Bonny Doon Union Elementary School District Water Quality Report – 2020

Santa Cruz County Water System I.D. No. 4400751

Prepared on June 30, 2021

*** Este informe contiene informacion muy importante sobre su agua beber. Traduzcalo o hable con alguen que lo entienda bien. ***

The Bonny Doon Union Elementary School District has its own water system. It is classified as a "non-transient, non-community" water system. As such, we are required to provide this *Water Quality / Consumer Confidence Report* to you, the water user. In 2020, water from the system was tested for contaminants and compared to the EPA and State drinking water health standards.

> Source water supplied to and distributed in the system met all EPA and State drinking water standards.

This brochure reviews 2020's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

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 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 (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, person 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 that may be present in water are available from the Safe Drinking Water Hotline (800-426-4791).

Your water comes from an on-site water production well sunk approximately 300-feet into a fractured bedrock aquifer beneath the School. Water from the well is pumped into two storage tanks – a 10,000-gallon concrete tank and a 5,000-gallon polyethylene (plastic) tank – that supply potable water for domestic (drinking and hand washing) use at the school. Please see the notes below regarding drinking water. The well and storage tanks are located on the east side of campus, adjacent to Ice Cream Grade.

Sources of drinking water (both tap water and bottled water) include river, 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 before it is treated include:

*Microbial contaminants, such as viruses and bacteria that may come from sewage treatment plants, septic system, agricultural livestock operations, and wildlife.

*Inorganic contaminants, such as salts and metals, that can be naturally occurring or result from urban storm water 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 storm water runoff, and residential uses.

*Radioactive contaminants, that can be naturally occurring or be the result of oil and gas production and mining activities.

*Organic chemical contaminants, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agriculture application, and septic systems.

To ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board – Division of Drinking Water (DDW) prescribe regulations that limit the number of certain contaminants in water provided by public water systems. DDW regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

No contaminant exceedances were found in the School's water in 2020.

WATER QUALITY DATA

The following tables lists all the drinking water contaminants and compounds that the source well and distribution system were tested for. The presence of any compound in the water does not necessarily indicate that the water poses a health risk. The State requires monitoring for certain compounds less than once per year because the concentrations of these compounds are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

In the fall of 2018, we secured a Technical Assistance grant from the State Water Board/Proposition 1 funds for the design of water system infrastructure upgrades, including storage tank replacement, and equipment / distribution system upgrades. This work is on-going with a goal of completing the design by the fall of 2021.

The following tables summarizes the Source Well (W-3) and distribution system laboratory analytical results. Terms and abbreviations used in the table include:

- parts per million (ppm): a unit of measurement describing the concentration of a contaminant in water. It is equivalent to milligrams per liter (mg/L).
  - The metaphorical time equivalent of 1 ppm is 1 second in 11.5 days
- 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 (MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.
- Regulatory Action Level (AL): The concentration of a contaminant which, when exceeded, triggers treatment or other requirements that a water system must follow.

A complete list of terms is presented at the bottom of the table.

Please direct any questions about the potable water system to:

Mike Heffner (Bonny Doon School Superintendent/Principal) at 831.427.2300

or Craig Drizin (Certified Water Distribution Operator - Weber, Hayes and Associates) at 831.722.3580

Table 1 -- Summary of Source Well W-3 (-003) Analytical Results

Bonny Doon Union Elementary School District, Water System I.D. No. 4400751 (-003)

Analyte	Date Sampled	RESULT (ppm)	MCL (ppm)
PRIMARY INORGANICS			
Aluminum (Al)	4/8/14	ND	1 | 0.2 [2]
Antimony (Sb)	4/8/14	ND	0.006
Arsenic (As)	5/11/20	ND	0.01
Barium (Ba)	4/8/14	ND	1
Beryllium (Be)	4/8/14	ND	0.004
Boron (B)	4/8/14	ND	*CA-AL: 1
Cadmium (Cd)	4/8/14	ND	0.005
Chromium (Cr)	4/8/14	0.001	0.05
Cyanide (Cn)	4/8/14	ND	0.15
Fluoride (F)	4/8/14	ND	2.0
Lead (Pb)	4/8/14	ND	*AL: 0.015
Mercury (Hg)	11/12/14	ND	0.002
Nickel (Ni)	4/8/14	ND	0.1
Nitrate (as N)	5/26/21	1.3	10
	5/11/20	0.75	
Nitrite (as N)	5/11/20	ND	1
Nitrate-N + Nitrite-N	5/11/20	0.75	10
Selenium (Se)	4/8/14	ND	0.05
Silver (Ag)	4/8/14	ND	0.1 [2]
Thallium (Tl)	4/8/14	ND	0.002
GENERAL MINERAL			
pH value	12/10/19	6.7 pH units	6.5 - 8.5 [2]
Conductivity	12/10/19	300 µS/cm	1,600 µS/cm [2]
Bicarbonate Alkalinity (as HCO_3)	12/10/19	140	–
Carbonate Alkalinity (as CO_3)	12/10/19	ND	–
Calcium (Ca)	12/10/19	43	–
Chloride (Cl)	12/10/19	15	500 [2]
MBAS (Surfactants)	4/8/14	0.076	0.5 [2]
Magnesium (Mg)	12/10/19	4.4	–
Manganese (Mn)	12/10/19	ND	0.05 [2]
Potassium (K)	12/10/19	2.1	–
Sodium (Na)	12/10/19	14	–
Sulfate (SO_4)	12/10/19	24	500 [2]
Iron (Fe) - total	12/10/19	ND	0.3 [2]
Total Alkalinity (as $CaCO_3$)	12/10/19	110	–
Total Hardness (as $CaCO_3$)	12/10/19	130	–

