

Consumer Confidence Report

2020 Annual Drinking Water Quality Report

Sandy Shores

We're pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from a ground water well located in the Sandy Shores subdivision.

Pend Oreille County PUD #1 routinely monitors for contaminants in your drinking water according to Federal and State laws. 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 Environmental Protection Agency's Safe Drinking Water Hotline at 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, persons 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. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

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 before we treat it include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which 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, which may come from a variety of sources such as agriculture and residential uses.
- Radioactive contaminants, which are naturally occurring.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can, also, come from gas stations, urban storm water runoff, and septic systems.

WATER QUALITY DATA:

The following table lists all the drinking water contaminants that we tested for during the 2020 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, 2020. The state requires us to monitor for certain contaminants less than once per year because the

concentrations of these contaminants 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 this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

- **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- **Maximum Contaminant Level Goal (MCLG):** The level of contaminant in drinking water below which there is no known or expected risk to health.
- **SRL:** Minimum reporting level for Washington (Department of Health)
- **ND:** Not detectable at testing limit
- **pCi/l:** picocuries per liter (a measure of radiation)
- **ppb:** Parts per billion or micrograms per liter
- **ppm:** Parts per million or milligrams per liter
- **Nephelometric Turbidity Units (NTU):** A means of measuring turbidity by passing light through it. The higher number, the higher the cloudiness.
- **AL:** (Federal Action Level) EPA maximum contaminant level. If exceeded, call Dept. of Health.
- **MFL:** Million fiber per liter.

Inorganic Contaminants	Results	SRL	Units	MCL	Source
Lead 2020	ND	0.002	mg/l	AL=.015	Corrosion of household plumbing systems, erosion of natural deposits
Copper 2020	ND	0.2	mg/l	AL=1.3	Corrosion of household plumbing systems, erosion of natural deposits
Nitrate 2020	ND	0.5	mg/l	10	Runoff from fertilizer use; leaching from septic tanks, sewage, erosion of natural deposits
Arsenic 2020	.00819	.001	mg/l	.01	Surface water run off encountering natural rock formations
Radionuclides					
Gross Alpha 2020	ND		pCi/L	15	Erosion of natural deposits
Gross Beta 2006	ND		pCi/L	50	Erosion of natural deposits
Radium 228-2020	.803		pCi/L	3	Erosion of natural deposits
Iron 2020	.0194	.1	mg/l	.3	Iron exists naturally in rivers, lakes, and underground water. It may also be released to water from natural deposits
Asbestos 2008	<0.11	7	MFL>10um	7	Asbestos is a fibrous mineral occurring in natural deposits.

Lead – Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

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. Pend Oreille County PUD #1 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. If you are concerned about lead in your water, you may wish to have your water testing. 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/safewater/lead>.

Copper – Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson’s Disease should consult their personal physician.

Nitrate – Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

Turbidity – Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectant.

Arsenic - Arsenic in your drinking water has been reported at less than .01 mg/l. This means that your drinking water currently meets EPA’s newly revised drinking water standard for arsenic. In the future, your Consumer Confidence Report will reflect improved laboratory methods that will more accurately detect the level of arsenic (if any) in your drinking water. EPA believes that consumers should be aware of the uncertain health risks presented by very low levels of arsenic. EPA’s standard balances the current understanding of arsenic’s health effects against the costs of removing arsenic from drinking water.

The EPA has determined that your water IS SAFE at these levels.

If you have any questions about this report or concerning your water utility, please contact Mark “Bubba” Scott, at (509) 447-6375. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on 1st and 3rd Tuesdays of each month at 10:00 a.m.

Your representative to the Citizens Water Committee is Al Mix.

Here is your Water Usage Efficiency information for 2020:

	Customers	Gallons Produced	Gallons Sold	Unaccounted for water
Riverbend	82	2,012,369	2,025,666	1.7%
Sunvale Acres	67	2,717,344	2,785,403	-.02%
Sandy Shores	71	3,685,600	3,981,776	-2.5%
Metaline Falls	192	16,648,072	12,480,150	10.98%
Riverview Shores	59	1,637,163	1,638,620	-.01%

Additional test results below.

