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## 2012 WATER QUALITY CONSUMER CONFIDENCE REPORT

The District is proud to present our annual Water Quality Consumer Confidence Report for 2012 and report that, as in years past, the District's tap water met or exceeded all State of California Department of Public Health and Federal drinking water health standards.

Customers served by Agate or Fulton Water Companies may find this information helpful if you frequent locations served by the District's system. Please review this report and feel free to contact us with any questions or concerns. We are proud to serve you and provide you with clean, reliable drinking water. Drink Tahoe Tap!



### GOT PILLS?

Coming Soon!! The Tahoe Truckee Future Without Drug Dependence (TT-FWD) partnership is pleased to announce that a Prescription Drug Disposal bin will be installed at the Placer County Sheriff's Office Substation at Burton Creek in the next few months. This will allow for safe disposal of prescription drugs year round. Watch the paper for an announcement on the ribbon cutting or go to <http://www.ttfwdd.com/rx-drug-abuse-prevention.php> and the North Tahoe Public Utility District Facebook page for information on when it is installed!

## KAYAK/SUP RACKS COMING 2014!

The District is working to construct racks for seasonal storage of personal kayaks and SUPs at the Coon Street Boat Launch. The storage racks will be available for a fee and would accommodate up to 25 kayaks and/or SUP's. The project is currently being prepared for Tahoe Regional Planning Association (TRPA) permitting. The next steps will be to meet with TRPA staff on the site to discuss the plan and to confirm the requirements that will need to be incorporated into the permit application. Once the project is permitted, the racks can be constructed and a management plan put in place. It is hoped the racks will be ready for use by Spring/Summer of 2014. Storage fees will pay for the construction of the racks and ultimately help offset maintenance costs of the park and launch site. Watch our newsletter and Facebook page for updates on this exciting lakefront project!



An example of the kayak racks planned for Coon Street.

## ULTRA-LOW-FLOW TOILET CREDIT REBATE PROGRAM



Funds are still available for the District's Ultra-Low Flow Toilet Rebate program funded by a grant through California Proposition 84 funds for water conservation. If you purchased an ultra-low-flow toilet after August 16, 2011 or wish to upgrade the toilets in your home, visit the District's website to download the details and the application. The District has also begun accepting applications from Commercial Property Owners.



# North Tahoe Public Utility District Quarterly Newsletter—Summer



Volume 5, Issue 3, June 2013

En Español Llamar, (530) 546-4212

### In this Issue:

- 2012 Water Quality Consumer Confidence Report.
- Get out on the Lake—District Concessionaires
- Summer Events In the District
- Park and Facilities Dept. Update
- Kayak/SUP rack planning
- Ultra-Low Flow Toilet Rebate Program Update
- Prescription Drug Drop Off Bin Coming to Tahoe

## SUMMER 2013 BOAT LAUNCH UPDATE

Tahoe Vista Recreation Area (TVRA) boat launch and its new parking lot across the street has opened in spite of shallow waters at the entrance to the marina. The sand bar across the mouth of the basin is the shallowest area and was measured at 2.5 feet at the time of writing with the Lake level at 6226.32 feet. On both sides of the sand bar, water levels measured between 4.5 and 5 feet. The launch is open for use at boater's own risk and they are advised to walk their boats across the shallowest area. Updates will be posted on the TVRA Facebook page and our website.

The TVRA boat launch will be open from 7:00 AM to 7:00 PM, 7 days a week, weather dependent. Be sure that your boat has been inspected and sealed before arriving at the launch. For more information about the Lake Tahoe Invasive Species Inspection Program go to [www.tahoebotinspections.com](http://www.tahoebotinspections.com)



Tahoe Vista Recreation Area  
Photo by Daphne Hougard

The gates at the launch ramp will be closed and locked at closing time so boaters should be sure to return to the launch prior to closing. In addition, certificated staff will not be available to re-seal the boat and trailer upon exit from the Lake which will require another inspection prior to launch.



