

2021 ANNUAL WATER QUALITY REPORT

(Consumer Confidence Report)

Santa Ynez River Water Conservation District, Improvement District No.1

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Santa Ynez River Water Conservation District, Improvement District No.1 (District)

To All District Customers:

This Annual Water Quality Report (AWQR) provides a summary of the water quality results from sampling of the District's water supply wells, distribution system, and State Water Project supplies for the 2021 calendar year. As a public water purveyor to the communities of Santa Ynez, Los Olivos, Ballard, the Santa Ynez Band of Chumash Indians, and the City of Solvang (wholesale), the District operates under a permit issued by the State Water Resources Control Board, Division of Drinking Water (DDW) (formerly California Department of Public Health). Pursuant to its Water Supply Permit and California Safe Drinking Water regulations, the District routinely tests all of its water supplies obtained from wells according to a comprehensive list of potential contaminants and other constituents. State Water Project supplies are similarly tested by the Central Coast Water Authority (CCWA). The results of these sampling and monitoring efforts for the 2021 calendar year are included in this report, along with additional information regarding your water supplies. Analytical data presented in this report represent the quality of the water delivered daily to you through your water service connection.

District Water Sources Used in 2021:

1) Groundwater – 17 supply wells

In 2021, the District operated seven (7) of its wells to produce groundwater from the Santa Ynez Upland groundwater basin. The Upland basin encompasses approximately 130 square-miles within the Santa Ynez Valley east of Buellton. The District wells in the Upland basin range in depth from less than 500 feet to over 1,300 feet.

The District also operated ten (10) of its wells to produce groundwater from the subsurface alluvial portion of the lower Santa Ynez River. The River alluvium is separated from the Upland basin by a barrier of impermeable rocks and soils. The District's River wells are constructed to a depth of approximately 70 feet or less.

2) Surface Water – State Water Project

Surface water served by the District comes from the State Water Project. The District's entitlement from the Cachuma Project is exchanged for an equal amount of State Water under an exchange agreement with water agencies on the south coast of Santa Barbara County. In addition to the exchanged Cachuma water, the District also receives State Water directly by entitlement through CCWA. Surface water from the California Aqueduct is treated at the Polonio Pass Water Treatment Plant in San Luis Obispo County prior to entering the 143-mile-long pipeline in route to the District's Mesa Verde Pumping Plant in Santa Ynez.

Drinking Water Source Assessments

The 1996 Amendments to the Federal Safe Drinking Water Act established the Drinking Water Source Assessment and Protection (DWSAP) Program to assess all sources of drinking water for vulnerability to contamination and to establish source protection programs. The District has evaluated each of its well locations in accordance with the program guidelines. Possible contaminating activities (PCAs) in the Upland basin and the River alluvium include septic systems, agricultural drainage and the application of agricultural chemicals, other wells (active and abandoned), upstream contaminant sources, and surface runoff from roads. For the 2021 reporting period, the only contaminant associated with these PCAs detected in any of the wells was nitrate (reported as NO₃-N). Nitrate was detected in six (6) Upland wells and two (2) River wells, with detected concentrations ranging from 0.85 to 6.8 parts per million (ppm). Annual monitoring of all active supply wells is required to ensure that nitrate concentrations remain below the 10 ppm Maximum Contaminant Level (MCL). Should nitrate concentrations exceed one-half the MCL, more frequent (quarterly) monitoring would be required. All assessment information is maintained by the District.

TERMS USED IN THIS REPORT:

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 (see below) as is economically and technologically feasible. Secondary MCLs are set to make drinking water aesthetically pleasing (i.e., protect the taste, odor, and appearance of the water).

Primary Drinking Water Standards (PDWS): MCLs for contaminants that potentially affect health along with their monitoring, reporting, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of drinking water. Contaminants with SDWSs do not affect health at the established MCL.

Maximum Residual Disinfectant Level Goal (MRDLG):

The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency. **Maximum Residual Disinfectant Level (MRDL)**: The level of a disinfectant added for water treatment that may not be exceeded in drinking water delivered to the customer.

