

**Consumer Confidence Report  
Certification Form**  
*(to be submitted with a copy of the CCR)*

Water System Name: Snowshoe Springs Association

Water System Number: 05-10011

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 6/23/23 (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the Department of Public Health Services.

Certified by: Name: TROY MUMM

Signature:

Troy Mumm

Title:

Water Quality Manager

Phone Number:

(209) 405-9785

Date: 06/23/2023

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*Water systems are not required to report the following information, but may do so by checking all items that apply:*

☒ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: Posted on the association bulletin board

☐ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:

- ☐ Posting the CCR on the Internet at www.snowshoespringsassociation.com
- ☐ Mailing the CCR to postal patrons within the service area (attach zip codes used)
- ☐ Advertising the availability of the CCR in news media (attach copy of press release)
- ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
- ☐ Posted the CCR in public places (attach a list of locations)
- ☐ Delivery of multiple copies of CCR to single bill addresses serving several persons, such as apartments, businesses, and schools
- ☐ Delivery to community organizations (attach a list of organizations)

☐ For systems serving at least 100,000 persons: Posted CCR on a publicly accessible internet site at the following address: \_\_\_\_\_

☐ For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

## **SNOWSHOE SPRINGS**

### **2022 Consumer Confidence Report (CCR), Snowshoe Springs Supplement**

Snowshoe Springs Association (SSA) purchases treated water from the Calaveras County Water District (CCWD) for subsequent distribution to SSA property owners. CCWD conducts extensive testing of our water, the results of which are contained under the Ebbetts Pass heading in the CCWD CCR which accompanies this supplement. In addition to the testing by CCWD, SSA performs additional testing of the water to monitor the quality after it reaches our system and is exposed the tanks and distribution piping.

At the beginning of each month, SSA takes two water samples which are sent to Alpha Analytical Laboratories in Elk Grove. There, the samples are analyzed for the presence of Coliform bacteria (Total Coliform). If any is detected, the water is then tested for Fecal Coliform/E. Coli. For this year, as shown in Table 1, no Coliform has been detected. SSA also measures chlorine residual monthly. Chlorine disinfection is done by CCWD. A minimum residual of approximately .5 mg/L must be maintained in our system and the monthly average residual cannot exceed the Maximum Residual Disinfection Level (MRDL) of 4.0 mg/L. Typically the state standard for minimum chlorine residual in a system is 0.2 mg/L. Due to the fact that SSA is a smaller system and does not have any type of continuous chlorine analyzers, the state has required us to maintain a higher residual chlorine concentration. This has never been a problem since CCWD provides adequate chlorine residual to the system. During 2021, the system maintained an adequate chlorine residual for each sample.

The SSA distribution system is all plastic (except for some fittings in control locations). Therefore, any lead in the water is usually introduced by certain types of household plumbing. Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your house may be higher than at other houses in the sub-division as a result of materials used in your plumbing. If you are concerned about elevated lead levels in your water, you may wish to have your water tested, and flush your tap for 30 seconds to 2 minutes before using tap water. SSA has informational pamphlets about lead in drinking water, available on request. After our 2019 annual inspection from the Department of Drinking Water, the SSA was allowed to resume triennial lead and copper sampling. Lead and copper samples were collected from single family residences during the summer of 2021. The results of those samples are shown in Table 2.

In addition to the aforementioned testing, routine water quality tests are performed on the water entering the system as well as the middle of the SSA distribution system. These tests, otherwise referred to as "Water Quality Parameters" are shown in Table 3. The parameters sampled for in these tests help identify the nature of the water in our system to leach lead into your drinking water. The Langlier Index value is derived from an equation that evaluates water quality data. A negative Langlier Index value indicates that the water is corrosive. The more negative the value, the more corrosive the water is determined to be.

Table 4 shows the results of testing for certain disinfection by-products (DBP's). The DBP's that

are required to be analyzed for are HaloAcetic Acids (HAA5) and Total Tri-HaloMethane (TTHM). Disinfection by-products are formed when organic material comes into contact with chlorine. Chlorine is added to drinking water to disinfect it and provide an additional residual chlorine concentration to act as a protectant if a minor contamination was to enter the system. Samples for the DBP measurements are purposely taken at the bottom of Lower Hangtree. The reason for this is that DBP's increase the longer the organics in the water are in contact with chlorine which means that the best way to measure DBP's in the system, is to analyze the water at the furthest point in the system.

