

This report contains important information about our drinking water. Translate it, or speak with someone who understands it. Este informe contiene información muy importante sobre su agua para beber. Tradúzcalo o hable con alguien que lo entienda bien. 此份水質報告,內有重要資訊。請找他人為你翻譯和解說清楚。

# Our Mission:

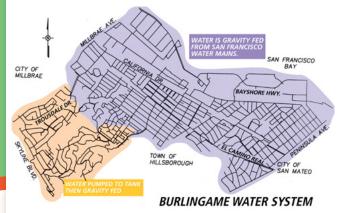
# QUALITY WATER

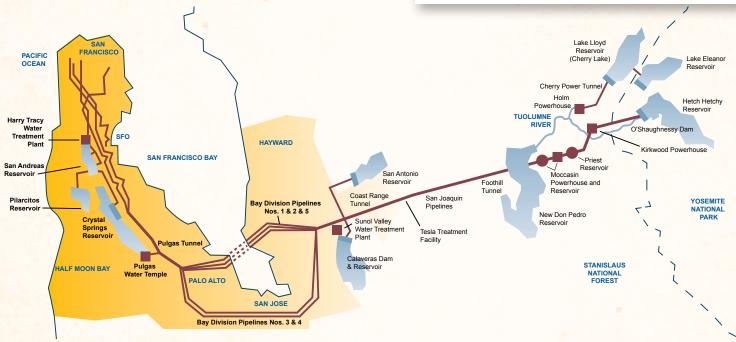
The City of Burlingame in coordination with the San Francisco Public Utilities Commission (SFPUC) is pleased to present our 2021 Annual Water Quality Consumer Confidence Report. We want our customers to know where their water comes from, how it is treated to ensure it is top quality and the results of water quality monitoring performed by the City of Burlingame and the SFPUC. With this knowledge, consumers can make health decisions concerning their water use. The SFPUC provides high-quality, reliable water service to 2.7 million residents in the Bay Area, rain or shine, as the result of decades of proactive planning. The City of Burlingame and the SFPUC are committed to customer service and providing you with high quality water.



#### **BURLINGAME WATER SYSTEM SERVICE AREA**

The City of Burlingame purchases all of its water from San Francisco Public Utilities Commission (SFPUC). The San Francisco Regional Water System (SFRWS) has several large pipelines running through town. We have several metered connections at various locations throughout the city. These connections feed directly into the Aqueduct Zone (purple area on map). Water is pumped to the higher elevations by booster pump stations and to storage reservoirs. The City of Burlingame has several pressure reducing valves to regulate the water pressure in higher elevation areas.





### **Our Drinking Water Sources and Treatment**

Most of our drinking water supply comes from the San Francisco Regional Water System (SFRWS), which is a wholesaler owned and managed by the San Francisco Public Utilities Commission (SFPUC). The supply consists of surface water and groundwater that are well protected and carefully managed by the SFPUC. These sources are diverse in both the origin and the location with the surface water stored in reservoirs located in the Sierra Nevada, Alameda County and San Mateo County, and groundwater stored in a deep aquifer located in the northern part of San Mateo County. Maintaining this variety of sources is an important component of the SFPUC's near- and long-term water supply management strategy. 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, all surface water supplies including the upcountry non-Hetch Hetchy sources (UNHHS) undergo treatment by the SFRWS before it is delivered. 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 UNHHS is delivered to Sunol Valley Water Treatment Plant (SVWTP); whereas water from local reservoirs in San Mateo County is delivered to Harry Tracy Water Treatment Plant (HTWTP). Water treatment at these plants consist of filtration,

disinfection, fluoridation, optimum corrosion control, and taste and odor removal. In 2021, no UNHHS water was used. However, a small amount of groundwater from four wells was added to the SFRWS's surface water supply through blending in the transmission pipelines.

#### Watersheds Protection

SFRWS conducts watershed sanitary surveys for the Hetch Hetchy source annually and for non-Hetch Hetchy surface water sources every five years. The latest sanitary surveys for the non-Hetch Hetchy watersheds were completed in 2021 for the period of 2016-2020.