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 Office of Environmental Health and Hazard Assessment (OEHHA).

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).

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

Detection Limit for the Purposes of Reporting (DLRs): The minimum concentration a certified laboratory must detect for a given analytical parameter to comply with State regulations.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Potential Contaminants in Source Water

Federal regulation requires the following information to be included in this report. Because it is general information, it does not necessarily apply to the drinking water provided by the District. Information specific to your drinking water is found in the summary table on pages 3 and 4 below.

Generally, sources of tap water and bottled water include rivers, lakes, streams, ponds, reservoirs, springs, and groundwater supplies. 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 could be present in source water include the following:

- *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,* which 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, and septic
 systems.
- Radioactive contaminants, which can be naturally occurring, or be the result of oil and gas production or mining activities.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DDW regulations also establish limits for contaminants in bottled water that require the same level of protection for public health.

Analytical Results

The following summary table of analytical results lists the range and average concentrations of regulated contaminants (and other water quality constituents) that were detected during the most recently required sampling applicable to the 2021 reporting period for each source and constituent listed. The table also shows results of the District's required distribution system sampling. It is worth noting that chemicals not detected are not included in the report. Additionally, DDW sampling requirements allow for source monitoring of certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year. Therefore, some of the data listed in the table, though representative of the source water quality, are more than a year old.

