Water-Data Report 2012

10336775 Trout Creek At Pioneer Trail Near South Lake Tahoe, CA

Truckee Basin
Lake Tahoe Subbasin

LOCATION.--Lat 38°54'12.22", long 119°58'08.01" referenced to North American Datum of 1983, in SE ¼ NE ¼ sec.10, T.12 N., R.18 E., El Dorado County, CA, Hydrologic Unit 16050101, on left bank, 200 ft upstream of Pioneer Trail Road, 0.6 mi upstream of confluence of Cold Creek, and 2.8 mi south of South Lake Tahoe.

DRAINAGE AREA.--23.7 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Jun. 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,270 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to May 01, 1992, at datum 0.12 ft higher.

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, 550 ft^3/s, Dec. 31, 2005, gage height, 5.87 ft; maximum gage-height, 7.59 ft, Jan. 02, 1997, from backwater; minimum daily, 2.0 ft^3/s, Dec. 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 21	0530	83	2.76

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 10336775, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/10336775.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	13	&12	e14	14	14	20	39	21	9.2	6.1	4.5
2	14	13	&14	e13	&14	&13	19	37	21	9.1	6.1	4.6
3	14	14	&12	e13	e14	&13	20	35	20	8.9	6.2	4.6
4	15	14	&13	e15	&14	&13	22	33	21	8.9	6.1	4.5
5	20	&15	&13	e13	&14	&14	19	32	23	8.5	6.9	4.5
6	18	&15	&13	11	&14	e14	19	31	22	8.4	6.4	5.1
7	19	&15	&14	11	15	&13	20	31	20	8.1	6.1	5.0
8	20	&16	&14	e12	14	&14	19	31	19	7.9	6.0	5.4
9	19	e16	&14	e14	13	e14	20	32	18	7.7	5.9	5.3
10	19	16	&14	e14	13	&14	21	34	17	7.5	5.8	5.3
11	22	15	&14	15	13	14	21	33	17	7.5	5.5	5.3
12	18	16	&14	e16	13	13	20	32	17	7.4	5.4	5.4
13	17	16	&14	e17	13	13	19	32	16	7.2	5.9	5.2
14	17	15	&13	e18	13	16	19	33	16	7.1	6.8	5.0
15	16	15	&14	e19	&12	19	19	33	15	7.1	6.7	4.9
16	16	15	&14	e18	&12	27	21	33	14	7.0	5.9	4.8
17	15	15	&13	e17	e13	24	22	33	13	6.9	5.6	4.9
18	15	14	&14	e12	e13	20	24	30	13	6.8	5.9	4.5
19	15	14	&14	e13	12	19	26	29	12	7.0	5.8	4.2
20	15	15	&13	e19	12	19	31	28	12	7.1	5.2	4.2
21	15	e15	&13	44	12	21	35	28	11	6.8	5.0	4.2
22	14	e15	e12	24	12	21	38	27	11	6.7	5.0	4.2
23	14	&14	e13	22	13	21	40	26	11	7.4	5.0	4.4
24	14	14	e13	22	13	20	42	25	10	7.9	5.0	4.4
25	14	14	e14	20	13	19	41	25	10	6.8	5.0	4.5
26	14	14	e14	18	&14	18	48	26	10	6.7	5.0	4.6
27	14	14	e14	17	&11	17	40	25	10	6.7	4.8	4.6
28	14	14	e13	&15	&13	18	36	25	9.6	6.7	4.5	4.5
29	14	13	e13	&16	&13	18	37	23	9.4	6.6	4.5	4.6
30	14	&13	e14	15	---	20	38	22	9.2	6.4	4.5	4.5
31	14	---	e14	14	---	23	---	22	---	6.2	4.5	---
Total	493	437	417	521	379	536	816	925	448.2	230.2	173.1	141.7
Mean	15.9	14.6	13.5	16.8	13.1	17.3	27.2	29.8	14.9	7.43	5.58	4.72
Max	22	16	14	44	15	27	48	39	23	9.2	6.9	5.4
Min	14	13	12	11	11	13	19	22	9.2	6.2	4.5	4.2
Ac-ft	978	867	827	1,030	752	1,060	1,620	1,830	889	457	343	281

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9.23	10.1	12.5	15.7	13.7	19.3	29.3	54.2	58.0	29.0	12.3	8.96
Max	15.9	18.7	37.9	87.8	38.2	42.0	54.9	128	158	142	35.8	19.0
(WY)	(2012)	(1997)	(2006)	(1997)	(1997)	(1997)	(1996)	(2006)	(1995)	(1995)	(1995)	(1995)
Min	4.49	5.03	4.05	4.70	5.49	7.85	12.2	14.2	7.66	5.64	4.11	4.08
(WY)	(1991)	(1991)	(1991)	(1991)	(1993)	(1992)	(1991)	(1992)	(1992)	(2001)	(2001)	(1992)

