APPENDIX F: Certification Form (Suggested Format)

Consumer Confidence Report
Certification Form
(to be submitted with a copy of the CCR)

(To certify electronic delivery of the CCR, use the certification form on the State Water Board's website at http://www.swrcb.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)

Water System Name:	Twain Harte Community Services District
Water System Number:	5510005

The water system named above hereby certifies that its Consumer Confidence Report was distributed on _____5/28/21_____ (*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 State Water Resources Control Board, Division of Drinking Water.

Certified by:	Name:	**Lewis Giambruno**	
	Signature:		
	Title:	**Operations Manager**	
	Phone Number:	(209) 586-4988	Date: **5/28/21**

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: CCR notification insert mailed out with bill. Hardcopies are available at district office._____

☒ "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.twainhartecsd.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)
- ☐ 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 investor-owned utilities*: Delivered the CCR to the California Public Utilities Commission

This form is provided as a convenience for use to meet the certification requirement of the California Code of Regulations, section 64483(c).

WATER QUALITY REPORT

Your Water Quality Tests (and Tastes) Great!

We are proud to report that Twain Harte CSD met or exceeded water quality standards in 2020. Every year, our staff takes hundreds of water samples to ensure that we deliver the highest quality water to our customers. Samples are tested and compared to water quality standards established for your health and safety by state and federal regulatory agencies. This report is provided each year to reassure our customers that our water is not only delicious, but also safe. The report shows testing results for the period of January 1, 2020 through December 31, 2020 and includes some testing data for constituents not required to be monitored annually.

TO VIEW YOUR 2020 WATER QUALITY REPORT, PLEASE VISIT:

https://www.twainhartecsd.com/files/dc11de981/2020+CCR+Report.pdf

Historically, we have mailed copies of this report, but using the electronic delivery method significantly reduces costs. If you would like a report mailed to you, please check the box below and return with your bill. You can also contact our office at (209) 586-3172.

☐ YES, PLEASE SEND A HARD COPY OF THE 2020 WATER QUALITY REPORT TO:

Address: _____

2020 WATER QUALITY REPORT – AVAILABLE NOW

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

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

Twain Harte
Community Services District
P.O. Box 649
Twain Harte, CA 95383

First Class Mail
U.S. Postage
Paid
Permit NO. 18
Twain Harte, CA

Twain Harte CSD Meets Water Quality Standards

We are proud to report that Twain Harte CSD met or exceeded water quality standards in 2020. Every year, our staff takes hundreds of water samples to ensure that we deliver the highest quality water to our customers. Samples are tested and compared to water quality standards established for your health and safety by state and federal regulatory agencies. This report is provided each year to reassure our customers that our water is not only delicious, but also safe. The report shows testing results for the period of January 1, 2020 through December 31, 2020 and includes some testing data for constituents not required to be monitored annually.

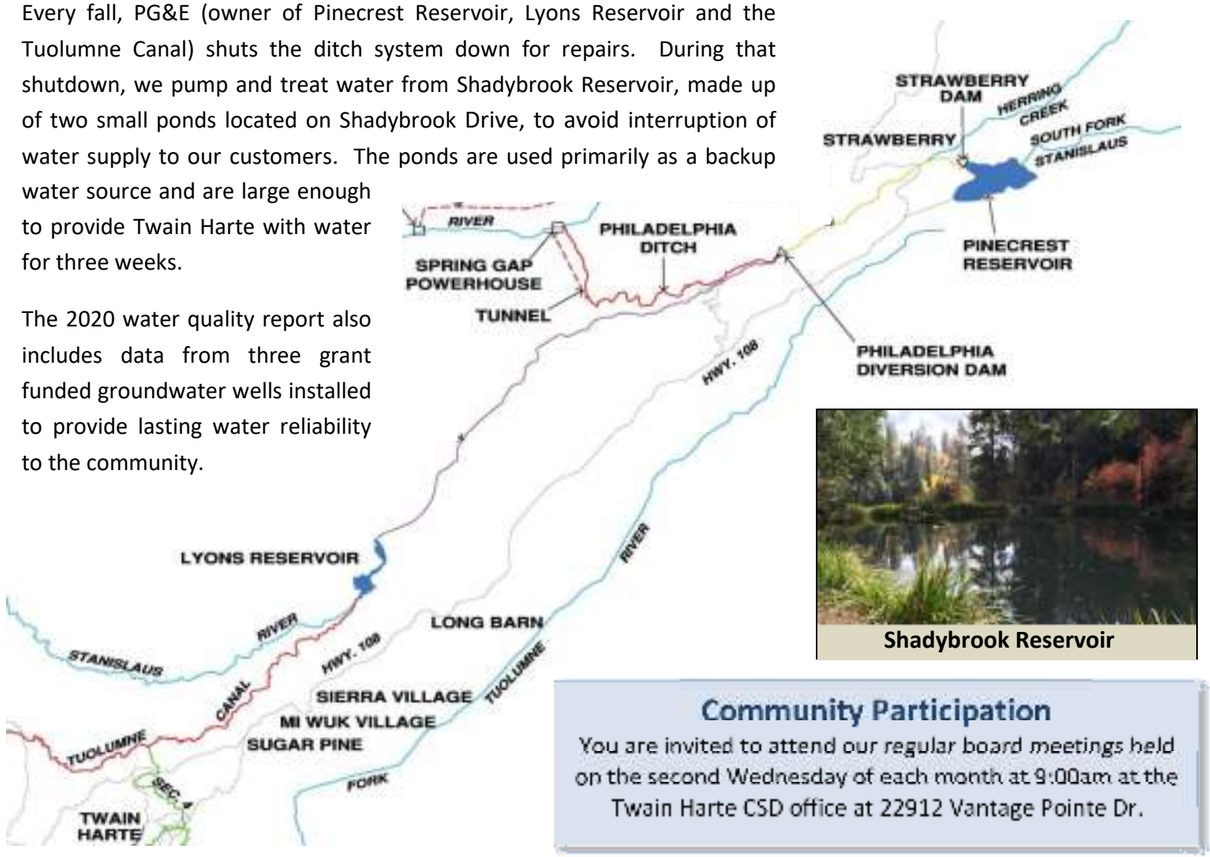
Where Does My Water Come From?