Drinking Water Source

Parameter							Drinking Wa		
PRIMARY STANDARDS—Manidatory Health-Related Standards	_		State	PHG	State	Range	State	Ground	
Carbitrod Filter							Water	Water	Major Sources in Drinking Water
Combined Filter NTU	PRIMARY STANDAR	RDSMai	ndatory He	ealth-Relat	ted Stan	ıdards			
Combined Filter NTU	OL ADITY								
NTU		1	TT 4.N	ITI I access 4 I		I 5	0.04.044		T
NORGANIC CHEMICALS		NTU		,					Soil runoff
Authinium	Effluent Turbidity ^a		TT=95% o	f samples <0	.3 NTU	%	100%	NA	
Authinium	INODGANIC CHEMICALS								
Average Aver	NORGANIC CHEMICALS	1				Pange	ND - 0.086	ND	Posidue from water treatment process:
Authoric	Aluminum	ppm	1000	600	50				4
Average		+		-					
Barlum	Arsenic	ppb	10	0.004	2			L	•
Destroin Port Por				_					
Chromium Crata Lr) Ppb S0 Clu0 To Average ND Range ND ND - 0.31 Second to natural deposits ND - 0.32 Pub mills, and chrome plating wastes	Barium	ppm	1	2	0.1		ND	0.09	- · · · · · · · · · · · · · · · · · · ·
Fluoride	Chromium (Total Cr)	nnh	FO	(400)	10	Range	ND	ND - 21	Erosion of natural deposits; steel,
Nickel pph 100 12 10 Renge ND ND ND 12 10 Renge ND ND ND 13 Indicating the state ND ND ND ND ND ND ND N	Chromium (Total Cr)	ppb	50	(100)	10	Average	ND	3.2	pulp mills, and chrome plating wastes
Average ND 0.3 water additive for tooth health ND 12 10 Range ND ND 13 Endotries Range ND ND 13 Endotries Range ND ND 13 Endotries Range ND ND 14 Range ND ND 15 Range Range ND ND 15 Range Range ND ND 15 Range Range Range ND Range Rang	Fluoride	nnm	2	1	0.1	Range	ND	ND - 0.31	Erosion of natural deposits;
Nitrate (as Nitrogen)	Tuonae	рріп	2		0.1	Average	ND	0.3	water additive for tooth health
Average ND ND - 6.8 Runding and elacting from furtilizer use; leaching from structured elactions and severage encision of natural deposits industrial wastes with the severage encision of natural deposits industrial wastes industrial waster influence and fertilizer use; leaching from natural deposits; according to the property of the property industrial wastes industrial wastes industrial wastes industrial wastes industrial waster influence and excitation from natural deposits; according to the property industrial waster influence and property industrial waster influence and property industrial wastes industrial waste	Nickel	nnh	100	12	10	Range			Erosion of natural deposits; discharge from
Name	THOROT	PPO	100		10				
Selenium ppb 50 30 5 Range ND ND ND ND ND Selections and search of the selection of natural deposits and search of the s	Nitrate (as Nitrogen)	ppm	10	10	0.4				· · ·
RADIONUCLIDES Gross Alpha		- ''							
Part	Selenium	ppb	50	30	5				
Pocific Poci						Average	ND	4.3	septie tanks and sewage, crosion of natural deposits
Pocific Commission Pocific	RADIONUCLIDES								
Uranium	b	~C:/I	45	NIA	2	Range	ND	ND - 7.2	Francism of natural democita
SECONDARY STANDARDSAesthetic Standards	Gross Alpha	pCI/L	15	NA	3	Average	ND	2.7	Erosion of natural deposits
SECONDARY STANDARDS—Aesthetic Standards	C	0:#				Range	NC	1.6 - 5.6	
SECONDARY STANDARDSAesthetic Standards	Uranium	pCi/L	20	0.5	1		NC	3.5	Erosion of natural deposits
Aluminum	SECONDARY STAN	DABDS	Acathotic	Stondord			-		Į.
Average 0.061 ND Erosion of natural deposits Range 94 - 147 26 - 57 Runoff/leaching from natural deposits; Seawater influence Range ND ND 30 Naturally-occurring organic materials ND ND ND ND ND ND ND N	SECONDART STAN	DARDS-	Aesmenc	Stanuaru	•				
Average 1.6 Average ND ND - 1.0 Average ND ND - 1.0 Average ND ND -	Aluminum	nnh	200	NIA	F0	Range	ND - 0.086	ND	Residue from water treatment process;
Acut	Aluminum	ppb	200	INA	30	Average	0.061	ND	Erosion of natural deposits
Average 116 39 sewater influence 116 39 sewater influence ND ND 3 Naturally-occurring organic materials 12 12 12 12 12 12 30 Naturally-occurring organic materials 12 12 12 12 12 30 Naturally-occurring organic materials 12 12 12 12 12 30 Naturally-occurring organic materials 12 12 12 12 30 Naturally-occurring organic materials 12 12 12 12 30 Naturally-occurring organic materials Naturally-occ	Chloride	nnm	500	NA		Range			Runoff/leaching from natural deposits;
Corrosivity none corrosive NA - Average ND none corrosive NA - Range 12 12.1-12.7 Balance of hydrogen, carbon, & oxygen in Naturally-occurring organic materials 12.1-12.7 Balance of hydrogen, carbon, & oxygen in Naturally-occurring organic materials 12.1-12.7 Balance of hydrogen, carbon, & oxygen in Naturally-occurring organic materials 12.1-12.7 Balance of hydrogen, carbon, & oxygen in Naturally-occurring organic materials 12.1-12.7 Balance of hydrogen, carbon, & oxygen in Naturally-occurring organic materials Naturally		PP				-			seawater influence
