

Source of Supply

United Water Idaho takes great pride in its ability to provide you with safe, high quality drinking water. We use a combination of surface and groundwater. Approximately 80% of your water is supplied from 85 wells located throughout the Boise area. The remaining 20% of your water comes from two surface water treatment plants (Marden Water Treatment Plant and Columbia Water Treatment Plant) which treat water from the Boise River.

Water from our wells is treated with small amounts of disinfectant to protect against potentially hazardous microorganisms that can get into the water. We also feed very low doses of polyphosphate at 17 of our wells to sequester minerals and keep your water clear.

Surface water from the Boise River is treated at our Marden Plant using an innovative upflow clarification process. This treatment process involves subsequent filtering to remove particulate matter, followed by disinfection with chlorine to destroy any harmful bacteria. In addition, we adjust the pH to reduce the corrosivity of the water and decrease the possibility of dissolving metals from household plumbing.

The Columbia Treatment Plant uses state-of-the art membrane filtration technology to prevent minute particles from passing through to the finished water.

- Treatment process

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Delivery capacity	107 million gallons per day
Water treatment plants	2 with a capacity of 26 million gallons/day
Operating wells	85
Average well volume	560 gallons per minute
Average well depth	550 feet
Deepest well	1,120 feet

Water Usage in 2007

Water delivered	16.3 billion gallons
Average daily usage	44 million gallons
Peak usage	90 million gallons
Minimum day usage	18 million gallons

7-6-07

Distribution System

System coverage	150 square miles
Pressure zones	7
Water mains	1,163 miles
Main size	2 inches to 24 inches
Reservoirs	36
Reservoir capacity	379 million gallons
Booster stations	43

who we are

customer info

conservation

news

site map



They will have about 2.6 million

$\# = 2.3$ storage tanks

$\frac{2.5 \text{ million gallons of storage}}{36 \text{ storage}} = \frac{9.5}{150} \square \text{ miles}$

→ about 1 million gallons each