

# 2020 ANNUAL WATER QUALITY REPORT

PWS ID # 0710009

*Este informe contiene informacion muy importante sobre su agua potable.  
Tradúzcalo ó hable con alguien que lo entienda bien.*

## A MESSAGE TO OUR VALUED CUSTOMERS

Thank you for taking the time to read our 2020 Annual Water Quality Report. This report covers all testing performed between January 1 and December 31, 2020 and summarizes the quality of your water. The Town of Discovery Bay Community Services District (CSD) continues to comply with or surpass federal and state standards for safe drinking water. This report includes details about water sources, what the water from your tap contains, and how it compares to standards set by regulatory agencies. We hope you find this report useful in illustrating the high quality of your water service. You can be confident your tap water is among the best in the country.

## Sources of Supply

**Where does my water come from?**  
The Town of Discovery Bay CSD obtains its water from six groundwater wells in the community. The groundwater flows through two water treatment facilities that remove iron and manganese. The average depth of our wells is approximately 400 feet.

*Presented By:*



**Published 07/01/2021**  
PLATINUM LEVEL

# HOW TO READ THE TABLES IN THIS REPORT

The Water Quality Report, also called the Consumer Confidence Report, lets you know what substances, if any, are in your drinking water and how these constituents may affect your health. It lists all the regulated substances that were detected.

Although the average readings on all the substances listed within these tables are under the maximum contaminant level (MCL), we feel it is important that our water consumers know exactly what was detected and how much of the substance was present in the water. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk.

The state recommends monitoring for certain substances less than once per year because the concentrations of the substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

**FOR MORE INFORMATION ABOUT THIS REPORT, OR ANY QUESTIONS  
RELATING TO YOUR DRINKING WATER,  
PLEASE CONTACT THE TOWN OF DISCOVERY BAY WATER & WASTEWATER  
MANAGER AT (925) 634-1131 OR VISIT OUR WEBSITE AT [WWW.TODB.CA.GOV](http://WWW.TODB.CA.GOV)**

## DEFINITIONS

**90<sup>th</sup> Percentile:** The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

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

**DLR:** Detection Limit for purposes of Reporting. Detections above this level must be reported.

**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).

**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.

**NA:** Not applicable.

**ND:** Not detected. Constituent was not detected at the reporting level.

**NS:** No standard. Officials have not developed a Public Health Goal or MCLG standard.

**NTU:** Nephelometric Turbidity Units

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

**ppb:** parts per billion (or micrograms per liter). One ppb is equal to 1 teaspoon in 1.3 million gallons.

**ppm:** parts per million (or milligrams per liter). One ppm is equal to 1 teaspoon in 1,300 gallons.

**SMCL:** Secondary Maximum Contaminant Levels are set to protect the odor, taste, and appearance of drinking water.

**TON:** Threshold Odor Number, a measure of odor in water.

# REGULATED SUBSTANCES

Substance (unit of measure)	Year Sampled	MCL [MRDL]	PHG (MCLG) [MRDLG]	Amount Detected	Range Low-High	Violation	Typical Source
<b>Arsenic</b> (ppb)	2018	10	0.004	3	ND - 5	No	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
<b>Barium</b> (ppm)	2018	1	2	ND	ND - 0.30	No	Erosion of natural deposits; discharges of oil drilling wastes and from metal refineries
<b>Chlorine</b> (ppm)	2019	4	4	0.49	0.38 - 0.61	No	By-product of drinking water disinfection
<b>Fluoride</b> (ppm)	2018	2	1	0.3	0.2 - 0.4	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
<b>Gross Alpha Particle Activity</b> (pCi/L)	2020	15	0	3.021	ND - 6.66	No	Erosion of natural deposits
<b>Haloacetic Acids</b> (ppb)	2020	60	NA	16.33	9 - 24	No	By-product of drinking water disinfection
<b>Selenium</b> (ppb)	2018	50	30	ND	ND - 8	No	Erosion of natural deposits; discharge from petroleum, glass, and metal refineries; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
<b>Total Trihalomethanes (TTHMs)</b> (ppb)	2020	80 <sup>1</sup>	NA	68	44 - 135	No	By-product of drinking water disinfection

Substance (unit of measure)	Year Sampled	AL	PHG (MCLG)	Amount Detected (90 <sup>th</sup> Percentile)	Sites Above AL / Total Sites	Violation	Typical Source
<b>Copper</b> (ppm)	2018	1.3	0.3	0.34	0 / 40	No	Erosion of natural deposits; internal corrosion of household water plumbing systems; leaching from wood preservatives
<b>Lead</b> (ppb)	2018	15	0.2	3.8	0 / 40	No	Erosion of natural deposits; internal corrosion of household water plumbing systems

<sup>1</sup> Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system and may have an increased risk of getting cancer.