Table 1 -- Summary of Source Well W-3 (-003) Analytical Results

Bonny Doon Union Elementary School District, Water System I.D. No. 4400751 (-003)

Analyte	Date Sampled	RESULT (ppm)	MCL (ppm)
Total Dissolved Solids	12/10/19	190	1,000 [2]
Copper (Cu)	4/8/14	ND	(AL: 1.3) 1.0 [2]
Zinc (Zn)	12/10/19	ND	5.0 [2]
GENERAL PHYSICAL			
Color (Co/Pt) (Units)	12/10/19	ND	15
Odor (Threshold Number)	12/10/19	ND	3 [2]
Turbidity (NTU)	12/10/19	ND	5 [2]
OTHER			
Hexavalent Chromium (Cr^{+6})	11/12/14	ND	0.01
Perchlorate	4/21/21	ND	0.006
Synthetic Organic Compounds	5/11/20	ND	varies
Volatile Organic Compounds**	3/20/18	All ND	Varies
		MTBE: ND [a]	MTBE: 0.013[a]
1,2,3 TCP	3/23/21	ND	0.000005[b]

All Data & MCLs QC'd on 5/25/21 by: S. Mixan (WHA)

NOTES:

Not all analytes are sampled every year. Most recent data is shown.

MCL = Maximum Contaminant Level. Primarily based on US Environmental Protection Agency (EPA) & California drinking water regulations

[2] = Secondary MCLs are set to protect the odor, taste, and appearance of drinking water and DO NOT affect health at that established level

ND = Not Detected at or above the laboratory's Reporting Limit

parts per million (ppm) = milligrams per liter (mg/L)

1,2,3- TCP = 1,2,3-Trichloropropane

pCi/L = picocuries per liter

a = MTBE results and MCL/Action Level shown due to its detection in Well W-2 (properly destroyed).

b = MCL for 1,2,3-TCP was adopted by the State Water Board DDW January 2018 requiring initial sampling.

*California (CA-NL) and/or EPA Action Levels (AL) are shown for analytes which do not have an MCL

** By EPA Method 8260B in 2014. By EPA Method 524.2 since. All compounds have not been detected (Non-Detect = ND). MCLs & PHGs are different for each compound. MCL/Action Level for MTBE shown due to its detection in Well W-2 (properly destroyed).

Source water for the Potable Water System is from well W-3 only from May 13, 2014 to present

Table 2: Summary of Distribution System Analytical Results

Bonny Doon Union Elementary School District, Water System I.D. No. 4400751 (-003)

Analyte	Date Sampled	RESULT (ppm)	MCL (ppm)
Bacteria			
Colliform	Jan - Dec 2020	Absent	---
E Coli	Jan - Dec 2020	Absent	---
Disinfection By-Products			
Total Trihalomethanes	7/7/20	ND	0.80
Total HAA	7/7/20	ND	0.60
Lead & Copper			
Lead	8/14/18	ND	AL: 0.015
Copper	8/14/18	0.15 to 0.78	AL: 1.3 | 1.0 [2]

All Data & MCLs QC'd on 6/17/21 by: S. Mixan (WHA)

NOTES:

ppm = parts per million; which is eqivalent to milligrams per liter (mg/L)

MCL = Maximum Contaminant Level. Primarily based on US Environmental Protection Agency (EPA) & California drinking water regulations

ND = Not Detected at or above the laboratory's Reporting Limit

[2] = Secondary MCLs are set to protect the odor, taste, and appearance of drinking water and DO NOT affect health at that level

AL = California (CA-NL) and/or EPA Action Levels (AL) are shown for analytes which do not have an MCL

ATTACHMENT 7

Consumer Confidence Report
Certification Form

(to be submitted with a copy of the CCR)

Water System Name: Bonny Doon Union Elementary School

Water System Number: CA-4400751

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 6/3/21 (*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 California Department of Public Health.

Certified by: Name: Heather Cortez

Signature: Heather Cortez

Title: Admin. Assistant

Phone Number: (831) 427-2300 Date: _____

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

☐ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: _____

_____

☐ "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._____
- ☐ 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) BD Preschool BD Winery Display cabinets on campus
- ☐ 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)
- ☐ 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 address: www._____

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

This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.