Assessing water quality begins with understanding the water's source. Our primary water source is surface water that starts as rain and snowfall high up in the Sierra Nevada Mountains. The rain and snowmelt flows into the South Fork of the Stanislaus River, makes its way into Pinecrest Reservoir and then continues its journey in the river down to Lyons Reservoir. From Lyons Reservoir, the water flows through a series of open-channel ditches developed by miners in the 1800's before it finally reaches our water treatment plant and is pushed through our distribution system to your home. Contact TUD for more source information at (209) 532-5536.


Section 4 Ditch (Twain Harte)

Every fall, PG&E (owner of Pinecrest Reservoir, Lyons Reservoir and the Tuolumne Canal) shuts the ditch system down for repairs. During that shutdown, we pump and treat water from Shadybrook Reservoir, made up of two small ponds located on Shadybrook Drive, to avoid interruption of water supply to our customers. The ponds are used primarily as a backup water source and are large enough to provide Twain Harte with water for three weeks.

The 2020 water quality report also includes data from three grant funded groundwater wells installed to provide lasting water reliability to the community.



Shadybrook Reservoir

Community Participation

You are invited to attend our regular board meetings held on the second Wednesday of each month at 9:00am at the Twain Harte CSD office at 22912 Vantage Pointe Dr.

PRIMARY DRINKING WATER STANDARD

Substance (Units)	Year Sampled (Ditch/Well #1/Well#2/Well#3))	MCL	PHG (MCLG)	Ditch Amount Detected	Well #1 Amount Detected	Well #1 Range Low-High	Well #2 Amount Detected	Well #2 Range Low-High	Well #3 Amount Detected	Well #3 Range Low-High	Violation	Typical Source
Barium (ppb)	2020/2020/2018/2018	1000	2000	ND	58.6	NA	ND	NA	82.5	ND-165	No	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium (Total) (ppb)	2020/2017/2018/2018	50	(100)	ND	ND	NA	11.1	NA	ND	NA	No	Discharge from steel and pulp mills and chrome plating; erosion of natur4al deposits
Dichloromethane (ppb)	2019/2017/2018/2018	5	4	ND	1.62	1.11-2.12	ND	NA	ND	NA	No	Discharge from pharmaceutical and chemical factories; insecticide
Fluoride (ppm)	2020/2020/2018/2018	2	1	ND	0.393	NA	ND	NA	ND	NA	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Gross Alpha (pCi/L)	2014-2015/2014-2015/2020/2018-2019	15	(0)	ND	ND	NA	9.71	1.14-17.2	3.99	1.01-5.89	No	Erosion of natural deposits
Nitrate (as nitrogen, N) (ppm)	2020/2020/2020/2020	10	10	ND	0.762	NA	0.5	NA	ND	NA	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Uranium (pCi/L)	NA/NA/2020/2018-2019	20	0.43	ND	ND	NA	5.42	1.42-10.6	0.755	0.288-1.3	No	Erosion of natural deposits

Treated Water Distribution System (Post-Treatment)