All these surveys together with our stringent watershed protection management activities were completed with support from partner agencies including National Park Service and US Forest Service. The purposes of the surveys are to evaluate the sanitary conditions and water quality of the watersheds and to review results of watershed management activities conducted in the preceding years. Wildfire, wildlife, livestock, and human activities continue to be the potential contamination sources. You may contact the San Francisco District office of the State Water Resources Control Board (SWRCB)'s Division of Drinking Water at 510-620-3474 for the review of these reports.

# • • WATER MAIN FLUSHING PROGRAM

The Burlingame Public Works Water Division routinely flushes water mains throughout the City in order to maintain water quality and remove sediment that may be present. Tuberculation (a form of corrosion inside iron pipes) and sediment can discolor water, and over time, impede the flow of water through the distribution system. The mains are flushed through a systematic opening and closing of valves to force the flow of water in one direction. This technique, known as unidirectional flushing, allows section by section of pipeline to be cleaned, which reduces the amount of water required to effectively clean the pipeline distribution system.

For more information about water main flushing, go to www.burlingame.org/watermainflushing

# Conservation Programs and Resources

# Smart Irrigation Controller Program

The City of Burlingame is partnering with Rachio to offer single-family residential customers a discount on the Rachio 3 Smart Sprinkler Controller. This device helps



you monitor and manage watering your lawn from anywhere using a smartphone app. You can create tailored schedules, make automatic weather adjustments, and maintain a water-efficient yard.

#### Rain Barrel Rebate

Capture rainwater to use later for watering your plants and save up to \$200 off a qualifying barrel.

#### Free Landscape Classes

Learn how to garden beautifully while reducing your water use. Visit www.bawsca.org/classes for a list of upcoming workshops.

Burlingame residents and property owners are eligible for a range of water conservation rebates and resources. For more information on these programs, please visit www.burlingame.org/waterconservation

# **Conservation Tips**

Test your toilets for leaks at least once a year.

Use a WaterSense° labeled showerhead.



When upgrading your clothes washing machine, choose an Energy Star model.

Spread a layer of organic mulch on your plants to reduce evaporation.





Replace turf lawns with California native plants since they are adapted to this climate and have lower watering needs.

Monitor your water bill for unusually high water use.



# CITY OF BURLINGAME - WATER QUALITY DATA FOR YEAR 2021

This report is a snapshot of last year's water quality. The tables below list detected contaminants in our drinking water in 2021 and the information about their typical sources. Contaminants below detection limits for reporting are not shown, in accordance with regulatory guidance. The SFPUC holds a SWRCB monitoring waiver for some contaminants in the surface water supply and therefore their monitoring frequencies are less than annual.

