2020 Consumer Confidence Report

Water System Name: CASA DULCE ESTATES Report Date: April 2021

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 - December 31, 2020.

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

Type of water source(s) in use: According to SWRCB records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Your water comes from 1 source(s): Well 02

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings are held at Casa Dulce Estates every 2nd Sunday of January and July. Time and date are announced in a mailing.

For more information about this report, or any questions relating to your drinking water, please call (805) 404-7765 and ask for Judith Cannon.

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically 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 (USEPA).

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 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 the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for the 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.

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

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 E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

ND: not detectable at testing limit

mg/L: milligrams per liter or parts per million (ppm)

ug/L: micrograms per liter or parts per billion (ppb)

pCi/L: picocuries per liter (a measure of radiation)

NTU: Nephelometric Turbidity Units

umhos/cm: micro mhos per centimeter

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 by-products if 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.

In order to ensure that tap water is safe to drink, the USEPA and the State Water Resource Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4 and 5 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 Water 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 MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (complete if lead or copper detected in last sample set)	**Sample Date**	**No. of Samples**	**90th percentile level detected**	**No. Sites Exceeding AL**	**AL**	**PHG**	**Typical Sources of Contaminant**
Copper (mg/L)	(2019)	5	0.07	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Sources of Contaminant**
Sodium (mg/L)	(2020)	56	n/a	none	none	Salt present in the water and is generally naturally occurring
Hardness (mg/L)	(2020)	235	n/a	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 3 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**MCL [MRDL]**	**PHG (MCLG) [MRDLG]**	**Typical Sources of Contaminant**
Arsenic (ug/L)	(2020)	2	n/a	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes

Fluoride (mg/L)	(2020)	0.2	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate as N (mg/L)	(2020)	1.1	n/a	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite as N (mg/L)	(2020)	1.1	n/a	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/L)	(2020)	ND	ND - 1.28	15	(0)	Erosion of natural deposits.

Table 4 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Sources of Contaminant
Chloride (mg/L)	(2020)	57	n/a	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2020)	717	n/a	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (mg/L)	(2020)	114	n/a	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (mg/L)	(2020)	450	n/a	1000	n/a	Runoff/leaching from natural deposits
Turbidity (NTU)	(2020)	0.1	n/a	5	n/a	Soil runoff

Table 5 - ADDITIONAL DETECTIONS

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Calcium (mg/L)	(2020)	58	n/a	n/a	n/a
Magnesium (mg/L)	(2020)	22	n/a	n/a	n/a
pH (units)	(2020)	7.4	n/a	n/a	n/a
Alkalinity (mg/L)	(2020)	130	n/a	n/a	n/a
Aggressiveness Index	(2020)	11.7	n/a	n/a	n/a
Langelier Index	(2020)	-0.2	n/a	n/a	n/a

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts if 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 USEPA'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. USEPA/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 for Community Water Systems: 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 the service lines and home plumbing. *Casa Dulce 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. 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 or at http://www.epa.gov/lead.

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Drinking Water Assessment Information

Assessment Information
A source water assessment was conducted for the WELL 02 of the CASA DULCE ESTATES water system in April, 2002.

Well 02 - is considered most vulnerable to the following activities not associated with any detected contaminants:
Septic systems - low density [<1/acre]
Injection wells/dry wells/ sumps

Discussion of Vulnerability
This water system draws from one well and the water delivered from this system is known to have elevated nitrate levels -
over half the MCL of 45 ppm. Los Angeles County Environmental Health currently oversees this system and conducts the required monitoring tests.

Acquiring Information
A copy of the complete assessment may be viewed at:
Los Angeles County Environmental Health
2525 Corporate Pl. Room 150
Monterey Park, CA 91754

You may request a summary of the assessment be sent to you by contacting:
Russ Johnson
Chief Environmental Health Specialist
(323) 881-4147
(323) 269-4327 (fax)

Casa Dulce Estates

Analytical Results By FGL - 2020

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		mg/L		1.3	.3			0.065	5
Carroll	SP 1907989-1	mg/L				2019-06-17	0.05		
Kaplan	SP 1907989-2	mg/L				2019-06-17	ND		
Rooke	SP 1907989-3	mg/L				2019-06-17	ND		
Tindall	SP 1907989-4	mg/L				2019-06-17	ND		
Zimmerman	SP 1907989-5	mg/L				2019-06-17	0.08		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		mg/L		none	none			56	56 - 56
Well 02	SP 2007659-1	mg/L				2020-06-10	56		
Hardness		mg/L		none	none			235	235 - 235
Well 02	SP 2007659-1	mg/L				2020-06-10	235		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ug/L		10	0.004			2	2 - 2
Well 02	SP 2007659-1	ug/L				2020-06-10	2		
Fluoride		mg/L		2	1			0.2	0.2 - 0.2
Well 02	SP 2007659-1	mg/L				2020-06-10	0.2		
Nitrate as N		mg/L		10	10			1.1	1.1 - 1.1
Well 02	SP 2007659-1	mg/L				2020-06-10	1.1		
Nitrate + Nitrite as N		mg/L		10	10			1.1	1.1 - 1.1
Well 02	SP 2007659-1	mg/L				2020-06-10	1.1		
Gross Alpha		pCi/L		15	(0)			ND	ND - 1.28
Well 02	SP 2015607-1	pCi/L				2020-11-11	ND		
Well 02	SP 2011232-1	pCi/L				2020-08-19	ND		
Well 02	SP 2006277-1	pCi/L				2020-05-13	1.28		
Well 02	SP 2002062-1	pCi/L				2020-02-12	ND		