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
 504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Client: Sandy Shores
Address: P.O. Box 190
 Newport, WA 99156
Attn: Mark Scott

Work Order: WAD0402
Project: Sandy Shores 4/15/20
Reported: 5/18/2020 20:28

Analytical Results Report

System ID# 76145 System Name: Sandy Shores
 Reference Number: WAD0402-01 Collect Date: 04/15/20 07:45 DOH Source #: 01
 Multiple Source Nos: Sample Type: Before County: Pend Oreille
 Date Received: 04/15/20 13:33 Sample Purpose: RC - Routine/Compliance Sample
 Sample Location: S01
 Matrix: Drinking Water

Lab/Sample Number: 125-40201

Herbicides

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0137	Dalapon	ND	ug/L	1.00	1	200	4/29/20 18:17	SAT	EPA 515.4	

Inorganics

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0008	Iron	0.0194	mg/L	0.0100		0.3	4/30/20 17:40	MYM	EPA 200.7	
0014	Sodium	3.49	mg/L	0.100			4/30/20 17:40	MYM	EPA 200.7	

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
	Total Dacthal	ND	ug/L	0.0200			4/29/20 18:17	SAT	EPA 515.4	

Herbicides

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0134	Pentachlorophenol	ND	ug/L	0.0400	0.04	1	4/29/20 18:17	SAT	EPA 515.4	
0139	Dinoseb	ND	ug/L	0.200	0.2	7	4/29/20 18:17	SAT	EPA 515.4	
0140	Picloram	ND	ug/L	0.100	0.1	500	4/29/20 18:17	SAT	EPA 515.4	
0221	Dichlorprop	ND	ug/L	0.500	0.5		4/29/20 18:17	SAT	EPA 515.4	

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
	Surrogate: DCINA	106%		70-130			4/29/20 18:17	SAT	EPA 515.4	

Herbicides

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0225	DCPA (Acid Metabolites)	ND	ug/L	0.0200	0.1		4/29/20 18:17	SAT	EPA 515.4	

Compounds not on WA templates

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0224	Chloramben	ND	ug/L	0.200	0.2		4/29/20 18:17	SAT	EPA 515.4	

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Client: Sandy Shores
Address: P.O. Box 190
Newport, WA 99156
Attn: Mark Scott

Work Order: WAD0402
Project: Sandy Shores 4/15/20
Reported: 5/18/2020 20:28

Analytical Results Report

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Reference Number: WAD0402-01 Collect Date: 04/15/20 07:45 DOH Source #: 01
Multiple Source Nos: Sample Type: Before County: Pend Oreille
Date Received: 04/15/20 13:33 Sample Purpose: RC - Routine/Compliance Sample
Sample Location: S01
Matrix: Drinking Water

Lab/Sample Number: 125-40201

Herbicides

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0037	2,4-D	ND	ug/L	0.100	0.1	70	4/29/20 18:17	SAT	EPA 515.4	
0038	2,4,5-TP (Silvex)	ND	ug/L	0.200	0.2	50	4/29/20 18:17	SAT	EPA 515.4	
0138	Dicamba	ND	ug/L	0.200	0.2		4/29/20 18:17	SAT	EPA 515.4	
0135	2,4-DB	ND	ug/L	1.00	1.0		4/29/20 18:17	SAT	EPA 515.4	
0136	2,4,5-T	ND	ug/L	0.400			4/29/20 18:17	SAT	EPA 515.4	
0220	Bentazon	ND	ug/L	0.500	0.5		4/29/20 18:17	SAT	EPA 515.4	
0223	Acifluorfen	ND	ug/L	1.00	2.0		4/29/20 18:17	SAT	EPA 515.4	
0226	3,5-Dichlorobenzoic Acid	ND	ug/L	0.500	0.5		4/29/20 18:17	SAT	EPA 515.4	