Substance (Units)	Year Sampled	MCL/ MRDL	PHG (MCLG) (MRDLG)	Well #1 Amount Detected	Well #1 Range Low-High	Well #2 Amount Detected	Well #2 Amount Detected	Well #2 Range Low-High	Well #3 Amount Detected	Violation	Typical Source
Chlorine (ppm)	2020	4.0 (as Cl_2)	4.0 (as Cl_2)	0.68	0.3-1.03	NA	NA	NA	NA	No	Drinking water disinfectant added for treatment
HAA5 (Haloacetic Acids) (ppb)	2020	60	NA	6.5	ND-12.9	NA	NA	NA	NA	No	Byproduct of drinking water disinfection
TTHM (Total Trihalomethanes) (ppb)	2020	80	NA	14.3	ND-19.1	NA	NA	NA	NA	No	Byproduct of drinking water disinfection
TOC (Total Organic Carbon) (ppm)	2020	TT	NA	1.4	1.2-1.7	NA	NA	NA	NA	No	Various natural and man-made sources
Turbidity (After Filtration for Ditch and Well 2) (NTU)	2020	0.3	NA	0.033	0.017-0.111	NA	0.024	0.011 – 0.088	NA	No	Soil runoff
Turbidity[1] (Lowest Percentage Meeting Requirements) (NTU)	2020	TT	NA	100%	NA	NA	NA	NA	NA	No	Soil runoff

Tap Water (Samples from 10 homes within the District)

Substance (Units)	Year Sampled	Action Level	PHG (MCLG)	Amount Detected	Homes Above Action Level	Violation	Typical Source
Copper (ppm)[2]	2018	1.3	0.3	0.188	0	No	Internal corrosion of household plumbing systems; erosion of natural deposit; leaching from wood preservatives
Lead (ppb)[2]	2018	15	0.2	ND	0	No	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

SECONDARY DRINKING WATER STANDARD

Substance (Units)	Year Sampled Ditch/Shadybrook/Well#1/Well#2/Well#3	SMCL (SDWS)	Ditch Amount Detected	Shadybrook Amount Detected	Well #1 Amount Detected	Well #2 Amount Detected	Well #3 Amount Detected	Violation	Typical Source
Chloride (ppm)	2020/2015/2020/2018/2018	500	0.343	3.23	6.23	1.56	1.67	No	Runoff/leaching from natural deposits; seawater influence
Color (Units)	2020/2015/2020/2018/2018	15	12	8	ND	ND	ND	No	Naturally occurring organic materials
Odor (Units)	2020/2015/2020/2018/2018	3	1.4	3	1	1	1	No	Naturally occurring organic materials
Sulfate (ppm)	2020/2015/2020/2018/2018	500	1.4	1.78	4.3	2.0	2	No	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance (umhos/cm)	2020/2015/2020/2018/2018	1600	21	76	212	303	303	No	Substances that form ions when in water; seawater influence
Total Dissolved Solids [TDS] (ppm)	2020/2015/2020/2018/2018	1000	17	44	130	170	170	No	Runoff/leaching from natural deposits
Zinc (ppm)	2020/2015/2020/2018/2018	5	ND	ND	ND	0.084	0.084	No	Runoff/leaching from natural deposits; industrial wastes

UNREGULATED AND OTHER SUBSTANCES

Substance (Units)	Year Sampled Ditch/Shadybrook/Well#1 Well#2/Well#3	Ditch Amount Detected	Ditch Range Low-High	Shadybrook Amount Detected	Shadybrook Range Low-High	Well #1 Amount Detected	Well #1 Range Low-High	Well #2 Amount Detected	Well #2 Range Low-High	Well #3 Amount Detected	Well #3 Range Low-High
Alkalinity (ppm)	2020/2015/2020/2018/2018	15.8	9.5-26	43	NA	97	94-112	143.2	78-156	165.3	151-206
Bicarbonate (ppm)	2020/2015/2020/2018/2018	79	NA	52	NA	95.8	NA	142	NA	133	NA
Calcium (ppm)	2020/2015/2020/2018/2018	1.83	NA	6.8	NA	19.6	NA	33.4	NA	17.2	NA
Hardness (ppm)	2020/2015/2020/2018/2018	ND	NA	17	NA	65.4	NA	110	NA	54	NA
Magnesium (ppm)	2020/2015/2020/2018/2018	ND	NA	ND	NA	3.99	NA	6.2	NA	2.7	NA
pH (Units)	2020/2020/2020/2020/2020	7.44	6.78-7.9	7.53	6.23-6.87	6.57	6.23-6.87	7.2	6.98-7.72	7.41	6.75-7.78
Potasium (ppm)	2020/2015/2020/2018/2018	ND	NA	ND	NA	1.16	NA	ND	NA	ND	NA
Sodium (ppm)	2020/2015/2020/2018/2018	1.74	NA	4.3	NA	14.2	NA	20.1	NA	37.8	NA

[1] Turbidity is a measure of the cloudiness of the water and is an indicator of the effectiveness of the filtration system.

[2] Copper and Lead was detected at two homes in an isolated pressure zone during non-routine corrosive potential checks of our well water in 2016 and 2017. The results are only representative of that pressure zone. A corrosion control chemical is now applied and subsequent results indicate below MCL copper and lead levels.

Definitions

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

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.

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

Variances and Exemptions: State Board permission 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)

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