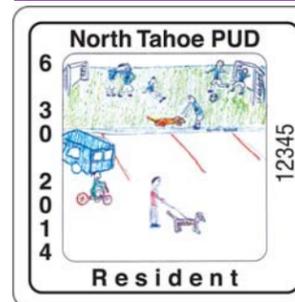
TVRA Boat Launch, May 24

The Launch and Parking fee is \$15.00 for residents and \$20.00 for non-residents. Vehicle only parking is \$5.00 for residents and \$10.00 for non-residents.

Due to low lake levels, Coon Street Boat Launch will not open this season.

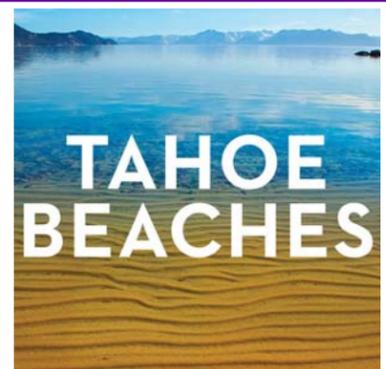
## 2012-2014 RESIDENT'S BENEFIT STICKERS

If you haven't picked up the 2012-2014 Resident's Benefit Stickers, they are available for pick up at the District offices OR you can submit the application by mail and have the stickers mailed to you. The stickers must be affixed to your windshield in order to receive Resident's parking discounts. More information and the application are available on the Resident's Benefit page at [www.northtahoe.com](http://www.northtahoe.com)



## TAHOE FUND LAUNCHES A NEW TAHOE BEACHES APP

The new, free Tahoe Beaches App features more than 50 public Tahoe beaches and allows users to search by distance from current location and a list of features such as barbecues, boat rentals, pet restrictions and public transportation. The Tahoe Beaches App is available for free on both Apple and Android phones and is available in their respective App Stores. To learn more or to download the app, please visit [www.tahoepublicbeaches.com](http://www.tahoepublicbeaches.com)



## GET OUT ON THE LAKE!

The District contracts with two concessionaires to offer water sport equipment rentals and services to locals and visitors who enjoy taking advantage of fun on the water. A portion of their fees come back to the District and support the maintenance of the beach, restrooms, boat launches and parking lots. Don't forget to ask for your Resident's Benefit Program discount if you are a resident of the District!



Tahoe Adventure Company [www.tahoeadventurecompany.com](http://www.tahoeadventurecompany.com) (530-913-9212) provides Lake Tahoe kayak tours and "on the beach" rentals of both kayaks and Stand Up Paddle Boards (SUP) at Tahoe Vista Recreation Area. Corporate team building and mountain bike tours are other fun options provided in a safe and professional way. Visit their website for more information on their many Lake Tahoe tours and activities!

North Tahoe Watersports

North Tahoe Water Sports [www.northtahoewatersports.com](http://www.northtahoewatersports.com) is located on the beach at Kings Beach State Recreation Area and provides parasailing, personal watercraft rentals, kayaks, SUPs, pedal boats and aqua cycle trikes.

This summer, get out and have fun on the Lake! You are supporting local businesses and our Parks too!



## LOTS OF ACTIVITY COMING TO OUR BEACHES AND PARKS!

This Summer an abundance of events and activities will take place within the District. The World's Most Beautiful Bike Ride kicks off the Summer event season by bringing visitors from all over the country to ride around Lake Tahoe and have lunch at Kings Beach State Recreation Area. The lake front activities continue with the Tuesday Farmers' Markets, Friday Music on the Beach, two car shows, Arts and Craft Fairs, Fine Arts Fairs, two SUP competitions, and an open water swim event. The exciting summer of lakefront events will wrap up with the first ever IRONMAN Lake Tahoe on September 22!



Kings Beach State Recreation Area will host 2 car shows this summer.