Montement Heach Heath Water   Montement Heath Water   Montement Heath Water From Sunny Valley Water Grant Water Water From Sunny Valley Water Grant	DETECTED CONTAMINANTS	Unit	MCL/TT	PHG or (MCLG)	Range or Level Found	Average or [Max]	Typical Sources in Drinking Water			
No   No   No   No   No   No   No   No	TURBIDITY									
Filtered Water from Sunol Valley Water   Treatment Plant (SVWTP)   -	Unfiltered Hetch Hetchy Water	NTU	5	N/A	0.2 - 0.4 (2)	[3.3]	Soil runoff			
Teatment Plant (SVWTP)   Suit running   Suit run	File	NTU	1 (3)	N/A	-	[0.4]	Soil runoff			
Filtered Water from Harry Tracy Water Treatment Plant (HTWTP)  - No		-		N/A	99.8% - 100%	-	Soil runoff			
Treatment Plant (HTWTP)	Files of Webs from House Town Webs	NTU	1 (3)	N/A	-	[0.2]	Soil runoff			
Total Trihatomethanes         ppb         80         N/A         23.5 - 48.5         [36.1] (*)         Byproduct of drinking water disinfection           Five Haloacetic Acids         ppb         60         N/A         13.5 - 31.6         [25.6] (*)         Byproduct of drinking water disinfection           Bromate         ppb         10         0.1         ND - 1.9         [2.1] (*)         Byproduct of drinking water disinfection           Total Origanic Carbon (**)         ppm         TT         N/A         1.2 - 2.2         1.8         Various natural and man-made sources           MICROBIOLOGICAL         TOTAL Coliform (***)         -         NOP S 5.0% of monthly samples         (0)         0         [0%]         Naturally present in the environment           Fecal Coliform and E. coli***         -         0 Positive Sample         (0)         0         0         1         Naturally present in the environment           Fluoride (source water) (***)         ppm         2.0         1         ND - 0.8         0.4 (***)         Erosion of natural deposits; water additive to promote strong teeth           Chloramine (as chlorine)         ppm         MRDL = 4.0         MRDL = 4         0.05 - 3.38         2.48 (***)         Drinking water disinfection           Chloramine (as chlorine)         ppm         500		-	Min 95% of samples ≤ 0.3 NTU <sup>(3)</sup>	N/A	100%	-	Soil runoff			
Five Haloacetic Acids	DISINFECTION BYPRODUCTS AND PRECURSOR									
Bromate         ppb         10         0.1         ND - 1.9         [2.1] <sup>(S)</sup> Byproduct of drinking water disinfection           Total Organic Carbon <sup>(M)</sup> ppm         TT         N/A         1.2 - 2.2         1.8         Various natural and man-made sources           MICROBIOLOGICAL         Total Coliform <sup>(M)</sup> - NOP ≤ 5.0% of monthly samples         (0)         0         [0%]         Naturally present in the environment           Fecal Coliform and E. coli <sup>(M)</sup> - OPositive Sample         (0)         0 - 0.04         0.01         Naturally present in the environment           Fload lamblia         cyst/L         TT         (0)         0 - 0.04         0.01         Naturally present in the environment           INORGANICS           Fluoride (source water) <sup>(M)</sup> ppm         2.0         1         ND - 0.8         0.4 <sup>(N)</sup> Erosion of natural deposits; water additive to promote strong teeth           Chloramine (as chlorine)         ppm         MRDL = 4.0         MRDLG = 4         0.05 - 3.38         2.48 <sup>(N)</sup> Drinking water disinfectant added for treatment           CONSTITUENTS WITH SECONDARDS         Unit         SMCL         PHG         Range         Average         Major Sources of Contaminant           Chloride	Total Trihalomethanes	ppb	80	N/A	23.5 - 48.5	[36.1] (4)	Byproduct of drinking water disinfection			
Total Organic Carbon (a) ppm TT N/A 1.2 - 2.2 1.8 Various natural and man-made sources  MICROBIOLOGICAL  Total Coliform (a) - NoP ≤ 5.0% of monthly samples (0) 0 0 [0%] Naturally present in the environment  Fecal Coliform and E. coli (a) - 0 Positive Sample (0) 0 - 0.04 0.01 Naturally present in the environment  Roardia lamblia cyst/L TT (0) 0 - 0.04 0.01 Naturally present in the environment  NORGANICS  Fluoride (source water) (a) ppm ARDL = 4.0 MRDLG = 4 0.05 - 3.38 0.4 (a) Erosion of natural deposits; water additive to promote strong teeth  Chloramine (as chlorine) ppm MRDL = 4.0 MRDLG = 4 0.05 - 3.38 2.48 (a) Drinking water disinfectant added for treatment  CONSTITUENTS WITH