

# *Annual Water Quality Consumer Confidence Report*

**2006**

## **To Our Valued Customers:**

The enclosed information is a report of the quality and laboratory analysis of the drinking water that we delivered to you over the calendar year of 2006. The Tahoe City Public Utility District (TCPUD) wishes to provide you, the customer, with as much information about your water, as we possibly can. On page two you will find a table containing all detected contaminants in the water. Page three consists of general information on water quality, system identification, and different health effect language for various contaminants. The final page consists of a general map showing sources and basic system locations.

While TCPUD water is classified as either treated surface water or groundwater which comes from wells and springs deep within the earth, it is important for you to understand all potential sources of drinking water. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminations. The presence of contaminants doesn't necessarily indicate that water possesses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791). Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-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 from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- Microbial contaminants such as viruses and bacteria that may come from sewer plants, septic systems and wildlife.
- Inorganic contaminants such as salts and metals that can be naturally occurring or result from stormwater runoff.
- Pesticides and Herbicides, which may come from a variety of sources such as stormwater runoff and residential use.
- Organic chemical contaminants including synthetic and volatile organic chemicals that may be byproducts of industrial processes, gas stations, stormwater runoff, and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of mining activities.

In order to insure that tap water is safe to drink, USEPA and the California Department of Health Services (DHS) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for possible contaminants in bottled water that must provide the same protection for public health.

Should you have any questions or for any additional information please call the Utilities Superintendent, Tony Laliotis at (530) 583-3796, ext.36 or the USEPA Safe Drinking Water Hotline at (800) 426-4791. For general district information, expressing your views, or participating in the decision making process of the TCPUD you are welcome to attend any or all of our Board meetings. The District Board of Directors meeting schedule is available on our website ([www.tahoecitytud.com](http://www.tahoecitytud.com)) Agendas for up coming meetings may be requested from the District Clerk's office. For agendas or meeting information please contact Ginger Charlton at (530) 583-3796, ext. 15.



## *Information relating directly to our analysis for your clarity and understanding*

<u>Contaminant</u>	<u>Major Sources in Drinking Water</u>
Aluminum	Erosion of natural deposits
Arsenic	Erosion of natural deposits
Asbestos	Asbestos cement water delivery piping; erosion of natural deposits
Barium	Erosion of natural deposits
Cadmium	Internal corrosion of galvanized pipes; erosion of natural deposits
Chloride	Erosion of natural deposits
Chromium	Erosion of natural deposits
Coliform Bacteria	Naturally present in the environment
Copper	Erosion of natural deposits; internal corrosion of household plumbing
Fecal Coliform and E. coli Bacteria	Human and Animal Fecal Waste
Gross Alpha	Erosion of natural deposits
Haloacetic Acids	Byproduct of drinking water chlorination
Iron	Erosion of natural deposits; leaching from pipes
Lead	Erosion of natural deposits; internal corrosion of household plumbing
Manganese	Erosion of natural deposits
Sulfate	Erosion of natural deposits
Total Dissolved Solids	Erosion of natural deposits
Total Trihalomethanes	Byproduct of drinking water chlorination
Turbidity	Movement of sediments and minute deposits
Zinc	Erosion of natural deposits

### *Where does your water come from?*

All of the drinking water supplied to each water system, with the exception of the Quail Lake/McKinney Shores system, is classified as groundwater. Sources include wells and springs drilled deep into the ground, providing clean, high quality water that consistently meets all standards without significant treatment. The Quail Lake/McKinney Shores water system is comprised of both a treated surface water source and a groundwater source. We are comprised of four separately licensed and not connected water systems. The Tahoe City Main System serves all residents from Dollar Point, south to the Tahoe Tavern area. The Alpine Peaks System serves the area of Alpine Peaks only. The Quail Lake/McKinney Shores System serves the areas of Chamberlands, Chambers Landing, McKinney Shores, and Moana Circle. Lastly, the Rubicon System serves the areas of Meeks Bay, south to Bliss State Park. A Source Water Assessment for each active source was completed in January, March and May of 2003. The source(s) are considered most vulnerable to the following activities not associated with any detected contaminants: Sewer Collection Systems, Surface Water, Above Ground Storage Tanks, Transportation Corridors, Historic Gas Stations, and Water Supply Wells. There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source. Well construction and security measures should provide protection from most contaminating activities. Copies of all source water assessments are available for review at the TCPUD offices during regular business hours. Upon request, copies can be sent to individuals by contacting the Utilities Superintendent at (530) 583-3796 ext. 36.

