

# 2017 Annual Drinking Water Report PWS#933589

Your drinking water is brought to your home by **Spokane County Water District #3**. SCWD#3 operates 8 independent water systems in Spokane County and is dedicated to making sure that every drop of water delivered to your tap is clean and safe for your family. Water District Board Meetings are held weekly on Tuesday mornings at 9:00am.

Spokane County Water District #3  
1225 N. Yardley Street  
Spokane, WA 99212-7001

Your drinking water comes from the **Spokane Valley Rathdrum Prairie Aquifer** (see reverse for map). This pristine and abundant aquifer lies in two states, holds ten trillion gallons of water, and is the sole source of drinking water for almost half a million people in the region. This groundwater source is recharged by the local precipitation and the snow pack in northern Idaho and western Montana. It is naturally filtered by surface vegetation and the layers of gravel above the water line. The aquifer travels through northern Idaho and into Washington where it discharges into the Spokane River and the Little Spokane River.

The SVRP aquifer is unique because of its vast size, swift flow of water, porous soils and due to the fact that the land over the aquifer is extensively developed. These factors make our aquifer uniquely susceptible to contamination. We must all treat the aquifer with care to keep our drinking water clean for everyone to enjoy. In the past one hundred years aquifer levels have remained constant, however scientific models have shown us that even though the aquifer is plentiful it is not unlimited. Careful planning will be required in the coming years to ensure that this aquifer remains clean and available for our community. Preserving our water sources for the future is a priority for SCWD#3. To find out more about how you can be an active partner in our efforts visit [www.spokaneaquifer.org/education-awareness/water-conservation/](http://www.spokaneaquifer.org/education-awareness/water-conservation/) or [www.ecy.wa.gov/programs/wr/ws/wtrcnsv.html](http://www.ecy.wa.gov/programs/wr/ws/wtrcnsv.html).

SCWD#3 strives to be a **good steward** of the aquifer and your water system. Year round water quality monitoring, replacing aging or leaking pipes and pumps, and planning for growth are just some of the responsibilities of the District.

## ENGLISH

This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.

## SPANISH

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.

## RUSSIAN

В этом сообщении содержится важная информация о воде, которую вы пьёте. Попросите кого-нибудь перевести для вас это сообщение или поговорите с человеком, который понимает его содержание.

## VIETNAMESE

Tài liệu này có tin tức quan trọng về nước uống của quý vị. Hãy nhờ người dịch cho quý vị, hoặc hỏi người nào hiểu tài liệu này.

In order to ensure that your water is **clean and safe**, we test for contaminants all year long. The Department of Health and EPA prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) and the Washington Department of Agriculture regulations establish limits for contaminants in bottled water. **We are proud to report that your water meets or exceeds all state and federal regulations.** While some contaminants were found in the water, the Environmental Protection Agency has determined that your water is safe at these levels for you and your family. Keep in mind that the presence of contaminants doesn't mean the water is unsafe. MCLs are set at very stringent levels. A person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect. Health related standards are set by the Washington State Department of Health. In addition to monitoring the quality of the water, SCWD#3 also works to make sure we are **using water efficiently**. We set water use efficiency goals for our system in 2008, updated them in 2015, and report our progress annually.

### SYSTEM LEAKAGE BELOW 10% BY 2020

The District did not meet the goal in 2017, however great progress has been made. Through aggressive leak detection and meter replacement, the District reduced its system leakage from 17.6% to 11.1%, a savings of over 2.5 million gallons! SCWD#3 now utilizes radio read technology which allows our operators to pull historical consumption information off of your meter. This takes the guesswork out of high water consumption and provides the opportunity to map your water usage, any misuse of water, and of course indicate water leakage. To have your meter Data Logged, call the Water District office today.

### CONSERVATION ORIENTED RATE STRUCTURE

SCWD #3 adjusted the second tier of the "inclining" rate structure in 2008 to provide an incentive for customers to reduce their water usage.

Remember, the best way to help with this goal is reducing your irrigation usage. Saving water not only helps the aquifer and river, it saves energy needed to pump the water and it saves you money on your bills!

## SOURCE WATER TESTING (sample taken at the well)

CONTAMINANT	UNITS	MCLG	MCL	HIGHEST DETECTION	POSSIBLE SOURCE
Nitrate	mg/L	10	10.0	3.19	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits
Arsenic	ppb	NA	10	5.07	
Gross Alpha	pCi/L	0	15	1.57	Erosion of Natural Deposits
Synthetic Organic Chemicals	ppb	varies by chemical	varies by chemical	ND	varies by chemical
Volatile Organic Chemicals	ppb	varies by chemical	varies by chemical	ND	varies by chemical

## DISTRIBUTION SYSTEM TESTING (sample taken at the tap)

CONTAMINANT	UNITS	MCLG	AL	90th PERCENTILE	POSSIBLE SOURCE
Lead	ppb	0	15	1.0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Copper	ppb	1300	1300	63	

CONTAMINANT	UNITS	MCLG	MCL	HIGHEST DETECTION	POSSIBLE SOURCE
Total Trihalomethanes	ppb	0	80	1.26	By-product of Chlorination
HaloAcetic Acids	ppb	0	60	ND	By-product of Chlorination
E.coli Bacteria		0	A routine sample and a repeat sample are total coliform positive, and one is also E. coli positive	ND	Human and Animal Fecal Waste

**RADON** Radon is a naturally occurring radioactive gas that is common in the Spokane area. Exposure to excessive amounts of radon may increase cancer risk. Your drinking water, in most cases is a very small source of radon in indoor air. For local assistance concerning radon in your home, contact the Spokane County Health District at (509) 324-1560 ext. 5

**LEAD** In Washington State, lead in drinking water comes primarily from materials and components used in household plumbing. The more time water has been sitting in pipes, the more dissolved metals, such as lead, it may contain. Elevated levels of lead can cause serious health problems, especially in pregnant women and young children.

