

2020 Consumer Confidence Report

Water System Name: **Konocti County Water District**

Report Date: 7/14/2021

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 to December 31, 2020 and may include earlier monitoring data.

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Konocti County Water District a 15844 35th ave. Clearlake Ca 95422, 707-994-2561. para asistirlo en español.

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

Name and General Location of Source(s): **Clearlake Intake, Clearlake CA.**

Drinking Water Source Assessment Information: **An assessment of the drinking water source for Konocti County Water District was completed in December 2017. The source is considered most vulnerable to these activities: Septic system areas. You may obtain a complete copy of the assessment by contacting the district office at: 15844 35th ave. Clearlake Ca, 95422.**

Time and Place of Regularly Scheduled Board Meetings for Public Participation: **1:00pm the third Wednesday of the month at 15844 35th ave. Clearlake CA. 95422**

For More Information, Contact: **Frank Costner General Manager Phone (707) 994-2561**

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.

Term	Definition
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)
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 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 Lead and Copper

Lead and Copper	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb)	6/14/19-6/27-19	20	0	0	15	0.2	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	6/14/19-6/27/19	20	0.33	0	1.3	0.3	Not applicable	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	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	8/5/2020	21		None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	8/5/2020	147		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	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
TTHMs (ug/L)	2020 Quarterly	32.94	16.2 – 50.2	80		By-product of drinking water chlorination
Halo acetic Acids (ug/L)	2020 Quarterly	20.31	12.3 – 32.0	60		By-product of drinking water chlorination
Control of DBP precursors (TOC) (ppm)	2020 Monthly	2.1	1.6 – 2.7	TT		Various natural and man-made sources
Chlorine (ppm)	2020 Weekly	1.0	0.18 – 1.73	[MRDL=4.0] (as Cl ₂)	[MRDLG=4.0] (as Cl ₂)	Drinking water disinfectant added for treatment
Fluoride (ppm)	08/05/2020	0.11		2		Erosion of natural deposits, water additive that promotes strong teeth, discharge from fertilizer and aluminum factories
Aluminum (ppm)	08/05/2020	0.050		1	0.6	Erosion of natural deposits, residue from some surface water treatment processes

Bromate (ppb)	2020 Quarterly	3.4	0-3.4	10	1	Byproduct of drinking water disinfection
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Table 4. 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
Total Dissolved Solids (TDS) (ppm)	08/05/2020	200		1000		Runoff / Leaching from natural deposits
Sulfate (ppm)	08/05/2020	5.4		500		Runoff / Leaching from natural deposits; industrial wastes
Chloride (ppm)	08/05/2020	24		500		Runoff / Leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	08/05/2020	370		1600		Substances that form ions when in water; seawater influence
Odor (T.O.N.)	2020 Quarterly	9	0-22	3		Naturally occurring organic materials

Table 5. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
Manganese (ug/L)	2020 Quarterly	6.2	0-6.2	500(ug/L)	Manganese exposures resulted in neurological effects. High levels of manganese in people have been shown to result in adverse effects to the nervous system.
HAA6Br (ug/L)	2020 Quarterly	10.22	7.42-14.93		Some people who drink water containing halo acetic acids in excess of the MCL over many years may have an increased risk of getting cancer.
HAA9 (ug/L)	2020 Quarterly	20.28	19.26-32.53		Some people who drink water containing halo acetic acids in excess of the MCL over many

					years may have an increased risk of getting cancer.
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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. [Enter Water System's Name] 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>.

Table 6. Sampling Results Showing Treatment of Surface Water Sources

Treatment Technique ^(a) (Type of approved filtration technology used)	Conventional Filtration
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to 0.3 NTU in 95% of measurements in a month. 2 – Not exceed 0.5 NTU for More Than Eight Consecutive hours 3 – Not exceed 1.0 NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	95.4%
Highest single turbidity measurement during the year	0.93
Number of violations of any surface water treatment requirements	0

(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.

ACCOUNT NO.	SERVICE DATES	DATE BILL MAILED
00007190	6/11 -	7/14/2021
METER READING		UNITS USED
PRIOR	PRESENT	
1826	1826	0

KONOCTI COUNTY
WATER DISTRICT
15844 35TH AVENUE
CLEARLAKE, CA 95422
(707) 994-2561

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
CLEARLAKE, CA
PERMIT #1

2020 Consumer Confidence
Report is available online at
Konoticountywaterdistrict.com

to avoid a
of service
tion:

DUE DATE	AFTER 10TH
8/5/2021	\$270.12
ACCOUNT NO.	00007190

Lower Lake, CA 95457-1872

RETAIN THIS STUB
FOR YOUR RECORDS

KONOCTI COUNTY
WATER DISTRICT
(707) 994-2561

DESCRIPTION	AMOUNT
BALANCE FORWARD	\$255.12
PAYMENTS	
WATER	\$0.00
BASE RATE	\$0.00
STAND BY	\$0.00
OTHER	\$0.00
TOTAL DUE ▶	\$255.12

LOCATION: 5835 SPRUCE AVE

PLEASE MAKE CHECKS PAYABLE TO:

KONOCTI COUNTY WATER DISTRICT

RETURN THIS PORTION WITH PAYMENT

AMOUNT
PAID

TOTAL DUE ▶ \$255.12



APPENDIX B: eCCR Certification Form (Suggested Format)


Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name:	Konocti County Water District
Water System Number:	CA1710006

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 7/14/2021 (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 State Water Resources Control Board, Division of Drinking Water (DDW).

Certified by:

Name: Tom Parks	Title: Lead Operator
Signature: 	Date: 7/15/2021
Phone number: 707-994-2561	blank

To summarize report delivery used and good-faith efforts taken, please complete this page by checking all items that apply and fill-in where appropriate:

- ☐ CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used).
- ☐ CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- ☒ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
 - ☒ Posting the CCR at the following URL: www.konocticountywaterdistrict.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-billed addresses serving several persons, such as apartments, businesses, and schools
- ☐ Delivery to community organizations (attach a list of organizations)
- ☐ Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
- ☐ Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
- ☐ Other (attach a list of other methods used)
- ☐ *For systems serving at least 100,000 persons:* Posted CCR on a publicly-accessible internet site at the following URL: www._____
- ☐ *For privately-owned utilities:* Delivered the CCR to the California Public Utilities Commission

Consumer Confidence Report Electronic Delivery Certification

Water systems utilizing electronic distribution methods for CCR delivery must complete this page by checking all items that apply and fill-in where appropriate.

- ☒ Water system mailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available website where it can be viewed (attach a copy of the mailed CCR notification). URL: www.konocticountywaterdistrict.com
- ☐ Water system emailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed (attach a copy of the emailed CCR notification). URL: www._____
- ☐ Water system emailed the CCR as an electronic file email attachment.
- ☐ Water system emailed the CCR text and tables inserted or embedded into the body of an email, not as an attachment (attach a copy of the emailed CCR).
- ☐ *Requires prior DDW review and approval.* Water system utilized other electronic delivery method that meets the direct delivery requirement.

Provide a brief description of the water system's electronic delivery procedures and include how the water system ensures delivery to customers unable to receive electronic delivery.

Multiple Copies Available at Cache Creek Apartments 16080 Dam rd. Clearlake Ca 95422
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Multiple Copies Available at district main office 15844 35 th avenue Clearlake Ca 95422
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