Corrosivity Iron Ppb Range	Color	ACU	15	NA					Naturally-occurring organic materials
Aggresive Indexy A	Correctivity								Delenes of hydrogen corbon 9 courses in
Iron ppb 300 NA 100 Range ND ND 130 ND-140 Leaching from natural deposits; industrial wastes Odor Threshold TON 3 NA 1 Range ND-2 1-3 Naturally-occurring organic materials Specific pumbo/ cm 1600 NA Range 580 - 802 Average 644 895 when in water; seawater influence Sulfate ppm 500 NA 0.5 Range 84 163 industrial wastes Total Dissolved Solids (TDS) ppm 1000 NA Range 360 Average 360 Average 360 Runoff/leaching from natural deposits; industrial wastes Total Dissolved Solids (TDS) ppm 1000 NA Range 360 Average 360 Solide solids (TDS) Range ND -0.25 Average 0.06 ND -1.60 Solide rosion/runoff Turbidity (State Water) NTU 5 NA Range ND -0.25 Average ND 9 industrial wastes ADDITIONAL PARAMETERS (Unregulated) Alkalinity (Total) as CaCO ₃ equivalents ppm NA NA Range NC Average NC NC Average NC Average NC Average NC NC Average NC NC Average NC NC Average NC	•	none		NA		-			1
NA	(Aggresive Index)		corrosive						- '
Naturally-occurring organic materials Naturally-occurring organic materials	Iron	ppb	300	NA	100				.
National		- ''							industrial wastes
Specific pm ho/ cm 1600 NA Range 580 - 802 Average 644 895 when in water; seawater influence 895 when in	Odor Threshold	TON	3	NA	1				Naturally-occurring organic materials
NA	Chasifia	umbo/		-			-		Substances that form ions
Sulfate	•		1600	NA					
Solitate ppm NA Solitate ppm NA Solitate ppm ppm NA Solitate ppm ppm NA Solitate ppm ppm NA Solitate ppm p	Conductance	CIII							
Total Dissolved Solids (TDS)	Sulfate	ppm	500	NA	0.5				
Solids (TDS)	Total Dissolved			 		-			
Lab Turbidity (ID#1) Turbidity (State Water) NTU 5 NA Range ND - 0.25 Average 0.06 Average 0.06 ND - 1.60 0.50 ND - 1.00 ND - 1.00 Leaching from natural deposits; industrial wastes ADDITIONAL PARAMETERS (Unregulated) Alkalinity (Total) as CaCO ₃ equivalents Boron ppb NA NL=1,000 Calcium ppm NA NA NA Range NC Average NC ND - 16 Discharges from industrial manufacturers; er		ppm	1000	NA					Runoff/leaching from natural deposits;
Turbidity (State Water) Zinc ppb 5000 NA 50 Range ND Average ND ND - 100 Poblication from natural deposits; Industrial wastes ADDITIONAL PARAMETERS (Unregulated) Alkalinity (Total) as CaCO ₃ equivalents ppm NA NA NA NA NL=1,000 Turbidity (State Water) NA			_						0 "
ADDITIONAL PARAMETERS (Unregulated) Alkalinity (Total) as CaCO ₃ equivalents Boron Pyb NA NA NA NA NA NA NA NA NA N		NTU	5	NA					Soil erosion/runoff
ADDITIONAL PARAMETERS (Unregulated) Alkalinity (Total) as CaCO ₃ equivalents Boron	,		5000	N/A	5 2	-			Leaching from natural deposits:
Alkalinity (Total) as CaCO ₃ equivalents Ppm NA NA NA NA NA NA NA NA NA N	ZINC	ppb	5000	NA	50				1 '
Alkalinity (Total) as CaCO ₃ equivalents Ppm NA NA Range 62 - 92 Average 78 Range Range 78 Seron Ppb NA NL=1,000 100 Range NC Average NC Average NC Range NC Average NC Average NC Average NC Range 24 Average 24 ND - 16 Discharges from industrial manufacturers; er									
CaCO ₃ equivalents	ADDITIONAL PARAM	IETERS	(Unregulat	ted)					
CaCO ₃ equivalents Ppm NA NA Average 78 Boron ppb NA NL=1,000 100 Range NC Average NC NA NA Range 24 Average 24 Average 24 NA						Range	62 - 92	260 - 360	Runoff/leaching from natural deposits:
Boron ppb NA NL=1,000 100 Range NC 110 - 320 Runoff/leaching from natural deposits; wastewater, and fertilizers/pesticides. Calcium ppm NA NA NA Range 24 34 - 100 Runoff/leaching from natural deposits; wastewater, and fertilizers/pesticides. Average 24 71 seawater influence Chromium Havavalente ppb NA 0.02 1.0 Range 0.13 ND - 16 Discharges from industrial manufacturers; er	Alkalinity (Total) as	ppm	NA	NA					
Average NC Range 24 NA NA NA Range 24 Average 24 Average 24 Average 24 NA NA NA Range 24 Average 24 NO NA	, ,	1							
Calcium ppm NA NA - Range 24 34 - 100 Runoff/leaching from natural deposits; Average 24 71 seawater influence Chromium Heyavalent ppb NA 0.02 1.0 Range 0.13 ND - 16 Discharges from industrial manufacturers; er	CaCO ₃ equivalents		INΙΛ	NL=1,000	100			-	
Average 24 71 seawater influence Chromium Havavalent	CaCO ₃ equivalents	ppb	INA	1					
Chromium Heyavalent ppb NA 0.02 1.0 Range 0.13 ND - 16 Discharges from industrial manufacturers; er	CaCO ₃ equivalents Boron	1				Range	24		
Chromium Hevavalent DDD NA 0.02 1.0	CaCO ₃ equivalents Boron	1		NA					
Average 0.13 6.8 of natural deposits	CaCO ₃ equivalents Boron Calcium	ppm	NA			Average	24	71	