Lab/Sample Number: 112-40201

Inorganics

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0004	Arsenic	0.00819	mg/L	0.00100	0.01	0.01	4/17/20 10:38	TRC	EPA 200.8	
0005	Barium	0.0216	mg/L	0.00100	2	2	4/17/20 10:38	TRC	EPA 200.8	
0006	Cadmium	ND	mg/L	0.00100	0.005	0.005	4/17/20 10:38	TRC	EPA 200.8	
0011	Mercury	ND	mg/L	0.000100	0.002		4/17/20 10:38	TRC	EPA 200.8	
0012	Selenium	ND	mg/L	0.00100	0.05	0.05	4/17/20 10:38	TRC	EPA 200.8	
0110	Beryllium	ND	mg/L	0.00100	0.004	0.004	4/17/20 10:38	TRC	EPA 200.8	
0112	Antimony	ND	mg/L	0.00100	0.006	0.006	4/17/20 10:38	TRC	EPA 200.8	
0113	Thallium	ND	mg/L	0.00100	0.002	0.002	4/17/20 10:38	TRC	EPA 200.8	
0114	Nitrite-N	ND	mg/L	0.100	0.5	1	4/15/20 15:23	SST	EPA 300.0	
0020	Nitrate-N	ND	mg/L	0.100	5	10	4/15/20 15:23	SST	EPA 300.0	
0010	Manganese	ND	mg/L	0.00100		0.05	4/17/20 10:38	TRC	EPA 200.8	
0013	Silver	ND	mg/L	0.00100	0.1	0.1	4/17/20 10:38	TRC	EPA 200.8	
0022	Sulfate	9.83	mg/L	0.100	250	250	4/15/20 15:23	SST	EPA 300.0	
0024	Zinc	0.00582	mg/L	0.00100		5	4/17/20 10:38	TRC	EPA 200.8	
0015	Hardness	95.5	mg CaCO3/L	3.00			4/16/20 11:00	NDE	SM 2340 C	
0017	Turbidity	0.279	NTU	0.100			4/16/20 11:20	SST	EPA 180.1	
0026	TDS	76.0	mg/L	5.00	500		4/21/20 9:45	BAS	SM 2540 C	
0009	Lead	ND	mg/L	0.00100	--	0.015	4/17/20 10:38	TRC	EPA 200.8	

Radionuclides

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0165	Gross alpha **	ND	pCi/L	3.00		15	4/21/20 13:09	AM	EPA 900.0	

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Analytical Results Report

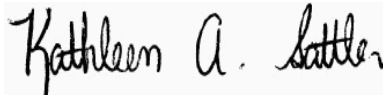
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Sample Location: S01
Matrix: Drinking Water

Lab/Sample Number: 112-40201

Inorganics

DOH #	Analyte	Result	Units	SRL	Trigger	MCL	Analyzed	Analyst	Method	Qualifier
0007	Chromium	ND	mg/L	0.00100	0.1	0.1	4/17/20 10:38	TRC	EPA 200.8	
0111	Nickel	ND	mg/L	0.00100	--	0.1	4/17/20 10:38	TRC	EPA 200.8	
0116	Cyanide	ND	mg/L	0.0100	0.2	0.2	4/24/20 15:12	TLM	EPA 335.4	
0019	Fluoride	0.101	mg/L	0.100	2	4	4/15/20 15:23	SST	EPA 300.0	
0021	Chloride	0.644	mg/L	0.100	250	250	4/15/20 15:23	SST	EPA 300.0	
0016	Conductivity	192	umhos/cm	1.00	700	700	4/16/20 13:30	SST	SM 2510 B	
0018	Color	<5@pH 7.71	Color Units	5.00		15	4/15/20 15:30	SST	SM 2120 B	
0023	Copper	ND	mg/L	0.00100	--	1.3	4/17/20 10:38	TRC	EPA 200.8	

Authorized Signature,



Kathleen Sattler, Laboratory Manager

PQL Practical Quantitation Limit
ND Not Detected
MCL EPA's Maximum Contaminant Level
Dry Sample results reported on a dry weight basis
* Not a certified analyte

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The results reported related only to the samples indicated.