



# Clifton Water District Annual Water Quality Report 2006

We are pleased to have the opportunity to share with you this summary of our water quality that was delivered to you in 2006. All water utilities are required by the United States Environmental Protection Agency (USEPA) to publish an annual Water Quality Report. This report describes where your water comes from, what it contains and other information that can be useful to you as our customer.

In addition to the contents seen on the enclosed Water Quality Table, the Clifton Water District tested for over 100 other contaminants that were not detected. The Clifton Water District had an average effluent turbidity of 0.029 NTU for 2006.



*New pre-treatment facility*

The Clifton Water District is dedicated to providing all of our customers with a high quality

and safe water supply. If you have any questions about this report or any other concerns please feel free to contact Dale Tooker, Clifton Water District Manager, at 434-7328. or our Water Quality Laboratory at 434-7624. If you would like to attend our board meetings, they are held on the first Thursday, of every month, at 5:00 p.m., at the Water District Office located at 510 34 Rd, Clifton, Colorado.



# WATER QUALITY ANALYSIS 2006

## Organics and Inorganics

Organics and Inorganic	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
Barium	8/14/06	0.056	0.056	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride	8/17/06	0.88	0.88	ppm	4.0	4.0	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

## Turbidity

Turbidity	Sample Date	Level Found	TT Requirement	Likely Source of Contamination
Turbidity	7/20/06	0.104 NTU	Maximum 0.300NTU for any single measurement	Soil Runoff
Turbidity	Entire Year	100%	In any month, at least 95% of the samples must be less than 0.300 NTU	Soil Runoff

## Disinfection By Products

Disinfection By - Products	Date	Average	Range	Highest RAA	Unit	MCL	MCLG	Typical Source
Total Trihalomethanes (TTHM)	2006	29.1225	13.45 - 49.12	30	ppb	80	N/A	By-product of drinking water chlorination
Total Haloacetic Acids (HAA5)	2006	16.1825	8.23 - 24.8	20	ppb	60	N/A	By product of drinking water chlorination

## Total Organic Carbon

TOC	Compliance Factor	Lowest RAA (compliance factor)	RAA Range for the Year (compliance factor)	Typical Source
Total Organic Carbon	1.0	2.0	2.0 - 6.7	Naturally present in the environment

## Lead and Copper

Lead and Copper	Collection Date	90 <sup>th</sup> Percentile	Unit	AL	Typical Source
Copper	2005	0.078	ppm	1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	2005	2	ppb	15	Corrosion of household plumbing systems; Erosion of natural deposits

## Secondary Constituents

Secondary Contaminants/Other Monitoring	Collection Date	Highest Value	Range	Unit	Secondary Standard
Sodium	8/14/06	85.6	85.6	mg/L	10000

## Understanding the Water Quality Table

The Table above shows all of the EPA regulated substances that were detected in our water, even if it is only a minute concentration. The Table lists each of the contaminants, the sampling dates, whether or not the level is in violation, the amount detected, the unit of measurement, the maximum level allowed by law (MCL), the ideal goal (MCLG) and the sources of the contaminant. The most important areas of the Table are the Levels Detected and the definition of MCL and MCLG. The Maximum Contaminant Level (MCL) is the highest concentration of a contaminant that is allowed by law to be in the drinking water. The Maximum Contaminant Level Goal (MCLG) is the level of a contaminant in drinking water below which there is no known or expected health risk.

# Our Source Water

Clifton Water District is supplied by the Colorado River. The Colorado River is very dependable and has excellent water quality for a surface water supply. The Colorado River has three main tributaries, the Blue River, the Eagle River, and the Roaring Fork River. The area that comprises the Colorado River Basin also has a number of smaller contributing streams and reservoirs including: Dillon, Lake Grandby, Grand Lake, Shadow Mountain, Williams Fork, Willow Creek, Green Mountain, Vega, Wolford Mountain, and Ruedi. As with any water supply, it is required to be treated before it is delivered to you for consumption. This is the responsibility of the Clifton Water District. We continue to use advanced water treatment technology and dedicated employees to ensure that we accomplish this task day-in and day-out.