						Drinking Wa	ter Source	
		State	PHG	State	Range	State	Ground	
Parameter	Units	MCL	(MCLG)	DLR	Average	Water	Water	Major Sources in Drinking Water

ADDITIONAL PARAMETERS (Unregulated)

Geosmin	ng/L	NA	NA	(1)	Range	ND - 17	NC	An organic compound mainly produced by
Geosiiiii	TIG/L	IVA	INA	(1)	Average	3.8	NC	blue-green algae (cyanobacteria)
Hardness (Total) as	ppm	NA	NA		Range	98 - 162	290 - 510	Leaching from natural deposits
CaCO₃	ppiii	INA	INA		Average	123	405	Leaching nom natural deposits
Heterotrophic Plate	0511/1		NIA		Range	0 - 221	NA	Nietowalli, managat in the consideration
Count	CFU/mL	TT	NA		Average	3	NA	Naturally present in the environment
Magnesium	nnm	NA	NA		Range	16	42 - 100	Runoff/leaching from natural deposits;
Magnesium	ppm	INA	INA		Average	16	55	seawater influence
2-Methylisoborneol (MIB)	na/l	NA	NA	NA	Range	ND - 18	NC	An organic compound mainly produced by
2-ivietriyiisoborriedi (iviib)	ng/L				Average	5.9	NC	blue-green algae (cyanobacteria)
Hq	рН	NA	NA		Range	7.4 - 8.8	7.35 - 8.10	Runoff/leaching from natural deposits;
PIT	Units				Average	8.3	7.61	seawater influence
Potassium	nnm	NA	NA		Range	3.6	2.0 - 2.7	Runoff/leaching from natural deposits;
Potassium	ppm	INA	INA		Average	3.6	2.2	seawater influence
Sodium	nnm	NA	NA		Range	83	38 - 60	Runoff/leaching from natural deposits;
Sodium	ppm	INA	INA		Average	83	47	seawater influence
Total Organic Carbon			NIA	0.00	Range	1.1 - 4.1	NA	
(TOC) ^g	ppm	TT	NA	0.30	Average	2.2	NA	Various natural and manmade sources.
Vanadium	ppb	NA	NL=50	3	Range	NC	ND - 23	Leaching from natural deposits;
Variaululli	ppp	INA	INL=50	<u> </u>	Average	NC	11	industrial wastes

Distribution System Water Quality

ORGANIC CHEMICALS

					Range	43 - 58	5.7 - 53.5	
Total Trihalomethanes ^h	ppb	80	NA	NA	Highest	52.8	36.2	By-product of drinking water chlorination
					LRAA		30.2	
					Range	6.3 - 11	2.7 - 15.4	
Haloacetic Acids	ppb	60	NA	1,2	Highest	13.0	11.3	By-product of drinking water chlorination
					LRAA	13.0	11.3	
DISINFECTION								

