

## 2022 Consumer Confidence Report

### Water System Information

Water System Name: **Capell Valley Estates**

Report Date: **6/19/2023**

Type of Water Source(s) in Use: **Treated Surface Water**

Name and General Location of Source(s): **Moskowite Reservoir – Privately owned reservoir located a short distance from Capell Valley Estates in the Berryessa Area of Napa County in the State of California.**

Drinking Water Source Assessment Information: The 1996 federal Safe Drinking Water Act amendments require each State to develop and implement a Source Water Assessment Program. Section 11672.60 of the California Health & Safety Code requires the Department of Health Services (DHS, the precursor to CDPH) to develop and implement a program to protect sources of drinking water, specifying that the program must include both a source water assessment program and a wellhead protection program. In response to both of these legal mandates, DHS developed the DWSAP Program. California's DWSAP Program addresses both groundwater and surface water sources. The groundwater portion of the DWSAP Program serves as the state's wellhead protection program. In developing the surface water components of the DWSAP Program, integrated the existing requirements for watershed sanitary surveys.

Time and Place of Regularly Scheduled Board Meetings for Public Participation: **Not Applicable**

For More Information, Contact: **Sherrie Johnston – (209)932-8747**

### About This Report

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 to December 31, 2022 and may include earlier monitoring data.

### Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse **Capell Valley Estates** a **(209)932-8747** para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 **Capell Valley Estates** 以获得中文的帮助: **(209)932-8747**.

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa **Capell Valley Estates** o tumawag sa **(209)932-8747** para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ **Capell Valley Estates** tại **(209)932-8747** để được hỗ trợ giúp bằng tiếng Việt.

Language in Hmong: Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau **Capell Valley Estates** ntawm **(209)932-8747** rau kev pab hauv lus Askiv.

## Terms Used in This Report

Term	Definition
Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
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 U.S. Environmental Protection Agency (U.S. EPA).
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 Standards (PDWS)	MCLs and MRDLs 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.
Secondary Drinking Water Standards (SDWS)	MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.
Treatment Technique (TT)	A required process intended to reduce the level of a contaminant in drinking water.
Variances and Exemptions	Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.
ND	Not detectable at testing limit.
ppm	parts per million or milligrams per liter (mg/L)
ppb	parts per billion or micrograms per liter (µg/L)
ppt	parts per trillion or nanograms per liter (ng/L)

Term	Definition
ppq	parts per quadrillion or picogram per liter (pg/L)
pCi/L	picocuries per liter (a measure of radiation)

## Sources of Drinking Water and Contaminants that May Be Present in Source Water

The sources of drinking water (both tap water 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.

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 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, that are byproducts 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.

## Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board 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.

## About Your Drinking Water Quality

### Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than

one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

**Table 1. Sampling Results Showing the Detection of Coliform Bacteria**

Complete if bacteria are detected.

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
<i>E. coli</i>	(In the year) 0	0	(a)	0	Human and animal fecal waste

(a) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

**Table 2. Sampling Results Showing the Detection of Lead and Copper**

Complete if lead or copper is detected in the last sample set.

Lead and Copper	Sample Date	No. of Samples Collected	90 <sup>th</sup> Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	7/11/2022	5	0	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	7/11/2022	5	0.142	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

**Table 3. Sampling Results for Sodium and Hardness**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	6/6/2022	14		None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	6/6/2022	120		None	None	Sum of polyvalent cations present in the

						water, generally magnesium and calcium, and are usually naturally occurring
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**Table 4. Detection of Contaminants with a Primary Drinking Water Standard**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Fluoride (mg/L)	6/6/2022	0.1		2	0.1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories

**Table 5. Detection of Contaminants with a Secondary Drinking Water Standard**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Bicarbonate Alkalinity (MG/L)	6/6/2022	111		--	--	Carbonate containing rocks which can come from natural erosion or carbonate, runoff from natural deposits
Calcium (MG/L)	6/6/2022	29		--	--	Naturally present
Chloride (MG/L)	6/6/2022	7.3		500	--	Runoff/leaching from natural deposits; seawater influence
Color (Units)	6/6/2022	26		15	---	Naturally-occurring organic materials
Iron (UG/L)	6/6/2022	150		300	100	Leaching from natural deposits; industrial wastes
Magnesium (MG/L)	6/6/2022	12		--	--	Naturally present
Manganese (UG/L)	6/6/2022	69		50	20	Leaching from natural deposits

Odor---Threshold (Ton)	6/6/2022	8		3	1	Naturally-occurring organic materials
PH	6/6/2022	7		--	--	
Specific Conductance (US)	6/6/2022	290		1600	--	Substances that form ions when in water; seawater influence
Sulfate (MG/L)	6/6/2022	23		500	.5	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids [TDS] (MG/L)	6/6/2022	180		1000	--	Runoff/leaching from natural deposits
Turbidity (NTU)	6/6/2022	5.4		5	1	Soil runoff

**Table 6. We monitor Quarterly for total trihalomethanes (TTHM) and haloacetic acids (HAA5) in our distribution system. These measurements tell us whether or not further treatment is needed to remove disinfection byproduct (DBP) precursor from the water supply. During the last 12 months of 2022, our distribution system monitoring reflects the results shown in the below table.**

TABLE 6 – DISINFECTANTS/DISINFECTION BYPRODUCT RULE REPORT – TTHM AND HAA5 MONITORING REPORT				
DATE	TEST	RESULT MG/L	RAA (LAST 4 QRT)	MCL VIOLATED?
2/4/2022	TTHM	.048	.048	NO
5/2/2022	TTHM	.082	.082	YES
8/15/22	TTHM	.073	.073	NO
11/1/22	TTHM	.099	.099	YES
DATE	TEST	RESULT MG/L	RAA (LAST 4 QRT)	MCL VIOLATED?
2/4/2022	HAA5	.088	.088	YES
5/23/2022	HAA5	.086	.086	YES
8/15/22	HAA5	.042	.042	NO
11/1/22	HAA5	.062	.062	YES
TABLE 7 – DISINFECTION BYPRODUCTS				
<b>TTHM'S (ppm)</b> <b>TOTAL TRIHALOMETHANES</b>	<b>0.080 MC/L</b>	Byproduct of drinking water disinfection	Some people who drink water containing TTHM'S in excess of the MC/L over many years may experience liver, kidney, or central nervous system problems, and make have an increased risk of getting cancer.	

HAA5 (ppm) HALOACETIC ACIDS	0.060 MC/L	Byproduct of drinking water disinfection	Some people who drink water containing HAA5 in excess of the MC/L over many years may have an increased risk of getting cancer.
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### Health Effects Language

TTHMs [Total Trihalomethanes] - Byproduct of drinking water disinfection. Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.

HAA5 [Sum of 5 Haloacetic Acids] - Byproduct of drinking water disinfection. Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

### Additional General Information on Drinking Water

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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

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

Lead-Specific Language: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Capell Valley Estates 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. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

State Revised Total Coliform Rule (RTCR): Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found.

## Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

**Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement**

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
None				

## For Systems Providing Surface Water as a Source of Drinking Water

**Table 8. Sampling Results Showing Treatment of Surface Water Sources**

Treatment Technique <sup>(a)</sup> (Type of approved filtration technology used)	Multimedia Filter, Clarifying Unit, & GAC
Turbidity Performance Standards <sup>(b)</sup> (that must be met through the water treatment process)	<p>Turbidity of the filtered water must:</p> <p>1 – Be less than or equal to 0.3 NTU in 95% of measurements in a month.</p> <p>2 – Not exceed 0.3 NTU for more than eight consecutive hours.</p> <p>3 – Not exceed 0.5 NTU at any time.</p>
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	100%
Highest single turbidity measurement during the year	0.3
Number of violations of any surface water treatment requirements	None

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

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.