

# The Water We Drink

## City of Scappoose 2013 Water Quality Report

On July 15, 1999 the Oregon Health Division adopted the Federal Regulations for Consumer Confidence Reports. These rules apply to all community water systems. We are required by these rules to report annually on the condition of our water supply and we are happy to do so. For the calendar year of January through December, 2013, we have violations to report. Disinfectant byproduct (DBP) testing for the last quarter of 2013 was incomplete. DBP sampling was completed in the first quarter of 2014 and the water system is now in compliance. Our drinking water is safe and meets or exceeds all Federal and State requirements. Some customers have inquired about the mineral content of our water and the

resulting white residual on fixtures. This is attributable to dissolved minerals. This does not pose a health threat, nor is it easily removed from our water.

If you have any questions about this report or about your water quality, please contact Darryl Sykes at 503-543-7146. A copy of this report is available on the city's website. If you want to learn more about your water utility, please attend any of our regularly scheduled City Council meetings on the first and third Mondays of the month at 7:00 p.m. at City Hall.

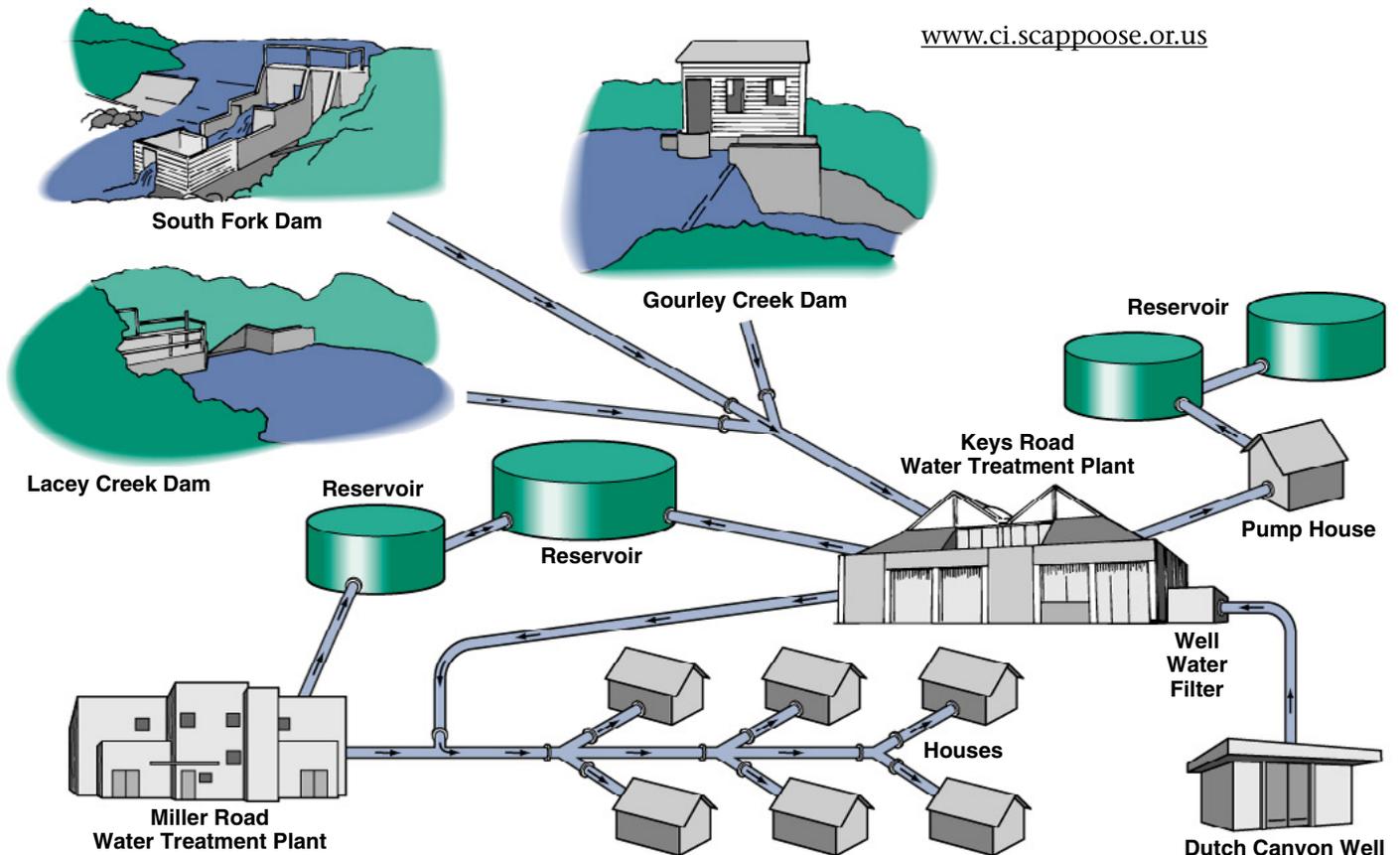
Este informe contiene información importante. El recipiente debe de tenerlo traducido en caso de necesidad.