2.0								
Total chlorine residual		MRDL =	MRDLG =		Range	1.37 - 3.58		Measurement of the disinfectant
CCWA Distribution	ppm	4.0	4.0	-	Average	2.79		used in the production of drinking water
Free/total chlorine residual		MRDL =	MRDLG =		Range		0.48 - 3.72	Measurement of the disinfectant
ID No.1 Distribution	ppm	4.0	4.0		Average		1.82	used in the production of drinking water

Abbrevations and Notes

Footnotes:

- (a) Turbidity (NTU) is a good indicator of the effectiveness of a filtration system. Monthly turbidity values for State Water are listed in the Secondary Standards section.
- (b) Gross alpha particle activity monitoring required every nine years for State Water; more frequent monitoring is required for some groundwater based on detected levels. Reported average and range are from most recent sampling of all supply wells.
- (c) Uranium monitoring is dependent on measured gross alpha particle activity.
- (d) The District's Water Supply Permit, issued by DDW (formerly DPH), requires monitoring of the asbestos levels in the distribution system in the areas that contain asbestos cement pipes whenever the aggressive index (AI) of the water served to the public is below 11.5.
- (e) There is currently no MCL for Hexavalent Chromium. The previous MCL of 10.0 ppb was withdrawn on September 11, 2017.
- (f) Pour plate technique -- monthly averages.
- (g) TOCs are taken at the State Water treatment plant's combined filter effluent.
- (h) Compliance based on the LRAA of distribution system samples. Values reported are the range of all 2021 sample results and highest locational running annual average.
- (i) Monochloroacetic Acid (MCAA) has a DLR of 2.0 ug/L while the other four Haloacetic Acids have DLR's of 1.0 ug/L.

Abbreviations

ACU = Apparent Color Units

CCWA = Central Coast Water Authority

CFU/ml = Colony Forming Units per milliliter

DLR = Detection Limit for the Purpose of Reporting

ID No.1 = Santa Ynez River Water Conservation District, Improvement District No.1

LRAA - Locational Running Annual Average

NA = Not Applicable

NC = Not Collected

ND = Non-detect

ng/L = nanograms per liter

NL = Notification Level

NTU = Nephelometric Turbidity Units

pCi/L = PicoCuries per liter

ppb = parts per billion, or micrograms per liter (µg/L)

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

SI = saturation index

TON = Threshold Odor Number

µmho/cm = micromhos per centimeter

Revised Total Coliform Rule (RTCR)

This Water Quality Report reflects changes in drinking water regulatory requirements during 2021. As of July 1, 2021, all water systems are required to comply with the State Revised Total Coliform Rule (RTCR), which adds the requirements of the federal RTCR (effective since April 1, 2016) to the state Total Coliform Rule (TCR). Like the TCR, the new RTCR maintains the purpose of protecting public health by ensuring the integrity of the drinking water distribution system and monitoring for the presence of microbials (i.e., total coliform and E. coli bacteria). Water systems that exceed a specified frequency of total coliform occurrences are now required to conduct an assessment to determine if any sanitary defects exist. If found, these defects must be corrected by the water system. The USEPA anticipates greater public health protection as the RTCR requires water systems that are vulnerable to microbial contamination to identify and fix problems. District bacteriological monitoring in 2021 confirmed compliance with both the state TCR and federal RTCR. There were no MCL exceedances for total coliform or E. coli bacteria, as noted in the following table.