SECONDARY DRINKING WATER STANDARDS (SDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		mg/L		500	n/a			57	57 - 57
Well 02	SP 2007659-1	mg/L				2020-06-10	57		
Specific Conductance		umhos/cm		1600	n/a			717	717 - 717
Well 02	SP 2007659-1	umhos/cm				2020-06-10	717		
Sulfate		mg/L		500	n/a			114	114 - 114
Well 02	SP 2007659-1	mg/L				2020-06-10	114		
Total Dissolved Solids		mg/L		1000	n/a			450	450 - 450
Well 02	SP 2007659-1	mg/L				2020-06-10	450		
Turbidity		NTU		5	n/a			0.1	0.1 - 0.1
Well 02	SP 2007659-1	NTU				2020-06-10	0.1		

ADDITIONAL DETECTIONS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Calcium		mg/L			n/a			58	58 - 58
Well 02	SP 2007659-1	mg/L				2020-06-10	58		
Magnesium		mg/L			n/a			22	22 - 22
Well 02	SP 2007659-1	mg/L				2020-06-10	22		

pH		units			n/a			7.4	7.4 - 7.4
Well 02	SP 2007659-1	units				2020-06-10	7.4		
Alkalinity		mg/L			n/a			130	130 - 130
Well 02	SP 2007659-1	mg/L				2020-06-10	130		
Aggressiveness Index					n/a			11.7	11.7 - 11.7
Well 02	SP 2007659-1					2020-06-10	11.7		
Langelier Index					n/a			-0.2	-0.2 - -0.2
Well 02	SP 2007659-1					2020-06-10	-0.2		

Casa Dulce Estates

CCR Login Linkage - 2020

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
CuPb-ss01	SP 1907989-1	2019-06-17	Metals, Total	Carroll	Copper & Lead Monitoring
CuPb-ss02	SP 1907989-2	2019-06-17	Metals, Total	Kaplan	Copper & Lead Monitoring
CuPb-ss03	SP 1907989-3	2019-06-17	Metals, Total	Rooke	Copper & Lead Monitoring
CuPb-ss04	SP 1907989-4	2019-06-17	Metals, Total	Tindall	Copper & Lead Monitoring
WELL 02	SP 1415108-1	2014-12-30	EPA 524.2	Well 02	CASA DULCE ESTATES
	SP 1415108-1	2014-12-30	Metals, Total	Well 02	CASA DULCE ESTATES
	SP 2002062-1	2020-02-12	Radio Chemistry	Well 02	Radiological Gross Alpha Monitoring
	SP 2006277-1	2020-05-13	Radio Chemistry	Well 02	Radiological Gross Alpha Monitoring
	SP 2007659-1	2020-06-10	Wet Chemistry	Well 02	Water Quality Monitoring
	SP 2007659-1	2020-06-10	General Mineral	Well 02	Water Quality Monitoring
	SP 2007659-1	2020-06-10	Metals, Total	Well 02	Water Quality Monitoring
	SP 2011232-1	2020-08-19	Radio Chemistry	Well 02	Radiological Gross Alpha Monitoring
	SP 2015607-1	2020-11-11	Radio Chemistry	Well 02	Radiological Gross Alpha Monitoring
CuPb-ss05	SP 1907989-5	2019-06-17	Metals, Total	Zimmerman	Copper & Lead Monitoring
	SP 0708658-1	2007-08-02	EPA 524.2	Zimmerman House	
Bacti-Rout-ss01	SP 2000317-1	2020-01-08	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2002063-1	2020-02-12	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2003421-1	2020-03-11	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2004693-1	2020-04-08	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2006275-1	2020-05-13	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2007658-1	2020-06-10	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2008915-1	2020-07-08	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2010811-1	2020-08-12	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2012231-1	2020-09-09	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2014189-1	2020-10-14	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2015608-1	2020-11-11	Coliform	Zimmerman House	Bacteriological Water System Monitoring
	SP 2017422-1	2020-12-16	Coliform	Zimmerman House	Bacteriological Water System Monitoring