Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as those who have had organ transplants, people with HIV/AIDS or other immune deficiencies, or those taking medications that suppress the immune system, may be more vulnerable. Children, the elderly, and those who are very young may also be more vulnerable than the general population.

If you have any questions regarding the information in this report, please contact the following:

**The City of San Bernardino Municipal Water Department**

For customer service:

Municipal Water Department
P.O. Box 710, San Bernardino, CA 92402-0710

Phone: (909) 382-5400
Fax: (909) 382-5401

Web: http://www.sbcitywater.org

For questions on source water protection:

Feldheym Central Library, 505 East Third Street, San Bernardino, CA 92410

Phone: (909) 384-4600
Fax: (909) 384-4608

For questions on potable water treatment:

California Department of Health Services (DHS)

Phone: (909) 382-5100
Fax: (909) 382-5401

For questions on water quality:

San Bernardino County Public Health

Phone: (909) 382-5400
Fax: (909) 382-5452

For questions on the Water Quality T echnicians:

California Environmental Protection Agency (CalEPA)

Phone: (909) 382-5400
Fax: (909) 382-5452

About this report

The City of San Bernardino Municipal Water Department was formed by the City of San Bernardino in 1950 from the consolidation of the San Bernardino and the San Gorgonio Water Districts. The City of San Bernardino Municipal Water Department has the responsibility of providing safe and adequate water service to the city’s residents and businesses while working in a manner that is environmentally responsible.

In 1990, the City of San Bernardino Municipal Water Department developed a Complete Water System Management Plan and began implementing its stated elements. The Board of Water Commissioners adopted this plan and the City has been implementing it ever since.

In response to the Federal Safe Drinking Water Act (SDWA), the City of San Bernardino Municipal Water Department is required to make yearly water quality reports to the EPA. These reports are called Consumer Confidence Reports (CCRs) and are mailed to all regular water customers in the City of San Bernardino, California, each year.

This report contains the results of all tests performed on the water delivered by the City of San Bernardino Municipal Water Department. The City of San Bernardino Municipal Water Department is required to make the results on this report available to all San Bernardino residents. The City also distributes this report to all new customers and at the City’s public water systems open house (if one is held) each year.

The City of San Bernardino Municipal Water Department must provide this report to all new customers. It must also be made available at no charge for public reading at the city’s public water systems open house (if one is held) each year.

The City of San Bernardino Municipal Water Department is responsible for delivering water to more than 500,000 residents of the greater Riverside-San Bernardino area. We share the water in the Bunker Hill Groundwater Basin with more than 100 other local public and private water suppliers. All of these water suppliers are represented on the San Bernardino Area Water Management Agency (USAWRA). USAWRA is a voluntary association of water agencies that works to assure that the water resources of the San Bernardino County area are protected, developed and distributed in a manner consistent with the health and welfare of the people who depend on them.

Our Water Quality T echnicians must also possess and maintain valid State of California drinking water treatment plant manager and distribution system operators licenses. These licenses are renewed every two years and must be certified by the State of California Department of Health Services (DHS) as a grade 5 treatment and grade 5 distribution system.

Our system has been rated by DHS as a grade 5 treatment and grade 5 distribution system. Our system has been rated by DHS as a grade 5 treatment and grade 5 distribution system. Our system has been rated by DHS as a grade 5 treatment and grade 5 distribution system.

The City of San Bernardino Municipal Water Department is a member of the California Water Quality Association (CWA), which requires all of its members to follow the CWA Standards. The CWA Standards are a comprehensive, enforceable groundwater basin management plan. In all, the City of San Bernardino Municipal Water Department serves San Bernardino and its surrounding communities with safe, reliable water from the Colorado River, as many other cities in Southern California must do. The City of San Bernardino Municipal Water Department also serves the San Gorgonio Pass and the Colorado River. This water fills all of the pores and open spaces in between grains of sand and travels through the ground to be captured and stored in the Bunker Hill Basin.

Bunker Hill Groundwater Basin

The Bunker Hill Groundwater Basin is the primary source of water for San Bernardino. It is a large aquifer that supplies water for not only San Bernardino, but also for the entire San Bernardino Valley. The Bunker Hill Groundwater Basin is located approximately 15 miles southeast of San Bernardino. It is a large aquifer that supplies water for not only San Bernardino, but also for the entire San Bernardino Valley.

The Bunker Hill Groundwater Basin is also monitored by an advanced system of sensors and computers called the Water Quality Information System (WQAIS). The WQAIS is a system that monitors the quality of the water in the Bunker Hill Groundwater Basin.

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## Important Definitions

**Maximum Contaminant Level Goal (MCLG):** The highest level of a contaminant in drinking water which the USEPA determines is likely to protect the public health. The MCLG need not be achievable, but it sets the basis for the development of drinking water standards.