SAMPLING RESULTS: DISTRIBUTION SYSTEM MONITORING											
Microbiological Contaminants	No. of Samples Required ¹	No. of Samples Collected	Highest No. of Detections		of Months Tiolation	MCL	MCLG	Typical Source of Bacteria			
Total Coliform Bacteria	153	204	(In a month) 0		0	More than 1 sample in a month with a detection	0	Naturally present in the environment			
Fecal Coliform or E. coli	153	204	(In a month) 0		0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or E. coli	0	Human and animal fecal waste			
2018 Lead & Copper ²	No. of samples collected	90 th percentile level detected	No. Sites exceeding AL	AL	MCLG	Typical Source of Contaminant					
Lead (ppb) ³	20	ND	0	15	5 0.2 systems; discharg		nternal corrosion of household water plumbing ystems; discharges from industrial manufacturers; rosion of natural deposits.				
Copper (ppm)	20	0.120	0	1.3 0.3 Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching fi wood preservatives.							

Notes:

- 1. Three bacteriological samples per week are required based on the number of District service connections, as specified in the California Code of Regulations (CCR), Chapter 15, Title 22 (Domestic Water Quality and Monitoring). The District optionally monitors bacteria at a fourth location weekly to assure representative sampling of the entire distribution system.
- 2. Sampling requirements are specified in the Lead and Copper Rule, CCR, Title 22 and are based on the population served. Samples are obtained from a representative sampling of customer's internal plumbing. Following initial sampling specified in CCR, Title 22, Chapter 17.5, representative sampling for lead and copper is required once every three years. The data summary displayed in the table above is from data obtained in August of 2021. The next scheduled sampling for lead and copper is in the summer of 2024.
- **3**. In 2018, the District sampled for lead in both public and private school water systems within the District's service area. See "Additional Information Regarding your Drinking Water" in this report for more information.

EPA Safe Drinking Water Hotline

All 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. Environmental Protection Agency's (USEPA) Safe Drinking Water Hotline (1-800-426-4791).

Surface Water Supply – The State Water Project

As indicated above, all surface water from the State Water Project that was used by the District in 2021 was obtained from the Central Coast Water Authority (CCWA), an agency formed in 1991 to finance, construct, and operate State Water treatment and delivery facilities on behalf of all Santa Barbara County participants in the State Water Project. Runoff from the Sierra Nevada watershed travels more than 500 miles through the rivers, pipelines, and aqueducts that make up the State Water Project before reaching the District's Mesa Verde Pumping Station. State Water is treated by CCWA at the Polonio Pass Water Treatment Plant (PPWTP), located in San Luis Obispo County. This 43 million-gallon per day facility was designed and constructed to treat all State Water served to San Luis Obispo and Santa Barbara Counties. CCWA conducts weekly testing of the treated State Water at numerous locations along its 143-mile pipeline. For more information about the treatment and delivery of State Water, please visit the CCWA website at www.ccwa.com.

As a reminder, State Water delivered to the District is disinfected with chloramines by CCWA as the final step in the raw water treatment process. While chloramines do not pose a health hazard to the general population, they can be dangerous to people undergoing kidney dialysis unless the chloramines are reduced to acceptable levels. Dialysis patients should already be aware of this concern and be taking the proper precautions when receiving dialysis treatment. Additionally, **chloraminated water is toxic to fish**. Local pet stores and fish suppliers can be contacted regarding the necessary treatment of chloraminated water to assure it is safe for fish.

Cross-Connection Control Program

As many of our residential, commercial, and agricultural customers know, the District requires the installation and maintenance of backflow prevention devices where an actual or potential cross-connection exists to protect and ensure safe water quality within our distribution system. District Resolution No. 482 establishes the District's Cross-Connection Control Program to assure compliance with DDW regulatory requirements (17 CCR, Section 7584) and to prevent the contamination of water within our distribution system. For additional information regarding this program, please contact the District to receive a copy of our cross-connection control brochure or the District's Cross-Connection Control Policy.

Additional Information Regarding Your Drinking Water

COVID-19

Your Tap Water Remains Safe – The District's water supplies remain safe and reliable for drinking, hand washing, and all other purposes. According to the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC), COVID-19 has not been detected in drinking water supplies and, based on current evidence, the risk to water supplies is very low. Furthermore, all sources of the District's water supply are treated and disinfected to levels proven effective in eliminating viruses (such as COVID-19), bacteria, and other pathogens.