For questions about this report contact,  
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# Snowshoe Springs

Sample analysis data for 2022

**Table 1**  
**Monthly Chlorine Residual and Coliform Monitoring Results**

Date Sampled	Black Bart Cl2 mg/L	Indian Rock Cl2 mg/L	Monthly Cl2 mg/L (avg)	Total Number of Coliform Positives	Total Number of Fecal/E. Coli Positives
1/16/2022	1.50	0.50	1.00	0	0
2/6/2022	2.10	1.80	1.95	0	0
3/7/2022	1.08	1.05	1.07	0	0
4/7/2022	0.52	0.60	0.58	0	0
5/5/2022	1.52	0.82	1.17	0	0
6/6/2022	1.02	1.24	1.13	0	0
7/6/2022	0.96	0.42	0.69	0	0
8/3/2022	0.84	0.44	0.64	0	0
9/5/2022	0.64	0.46	0.55	0	0
10/4/2022	0.75	0.12	0.44	0	0
11/13/2022	0.87	0.45	0.66	0	0
12/8/2022	0.75	0.88	0.82	0	0

<b>Min</b>	0.52	0.12	<b>0.44</b>	<i>Must be greater than 0.50 mg/L</i>
<b>Max</b>	2.10	1.80	<b>1.95</b>	<i>Must be less than 4.0 mg/L</i>
<b>Avg</b>	1.05	0.73	<b>0.89</b>	

**Table 2**  
**Annual Lead and Copper Monitoring Results**

Sample Location/Address	Lead ug/L	Copper ug/L
3283 Black Bart, Lot 69	ND	ND
3671 Jug Handle	ND	130
2746 Hangtree Trail	5.4	160
2968 Hangtree	22	210
2662 Hangtree	ND	ND
2331 Hangtree	ND	67
2961 Indian Rock	ND	ND
2656 Jug Handle	ND	140
3673 Jug Handle	ND	ND
3636 Hangtree Trail	ND	ND
* 90th percentile values are to determine compliance	<b>5.4</b>	<b>160</b>

ND= non detectable level (<4.0 lead, <40 copper)

## Copper and Lead, 22 CCR §64672.3

Values referred to as MCLs for lead and copper are not actually MCLs; instead, they are called "Action Levels" under the lead and copper rule

The following table includes:

CDPH's maximum contaminant levels (MCLs) ug/L

CDPH's detection limits for purposes of reporting (DLRs) ug/L

[Public health goals \(PHGs\) from the Office of Environmental Health Hazard Assessment \(OEHHA\)](#)

	MCL	DLR	PHG	Date of PHG
Copper	1,300	50	300	2008
Lead	15	5	0.2	2009

# Snowshoe Springs

Sample analysis data for 2022

**Table 3**  
**Annual Water Quality Parameter Results**

**Sample Location: Source**

Date	Parameter	Test Name	Results	Units	% change from 2018
10/30/2022	Alk	Total Alkalinity	13	mg/L	8%
10/30/2022	Ca	Calcium, Titrimetric	3.4	mg/L	21%
10/30/2022	Corr	Corrosivity, Langelie	-3.50	LSI	25%
10/30/2022	Pbl	Lead by ICP/MS	ND	ug/L	-
10/30/2022	TDS	Total Dissolved Solids	21	mg/L	-84%
10/30/2022	TPOL	Total Phosphorous	160	mg/L	-
10/30/2022	pH	pH, Lab	6.71		-8%

**Sample Location: Indian Rock**

Date	Parameter	Test Name	Results	Units	% change from 2018
10/30/2022	Alk	Total Alkalinity	57	mg/L	375%
10/30/2022	Ca	Calcium, Titrimetric	3.5	mg/L	30%
10/30/2022	Corr	Corrosivity, Langelie	-2.92	LSI	3%
10/30/2022	Pbl	Lead by ICP/MS	ND	ug/L	-
10/30/2022	TDS	Total Dissolved Solids	25	mg/L	-69%
10/30/2022	TPOL	Total Phosphorous	160	mg/L	-
10/30/2022	pH	pH, Lab	6.65		-8%

**Table 4**  
**Annual Disinfection By-Products Results**  
**Location/Address Lot 360**

Parameter	MP 1	MP 2	MP 3	MP 4
	1/16/2022	6/6/2022	8/15/2022	10/30/2022
TTHM	44.00	53.00	61.00	67.00
HAA5	64.00	74.00	65.00	22.00

*MP = monitoring period*

*MCL = Maximum Contaminant Level (allowed by the state of California)*

*The MCL for THM's is 80 ug/L or ppb*

*The MCL for HAA5's is 60 ug/L or ppb*