**Maximum Contaminant Level:** A level of a contaminant in drinking water which may not be exceeded on a continuous basis. The MCL is enforceable.

**Secondary Drinking Water Standard:** A level of a contaminant in drinking water which, if not met, could cause an aesthetic effect, such as taste or odor. These standards are not enforceable.

**Primary Drinking Water Standard:** A level of a contaminant in drinking water which, if not met, is likely to cause a health hazard.

**California Department of Health Services:** A state government agency responsible for public health, environmental health, and other services to the public.

### Table: Contaminants

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Source: 2002/03/04 - Distribution System Monitoring</th>
<th>Value</th>
<th>Action Level</th>
<th>Health Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dihalomethanes (Trihalomethanes) (TTHM)</td>
<td>None Detected</td>
<td>2%</td>
<td>1.37 mg/L</td>
<td>None</td>
</tr>
<tr>
<td>Dichlorodifluoromethane (Freon 12)</td>
<td>0.40</td>
<td>0.50</td>
<td>0.50</td>
<td>None</td>
</tr>
<tr>
<td>Fluoride</td>
<td>1.37</td>
<td>0.50</td>
<td>0.50</td>
<td>None</td>
</tr>
<tr>
<td>Iron</td>
<td>2.67</td>
<td>1.00</td>
<td>1.00</td>
<td>None</td>
</tr>
<tr>
<td>Manganese</td>
<td>0.30</td>
<td>0.30</td>
<td>0.30</td>
<td>None</td>
</tr>
<tr>
<td>Sulfate</td>
<td>140</td>
<td>200</td>
<td>200</td>
<td>None</td>
</tr>
<tr>
<td>Chlorite</td>
<td>0.30</td>
<td>0.30</td>
<td>0.30</td>
<td>None</td>
</tr>
<tr>
<td>Sodium</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>None</td>
</tr>
<tr>
<td>Vanadium</td>
<td>4.00</td>
<td>4.00</td>
<td>4.00</td>
<td>None</td>
</tr>
<tr>
<td>Arsenic</td>
<td>5.00</td>
<td>5.00</td>
<td>5.00</td>
<td>None</td>
</tr>
<tr>
<td>Cadmium</td>
<td>5.00</td>
<td>5.00</td>
<td>5.00</td>
<td>None</td>
</tr>
<tr>
<td>Copper</td>
<td>1.32</td>
<td>1.32</td>
<td>1.32</td>
<td>None</td>
</tr>
<tr>
<td>Lead</td>
<td>0.25</td>
<td>0.25</td>
<td>0.25</td>
<td>None</td>
</tr>
<tr>
<td>Cadmium</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
<td>None</td>
</tr>
<tr>
<td>Uranium</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>None</td>
</tr>
<tr>
<td>Thiocyanate</td>
<td>0.05</td>
<td>0.05</td>
<td>0.05</td>
<td>None</td>
</tr>
<tr>
<td>Total Coliform Bacteria</td>
<td>230.02</td>
<td>200</td>
<td>200</td>
<td>None</td>
</tr>
<tr>
<td>Total Trihalomethanes (TTHM)</td>
<td>0.35</td>
<td>0.35</td>
<td>0.35</td>
<td>None</td>
</tr>
<tr>
<td>Trihalomethanes (TTHM)</td>
<td>2%</td>
<td>1.37 mg/L</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Trihalomethanes (TTHM)</td>
<td>0.35 mg/L</td>
<td>0.35 mg/L</td>
<td>0.35 mg/L</td>
<td>None</td>
</tr>
</tbody>
</table>

### Table: Health Risk

- **Health Risk:** Some people who drink water containing arsenic in excess of the MCL over many years may get bone disease, including pain and bone loss.
- **Health Risk:** Some men who drink water containing chromium-6 in excess of the action level may have an increased risk of developing cancer.
- **Health Risk:** Some people who drink water containing perchlorate in excess of the action level may have an increased risk of developmental effects on their children.
- **Health Risk:** Specific conductance may cause harm to aquatic life, but some people who drink water containing specific conductance in excess of the MCL over many years may experience mild sensory or taste effects.

### Table: Secondary Standards

- **Secondary Drinking Water Standard:** A level of a contaminant in drinking water which, if not met, could cause an aesthetic effect, such as taste or odor.
- **Secondary Drinking Water Standard:** Copper is an essential nutrient, but some people who drink water containing copper in excess of the MCL over many years may get skin irritation or dermatitis.
- **Secondary Drinking Water Standard:** Sodium is a naturally-occuring nutrient, but some people who drink water containing sodium in excess of the MCL over many years may get high blood pressure.

### Table: Unregulated Contaminants

- **Unregulated Contaminant:** The Safe Drinking Water Act requires health-related information be made available for contaminants not regulated by the USEPA.