Water-Data Report 2011

10336770 Trout Creek At U.S. Forest Service Road 12N01 Near Meyers, CA

Truckee Basin
Lake Tahoe Subbasin

LOCATION.--Lat 38°51′48″, long 119°57′26″ referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.26, T.12 N., R.18 E., El Dorado County, CA, Hydrologic Unit 16050101, on right bank, 50 ft downstream from U.S. Forest Service Road 12N01, about 2.2 mi upstream from confluence of Saxon Creek, and 2.6 mi northeast of Meyers.

DRAINAGE AREA.--7.4 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1990 to Mar. 2011 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,850 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. See schematic diagram of Truckee River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 300 ft^3/s, Dec. 31, 2005, gage height, 7.00 ft, based on rating extended above 175 ft^3/s; minimum daily, 1.9 ft^3/s, Dec. 21, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and (or) maximum (*) during period Oct. to Mar.:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 24	1930	*162	*5.67

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 10336770, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/10336770.2011.pdf

10336770 Trout Creek At U.S. Forest Service Road 12N01 Near Meyers, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

[e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.2	6.2	5.8	e6.2	&6.1	5.8	---	---	---	---	---	---
2	5.5	6.1	5.9	6.1	e6.1	5.9	---	---	---	---	---	---
3	6.6	6.1	6.0	6.0	6.0	5.9	---	---	---	---	---	---
4	9.1	6.0	5.9	5.8	6.0	6.1	---	---	---	---	---	---
5	9.7	5.8	5.9	5.8	6.1	6.1	---	---	---	---	---	---
6	6.9	5.8	5.9	5.8	6.1	6.1	---	---	---	---	---	---
7	5.5	6.5	5.8	5.8	6.1	6.1	---	---	---	---	---	---
8	5.2	6.5	6.3	5.8	6.1	6.1	---	---	---	---	---	---
9	5.0	6.1	7.3	5.7	e6.0	6.1	---	---	---	---	---	---
10	4.9	6.1	9.6	5.7	e6.1	6.2	---	---	---	---	---	---
11	4.7	6.0	8.5	5.6	6.0	6.2	---	---	---	---	---	---
12	4.7	5.9	7.5	5.6	6.0	6.3	---	---	---	---	---	---
13	4.6	5.9	6.9	5.8	6.0	6.2	---	---	---	---	---	---
14	4.9	6.5	7.2	5.8	6.1	6.6	---	---	---	---	---	---
15	5.0	7.0	6.7	5.7	&6.1	7.1	---	---	---	---	---	---
16	5.0	6.4	6.7	6.1	e5.9	9.4	---	---	---	---	---	---
17	5.7	6.0	6.6	6.4	e5.9	7.6	---	---	---	---	---	---
18	6.1	5.8	7.3	6.2	e6.0	7.2	---	---	---	---	---	---
19	5.5	&5.8	7.4	6.1	6.1	6.7	---	---	---	---	---	---
20	5.4	e6.1	7.0	6.0	e6.0	6.6	---	---	---	---	---	---
21	5.4	e6.0	6.6	6.0	5.9	6.0	---	---	---	---	---	---
22	5.5	e6.0	6.4	6.0	5.8	5.9	---	---	---	---	---	---
23	7.6	e6.0	6.3	5.9	5.8	6.1	---	---	---	---	---	---
24	63	e6.0	6.3	5.9	5.8	&6.1	---	---	---	---	---	---
25	21	e6.3	6.3	6.1	e5.7	&6.1	---	---	---	---	---	---
26	10	&6.5	6.1	6.1	e5.7	6.0	---	---	---	---	---	---
27	7.8	6.1	6.1	6.1	5.8	6.0	---	---	---	---	---	---
28	7.2	5.9	6.2	6.2	5.8	6.0	---	---	---	---	---	---
29	6.8	e5.8	6.3	6.2	---	6.2	---	---	---	---	---	---
30	6.5	5.8	&6.2	6.2	---	6.9	---	---	---	---	---	---
31	6.4	---	e6.0	6.1	---	8.1	---	---	---	---	---	---
Total	262.4	183.0	205.0	184.8	167.1	199.7	---	---	---	---	---	---
Mean	8.46	6.10	6.61	5.96	5.97	6.44	---	---	---	---	---	---
Max	63	7.0	9.6	6.4	6.1	9.4	---	---	---	---	---	---
Min	4.6	5.8	5.8	5.6	5.7	5.8	---	---	---	---	---	---
Ac-ft	520	363	407	367	331	396	---	---	---	---	---	---