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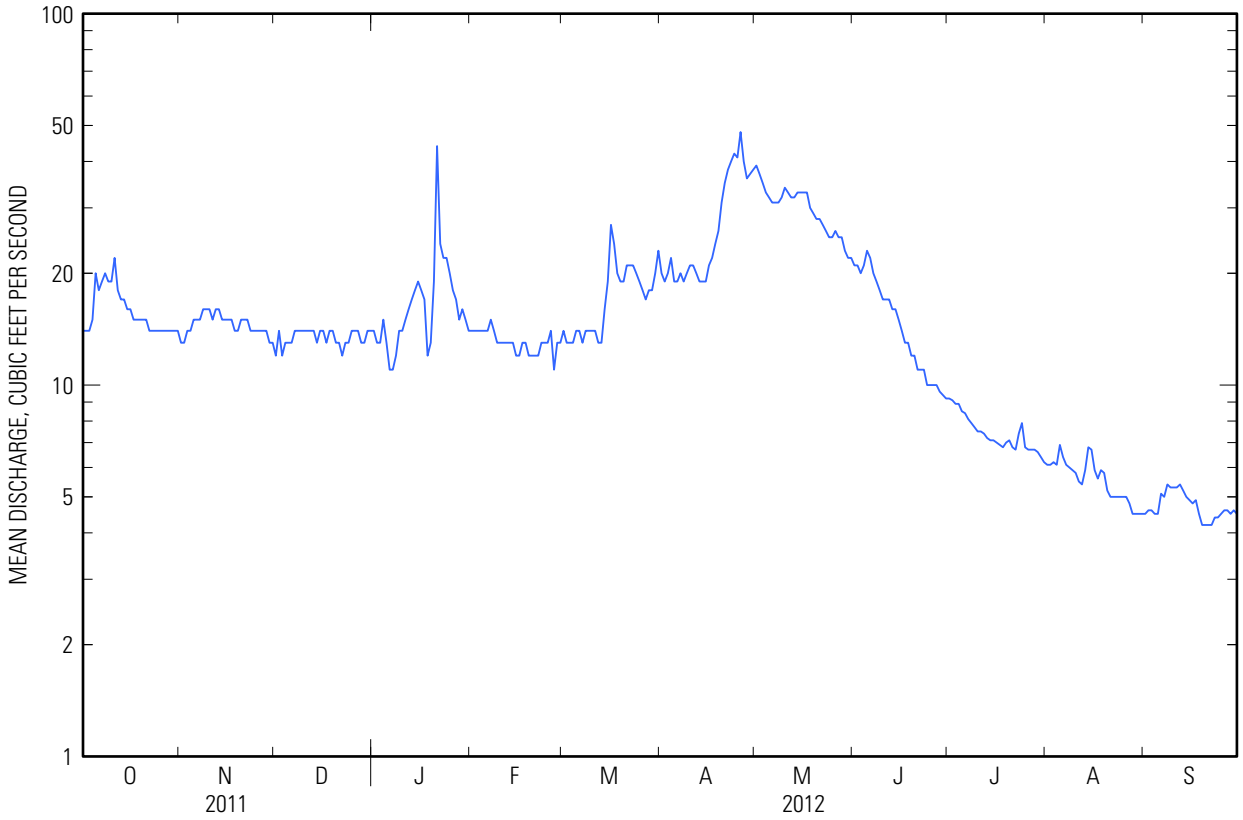
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1990 - 2012	
Annual total	16,312		5,517.2			
Annual mean	44.7		15.1		23.0	
Highest annual mean					46.9	1995
Lowest annual mean					7.71	1992
Highest daily mean	230	Jun 29	48	Apr 26	457	Jan 2, 1997
Lowest daily mean	12	Dec 1	4.2	Sep 19	2.0	Dec 22, 1990
Annual seven-day minimum	13	Nov 29	4.3	Sep 18	2.8	Dec 21, 1990
Maximum peak flow			83	Jan 21	550	Dec 31, 2005
Maximum peak stage			2.76	Jan 21	7.59	Jan 2, 1997
Annual runoff (ac-ft)	32,350		10,940		16,670	
10 percent exceeds	102		26		51	
50 percent exceeds	20		14		13	
90 percent exceeds	14		5.2		5.7