SECONDARY STANDARDS  Unit SMCL PHG Range Average Major Sources of Contaminant  Chloride ppm 500 N/A <3 - 11 6.7 Runoff / leaching from natural deposits  Specific Conductance µS/cm 1600 N/A 34 - 217 135 Substances that form ions when in water  Sulfate ppm 500 N/A 1.1 - 29 13 Runoff / leaching from natural deposits  Total Dissolved Solids ppm 1000 N/A <20 - 96 52 Runoff / leaching from natural deposits  Turbidity NTU 5 N/A ND - 0.2 ND Soit runoff  LEAD AND COPPER Unit AL PHG Range Percentile Major Sources in Drinking Water  Copper ppb 1300 300 1.6 - 57.4 (iii) 40 Internal corrosion of household water plumbing systems	Five Haloacetic Acids	ppb	60	N/A	13.5 - 31.6	[25.6] (4)	Byproduct of drinking water disinfection			
MICROBIOLOGICAL           Total Coliform (**)         - NoP ≤ 5.0% of monthly samples         (0)         0         [0%]         Naturally present in the environment           Fecal Coliform and E. coli***         - 0 Positive Sample         (0)         0 - 0.04         0.01         Naturally present in the environment           INDROBANICS           Fluoride (source water) (**)         ppm         2.0         1         ND - 0.8         0.4 (**)         Erosion of natural deposits; water additive to promote strong teeth           Chloramine (as chlorine)         ppm         MRDL = 4.0         MRDLG = 4         0.05 - 3.38         2.48 (**)         Drinking water disinfectant added for treatment           CONSTITUENTS WITH SECONDARY STANDARDS         Unit         SMCL         PHG         Range         Average         Major Sources of Contaminant           Chloride         ppm         500         N/A         < 3 - 11         6.7         Runoff / leaching from natural deposits           Specific Conductance         μS/cm         1600         N/A         34 - 217         135         Substances that form ions when in water           Sulfate         ppm         500         N/A         11 - 29         13         Runoff / leaching from natural deposits <td>Bromate</td> <td>ppb</td> <td>10</td> <td>0.1</td> <td>ND - 1.9</td> <td>[2.1] (5)</td> <td>Byproduct of drinking water disinfection</td>	Bromate	ppb	10	0.1	ND - 1.9	[2.1] (5)	Byproduct of drinking water disinfection			
Total Coliform <sup>(n)</sup> - NoP ≤ 5.0% of monthly samples         (0)         0         [0%]         Naturally present in the environment           Fecal Coliform and E. coli <sup>(n)</sup> - 0 Positive Sample         (0)         0 - 0.04         0.01         Naturally present in the environment           Glardia lamblia         cyst/L         TT         (0)         0 - 0.04         0.01         Naturally present in the environment           INORGANICS         Fluoride (source water) <sup>(n)</sup> ppm         2.0         1         ND - 0.8         0.4 <sup>(n)</sup> Erosion of natural deposits; water additive to promote strong teeth           Chloramine (as chlorine)         ppm         MRDL = 4.0         MRDLG = 4         0.05 - 3.38         2.48 <sup>(n)</sup> Drinking water disinfectant added for treatment           CONSTITUENTS WITH SECONDARY STANDARDS         Unit         SMCL         PHG         Range         Average         Major Sources of Contaminant           Chloride         ppm         500         N/A         <3 - 11         6.7         Runoff / leaching from natural deposits           Specific Conductance         µS/cm         1600         N/A         34 - 217         135         Substances that form ions when in water           Sulfate         ppm         500         N/A         1.1 - 29         13	Total Organic Carbon (6)	ppm	π	N/A	1.2 - 2.2	1.8	Various natural and man-made sources			
Fecal Coliform and E. coli (10)  - 0 Positive Sample (0)  0 0 [0] Human or animal fecal waste  Giardia lamblia cyst/L TT (0) 0 - 0.04 0.01 Naturally present in the environment  INORGANICS  Fluoride (source water) (10)  ppm MRDL = 4.0 MRDLG = 4 0.05 - 3.38 2.48 (10)  Chloramine (as chlorine)  ppm MRDL = 4.0 MRDLG = 4 0.05 - 3.38 2.48 (10)  Chloramine (as chlorine)  ppm MRDL = 4.0 MRDLG = 4 0.05 - 3.38 2.48 (10)  Chloramine (as chlorine)  ppm MRDL = 4.0 MRDLG = 4 0.05 - 3.38 2.48 (10)  PHG Range Average Major Sources of Contaminant  Chloride  ppm 500 N/A 43 - 11 6.7 Runoff / leaching from natural deposits  Specific Conductance µS/cm 1600 N/A 34 - 217 135 Substances that form ions when in water  Sulfate ppm 500 N/A 1.1 - 29 13 Runoff / leaching from natural deposits  Total Dissolved Solids ppm 1000 N/A 420 - 96 52 Runoff / leaching from natural deposits  Turbidity NTU 5 N/A ND - 0.2 ND Soil runoff  LEAD AND COPPER Unit AL PHG Range Potth  PHG Range Potth  Percentile Major Sources in Drinking Water  (Najor Sources in Drinking Water Dlumbing systems)	MICROBIOLOGICAL									