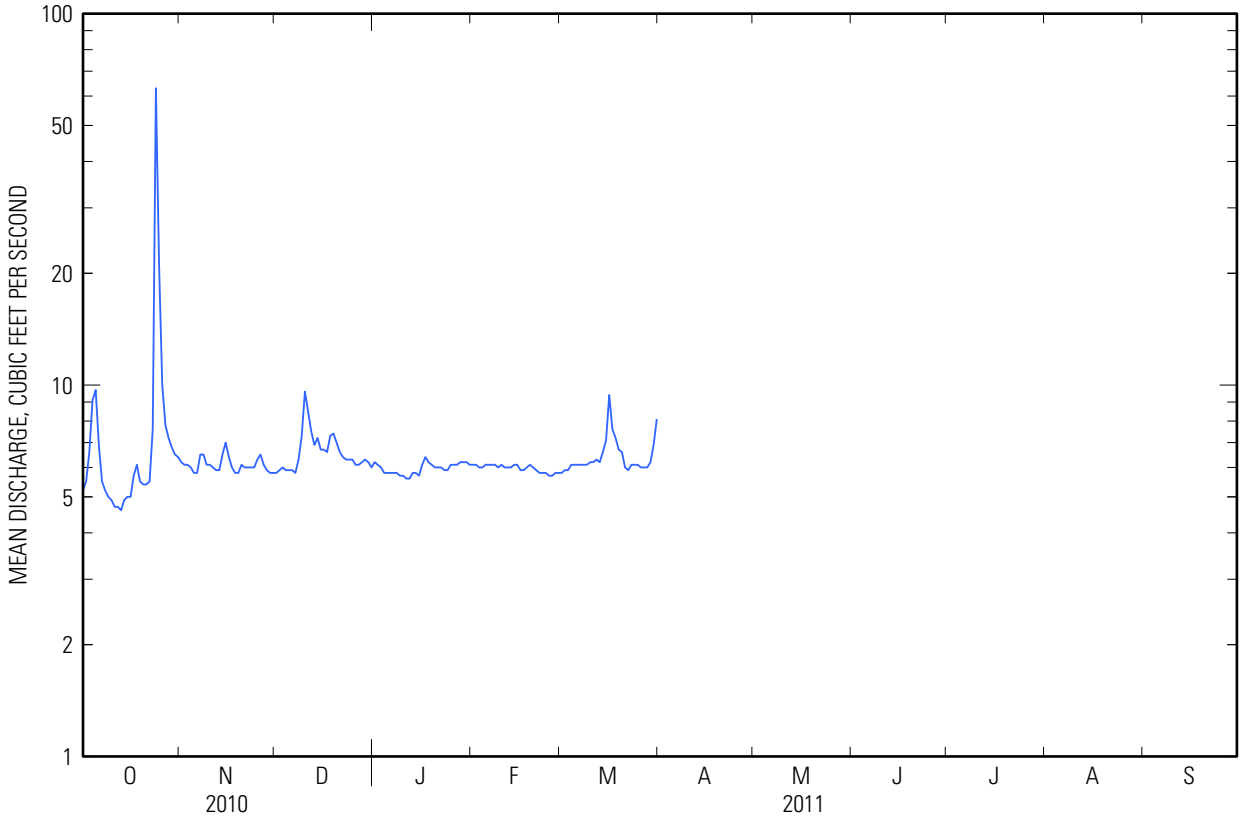
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.21	5.30	5.98	6.21	5.22	6.32	9.82	25.9	29.6	13.5	6.71	5.24
Max	8.46	8.28	19.5	24.9	11.4	14.2	22.3	70.8	84.9	62.1	20.0	10.7
(WY)	(2011)	(2007)	(2006)	(1997)	(1997)	(1997)	(1997)	(2006)	(1995)	(1995)	(1995)	(1998)
Min	2.91	2.93	2.63	2.59	2.65	3.25	5.18	8.81	4.10	3.41	2.93	3.02
(WY)	(1993)	(1993)	(1993)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(2001)	(2001)	(2001)