## Supply Facts

The City of Scappoose has several sources for its drinking water. The water from the Dutch Canyon Well and surface water from South Fork Scappoose Creek, Gourley Creek, and Lacey Creek is filtered at the Keys

Road water treatment plant. The Miller Road treatment plant uses three wells located on that property. We still encourage citizens to conserve water and limit non-essential use. For ideas you can use to help, please see the Conservation Plan on our website:

[www.ci.scappoose.or.us](http://www.ci.scappoose.or.us)



# Water Facts

## Fluoride Treatment

The citizens of Scappoose approved Measure 5-231 in 1999 which requires the City to add fluoride to our water in an effort to improve the dental health of our citizens. Known for its cavity-fighting benefits, fluoride is of special interest to parents with young children. In 2011 the US Public Health Service revised the recommendation from a range of 0.7 to 1.2 ppm in drinking water to a recommendation of 0.7 ppm maximum. *Please contact your dental care provider for additional fluoride information.*

## Contaminants

As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. The City of Scappoose routinely monitors for numerous contaminants in your drinking water according to Federal and State laws. The monitoring period being reported on here extends from January 1 through December 31, 2013.

A list of all the chemicals we have tested for, as well as a comprehensive look at our water system is available online at the State of Oregon Drinking Water Program website.

## Recent Improvements

Radios which allow the treatment plants to communicate with the remote wells and reservoirs were upgraded. The old analog radios, which were starting to fail and are no longer supported by the manufacturer, were replaced with new digital radios.

The City of Scappoose Water Department will use the Columbia Alert Network (CAN) to notify customers

in the case of a water emergency. These may include mandatory water restrictions or other notices limiting water use. Home phones will be called for notification. If you would like your cell phone to be called, you may register the number at:

[www.columbia911.com](http://www.columbia911.com)

## Future Developments

The distribution system, consisting of underground water lines, valves, and fire hydrants, continues to grow as new homes and businesses locate in Scappoose. We have 2,350 water meters currently and expect to add about 12 more this year. To speed the meter reading process, we are installing radio read meters in all new installations and retrofitting old meters over a period of time. Along with meter replacement, other work planned for the water system includes cleaning of the South Fork Dam, leak detection in the distribution system, and electrode replacement on the chlorine generation system.

## Source Water Assessment Report

The Department of Environmental Quality completed a source water assessment for the surface sources of our drinking water in August 2000. A summary of that report can be found on our website:

[www.ci.scappoose.or.us](http://www.ci.scappoose.or.us)

## Back Flow Prevention Device

The City of Scappoose requires a back flow prevention device on any water service that may be connected to a well, a sprinkler system, or other connection that may result in the pollution of the City's drinking water. There is an annual testing requirement for all back flow devices.

# Lead and Copper Testing

The Date Tested, shown below, is the most recent sampling and is in compliance with regulations.

