

MT ROSE

2001

WQCCR-00066

WATER

quality report



2001 WATER QUALITY REPORT

How To Read This Water Quality Chart

The far left column, titled **Constituents**, lists the naturally occurring and man-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.

The second column, titled **Maximum Containment Level (MCL)**, is the highest level of a contaminant allowed in drinking water defined by the EPA. The third column, titled **Maximum Contaminant Level Goal (MCLG)**, is the level of a contaminant in drinking water in which there is no known or expected risk to health defined by the EPA. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

The subsequent columns show what contaminant level, if any, was contained in the indicated water sources. In most cases, your water comes from a blending of these supplies, meaning a blend of water from various wells. The map lists all the sources supplying a specific water system.

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

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants in drinking water does not necessarily indicate that the drinking water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA'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 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 (800-426-4791).

★ Nitrate Levels

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

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.

Glossary of Terms

In this report you may find terms or abbreviations you may not be familiar with. To help you better understand these terms we have provided the following definitions:

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

COLOR UNITS (CU) - is the standard unit of measure for water color.

MAXIMUM CONTAMINANT LEVEL (MCL) - is the highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) - is the level of a contaminant in drinking water in which there is no known or expected risk to health. MCLGs allow for a margin of safety.

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

MILLION FIBERS PER LITER (mfl) - is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

ND (Not Detected) - laboratory analysis indicates that the constituent is not present.

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

PICOCURIES PER LITER (pCi/L) - is a measure of water radioactivity.

THE SYMBOL "<" - means less than

CONSTITUENTS	MAXIMUM CONTAMINANT LEVEL (mg/L)	MAXIMUM CONTAMINANT LEVEL GOAL (mg/L)	ST. JAMES						TIMBERLINE WELL	
			MT. ROSE WELL #2	MT. ROSE WELL #3	MT. ROSE WELL #5	MT. ROSE WELL #6	ST. JAMES WELL #1	ST. JAMES WELL #2		
PRIMARY STANDARDS:										
Antimony	0.006	0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Arsenic	0.05	0.05	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
Asbestos (mfl)	7	zero								
Barium	2	2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Beryllium	0.004	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Cadmium	0.005	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Chromium	0.1	0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cyanide	0.2	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Fluoride	4	4	0.04	0.04	0.04	0.04	0.04	0.04	0.07	
Mercury	0.002	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Nickel	0.1	0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Nitrate (as N)	10	10	7.8*	5.3*	0.4	0.2	0.2	0.2	0.6	
Nitrite (as N)	1	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Selenium	0.05	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Thallium	0.002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
SECONDARY STANDARDS:										
Chloride	400	250	21	8	1	1	1	1	4	
Color	15	15	3	3	3	3	3	3	3	
Copper	1	1	0.01	0	0	0	0	0	0	
Fluoride	2	2	0.04	0.04	0.04	0.04	0.04	0.03	0.07	
Foaming Agents (MBAS)	0.5	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Iron	0.6	0.3	0.4	0	0.02	0.04	0.03	0.02	0.02	
Magnesium	150	150	12	10	8	11	14	11	16	
Manganese	0.1	0.05	0.01	0	0	0	0.02	0	0	
pH	6.5 to 8.5	6.5 to 8.5	7.0	7.2	7.8	7.3	7.2	7.4	8	
Sulfate	500	250	5	3	2	2	5	1	4	
Zinc	5	5	0.01	0	0.01	0.01	0.1	0.03	0.03	
Total Dissolved Solids	1000	500	225	166	149	165	184	149	204	
Lead	0.015	zero	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.009	
Hardness	No Standard	No Standard	114	91	78	88	113	88	126	
Calcium	No Standard	No Standard	26	20	18	17	22	17	24	
Potassium	No Standard	No Standard	7	4	5	6	4	4	4	
Sodium	No Standard	No Standard	13	10	9	13	11	12	11	
Silica	No Standard	No Standard	64	64	64	62	63	65	50	
RADIOCHEMISTRY (pCi/L)										
Gross Alpha Emitters	15	0	<3	<3	<3	<3	<3	<3	4	
Gross Beta/Photon Emitters	50	0	5	4	<3	5	6	4	6	
Radon	No Standard	0	990	1100	960	340	490	360	560	
MICROBIOLOGY (Samples collected from throughout the system)										
Total Coliform	1 positive sample/month	Zero positive samples	Coliform was not detected	Not detected						
LEAD AND COPPER (Samples collected from throughout the system)										
Lead			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Copper			0.62	0.62	0.62	0.62	0.62	0.62	0.57	
90TH PERCENTILE										
0.006										
1.3										

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.

The Environmental Protection Agency (EPA) has proposed to lower the Maximum Containment Level (MCL) for arsenic. The final MCL has not been decided, but is under review at this time.

This report provides water chemistry data for the period of July 1, 2000 to June 30, 2001.

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

Timberline

Timberline
STMGID Well #7

Mt. Rose

Mt. Rose
Well #2

Mt. Rose
Well #3

Mt. Rose Well #5

Mt. Rose Well #6

St. James Well #1

St. James

St. James
Well #2

MT. ROSE HWY

BORDEAUX DR

JOY LAKE RD

STATE ROUTE 431