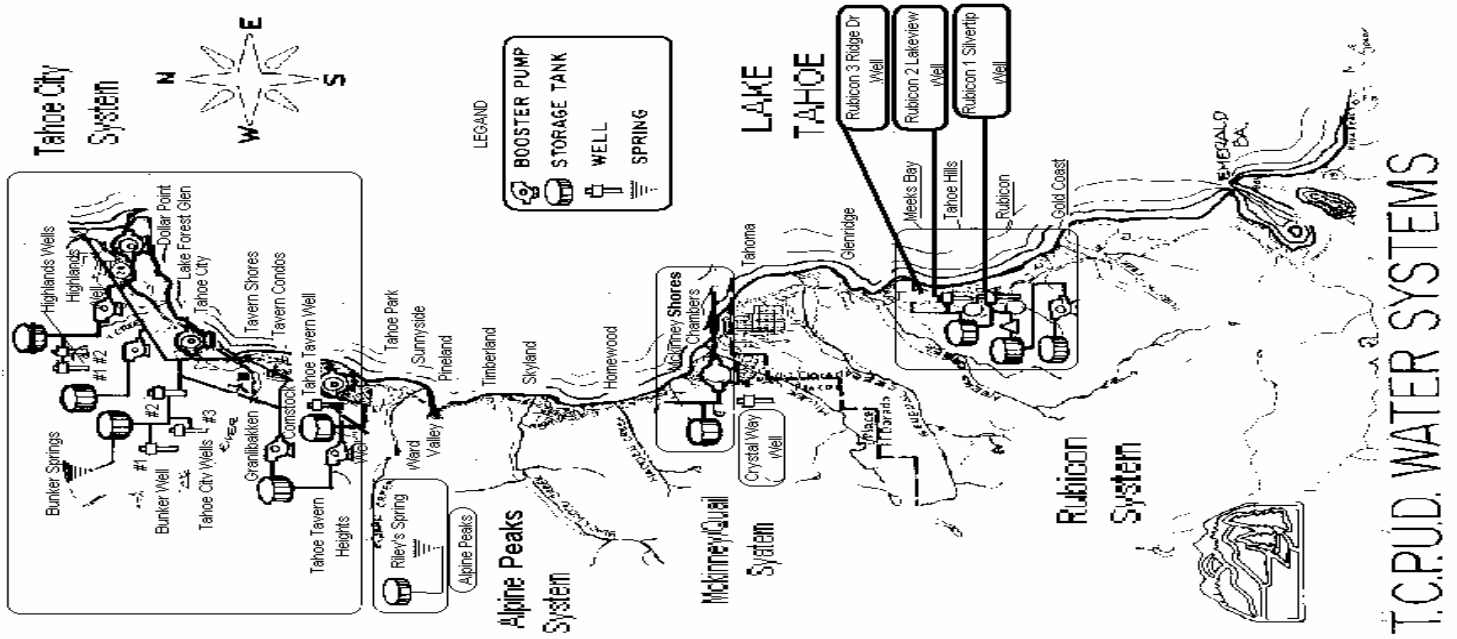
### **Rubicon Well #3 Iron Results**

For those customers in the Rubicon Water System, you may have noticed that the results for Iron were higher than the MCL for Rubicon Well #3 only. As Iron is a secondary contaminant, there are **no** associated health effects with this result. However, Iron can cause aesthetic issues such as metallic taste and discoloration of water. The Rubicon Well #3 is typically only used as a backup to Rubicon Well #1 and #2, and provided less than **half a percent** of the total water produced last year in the system. The TCPUD plans on performing additional work on the well to determine and correct the cause of the elevated Iron levels.

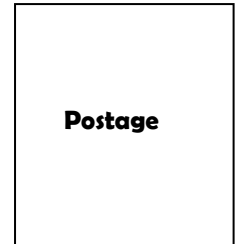
### *Health Effects and General Information*

**Arsenic:** While your drinking water meets the current standard for arsenic, it does contain low levels of arsenic. The standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The DHS continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

# Tahoe City Public Utility District



**Tahoe City Public Utility District**  
**P.O. Box 5249**  
**Tahoe City California 96145**



**Postage**

**Este informe contiene informacion sobre su agua beber.  
 Traduzcalo o hable con alguien que lo entienda bien.**