The North Tahoe Regional Park will welcome two disc golf tournaments, three youth baseball tournaments, a national fast-pitch softball tournament, monthly star-watch parties, a Lacrosse tournament, a college Lacrosse training camp, and competitive baseball games on most week-ends. Taking place on September 8, is the second annual Dog Day In the Park, a fun and educational fundraiser that benefits the entire community. Whether a spectator or a participant you can always find something to do!

The District is pleased to be able to bring these many events to our area. Not only do they bring visitors to our area to support our community, but they also provide events for our residents to enjoy and the fees paid help to support our Parks.

These events and others are listed on the calendar at [www.northtahoeparks.com](http://www.northtahoeparks.com)

**“Like” us on Facebook!**

- North Tahoe Public Utility District
- Coon Street Boat Launch
- North Tahoe Regional Park
- Tahoe Vista Recreation Area
- Kings Beach State Recreation Area
- North Tahoe Event Center

## PARK AND FACILITIES DEPARTMENT HELPS PEOPLE GO OUT AND PLAY

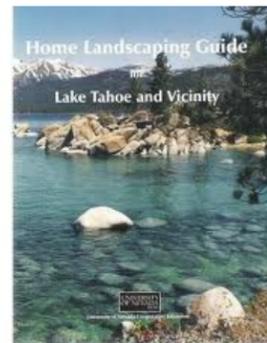
The Park and Facilities Department provides management and maintenance of over 300 acres of land which includes public parks, beaches and buildings within the District. These facilities are provided for public recreation and lake access and includes properties owned by District (North Tahoe Event Center, North Tahoe Regional Park and Tahoe Vista Recreation Area) as well as by the California Tahoe Conservancy, Placer County Parks Department, State of California Department of Boating and Waterways,



California State Parks and Recreation, Tahoe Truckee Unified School District and Kings Beach Little League.

The North Tahoe Event Center [www.northtahoeevents.com](http://www.northtahoeevents.com) provides space for recreation classes, meetings, special events, weddings and conferences. The North Tahoe Regional Park [www.northtahoeparks.com](http://www.northtahoeparks.com) provides a disc golf course, athletic fields, picnic areas, trails, tennis courts and a children's playground for residents and non-residents to recreate. The District's newest facility, the Tahoe Vista Recreation Area, provides boat launching and beach recreation as well as a concessionaire, [www.tahoeadventurecompany.com](http://www.tahoeadventurecompany.com), who rents kayaks and SUPs and provides tours and team building events.

The Department consists of eight full-time staff and approximately 10-16 Summer seasonal employees. The maintenance supplies, staff and administrative expenses are funded by a Community Facilities



**COMING LATER THIS SUMMER...WATER WISE LANDSCAPING AND SUSTAINABLE TURF CARE WORKSHOP!** Watch the District's website and Facebook page for more information, details and the date. Pick up your free Tahoe Home Landscaping Guide at the District Offices now!

District (CFD) parcel assessment, parking and boat launch user fees, commissions paid by concessionaires, facility reservation fees and maintenance contracts.



North Tahoe Regional Park Playground

Historically, 25% of the CFD funds and free use of facilities are contributed to the Boys and Girls Club of North Lake Tahoe to support recreation for District youth.

Funding for capital improvements is dependent on grant funding obtained through grant writing by staff or by volunteers supporting specific projects.

**Dig Season is Upon Us...DIG SAFELY**  
**Call 8-1-1 at least two working days before you dig.**

The District's *Friends of the Park Fund*, managed by the Tahoe Truckee Community Foundation, was created as an opportunity for tourists and community members to augment projects and make enhancements to the North Tahoe Regional Park through their tax deductible donations.



The Park and Facilities Division of the North Tahoe Public Utility District is committed to providing safe, fun and welcoming beaches, boat launches, parks and trails for community members and visitors to the North Shore. Go Out and Play!

## Terms and Abbreviations Used in this Report

**MCL:** Maximum Contaminant Level is the highest level of a contaminant that is allowed in drinking water. The MCL is set as close to the MCLG as feasible using the best available treatment technology.