Giardia lamblia cyst/L TT (0) 0 - 0.04 0.01 Naturally present in the environment  INORGANICS  Fluoride (source water) (9) ppm 2.0 1 ND - 0.8 0.4 (10) Erosion of natural deposits; water additive to promote strong teeth  Chloramine (as chlorine) ppm MRDL = 4.0 MRDLG = 4 0.05 - 3.38 2.48 (3) Drinking water disinfectant added for treatment  CONSTITUENTS WITH SECONDARY STANDARDS  Unit SMCL PHG Range Average Major Sources of Contaminant  Chloride ppm 500 N/A <3 - 11 6.7 Runoff / leaching from natural deposits  Specific Conductance µS/cm 1600 N/A 34 - 217 135 Substances that form ions when in water  Sulfate ppm 500 N/A 1.1 - 29 13 Runoff / leaching from natural deposits  Total Dissolved Solids ppm 1000 N/A <20 - 96 52 Runoff / leaching from natural deposits  Turbidity NTU 5 N/A ND - 0.2 ND Soil runoff  LEAD AND COPPER Unit AL PHG Range PHG Range Percentile Major Sources in Drinking Water  Copper ppb 1300 300 1.6 - 57.4 (11) 40 Internal corrosion of household water plumbing systems	Total Coliform (7)	-		(0)	0	[0%]	Naturally present in the environment			
INORGANICS         Fluoride (source water) (**)       ppm       2.0       1       ND - 0.8       0.4 (***)       Erosion of natural deposits; water additive to promote strong teeth         Chloramine (as chlorine)       ppm       MRDL = 4.0       MRDLG = 4       0.05 - 3.38       2.48 (***)       Drinking water disinfectant added for treatment         CONSTITUENTS WITH SECONDARY STANDARDS       Unit       SMCL       PHG       Range       Average       Major Sources of Contaminant         Chloride       ppm       500       N/A       <3 - 11       6.7       Runoff / leaching from natural deposits         Specific Conductance       μS/cm       1600       N/A       34 - 217       135       Substances that form ions when in water         Sulfate       ppm       500       N/A       1.1 - 29       13       Runoff / leaching from natural deposits         Total Dissolved Solids       ppm       1000       N/A       ND - 0.2       ND       Soil runoff         LEAD AND COPPER       Unit       AL       PHG       Range       90th Percentile       Major Sources in Drinking Water         Copper       ppb       1300       300       1.6 - 57.4 (***)       40       Internal corrosion of household water plumbing systems	Fecal Coliform and <i>E. coli</i> (8)	-	0 Positive Sample	(0)	0	[0]	Human or animal fecal waste			
Fluoride (source water) (9)  ppm 2.0  1  ND - 0.8  0.4 (10)  Erosion of natural deposits; water additive to promote strong teeth  Chloramine (as chlorine)  ppm MRDL = 4.0  MRDLG = 4  0.05 - 3.38  2.48 (5)  Drinking water disinfectant added for treatment  CONSTITUENTS WITH SECONDARY STANDARDS  Unit SMCL PHG Range Average Major Sources of Contaminant  Chloride  ppm 500  N/A  34 - 217  135  Substances that form ions when in water  Sulfate  ppm 500  N/A  1.1 - 29  13  Runoff / leaching from natural deposits  Total Dissolved Solids  ppm 1000  N/A  20 - 96  52  Runoff / leaching from natural deposits  Turbidity  NTU 5  N/A  ND - 0.2  ND  Soil runoff  LEAD AND COPPER  Unit AL PHG Range Percentile Major Sources in Drinking Water  Internal corrosion of household water plumbing systems	Giardia lamblia	cyst/L	тт	(0)	0 - 0.04	0.01	Naturally present in the environment			
Chloramine (as chlorine)  ppm MRDL = 4.0 MRDLG = 4 0.05 - 3.38 2.48 (s) Drinking water disinfectant added for treatment  CONSTITUENTS WITH SECONDARY STANDARDS  Unit SMCL PHG Range Average Major Sources of Contaminant  Chloride ppm 500 N/A <3 - 11 6.7 Runoff / leaching from natural deposits  Specific Conductance µS/cm 1600 N/A 34 - 217 135 Substances that form ions when in water  Sulfate ppm 500 N/A 1.1 - 29 13 Runoff / leaching from natural deposits  Total Dissolved Solids ppm 1000 N/A <20 - 96 52 Runoff / leaching from natural deposits  Turbidity NTU 5 N/A ND - 0.2 ND Soil runoff  LEAD AND COPPER Unit AL PHG Range Percentile Major Sources in Drinking Water  Copper ppb 1300 300 1.6 - 57.4 (11) 40 Internal corrosion of household water plumbing systems	INORGANICS									
