103367309999 Lake Tahoe Interagency Monitoring Program Quality Assurance For Nevada Stations

Truckee Basin
Lake Tahoe Subbasin

LOCATION.--Lat 39°05′15″, long 119°56′20″ referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.10, T.14 N., R.18 E., Douglas County, NV, Hydrologic Unit 16050101, location information does not represent actual location of sampling site.

WATER-QUALITY RECORDS

REMARKS.--Nutrient samples were analyzed by the University of California, Davis Tahoe Research Group and represent quality assurance data associated with each routine sampling event of the Lake Tahoe Interagency Monitoring Program. Samples are not associated with specific site locations. For site specific environmental data associated with the Lake Tahoe Interagency Monitoring Program, refer to Upper Truckee River At South Upper Truckee Road Near Meyers, CA (10336580), Upper Truckee River At Highway 50 Above Meyers CA (103366092), Upper Truckee River At South Lake Tahoe, CA (10336610), General Creek Near Meeks Bay, CA (10336645), Blackwood Creek Near Tahoe City, CA (10336660), Ward Creek Below Confluence Near Tahoe City CA (10336674), Ward Creek At Highway 89 Near Tahoe Pines, CA (10336676), Third Creek Near Crystal Bay, NV (10336698), Incline Creek Above Tyrol Village Near Incline Village, NV (103366993), Incline Creek Near Crystal Bay, NV (10336700), Glenbrook Creek At Glenbrook, NV (10336730), Logan House Creek Near Glenbrook, NV (10336740), Eagle Rock Creek Near Stateline, NV (103367592), Edgewood Creek At Stateline, NV (10336760), Trout Creek At U.S. Forest Service Road 12N01 Near Meyers, CA (10336770), Trout Creek At Pioneer Trail Near South Lake Tahoe, CA (10336775) , Trout Creek At South Lake Tahoe, CA (10336790), Truckee River At Tahoe City, CA (10337500). The original hydrazine method used to determine nitrate plus nitrite concentrations (parameters 00631 and 00630) was found to have interferences caused by calcium and magnesium in stream water samples. The nitrate plus nitrite concentrations under parameters 99911 and 99910 are based on a laboratory method that uses pyrophosphate to remove interferences caused by calcium and magnesium. This method has replaced the original hydrazine method as of December 2008. Parameter code 00623, filtered ammonia plus organic nitrogen (dissolved Kjeldahl nitrogen) was discontinued in April 2011.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 3

[N, nitrogen; P, phosphorus; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; U, analyzed for but not detected]

Date	Sample start time	Medium name	Sample type	Type of blank sample (99102)	Specific conduc-tance, water, unfiltered, µS/cm at 25 °C (00095)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)
10-08-2010	1635	QC sample - Artificial	Blank	Source solution	2	--	.07	--
10-08-2010	1640	QC sample - Artificial	Blank	Field	2	< .04	< .04	.003
11-04-2010	1450	QC sample - Artificial	Blank	Source solution	2	--	< .04	--
11-04-2010	1455	QC sample - Artificial	Blank	Field	2	< .04	< .04	< .003
01-06-2011	1300	QC sample - Artificial	Blank	Source solution	2	--	< .04	--
01-06-2011	1305	QC sample - Artificial	Blank	Field	4	U	< .04	.003
04-08-2011	1200	QC sample - Artificial	Blank	Source solution	2	--	< .04	--
04-08-2011	1205	QC sample - Artificial	Blank	Field	2	--	< .04	.003
05-02-2011	1715	QC sample - Artificial	Blank	Source solution	2	--	U	--
05-02-2011	1720	QC sample - Artificial	Blank	Field	--	--	U	< .003
07-06-2011	1515	QC sample - Artificial	Blank	Source solution	--	--	U	--
07-06-2011	1520	QC sample - Artificial	Blank	Field	--	--	< .04	.003
08-09-2011	1630	QC sample - Artificial	Blank	Source solution	2	--	U	--
08-09-2011	1635	QC sample - Artificial	Blank	Field	2	--	U	< .003

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 103367309999, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/103367309999.2011.pdf

103367309999 Lake Tahoe Interagency Monitoring Program Quality Assurance For Nevada Stations—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 3

[N, nitrogen; P, phosphorus; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; U, analyzed for but not detected]

Date	Sample start time	Ammonia, water, unfiltered, mg/L as N (00610)	Nitrate plus nitrite, water, filtered, mg/L as N (99911)	Nitrate plus nitrite, water, unfiltered, mg/L as N (99910)	Orthophos-phate, water, filtered, mg/L as P (00671)	Orthophos-phate, water, unfiltered, mg/L as P (70507)	Phos-phorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Iron (biologic-ally reactive), water, filtered, µg/L (63673)
10-08-2010	***1635***	< .003	--	U	--	.001	--	.004	--
10-08-2010	***1640***	< .003	U	U	< .001	.002	.004	.003	5
11-04-2010	***1450***	< .003	--	< .002	--	.007	--	.002	--
11-04-2010	***1455***	< .003	< .002	< .002	.001	.005	< .002	< .002	< 3
01-06-2011	***1300***	.004	--	< .002	--	.001	--	.003	--
01-06-2011	***1305***	.004	< .002	< .002	.001	.001	< .002	< .002	4
04-08-2011	***1200***	< .003	--	< .002	--	< .001	--	.002	--
04-08-2011	***1205***	--	< .002	--	< .001	--	.004	.002	--
05-02-2011	***1715***	< .003	--	.003	--	< .001	--	< .002	--
05-02-2011	***1720***	--	.003	--	U	--	< .002	< .002	--
07-06-2011	***1515***	< .003	--	U	--	U	--	.003	--
07-06-2011	***1520***	--	U	--	U	--	.003	.003	--
08-09-2011	***1630***	< .003	--	< .002	--	.001	--	.003	--
08-09-2011	***1635***	--	< .002	--	< .001	--	.003	.003	--

103367309999 Lake Tahoe Interagency Monitoring Program Quality Assurance For Nevada Stations—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

[N, nitrogen; P, phosphorus; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; U, analyzed for but not detected]

Date	Sample start time	Iron (biologically reactive), water, unfiltered, µg/L (46568)
10-08-2010	***1635***	*7*
10-08-2010	***1640***	*6*
11-04-2010	***1450***	*< 3*
11-04-2010	***1455***	*< 3*
01-06-2011	***1300***	*< 3*
01-06-2011	***1305***	*< 3*
04-08-2011	***1200***	--
04-08-2011	***1205***	--
05-02-2011	***1715***	--
05-02-2011	***1720***	--
07-06-2011	***1515***	--
07-06-2011	***1520***	--
08-09-2011	***1630***	--
08-09-2011	***1635***	--