To help reduce potential exposure to lead: for any drinking water tap that has not been used for 6 hours or more, flush water through the tap until the water is noticeably colder before using for drinking or cooking. You can use the flushed water for watering plants, washing dishes, or general cleaning. Only use water from the cold-water tap for drinking, cooking, and especially for making baby formula. Hot water is likely to contain higher levels of lead. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water is available from EPA's Safe Drinking Water Hotline at 1-800-426-4791 or online at <http://www.epa.gov/safewater/lead>.

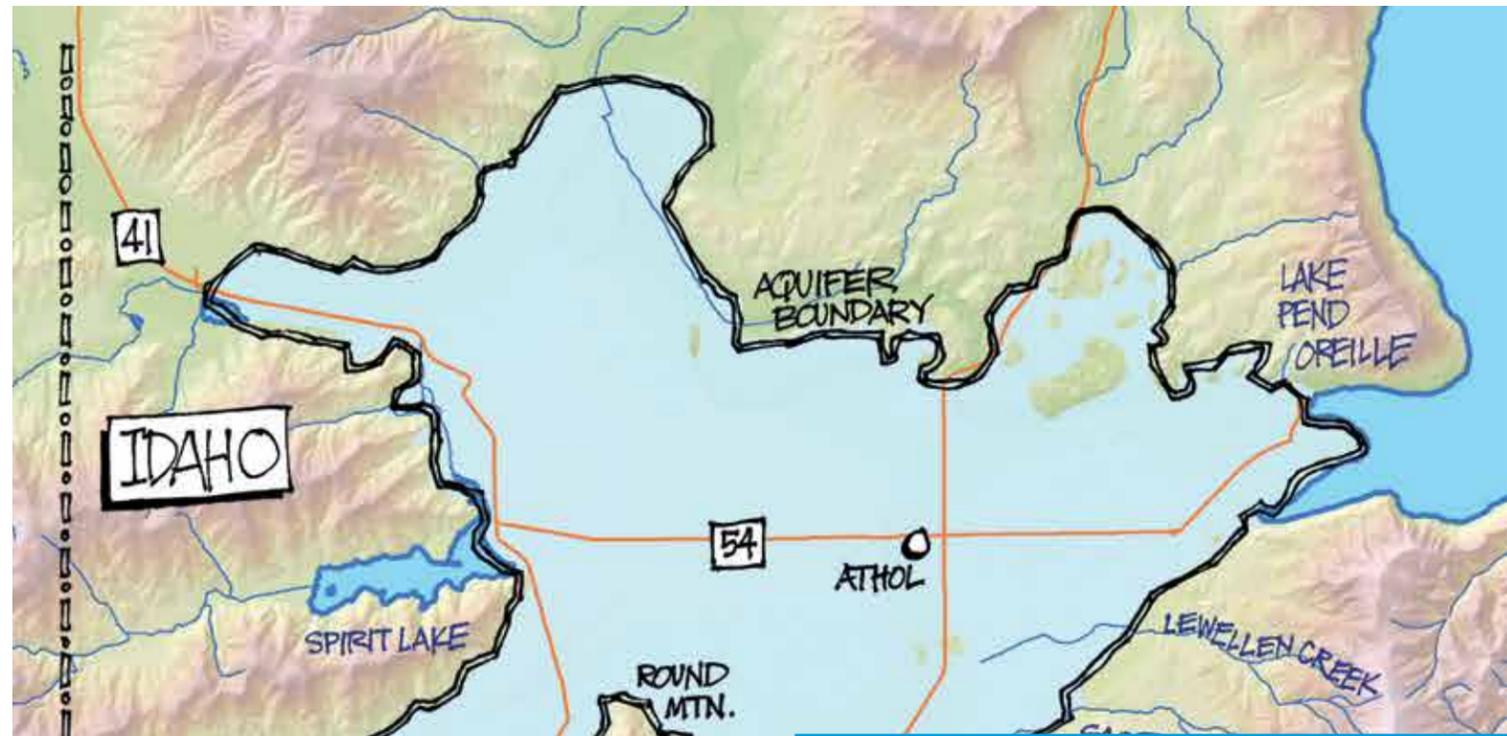
## ABBREVIATIONS:

**AL** - Action Level -The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.  
**MCL** - Maximum Contaminant Level - The highest level of a contaminant allowed in drinking water.  
**MCLG** - Maximum Contaminant Level Goal - the level of a contaminant in drinking water below which there is no known or expected risk to health.  
**ND** - Not Detected  
**NA** - Not Applicable  
**pCi/L** - Pico Curies per Liter - a unit of radioactivity  
**90th Percentile** - 90% of at risk homes had this concentration or less of lead/copper.  
**ppb** - parts per billion or micrograms per liter. About 1 drop in one of the largest tanker trucks used to haul gasoline would represent 1 ppb.  
**ppm** - parts per million or milligrams per liter. About 4 drops in a 55 gallon barrel would represent 1 ppm.

MEMBER SPOKANE  
AQUIFER JOINT  
BOARD



## Your Annual Water Quality Report



This report is provided to all of our customers. It describes your drinking water quality for the period of January 1st to December 31st, 2017. Your water utility is committed to supplying safe water that meets or surpasses state and federal standards and achieves the highest standards of customer service.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence 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 (EPA) Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-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 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 at 1-800-426-4791.