CONSTITUENTS WITH SECONDARY STANDARDS  Unit SMCL PHG Range Average Major Sources of Contaminant  Chloride ppm 500 N/A <3-11 6.7 Runoff / leaching from natural deposits  Specific Conductance μS/cm 1600 N/A 34-217 135 Substances that form ions when in water  Sulfate ppm 500 N/A 1.1-29 13 Runoff / leaching from natural deposits  Total Dissolved Solids ppm 1000 N/A <20-96 52 Runoff / leaching from natural deposits  Turbidity NTU 5 N/A ND-0.2 ND Soil runoff  LEAD AND COPPER Unit AL PHG Range 90th Percentile Major Sources in Drinking Water  Copper ppb 1300 300 1.6-57.4 (11) 40 Internal corrosion of household water plumbing systems	Fluoride (source water) (9)	ppm	2.0	1	ND - 0.8	0.4 (10)				
SECONDARY STANDARDS         Unit         SMCL         PHG         Range         Average         Major Sources of Contaminant           Chloride         ppm         500         N/A         <3 - 11	Chloramine (as chlorine)	ppm	MRDL = 4.0	MRDLG = 4	0.05 - 3.38	2.48 (5)	Drinking water disinfectant added for treatment			
Specific Conductance       μS/cm       1600       N/A       34 - 217       135       Substances that form ions when in water         Sulfate       ppm       500       N/A       1.1 - 29       13       Runoff / leaching from natural deposits         Total Dissolved Solids       ppm       1000       N/A       <20 - 96       52       Runoff / leaching from natural deposits         Turbidity       NTU       5       N/A       ND - 0.2       ND       Soil runoff         LEAD AND COPPER       Unit       AL       PHG       Range       Percentile       Major Sources in Drinking Water         Copper       ppb       1300       300       1.6 - 57.4 (11)       40       Internal corrosion of household water plumbing systems		Unit	SMCL	PHG	Range	Average	Major Sources of Contaminant			
Sulfate       ppm       500       N/A       1.1 - 29       13       Runoff / leaching from natural deposits         Total Dissolved Solids       ppm       1000       N/A       <20 - 96       52       Runoff / leaching from natural deposits         Turbidity       NTU       5       N/A       ND - 0.2       ND       Soil runoff         LEAD AND COPPER       Unit       AL       PHG       Range       90th Percentile       Major Sources in Drinking Water         Copper       ppb       1300       300       1.6 - 57.4 (11)       40       Internal corrosion of household water plumbing systems	Chloride	ppm	500	N/A	<3 - 11	6.7	Runoff / leaching from natural deposits			
Total Dissolved Solids ppm 1000 N/A <20 - 96 52 Runoff / leaching from natural deposits  Turbidity NTU 5 N/A ND - 0.2 ND Soil runoff  LEAD AND COPPER Unit AL PHG Range Percentile Major Sources in Drinking Water  Copper ppb 1300 300 1.6 - 57.4 (11) 40 Internal corrosion of household water plumbing systems	Specific Conductance	μS/cm	1600	N/A	34 - 217	135	Substances that form ions when in water			
Turbidity NTU 5 N/A ND - 0.2 ND Soil runoff  LEAD AND COPPER Unit AL PHG Range Percentile Major Sources in Drinking Water  Copper ppb 1300 300 1.6 - 57.4 (11) 40 Internal corrosion of household water plumbing systems	Sulfate	ppm	500	N/A	1.1 - 29	13	Runoff / leaching from natural deposits			
LEAD AND COPPER         Unit         AL         PHG         Range         Percentile         Major Sources in Drinking Water           Copper         ppb         1300         300         1.6 - 57.4 (11)         40         Internal corrosion of household water plumbing systems	Total Dissolved Solids	ppm	1000	N/A	<20 - 96	52	Runoff / leaching from natural deposits			
LEAD AND COPPER         Unit         AL         PHG         Range         Percentile         Major Sources in Drinking Water           Copper         ppb         1300         300         1.6 - 57.4 (11)         40         Internal corrosion of household water plumbing systems	Turbidity	NTU	5	N/A	ND - 0.2	ND	Soil runoff			
	LEAD AND COPPER	Unit	AL	PHG	Range		Major Sources in Drinking Water			
<b>Lead</b> ppb 15 0.2 0 - 2.4 <sup>(12)</sup> 1.3 Internal corrosion of household water plumbing systems	Copper	ppb	1300	300	1.6 - 57.4 (11)	40	Internal corrosion of household water plumbing systems			
	Lead	ppb	15	0.2	0 - 2.4 (12)	1.3	Internal corrosion of household water plumbing systems			