BATTLE MOUNTAIN NEWS

Issue 474, June 2021
Meggin Harmon, Editor
6690 Bonny Doon RD
Santa Cruz, CA 95060
(831) 425-1934

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BRIGADE EVENT UPDATE

After many discussions with our community members, it is apparent that there is enthusiastic support for an event to celebrate the heroes that stayed behind during the fire to save their neighborhoods. It should come as no surprise, however, that our fiercely independent Dooners all have their own ideas about what that event should be and where and when it should take place. Each area or neighborhood of Bonny Doon had its own unique experience during and after the fire. With that in mind, it seems that the best way to honor our heroes is for each neighborhood or group to create an event that works best for them.

Looking forward to hearing about your events,

Donna Zetterquist

BDVFR Auxiliary Coordinator

Life should not be a journey to the grave with the intention of arriving safely in an attractive and well-preserved body, but rather to skid in sideways, body thoroughly used up, totally worn out, screaming '" WOOHOO WHAT A RIDE!"

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THE LADIES OF BONNY DOON CLUB met in person last month for the first time in over a year! We really enjoyed getting together again and catching up after all we have been through over the past year. Our group meets at 1pm the fourth Thursday of most months at member's homes and is a good way to meet others and discover the different areas of Bonny Doon. For more information contact Lisa Schallop, schallop@me.com, 429-1869

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Save The Date! – The Bonny Doon Art, Wine and Brew Festival will be October 2nd!

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June BMN Deadline: June 24, 5 pm.
Ads are $25 for 10 lines or less, $50 for ½ page, and $100 for 1 page.
Please make checks payable to: **BONNY DOON COMMUNITY SERVICES**
Folding will be Tuesday, June 29th, 9 am. Please call if you can help.

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Bonny Doon Union Elementary School District

Engaging the mind, the heart, and the spirit

1492 PINE FLAT ROAD * SANTA CRUZ, CALIFORNIA 95060
Phone: 831-427-2300 * Fax: 831-427-2800
Website: www.bduesd.org
Superintendent/Principal: Mike Heffner * mheffner@bduesd.org
Assistant to the Superintendent: Heather Cortez * hcortez@bduesd.org

Superintendent/Principal's Message for June 2021

A HUGE Thanks and a Fond Farewell This Month go to:

- Cyndy Cote who has been my steadfast assistant
- First Grade Teacher, Rachel Maugeri
- Second Grade Teacher, Ola Mugnier, who'll be leaving the classroom to join our office staff

Thanks too to the community for cheering along the Car Graduation Parade

Thanks also to all those of you who came out to hoot, holler and help our 6th graders celebrate graduating. All students and staff have demonstrated remarkable resilience in the face of the extraordinary challenges of this year. It was wonderful that we are able to experience some sense of community, with the return to classes on campus five days of the week, before the end of the school year. And seeing the community come out to cheer along the route of the car graduation parade for our 6th Graders was truly like the icing on the cake

Community Building Initiative Next School Year

While the Car Graduation Parade took place, many other activities that would have also normally taken place at the end of the school year did not. We missed the opportunity to gather for the open house and art show, our spaghetti dinner, Spring Concert and other events to name just a few. But next year will hopefully be different.

At the start of the 2021-22 School year we'll be launching a School Culture and Climate Initiative to rebuild and reinforce community spirit within the school. Activities will include school assemblies, student reading buddies, and special events. Mrs. Summerrill will be leading this initiative with the full support of all faculty and staff. Our vibrant school community will be back in full swing next year and we know that school community spirit will flow out into the community and the unique spirit of our Bonny Doon community will flow back into the school. Till then.

Wishing everyone an amazing summer break.

The first day of school for the 2021-2022 school year is August 11th. Information on next year's school calendar can be found on the school website www.bduesd.org

Bonny Doon School Water System Information, 2020

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The school's water comes from an on-site well sunk approximately 300-feet into a fractured bedrock aquifer beneath the School. Water from this well is pumped to two storage tanks – a 10,000-gallon concrete tank and a 5,000-gallon polyethylene (plastic) tank – that supply potable water for domestic (drinking and hand washing) use at the school. The well and storage tanks are located on the east side of campus adjacent to Ice Cream Grade.

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- Pesticides and herbicides that may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Radioactive contaminants, that can be naturally occurring or be the result of oil and gas production and mining activities.
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To ensure that tap water is safe to drink, the USEPA and the State Water Resources Control Board – Division of Drinking Water (DDW) prescribe regulations that limit the number or amount of certain contaminants in water provided by public water systems, as well as in bottled water to provide the same protection for public health.

> Source water supplied to and distributed in the system met all EPA and State drinking water standards.

Laboratory water quality analyses indicated dissolved mineral and physical parameters (pH, turbidity, etc.) were within acceptable ranges.

In the fall of 2018, we secured a Technical Assistance grant from the State Water Board/Proposition 1 funds for the design of water system infrastructure improvements, including storage tank replacement and equipment / distribution system improvements. This work is on-going with a goal of completing the design by the fall of 2021.