# SECONDARY SUBSTANCES

SUBSTANCE (unit of measure)	Year Sampled	SMCL	PHG (MCLG)	Average Level Detected	Range Low-High	Violation	Typical Source
Chloride (ppm)	2018	500	NS	189	86 - 594	No	Runoff/leaching from natural deposits; seawater influence
Color (Units)	2018	15	NS	3	ND - 10	No	Naturally-occurring organic materials
Iron (ppb)	2018	300	NS	ND	ND - 140	No	Leaching from natural deposits; industrial wastes
Manganese (ppb)	2018	50	NS	205	100 - 560	No	Leaching from natural deposits
Odor Threshold (TON)	2018	3	NS	ND	ND - 1	No	Naturally-occurring organic materials
Specific Conductance (µmhos/cm)	2018	1600	NS	1301	937 - 2660	No	Substances that form ions when in water; seawater influence
Sulfate (ppm)	2018	500	NS	79.5	40.8 - 108	No	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	2018	1000	NS	745	540 - 1470	No	Runoff/leaching from natural deposits
Turbidity (NTU)	2018	5	NS	0.3	0.1 - 0.5	No	Soil runoff

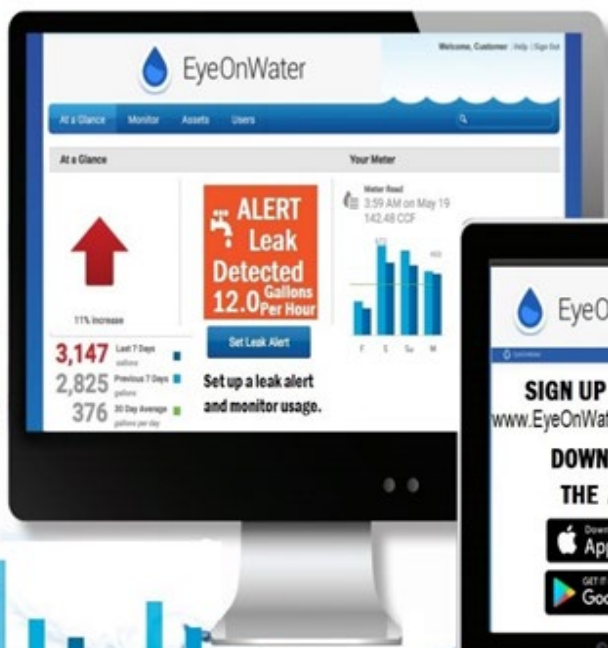
# UNREGULATED AND OTHER SUBSTANCES <sup>2</sup>

SUBSTANCE (unit of measure)	Year Sampled	AMOUNT DETECTED	Range Low-High	Typical Source
Aggressiveness Index	2018	12.5	12.2 - 12.6	NA
Alkalinity (ppm)	2018	295	250 - 350	NA
Bromide (ppb)	2020	378	230 - 790	NA
Calcium (ppm)	2018	47	29 - 75	NA
HAA9 (ppb)	2020	22.87	20.11 - 27.76	NA
Hardness, Total [as CaCO <sub>3</sub> ] (ppm)	2018	214	130 - 356	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring
Langelier Index (Units)	2018	0.6	0.4 - 0.7	NA
Magnesium (ppm)	2018	24	14 - 41	NA
pH (units)	2018	8	7.8 - 8.2	NA
Sodium (ppm)	2018	208	126 - 442	NA

<sup>2</sup> Unregulated contaminant monitorings helps U.S. EPA and the SWRCB determine where certain contaminants occur and whether the contaminants need to be regulated. Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.



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Enter account number from your water bill including dashes and periods. Review the account and verify it is in YOUR name. If it is not your account, contact TODB's Water Dept (925) 634-1131 to update your account information. We are here to help you set up your Eye On Water Account. ☺

## Getting Involved with the Community

The Town of Discovery Bay CSD Board of Directors' meets twice monthly on the first and third Wednesday of each month at 7:00 p.m. at the Community Center located at:

1601 Discovery Bay Boulevard in Discovery Bay

Members of the community are encouraged to attend.

### Board Members for 2020/2021

Bryon Gutow, President  
 Kevin Graves, Vice President  
 Ashley Porter, Director  
 Michael Callahan, Director  
 Carolyn Graham, Director



*Check Out Our Website*

[www.todb.ca.gov](http://www.todb.ca.gov)

*For Community News, Board Meeting Calendars, Agendas, & Minutes*

We participated in the fourth stage of the U.S. EPA's Unregulated Contaminant Monitoring Rule (UCMR4) program by performing additional tests on our drinking water. UCMR4 sampling benefits the environment and public health by providing the U.S. EPA with data on the occurrence of contaminants suspected to be in drinking water in order to determine if U.S. EPA needs to introduce new regulatory standards to improve drinking water quality. Unregulated contaminant monitoring data are available to the public, so please feel free to contact us if you are interested in obtaining that information. If you would like more information on the U.S. EPA's Unregulated Contaminant Monitoring Rule, please call the Safe Drinking Water Hotline at (800) 426-4791.

## Source Water – Vulnerability Assessment

**Vulnerability assessments are required for all new sources under the California Waterworks Standards (Chapter 16 of Title 22, CA Code of Regulations)**

**There have been no contaminants detected in the water supply to date; however, the source is still considered vulnerable to potentially contaminating activities due to proximity.**

GROUND WATER WELL #	POSSIBLE CONTAMINATING ACTIVITIES (PCA) DUE TO PROXIMITY	ASSOCIATED CONTAMINANTS DETECTED?	PHYSICAL BARRIER EFFECTIVENESS
1B	Automobile-gas station, dry cleaners	No	High
2	Automobile-gas stations, historic gas stations, known contaminant plumes, unauthorized dumping, and photo processing/printing waste	No	High
4A	Automobile-gas stations, unauthorized dumping, and agricultural drainage	No	High
5A	A source assessment is not available	NA	NA
6	Known contaminant plumes, dry cleaners, and unauthorized dumping	No	High

## OBTAINING INFORMATION

You may request a summary of the assessment by contacting CA State Water Resources Control Board, Division of Drinking Water, 850 Marina Bay Parkway, Bldg. P-2, Richmond, CA 94804.

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