OTHER WATER QUALITY PARAMETERS	Unit	ORL	Range	Average
Alkalinity (as CaCO <sub>3</sub> )	ppm	N/A	4.5 - 79	37
Boron	ppb	1000 (NL)	ND - 123	ND
Calcium (as Ca)	ppm	N/A	3 - 17	9.5
Chlorate (13)	ppb	800 (NL)	28 - 420	162
Hardness (as CaCO <sub>3</sub> )	ppm	N/A	7.7 - 60	34
Magnesium	ppm	N/A	<0.2 - 5.5	2.9
pH	-	N/A	8.6 - 9.7	9.2
Phosphate (ortho)	ppm	N/A	<0.3 - 0.3	<0.3
Potassium	ppm	N/A	0.4 - 1.1	0.7
Silica	ppm	N/A	3 - 5.9	4.8
Sodium	ppm	N/A	3.1 - 17	12
Strontium	ppb	N/A	14 - 181	83

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			
	pCi/L	= picocurie per liter			
	ppb	= part per billion			
	ppm	= part per million			
	μS/cm	= microSiemens/centimeter			

#### Footnotes:

- All results met State and Federal drinking water health standards.
- These are monthly average turbidity values measured every 4 hours daily.
- (3) This is a TT requirement for filtration systems.
- (4) This is the highest locational running annual average value.
- (5) This is the highest running annual average value.
- (6) Total organic carbon is a precursor for disinfection byproduct formation. The TT requirement applies to the filtered water from the SVWTP only.
- (7) Systems collecting < 40 coliform samples monthly should report the highest number (not the percentage) of total coliform positive samples collected in any one month. This MCL was no longer in effect on July 1, 2021.
- (8) The MCL was changed to E. coli based starting on July 1, 2021 when the State Revised Total Coliform Rule became effective
- (9) The SWRCB recommended an optimal fluoride level of 0.7 ppm be maintained in the treated water. In 2021, the range

- and average of the fluoride levels were  $0.6~\rm ppm$   $0.9~\rm ppm$  and  $0.7~\rm ppm$ , respectively.
- (10) Natural fluoride in the Hetch Hetchy source was ND. Elevated fluoride levels in raw water at the SVWTP and HTWTP were attributed to the transfer of fluoridated Hetch Hetchy water into the local reservoirs.
- (11) The most recent Lead and Copper Rule monitoring was in 2019. Zero of 30 site samples collected at consumer taps had copper concentrations above the AL.
- (12) The most recent Lead and Copper Rule monitoring was in 2019. Zero of 30 site samples collected at consumer taps had lead concentrations above the AL.
- (13) The detected chlorate in the treated water is a degradation product of sodium hypochlorite used by the SFRWS for water disinfection.

Note: Data shown in the table on the left are based on Hetch Hetchy water and effluents from both SVWTP and HTWTP. Additional water quality data may be obtained by calling the City of Burlingame at 650-558-7670.

#### 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. The fluoride target level in the water is 0.7 milligram per liter (mg/L, or part per million, ppm), 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 if you have concerns about dental fluorosis. For additional information about fluoridation or oral health, visit the SWRCB website www.waterboards.ca.gov/drinking\_water/certlic/drinkingwater/Fluoridation.shtml, or the CDC website www.cdc.gov/fluoridation.

