the interim the SFPUC will continue to monitor for Chromium VI.
4) MCL as discussed in Article 16, Section §64449 (b) of Title 22. Division 4. Chapter 15 of the CCR.
5) Before each drinking water well goes into routine production, rigorous start-up testing is conducted for eight weeks, after which a long-term sampling schedule begins. The start-up and long-term sampling schedules are in accordance with a water quality compliance monitoring plan that was reviewed and approved by the SWRCB.
6) Single sample data point.
7) Historical high, low and average blend values based on data from 4/23/2017, after groundwater was first introduced to the water supply, through the latest sampling date for which laboratory results are available.

Acronyms:
GW - groundwater
HTWTP - Harry Tracy Water Treatment Plant
HH - Hetch Hetchy Aqueduct
MCL - Maximum Contaminant Level
mg/L - milligrams per liter
SFGW - San Francisco Groundwater Supply Project
SMCL - Secondary Maximum Contaminant Level
SVWTP - Sunol Valley Water Treatment Plant
µS/cm - micro-Siemens per centimeter
Acronyms and Abbreviations

HTWTP  Harry Tracy Water Treatment Plant

mg/L  milligrams per liter

SVWTP  Sunol Valley Water Treatment Plant

CaCO₃  calcium carbonate

SFGW  San Francisco Groundwater Supply Project

Alkalinity Concentration in Sunset Reservoir Blended Outflow

No established standard.

Total Hardness (as CaCO₃) of Sunset Reservoir Blended Outflow

No established standard; generally non‐objectionable below 100 mg/L.

Source: SFPUC San Francisco Groundwater Supply Project semi-monthly surface water-groundwater blend reports.

Percent of combined supply to Sunset and Sutro reservoirs for semi-monthly periods

Plot 1
Alkalinity and Hardness of Reservoir Blended Outflow, April 2017-March 2024
**Chloride Concentration in Sunset Reservoir Blended Outflow**

- Chloride
- Secondary MCL* - upper level
- Secondary MCL* - recommended level

**Total Dissolved Solids Concentration in Sunset Reservoir Blended Outflow**

- Total Dissolved Solids
- Secondary MCL* - upper level
- Secondary MCL* - recommended level

**Specific Conductance of Sunset Reservoir Blended Outflow**

- Specific Conductance
- Secondary MCL* - upper level
- Secondary MCL* - recommended level

**Percent of combined supply to Sunset and Sutro reservoirs for semi-monthly periods**

- Hetch Hetchy and SVWTP
- SFGW groundwater wells
- HTWTP

Source: SFPUC San Francisco Groundwater Supply Project semi-monthly surface water-groundwater blend reports.
Hexavalent Chromium Concentration in Sunset Reservoir Blended Outflow

- Hexavalent Chromium (μg/L)
- --- Proposed MCL
- --- SFPUC goal

Hexavalent Chromium Concentration in Sutro Reservoir Blended Outflow

- Hexavalent Chromium (μg/L)
- --- Proposed MCL
- --- SFPUC goal

Percent of combined supply to Sunset and Sutro reservoirs for semi-monthly periods

- Not reported

* The California SCRCB-DDW proposed a 10 μg/L MCL for hexavalent chromium in March 2022. Currently, all chromium is regulated under the 50 μg/L MCL for total chromium. SFPUC maintains a goal equal to 40 percent of the proposed MCL.

Source: SFPUC San Francisco Groundwater Supply Project

Semi-monthly surface water-groundwater blend reports.
Acronyms and Abbreviations

μg/L  micrograms per liter
HTWTP  Harry Tracy Water Treatment Plant
MCL  maximum contaminant level
ND  not detected
SVWTP  Sunol Valley Water Treatment Plant
SFGW  San Francisco Groundwater Supply Project

*Consumer acceptance contaminant level: concentrations that may adversely affect drinking water taste, odor, or appearance.

Source: SFPUC San Francisco Groundwater Supply Project semi-monthly surface water-groundwater blend reports.
### Acronyms and Abbreviations
- **HTWTP**: Harry Tracy Water Treatment Plant
- **mg/L-N**: milligrams per liter as nitrogen
- **MCL**: maximum contaminant level
- **ND**: not detected
- **SVWTP**: Sunol Valley Water Treatment Plant
- **SFGW**: San Francisco Groundwater Supply Project

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**Plot 5**

**Nitrate Concentration of Reservoir Blended Outflow, April 2017 - March 2024**

- **Nitrate Concentration in Sunset Reservoir Blended Outflow**
  - Nitrate (mg/L-N)
  - Primary MCL
  - SFPUC goal

- **Nitrate Concentration in Sutro Reservoir Blended Outflow**
  - Nitrate (mg/L-N)
  - Primary MCL
  - SFPUC goal

- **Percent of Combined Supply**
  - Hetch Hetchy and SVWTP
  - SFGW groundwater wells
  - HTWTP

Source: SFPUC San Francisco Groundwater Supply Project semi-monthly surface water-groundwater blend reports.