Substance	Date Tested	Units	Goal	Action Level (AL)	90th Percentile	Homes Exceeding Action Level	Complies?	Source of Contaminate
Copper	2011	ppm	1.3	1.3	0.199	0	Yes	Corrosion of
Lead	2011	ppb	0	15.5	0	0	Yes	household plumbing

The 90th percentile is the highest result found in 90% of the samples when they are listed in order from the lowest to the highest results. EPA requires testing for lead and copper at customers' taps most likely to contain these substances based on when the house was built. The EPA determined that the sample results did not exceed the Action Level (AL) at the locations we are required to test.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Scappoose is responsible for providing high quality drinking

water, but cannot control the variety of materials used in individual users' plumbing components.

When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap water for 30 seconds to two 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 [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

# Contaminants

This report is based upon the most recent tests conducted by the City of Scappoose Water Department. Testing frequency is determined by the Oregon Health Division. The Water Quality Table (below) lists the contaminant detects as required by the EPA, and although there were contaminant detects, all were below the Maximum Contaminant Level (MCL). Complete test results can be viewed at the website of Oregon Public Health. (<http://170.104.63.9/>) The Scappoose Water System ID number is 4100792. Terms used in the Table and in other parts of this report are defined here.

- **Maximum Contaminant Level or 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.

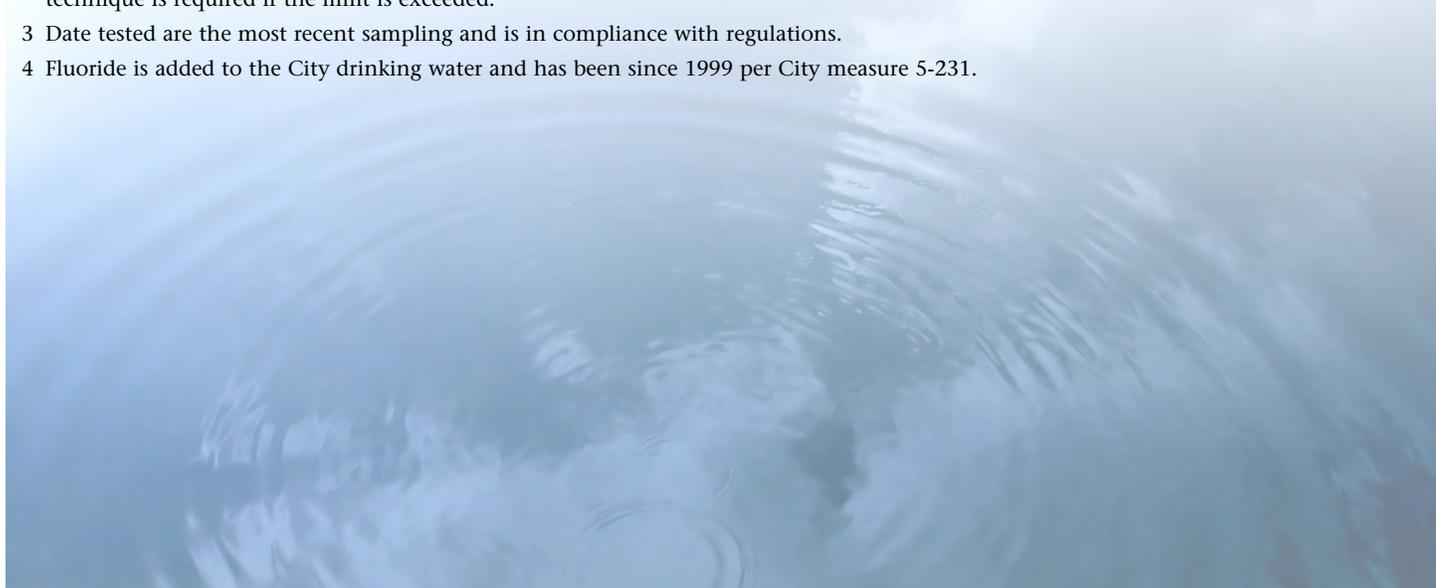
- **Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Treatment Technique or TT:** A required process intended to reduce the level of a contaminant in drinking water.