**MCLG:** Maximum Contaminant Level Goal is the level of a contaminant in drinking water below which there is not known or expected risk to health. MCLGs allow for a margin of safety.

**MRDL:** Maximum Residual Disinfection Level Goal is the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**PHG:** Public Health Goal is 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.

**PPB:** Parts Per Billion, parts contaminant for every 1 billion parts of water.

**PPM:** Parts Per Million, parts contaminant for every 1 million parts of water.

**T:** Number of tests for bacteria (Laboratory analysis)

**A:** Number of tests absent of bacteria

**P:** Number of tests detecting presence of bacteria

**<:** Less Than

**>:** Greater Than

**RAA:** Running Annual Average

**N/A:** Not Applicable

**ND:** Not Detected, indicates contaminant was not detected in the water source.

**N/R:** Not Regulated or Not Required

**MRDLG:** Maximum Residual Disinfection Level Goal is the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**ug/L:** Micro grams Per Liter (Parts Per Million)

**pCi/L:** Picrouries Per Liter: Measures of radioactivity per 1 light scattering.

**TT:** Treatment Technique: A required process intended to reduce the level of contaminant.

**Units:** Number of units measured

**uS:** Microsiemens are the measure of electrical current through a solution.



## NORTH TAHOE PUBLIC UTILITY DISTRICT ANNUAL WATER QUALITY CONSUMER CONFIDENCE REPORT FOR 2012

**To Our Customers:** This report contains important information about your drinking water. Translate it, speak with someone who understands it, or contact the District to receive a translated copy.

Este informe contiene información muy importante sobre la calidad de su agua potable. Por favor lea este informe o comuníquese con alguien que pueda traducir la información.

**For Your Information** Our Board of Directors meets on the second Tuesday of each month at the North Tahoe Event Center. We encourage participation in these meetings. For meeting times and agendas please contact the District's main office, (530) 546-4212, or visit our website [www.ntpud.org](http://www.ntpud.org)

**To obtain specific water quality or watershed data** contact Ken Fischer, Water Quality Technician at (530) 546-4212 ext. 5453, or [kfischer@ntpud.org](mailto:kfischer@ntpud.org). Visit [www.ntpud.org](http://www.ntpud.org) to find more information.

### Where does my water come from?

The North Tahoe Public Utility District services nearly 3,888 connections. These connections include single family dwellings and business establishments, as well as separate irrigation and fire systems. The District operates three separate and independent water systems: Dollar Cove, Carnelian Bay, and the Tahoe Main system, comprised of Tahoe Vista, Kings Beach, and Brockway to the Nevada State Line. Dollar Cove is currently being supplied through the Tahoe City Public Utility District's Tahoe City system, by agreement of a joint well drilling project of the two Districts that is comprised of five separate wells (groundwater source). Carnelian Bay draws its water from a single well (groundwater source). The Tahoe main water system draws water from Lake Tahoe (surface water source) through an intake at the end of National Avenue in Tahoe Vista, as well as a single well (groundwater source) located in the North Tahoe Regional Park at the top of Donner Road. These combined sources supplied just over 453.79 million gallons of water to our customers in 2012.

### How can I keep our drinking water safe and clean?

The drinking water that the District treats and provides for its customers comes from wells as well as the open water of Lake Tahoe. Many people don't see the link between the water you drink and the items that are put into the sewer system, but when people dispose of their waste incorrectly it threatens the safety of our drinking water as well. In the Tahoe basin, our storm drain system does not put runoff into the sewer system like so many other communities in this country. Most of the storm drains actually drain directly into the Lake! In addition to protecting our sewers, it is also extremely important that under no circumstances may substances be put directly into the storm drain. Most liquid and automotive waste (oil, old gasoline) can be disposed of at one of the hazardous waste disposal days provided by Placer County and Tahoe Truckee Sierra Disposal at the Eastern Regional Landfill on Cabin Creek Road off of Highway 89.