10336770 Trout Creek At U.S. Forest Service Road 12N01 Near Meyers, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Years 1990 - 2011	
Annual total	3,670.2			
Annual mean	10.1		10.6	
Highest annual mean			21.5	2006
Lowest annual mean			4.48	1992
Highest daily mean	68	Jun 6	170	Dec 31, 2005
Lowest daily mean	3.8	Jan 6	1.9	Dec 21, 1990
Annual seven-day minimum	3.9	Feb 4	2.4	Dec 17, 1990
Maximum peak flow			300	Dec 31, 2005
Maximum peak stage			7.00	Dec 31, 2005
Annual runoff (ac-ft)	7,280		7,650	
10 percent exceeds	21		21	
50 percent exceeds	6.0		5.8	
90 percent exceeds	4.0		3.4	



10336770 Trout Creek At U.S. Forest Service Road 12N01 Near Meyers, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990 to Mar. 2011 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Sep. 1997 to Sep. 2003, discontinued.

INSTRUMENTATION.--Water temperature recorder Sep. 1997 to Sep. 2003, two times per hour.

REMARKS.--In Nov. 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Nutrient samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature records for Sep. 1997 were not published but are available from the U.S. Geological Survey, in Carson City, NV. Quality assurance samples associated with the entire Lake Tahoe Interagency Monitoring Program are listed under station numbers 103366769999 and 103367309999. 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 14.0°C, Jul. 10, 2002; minimum, freezing point on many days.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 3

[N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Medium name	Sample type	Discharge, instantaneous, ft³/s (00061)	Temperature, air, °C (00020)	Temperature, water, °C (00010)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	pH, water, unfiltered, field, standard units (00400)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)
10-06-2010	**1545**	Surface water	Regular	6.4	6.0	5.0	49	--	.17
10-24-2010	**1110**	Surface water	Regular	45	6.5	5.5	47	--	.43
11-05-2010	**1330**	Surface water	Regular	6.1	11.0	5.0	49	--	--
01-06-2011	**1045**	Surface water	Regular	5.8	-6.0	.0	48	--	--
03-22-2011	**1015**	Surface water	Regular	6.1	-2.5	1.0	48	7.8	.08

10336770 Trout Creek At U.S. Forest Service Road 12N01 Near Meyers, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 3

[N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (99911)	Orthophos-phate, water, filtered, mg/L as P (00671)	Phos-phorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concen-tration, mg/L (80154)
10-06-2010	**1545**	.26	.004	.004	.010	.017	.029	--	8
10-24-2010	**1110**	.70	.006	.049	.015	.022	.054	70	12
11-05-2010	**1330**	.09	.003	.006	.010	.020	.023	--	< .5
01-06-2011	**1045**	.10	.005	.013	.011	.018	.021	--	1
03-22-2011	**1015**	.09	.004	.017	.011	.018	.018	--	2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

[N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Suspended sediment discharge, tons per day (80155)
10-06-2010	**1545**	.14
10-24-2010	**1110**	1.5
11-05-2010	**1330**	< .01
01-06-2011	**1045**	.02
03-22-2011	**1015**	.03