## 2000 Water Quality Report

### How To Read This Water Quality Chart

The first column, titled Constituents, lists the naturally occurring and non-made inorganic contaminants that are monitored by the Washoe County Department of Water Resources, according to U.S. Environmental Protection Agency (EPA) standards. The Primary Inorganic Standards are monitored to ensure the water is safe to drink, and the Secondary Inorganic Standards are monitored to ensure the water is aesthetically pleasing.

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If you are uncertain about any of the terminology used in the chart, please refer to the "Glossary of Terms" below.

### Things to Know About Your H₂O

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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 infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on the appropriate means to lessen the risk of infection by cryptosporidium are available from the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4771).

### Lead and Copper

The Washoe County Department of Water Resources has completed monitoring in compliance with the Lead and Copper Rule. According to the Lead and Copper Rule, the 90th percentile lead and copper concentrations are not to exceed action levels of 0.015 mg/L for lead and 1.3 mg/L for copper. Please refer to the table for the most recent Lead and Copper results. If you would like more information regarding the rule or would like to participate in future sampling please contact our office.

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- **Action Level** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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- **Milligrams per liter (mg/L)** - one milligram per liter corresponds to one penny in $10,000 (same as Parts Per Million or PPM)

- **Micrograms per liter (μg/L)** - is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

- **μL** - pL is a measure of acidity. A pL value of less than 7 is acidic, values greater than 7 are alkaline.

### Radiocohemistry

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Maximum Contaminant Level (μg/L)</th>
<th>Maximum Contaminant Level Goal (μg/L)</th>
<th>Arrowcreek Well #1</th>
<th>Arrowcreek Well #2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>1000</td>
<td>100</td>
<td>&lt;0.5</td>
<td>&lt;0.5</td>
</tr>
<tr>
<td>Barium</td>
<td>5</td>
<td>5</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Boron</td>
<td>5</td>
<td>5</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Cadmium</td>
<td>5</td>
<td>5</td>
<td>&lt;0.05</td>
<td>&lt;0.05</td>
</tr>
<tr>
<td>Chromium</td>
<td>5</td>
<td>5</td>
<td>&lt;0.05</td>
<td>&lt;0.05</td>
</tr>
<tr>
<td>Copper</td>
<td>5</td>
<td>5</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Fluoride</td>
<td>5</td>
<td>5</td>
<td>&lt;0.06</td>
<td>&lt;0.06</td>
</tr>
<tr>
<td>Mercury</td>
<td>0.3</td>
<td>0.3</td>
<td>&lt;0.005</td>
<td>&lt;0.005</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.1</td>
<td>0.1</td>
<td>&lt;0.006</td>
<td>&lt;0.006</td>
</tr>
<tr>
<td>Nickel (as Ni)</td>
<td>0.1</td>
<td>0.1</td>
<td>&lt;0.006</td>
<td>&lt;0.006</td>
</tr>
<tr>
<td>Sodium</td>
<td>200</td>
<td>200</td>
<td>&lt;150</td>
<td>&lt;150</td>
</tr>
<tr>
<td>Total Solids</td>
<td>1500</td>
<td>1500</td>
<td>&lt;1870</td>
<td>&lt;1870</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>1000</td>
<td>1000</td>
<td>&lt;1870</td>
<td>&lt;1870</td>
</tr>
<tr>
<td>Lead</td>
<td>0.015</td>
<td>0.015</td>
<td>&lt;0.006</td>
<td>&lt;0.006</td>
</tr>
<tr>
<td>Hardness</td>
<td>No Standard</td>
<td>No Standard</td>
<td>&lt;98</td>
<td>&lt;98</td>
</tr>
<tr>
<td>Iron</td>
<td>0.5</td>
<td>0.5</td>
<td>&lt;0.1</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Iron (as Fe)</td>
<td>0.5</td>
<td>0.5</td>
<td>&lt;0.1</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Magnesium</td>
<td>150</td>
<td>150</td>
<td>&lt;150</td>
<td>&lt;150</td>
</tr>
<tr>
<td>Manganese</td>
<td>0.1</td>
<td>0.1</td>
<td>&lt;0.01</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 to 8.5</td>
<td>6.5 to 8.5</td>
<td>&lt;7.4</td>
<td>&lt;7.4</td>
</tr>
<tr>
<td>Sulfate</td>
<td>500</td>
<td>500</td>
<td>&lt;3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>Zinc</td>
<td>15</td>
<td>15</td>
<td>&lt;2</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Zinc (as Zn)</td>
<td>15</td>
<td>15</td>
<td>&lt;2</td>
<td>&lt;2</td>
</tr>
</tbody>
</table>

### Microbiology

- **Total Coliform**
  - Positive samples/ month
  - Negative samples
  - Coliform was not detected

- **Lead and Copper**
  - Arrowcreek Well #1: 0.004
  - Arrowcreek Well #2: 0.42

### Radiochemistry

- **PCU**
  - Gross Alpha Emitters: 15
  - Gross Beta/ Photon Emitters: 50
  - Radon: 50

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- **Percentage per liter (μg/L)** - is a measure of water radioactivity.

- **The symbol "=" means less than**
HOW WE TEST THE WATER.

Washoe County monitors each well for volatile organic compounds (solvents) and synthetic organic compounds (pesticides and herbicides). Volatile and synthetic organic constituents have not been detected in any of the groundwater wells. If you would like a list of the regulated and unregulated organic compounds we monitor, please contact our office.

The Washoe County Department of Water Resources has initiated a comprehensive methyl tertiary butyl ether (MTBE) monitoring program. MTBE, a fuel additive, has not been detected in any of the Washoe County Department of Water Resources production wells.

This report provides water chemistry data for the period of July 1, 1999 to June 30, 2000.

The wells have been assessed for vulnerability to contamination. This source water assessment identifies the origins of contaminants within the service area and indicates the susceptibility of the water system to such contaminants. If you are aware of a potential source of contamination located near the wells, please contact our water quality section. Source water assessment information is available from our office upon request.

Washoe County Department of Water Resources telephone number: 954-4600