## Key to Water Quality Table

- MCL – Maximum Contaminant Level
- MCLG – Maximum Contaminant Level Goal
- TT – Treatment Technique
- pCi/L – pico Curies per liter
- ppm – parts per million or milligrams per liter (mg/l)
- ppb – parts per billion or micrograms per liter (ug/l)
- NTU – Nephelometric Turbidity Unit

Contaminant	Date Tested	Range Min. – Max.	Detected Level	Unit	MCL	MCLG	Meets Regs?	Major Sources
TTHMs <sup>1</sup>	Quarterly	.020 – .029	0.029	ppm	0.08	n/a	Yes	Disinfection Byproduct
HAA5 <sup>1</sup>	Quarterly	.0040 – .0053	0.0053	ppm	0.06	n/a	Yes	Disinfection Byproduct
Turbidity <sup>2</sup>	Daily	.02 – .19	n/a	NTU	TT = 95% of samples < 0.3 NTU	n/a	Yes	Soil Runoff, Sediment
Sodium <sup>3</sup>	7/1/10	n/a	9.8	ppm	n/a	n/a	Yes	Chlorination with Sodium Hypochlorite
Gross Alpha	3/6/13	n/a	2.4	pCi/L	15	0	Yes	Erosion of natural deposits
Fluoride <sup>4</sup>	Daily	.3 – 1.4	1.2	ppm	4	4	Yes	Added to promote dental health

- 1 Although there is no collective MCLG for this contaminant group, there are individual MCLGs for some of the individual contaminants:
  - Trihalomethanes (TTHMs): bromodichloromethane (zero); bromoform (zero); dibromochloromethane (0.06 ppm); chloroform (0.07 ppm)
  - Haloacetic acids (HAA5): dichloroacetic acid (zero); trichloroacetic acid (0.02 ppm); monochloroacetic acid (0.07 ppm). Bromoacetic acid and dibromoacetic acid are regulated with this group but have no MCLGs.
- 2 Turbidity has no health effects but can interfere with disinfection and provide a medium for microbial growth. “TT” means a treatment technique is required if the limit is exceeded.
- 3 Date tested are the most recent sampling and is in compliance with regulations.
- 4 Fluoride is added to the City drinking water and has been since 1999 per City measure 5-231.



## Service Facts

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals, or radioactive substances. 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.

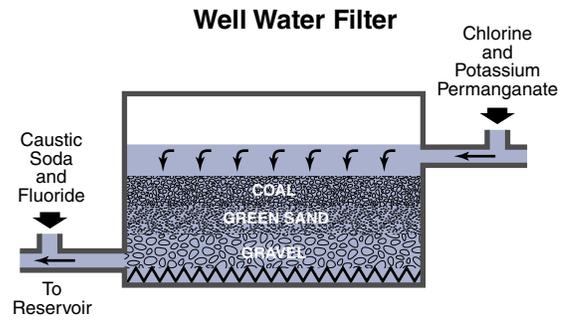
Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. 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).

Please call our office if you have questions. We can be reached by one of the following methods:

Phone: 503-543-7146

FAX: 503-543-2688

E-mail: [darrylsykes@ci.scappoose.or.us](mailto:darrylsykes@ci.scappoose.or.us)



Another source of information is the State of Oregon Drinking Water Program. Their website is:

<http://170.104.63.9>

Go to the Data Online section and search for the City of Scappoose. Our water system ID number is 4100792.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. An example of these types of improvements include construction of the Miller Road treatment plant and the two million gallon reservoir. Thank you for understanding.

We at the City of Scappoose work hard to provide top quality water to every tap. Please help us protect our water sources. Together we can ensure unspoiled drinking water for all our children.