### Why are there contaminants in my drinking water?

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 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 (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. **Microbial contaminants**, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; **Inorganic contaminants**, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. **Pesticides and Herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; **Organic chemical contaminants**, including synthetic and **volatile organic chemicals**, that are byproducts of industrial process and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA and the Calif. Dept. of Public Health, Division of Drinking Water and Environmental Management (Department), prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. We treat our water according to their regulations. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water that must provide the same protection for public health

### Source water assessment and its availability

Our most recent watershed sanitary survey (Lake Tahoe) update is 2009.

Although the North Tahoe Basin sewage flows to Truckee and is treated, domestic sewage and wastewater disposal and collection are potentially contaminating activities (PCA) of key concern. Summer recreation on the lake is another PCA of key concern. The District does not have direct regulatory control or enforcement over the Lake Tahoe watershed. We rely on the regulatory powers of the Tahoe Regional Planning Agency (TRPA) and Lahontan Regional Water Quality Control Board (RWQCB).



### Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The North Tahoe Public Utility District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by running your tap for 30 seconds to 2 minutes before using water for drinking or cooking. Capture and use this water for household or garden plants. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>

### LEAK PREVENTION TIPS AND THE IMPORTANCE OF SHUT-OFF VALVES



Gate Valve

**Don't wait for an emergency.** Always know how to shut off the water supply to your entire house, or parts of it. Knowing the location of a your shut-off valve could save thousands of dollars in damage. Everyone in your house should know where your valves are located and the direction they need to be turned to stop the flow.

**The main shut-off valve** is usually found in the front or back of your house where the water comes in from the water meter. Commonly this would be in the garage, basement, or crawl space just inside the foundation, often near the front faucet. It's called a gate valve and most types look like a wheel. Putting a few drops of household oil on the handle threads annually will help keep it from corroding and to assure it will turn in case of an emergency.

**In many of the condominiums** the main shut-off valve for an individual unit may be located in a bathroom or pantry. The association's maintenance personnel should be able to show you your unit's location.

**Most fixtures** such as water heaters, dishwashers, sinks and toilets, have individual shut-off valves on the water lines leading to a fixture. If a problem occurs, you can turn the water supply off and still have water to the rest of the house. You'd be surprised to know how many people don't think of this.

**Before a problem arises**, be sure you have a main shut-off valve. Occasionally older homes have no way to shut off the water; it's rare, but possible. Contact a plumber to have a gate valve installed. They're easier to find, faster to use and require no tools. In an emergency these are all important features.

**Water Quality Data**

This system tables list all the drinking water contaminants that were tested for during the 2012 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1—December 31, 20102 The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. See reverse for Terms and Abbreviations used in the report.

**\*About our Coliform Violation:**

The District routinely monitors for drinking water contaminants. In the Carnelian Woods system, a single routine sample collected on September 18, 2012, tested positive for total coliform bacteria. Three of four repeat samples collected on September 20, 2012, also tested positive for total coliform bacteria. This constituted a failure of the total coliform standards. Following the failure of the total coliform standards, the water system was disinfected and flushed beginning September 21, 2012. After the District received results from four samples collected on September 24, 2012, indicating that coliform bacteria were no longer present in the system, the chlorination was discontinued. Five subsequent samples collected on October 30, 2012, also tested absent for total coliform bacteria, indicating that the source of the contamination had been eliminated.

**Do I need to take special precautions?**

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 from infections. These people should seek advice about drinking water from their health care providers. EPA/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 (800-426-4791)**.

**Detected Compounds**

**Terms and Abbreviations on next page.**

Contaminant (UNITS)

**Primary Standards**

**Microbiological Monitoring**

Total Coliforms ( I / A / P )

E-Coli ( I / A / P )

**Radioactive**

Radon 222 (pCi/L)

Radium 228 (pCi/L)

Gross Alpha (pCi/L)

**Inorganic**

Nitrate - As N (ppm)

Nitrite \_ As NO3 (ppm)

Perchlorate (ppb)

Aluminum (ug/L)

Barium (ug/L)

Chromium (ug/L)

**Disinfection By-Products**

Chlorine (ppm)