#### Special Health Needs

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 www.epa.gov/safewater.

#### 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. In 2021, our wholesaler conducted a second round of voluntary monitoring using a newer analytical method adopted by the USEPA for some other PFAS contaminants. No PFAS were detected above the SWRCB's Consumer Confidence Report Detection Levels in surface water and groundwater sources. For additional information about PFAS, you may visit the SWRCB website at www.waterboards.ca.gov/pfas, SFPUC website at www.sfpuc.org for their PFAS\_factsheet.pdf, and/or USEPA website at www.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 www.epa.gov/safewater.

Cryptosporidium is a parasitic microbe found in most surface water. SFRWS regularly tests for this waterborne pathogen and found it at very low levels in source water and treated water in 2021. 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.

#### State Revised Total Coliform Rule

This report reflects changes in drinking water regulatory requirements during 2021, in which the SWRCB adopted California version of the federal Revised Total Coliform Rule. The revised rule, effective on July 1, 2021, maintains the purpose to protect public health by ensuring the integrity of the drinking water distribution system and monitoring for the presence of microbials (i.e., total coliform and *E. coli* bacteria). Greater public health protection is anticipated, as the revised rule requires water systems that are vulnerable to microbial contamination to identify and fix problems. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment to determine if any sanitary defects exist. If found, these must be corrected by the water system.



#### **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 ITSFPA

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 and MRDLs 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.

PWSID#: The Public Water System Identification Number





Together with the SFRWS, we regularly collect and test water samples from reservoirs and designated sampling points throughout the system to ensure the water delivered to you meets or exceeds federal and State drinking water standards. In 2021, the SFRWS conducted more than 48,320 drinking water tests in the sources and the transmission system. This is in addition to the extensive treatment process control monitoring performed by SFRWS's certified operators and online instruments.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts 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 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.

## 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. There are no known lead service lines in our water distribution system. 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. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to remove lead from drinking water. Information about lead in drinking water, testing methods, and steps you can take to minimize exposure is available at www.epa.gov/safewater/lead.

As previously reported in 2018, we completed an inventory of lead user service lines (LUSL) in our system and there are no known pipelines and connectors between water mains and meters made of lead. Our policy is to remove and replace any LUSL promptly if it is discovered during pipeline repair and/or maintenance.

#### **Lead and Copper Tap Sampling Results**

We conducted the triennial Lead and Copper Rule (LCR) monitoring in 2019, and these tap sampling results are accessible at our website at **www.burlingame.org/waterquality.** The next round of LCR monitoring will be conducted in 2022.

# FOR MORE INFORMATION

If you would like additional information or if you have any questions concerning the City of Burlingame's testing data or water distribution system, please call the Public Works Corporation Yard at (650) 558-7670, or write to Public Works Corporation Yard, Attn: Water Quality Report, 1361 N. Carolan Avenue, Burlingame, CA 94010. You may also wish to visit www.burlingame.org/waterquality.

Decisions about our drinking water are made from time to time in public meetings. The City of Burlingame City Council meets twice a month on the first and third Monday at 7:00 p.m. in the Council Chambers at City Hall. The San Francisco Public Utilities Commission (SFPUC) meets twice a month on the second and fourth Tuesday at 1:30 p.m. Meetings are held at San Francisco City Hall, Room 400. Inquiries about these meetings can be made by calling the office of the Commission Secretary at (415) 554-3165 or visit their website at **www.sfpuc.org** 

# Do you want to learn more about drinking water regulations?

Visit the State Water Resources Control Board at **www.swrcb.ca.gov**, or the U.S. Environmental Protection Agency website at **www.epa.gov**.

#### **City of Burlingame**

Public Works Corporation Yard, (650) 558-7670 www.burlingame.org

#### **San Francisco Public Utilities Commission**

Water Quality Bureau, (650) 872-5950 Customer Service Bureau, (415) 551-3000

www.sfpuc.org

#### **State Water Resources Control Board**

District 17 - Santa Clara/San Mateo, (510) 620-3474 Home Treatment Device Certification Unit, (916) 327-1140

www.swrcb.ca.gov

**Safe Drinking Water Hotline** (800) 426-4791

www.epa.gov