

City of Colusa
2003 Water Quality Consumer Confidence Report
Public Water System Number 0610002

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

For additional information concerning your drinking water, contact **Ron S. Loudon** at **530-458-2032**

Water for the City of Colusa originates from five groundwater sources known as Well #2, Well #3, Well #4, Well #5, and Well #6.

DEFINITIONS OF SOME OF THE TERMS USED IN THIS REPORT:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is technologically, and economically feasible.

Primary Drinking Water Standards (PDWS): MCLs for contaminants that affect health along with their monitoring and reporting requirements, and surface water treatment requirements.

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the Federal Environmental Protection Agency (USEPA).

ppb: parts per billion or micrograms per liter

ppm: parts per million or milligrams per liter

nd: non detectable at testing limit

TDS: Total Dissolved Solids

MICROBIOLOGICAL WATER QUALITY:

Testing for bacteriological contaminants in the distribution system is required by State regulations. This testing is done regularly to verify that the water system is free from coliform bacteria. The minimum number of tests required per month is six. In our distribution system, we test the water once per month for coliform bacteria. The highest number of samples found to contain coliform bacteria during any one month in 2003 was one in December. No fecal coliform organisms were detected, and all follow up samples were negative for total and fecal coliform.

LEAD & COPPER TESTING RESULTS:

Lead & copper testing of water from individual taps in the distribution system is required by State regulations. The table below summarizes the most recent sampling for lead and copper.

	Year Tested	Number of samples collected	Number of samples required	90 th Percentile Result (ppb)	Action Level (ppb)
Lead	2003	20	20	<5	15
Copper	2003	20	20	80	1300

DETECTED CONTAMINATES IN OUR WATER:

The following table gives a list of all detected chemicals in our water during the most recent sampling. Please note that not all sampling is required annually so in some cases our results are more than one year old. These values are expressed in ppm unless otherwise stated.

As of 1/01/04

Chemical Detected	Source	Year Tested	Level Detected	MCL	PHG	Origin
Aluminum	Well 2	2001	489 ppb	1000	None	Erosion of natural deposits; residue from some surface water treatment process
Arsenic	Well 6	2001	5 ppb	50	None	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	71 ppb 45 ppb 85 ppb 86 ppb 56 ppb	1000	None	Erosion of natural deposits
Fluoride	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	148.8 ppm 146.3 ppm 175.3 ppm 176.1 ppm 114.0 ppm	1400	1000	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Iron	Well 2 Well 4	2001 2001	2000 ppb 62 ppb	300	None	Erosion of natural deposits
Manganese	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	99 ppb 82 ppb 97 ppb 48 ppb 44 ppb	50	None	Erosion of natural deposits
Hardness	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	77 ppm 68 ppm 95 ppm 70 ppm 48 ppm	None	None	Naturally occurring
Conductance	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	478 u/cm 447 u/cm 575 u/cm 479 u/cm 378 u/cm	2200	None	Substances that form ions in water.
TDS	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	335 ppm 326 ppm 401 ppm 342 ppm 279 ppm	1500	None	Naturally occurring
Chloride	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	20 ppm 28 ppm 47 ppm 29 ppm 20 ppm	600	None	Naturally occurring
Sulfate	Well 2 Well 3 Well 4 Well 5 Well 6	2001 2001 2001 2001 2001	17 ppm 8.3 ppm 40 ppm 28 ppm 2.5 ppm	600	None	Naturally occurring
Total Trihalomethanes	Well 6	1999	2.7 ppb	100	None	Disinfection by-product
Chloroform	Well 6	1999	2.7 ppb	100	None	Disinfection by-product

GENERAL INFORMATION ON DRINKING WATER:

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at 1-800-426-4791.

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 individuals, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The USEPA/Center for Disease Control guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

SOURCE WATER ASSESSMENT:

A source water assessment was completed by the City of Colusa on April 30, 2001. The assessment determined the contaminate hazards near the well sites which would most likely threaten it's water quality. For further information on this source water assessment, call Ron S. Loudon at (530) 458-2032.

Public Meetings

Regularly scheduled public meetings occur on the first and third Tuesday of every month at the City Hall located at 425 Webster St.

VIOLATION INFORMATION:

State records indicate the City of Colusa's Well 2 exceeds the MCL for iron and manganese. Wells 3 and 4 exceed the MCL for Manganese. Iron and manganese are on the State's Secondary Standards list of chemicals. There is no associated health risk for this level of manganese in the drinking water, and the State has requested no further action on our part at this time.

ADDITIONAL INFORMATION:

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