**Disinfection By-Products**

Total Trihalomethanes (ppm)

Haloacetic Acids (ppm)

**Secondary Standards**

**Clarity & Taste**

Turbidity (NTU) - Treated Water

Turbidity (NTU) - Raw Source

Bicarbonate as HCO3 (ppm)

Calcium (ppm)

Chloride (ppm)

Copper (ug/L)

Iron (ppb)

Magnesium (ppm)

Manganese (ppm)

Methyl-tert-butyl-ether (ppm)

PH - Disired range:

Sodium (ppm)

Specific Conductance [EC] (uS)

Sulfate (ppm)

Total Alkalinity [as CaCO3] (ppm)

Total Dissolved Solids (ppm)

Total Hardness [as CaCO3] (ppm)

**LEAD AND COPPER**

LEAD (ug/L)

Copper (ug/L)

The State allows us to monitor contaminants less than once per year because the concentrations of these contaminates do not change frequently. Some of our data, though representative, are more than one year old. If a substance or contaminant is not listed, it is either not detected limit or not required to sampled.

Identify your system >				Tahoe Main System System #33110001		Carnelian Woods System #3110023	Dollar Cove System #3110036		Tahoe City PUD water supply to NTPUD consists of Highlands Well #1 #2, T.C. Well #2 #3, Tahoe Tavern Well		
Contaminant (UNITS)	Sample Year	MLC	PHG (MCLG)	Lake Tahoe Nat'l Ave	Groundwater Park Well	Groundwater Park Well	Groundwater Tahoe City PUD	Groundwater Tahoe City PUD	Violation	Major Source in Drinking Water	
<b>Microbiological Monitoring</b>											
Total Coliforms ( <u>I</u> / <u>A</u> / <u>P</u> )	2012	1	( 0 )	152 <u>I</u> / 152 <u>A</u> / 0 <u>P</u>		21 <u>I</u> / 17 <u>A</u> / <b>4P*</b>	130 <u>I</u> / 130 <u>A</u> / 0 <u>P</u>		YES	Naturally Present in the environment (See Coliform violation)	
E-Coli ( <u>I</u> / <u>A</u> / <u>P</u> )	2012	1	( 0 )	152 <u>I</u> / 152 <u>A</u> / 0 <u>P</u>		21 <u>I</u> / 21 <u>A</u> / 0 <u>P</u>	130 <u>I</u> / 130 <u>A</u> / 0 <u>P</u>		NO	Human and Animal Fecal Waste	
<b>Radioactive</b>											
Radon 222 (pCi/L)	2003	N/A	N/A	NR	NR	NR	547/1190/NS/1230/1120		N/A	Erosion of natural deposits	
Radium 228 (pCi/L)	2012	5	0.019	ND/0.000	NR	NR	NR		NO	Erosion of natural deposits	
Gross Alpha (pCi/L)	2008	15	(0)	ND	NR	NR	NR		NO	Erosion of natural deposits	
<b>Inorganic</b>											
Nitrate - As N (ppm)	2012	1(AS-N)	1(AS-N)	0.07	0.12	ND	NR		NO	Runoff & leaching from fertilizers, septic tanks, sewage	
Nitrite _ As NO3 (ppm)	2012	45 (NO3)	45 (NO3)	ND	ND	NR	NR		NO	Runoff & leaching from fertilizers, septic tanks, sewage	
Perchlorate (ppb)	2010	0.006	6	ND	ND	ND	NR		NO	Production of matches, flares, explosives, pyrotechnics	
Aluminum (ug/L)	2007	1000	600	363	ND	ND	NR		NO	Erosion of natural deposits	
Barium (ug/L)	2007	1000	(2) mg/L	13.1	45.8	22.7	NR		NO	Oil drilling wastes, Erosion of natural deposits	
