Less than 3% of the world’s water supply is fresh water, and much of that is inaccessible. Use our healthy and wonderful water wisely.
This annual report is intended to provide current, factual information about your drinking water.

1 WATER COLLECTION
Since 1929, Ashland’s watershed has been protected to insure water quality. No herbicides or pesticides have ever been used. No recreational uses are permitted within the immediate reservoir area of the watershed.

2 WATER TREATMENT
Our commitment to water quality excellence has carried us beyond state and federal drinking water standards to the leading edge of water treatment technology. We are also committed to excellence in customer service.

3 WATER STORAGE
Clean water fills the 2.2 million gallon Crowson reservoir with overflows going to Granite reservoir. Water is pumped to Alsing and Fallon reservoirs at the east and west ends of town.

4 WATER DISTRIBUTION
Water stored in the reservoirs enters the system that feeds Ashland’s fire hydrants, homes and businesses.

5 WATER CONSUMPTION
Ashland’s water quality meets or is better than state and federal standards. Remember that water is the single most important element in our lives, and that it is a limited resource. Use only what you need, and look for ways to conserve.

6 WATER CONSERVATION
Every drop counts! Reeder Reservoir is small in comparison to summer water demands. The Ashland community has been cautious in recent drought years, and has continued the conservation trend. Contact the Water Conservation division to learn how you can help 541-552-2062.
A Complicated Business
This report describes Ashland’s drinking water sources, treatment process, quality, and programs that protect the high quality of our water supply. This publication conforms to a federal regulation requiring water utilities to provide this information annually. We supported the passage of this regulation and believe the information provides a valuable service to our consumers. In this report we attempt to balance pertinent facts against the sheer volume of information available.

What You Need to Know
Safe drinking water is an essential resource for our citizens. The bottom line is this: We have no water quality violations and our water quality meets or is better than state and federal standards.

The details of the information summarized in this report are also submitted formally and routinely to the Oregon Health Department’s Drinking Water Program as well as to the United States Environmental Protection Agency. Both agencies monitor our compliance with the many regulatory standards and testing protocols required to assure safe drinking water.

Water Reporting Violations
Unfortunately the City of Ashland received two reporting violations from the State Health Division. One violation was for a late coliform sample report that involved a private laboratory delay of notification. The other violation a late disinfection by-product report that, due to a temporary staff shortage, was delivered late. The city now uses a certified mail procedure to rectify this.

The average snowfall on Mt. Ashland is 263 inches with an average maximum depth of 120 inches. This is based on daily records kept by Mt. Ashland starting in 1983. In drought years such as 2001 and 2009, water can also be taken from the Talent Irrigation District (T.I.D.) canals, which are fed by Howard Prairie Reservoir and Hyatt Lake (see page 6).

State & federal agencies monitor water quality. In order to ensure that tap water is safe to drink, the United States Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water.

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 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 (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 microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Other than the air we breathe, water is the single most important element in our lives and is a limited resource. Remember to use only the water you need and keep looking for new ways to conserve water in and around your home. The City of Ashland has numerous water conservation programs. Call 552-2062 for more information.

Reeder Reservoir is small in comparison to summer water demands. Our city was cautious in recent drought years and has continued the conservation trend. Call Water Conservation at 552-2062 to learn how you can help.
INFORMATION AND INPUT OPPORTUNITIES
City Council meetings (482-6002) 1st and 3rd Tuesdays at 7:00 pm
Budget Committee (482-6002) Usually in April and May each year
Forest Land Commission (488-5587)
Ashland Watershed Partnership RVCOC (779-6785)
Talent Irrigation District Board Meetings (535-1529)
www.ashland.or.us

INFORMATION AND INPUT OPPORTUNITIES
Water Collection
Water collected in Reeder reservoir is piped to the treatment plant.

Water Treatment
Aluminum sulfate, chlorine, and polymers are added to the water. These coagulating chemicals “stick” to impurities and harmful micro organisms. The particles attached to these chemicals are given time to grow while in contact basins. This treated water then flows into filtration tanks that remove the chemicals, large particles and harmful organisms.

Talent Irrigation District Water (T.I.D.)
During times of drought or water short years, the City supplements Reeder Reservoir with T.I.D. water. The source is Howard Prairie and Hyatt lakes. In 2009 we pumped 73.3 million gallons up to the water treatment plant.

Water Distribution
Clean water fills 2.2 million gallon Crowson reservoir, with overflows going to Granite reservoir. Water is pumped to Alsing and Fallon at the east and west ends of town. From these four reservoirs, water enters the system that feeds Ashland’s fire hydrants, homes and businesses.

Contact Information and Resources
Greg Hunter Water Plant Supervisor 488-5345
Terry Ellis Public Works Superintendent 488-5353
Mike Faught Public Works Director 488-5587
Robbin Pearce Water Conservation Analyst 552-2062
Oregon Department of Human Services 503-731-4031
EPA Safe Drinking Hotline 800-426-4791
Jackson County Health Department 774-8026
TTY Number (hearing impaired) 800-735-2900
Spanish 800-735-3896
Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

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.

Microbial contaminants, such as viruses and bacteria, which may come from untreated sewage, septic systems, agricultural livestock operations, and wildlife.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

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

Coliforms are a group of bacteria commonly found in the environment. Its presence in drinking water is used as an indicator of contamination by disease causing microorganisms. No coliforms were found in any water samples in 2009.

Glossary

Maximum contaminant level goal (MCLG). The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

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.

Non-detectable (ND). Not detected at an established minimum reporting level.

Action level. The concentration of a contaminant which, if exceeded, triggers treatment or other requirement which a water system must follow.

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

(ppm) Parts per million

(ppb) Parts per billion

Water Quality Analysis Results
The US Environmental Protection Agency requires that water systems report annually on contaminants that have been detected in their water supplies. The City of Ashland monitors for over 100 contaminants, including coliform bacteria, microorganisms, herbicides, organics, inorganics, and pesticides. We collect samples from the watershed, plant, distribution system, and at customers’ taps. Ashland’s water supplies meet or surpass federal and state drinking water standards.

Test was conducted in 2008—next due in 2011. 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 plumbing. Ashland 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 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.

Inorganics

Barium

<table>
<thead>
<tr>
<th>UNITS</th>
<th>ASHLAND’S DETECTED LEVEL</th>
<th>MAXIMUM CONTAMINANT LEVEL</th>
<th>MAXIMUM CONTAMINANT LEVEL GOAL</th>
<th>SOURCE OF CONTAMINANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ppm</td>
<td>0.0051</td>
<td>2</td>
<td>2</td>
<td>Erosion of natural deposits</td>
</tr>
</tbody>
</table>

Test was conducted in 2004—next due in 2013.
Turbidity is measured in NTUs (nephelometric turbidity units: a measure of the clarity of water.) Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

More facts about Ashland’s water...
Ashland water is very soft. It ranges from 30 to 50 ppm of calcium. Ashland’s water has an average pH of 7.2—which is essentially neutral. Ashland does not add fluoride to the water. Parents of young children may want to consult with their dentist about the need for fluoride treatments to prevent tooth decay.