Hexavalent Chromium (Cr6)

Chromium is a naturally occurring metal present in ore deposits and rock types found in the nearby San Rafael Mountains, which make up a large portion of the Upland basin area that recharges the District's Upland groundwater wells. As a result, chromium (including Cr6) is present in some of the District's Upland basin wells. On July 1, 2014, the State of California enacted a new MCL for Cr6 in drinking water of 10 ppb, previously regulated under the Total Chromium MCL of 50 ppb. However, the MCL was withdrawn on September 11, 2017, pending further evaluation and re-establishment of a new Cr6 MCL by the State Water Resources Control Board (SWRCB). In March of 2022, the SWRCB released an administrative draft Cr6 MCL of 10 ppb. As part of the proposed regulatory revisions, small water systems such as the District will have a 3-year compliance schedule once the official rule making process is complete, which could occur by summer 2023.

Risks of Lead in Drinking Water

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 to the extent they contain lead. In 2018, the District conducted a survey of all the water service lines within the distribution system and concluded that no lead service lines were ever installed or used by the District. The District is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components in your home that are not owned or installed by the District. According to DDW, 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.

Lead in Schools

Amendments to the California Health and Safety Code in October 2017 required community water systems to perform lead testing within their service area boundaries at all public school sites constructed prior to January 1, 2010. All testing of lead in public schools (kindergarten – 12th grade) was required to be reported to the State by July 1, 2019. In the spring of 2018, the District contacted all public and private schools within the District's service area to offer lead testing of the potable water sources (e.g., faucets, drinking fountains, cooking facilities) on each of the school sites. All of the public schools and nearly all of the private schools within the District's service area participated in the Lead Testing Program. All sampling of participating school sites was completed and reported to the State in the fall of 2018. Analytical results for all lead testing conducted in both public and private school water systems were below the Action Level (AL) of 15 ppb. All results were reported directly to the schools and the California State Water Resources Control Board.

Recommendation for Customers with Special Water Needs

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised individuals such as people with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, and some elderly and infants can be particularly at risk from infections. These people should seek advice from their health care providers regarding the potential risks of drinking water supplies. 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 USEPA Safe Drinking Water Hotline, as referenced above.

Annual Water Quality Report (AWQR) - Electronic Delivery

Similar to last year, this 2021 AWQR is available electronically on the District's website, which minimizes printing and mailing costs, and reduces paper consumption. Hard copies of the AWQR are available at the District office and will be mailed or emailed upon request.

Attention Landlords and Other Property Managers

We recommend that landlords and other property managers display this report in a public location such as a lobby, laundry room, or community room. If you would like to receive additional copies of this report, please contact the District office at (805) 688-6015.

Public Participation

If you are interested in learning more about your water supply, District customers and other members of the public are invited to attend the regularly scheduled meetings of the Board of Trustees on the **third Tuesday of each month, 3:00 P.M.** Meetings are typically held at the Santa Ynez Community Service District Conference Room, 1070 Faraday Street, Santa Ynez. Alternatively, attendance is currently available via teleconference access. For more information, please contact the District office at (805) 688-6015 or visit the District's web site at www.syrwd.org.

The District appreciates this opportunity to communicate our efforts in delivering reliable, high quality drinking water to District customers. We are interested in any questions or suggestions you may have pertaining to this report or any other water quality issues. For additional information, please contact Eric Tambini, Water Resources Manager, at (805) 688-6015.

<u>Our Mission Statement</u>: To provide the residential and agricultural customers in the Santa Ynez River Water Conservation District, Improvement District No.1 service area with a reasonably priced, reliable, high quality water supply, and efficient and economical public services.

Information in Spanish

Este informe contiene información muy importante sobre su agua para beber. Favor de communicarse con Santa Ynez River Water Conservation District, ID No. 1 al numero de telefono (805)-688-6015 para assistirlo en español.