Chromium (ug/L)	2007	50	(100)	ND	NR	ND	NR		NO	Discharge from steel & pulp mills, chrome plating	
<b>Disinfection By-Products</b>											
Chlorine (ppm)	2012	[MRDL=4.0(as Cl2)]		0.68-0.89 Annual RAA = 0.81		NR	0.0-1.12 RAA = 0.47		NO	Drinking water disinfectant added for treatment	
				<b>Tahoe Main System #311001</b>		<b>Site #1 Quarterly</b>	<b>Site #2 Annual</b>				
Total Trihalomethanes (ppm)	2012	0.080	1000	5.1-9.9 Annual RAA = 8.9		25	0.83		NO	By products of drinking water disinfection	
Haloacetic Acids (ppm)	2012	0.060	1000	3.7-4.9 Annual RAA = 4.1		6.9	NR		NO	By products of drinking water disinfection	
<b>Aesthetic Standards Established by the State of California, Department of Health Services</b>											
<b>Clarity &amp; Taste</b>											
Turbidity (NTU) - Treated Water	2012	<0.5 NTU	NS	AVG. .130-.236	NR	NR	2005 ND/ND/0.35/0.3/0.6		NO	Soil runoff (erosion)	
Turbidity (NTU) - Raw Source	2012	TT/5 95% None/	NS	AVG. .126-.227	NR	NR	NR		NO	Soil runoff (erosion)	
Bicarbonate as HCO3 (ppm)	2007	ppm	N/A	54.8	135	212	NR		NO	Erosion of natural deposits	
Calcium (ppm)	2007	N/A	N/A	7	18.3	17.2	(2005) 7.6/8.1/ND/ND/17		NO	Erosion of natural deposits	
Chloride (ppm)	2007	500	N/A	1.8	0.7	0.7	(2005)0.5/0.5/0.4/0.3/3.5		NO	Erosion of natural deposits	
Copper (ug/L)	2007	1000	160	14	ND	ND	NR		NO	Erosion of natural deposits	
Iron (ppb)	2007	300	ND	ND	ND	42	(2011)ND/125/ND/ND/ND		NO	Erosion of natural deposits	
Magnesium (ppm)	2007	N/A	N/A	2.1	6.7	8.6	NR		NO	Erosion of natural deposits	
Manganese (ppm)	2007	50	N/A	13	ND	ND	(2005) ND		NO	Erosion of natural deposits	
Methyl-tert-butyl-ether (ppm)	2007	0.0005	5ug/L	ND	ND	ND	NR		NO	Leaking underground fuel tanks	
PH - Disired range:	2007	6.5-8.5	N/A	8.2	8.9	7.3	NR		NO	Erosion of natural deposits, Some water treatment	
Sodium (ppm)	2007	N/A	N/a	5.9	12.1	5.3	(2005)14.7/10.5/4.7/4.6/4.9		NO	Erosion of natural deposits	
Specific Conductance [EC] (uS)	2007	1600	N/A	93.8	198	184	(2011)170/170/140/140/180		NO	Substances that form ions when in water	
Sulfate (ppm)	2007	500	N/A	1.8	0.3	0.3	(2005)1.4/1/1.9/2.6/0.3		NO	Erosion of natural deposits	
Total Alkalinity [as CaCO3] (ppm)	2007	N/A	N/A	44.9	110	99.3	(2005)91.4/81.7/75.4/68.8/88.5		NO	Erosion of natural deposits	
Total Dissolved Solids (ppm)	2007	1000	N/A	30	141	108	(2005)139/139/98/96/77		NO	Erosion of natural deposits	
Total Hardness [as CaCO3] (ppm)	2007	N/A	N/A	26	73	78	(2005)43/44/ND/53/74		NO	Erosion of natural deposits	
				<b>Action Level</b>		<b>MCL</b>					
				20 Samples 90th Percentile		10 Samples 90th Percentile	10 Samples 90th Percentile				
LEAD (ug/L)	2010	15	15	2.2		5.3	20			Internal corrosion-plumbing; erosion natural deposits.	
Copper (ug/L)	2010	1300	1300	70		295	51			Corrosion of household plumbing systems.	