Water-Data Report 2013

11525854 Trinity River at Douglas City, CA

Klamath River Basin

LOCATION.--Lat 40°38′43″, long 122°57′24″ referenced to North American Datum of 1983, in SW ¼ NW ¼ sec.12, T.32 N., R.10 W., Trinity County, CA, Hydrologic Unit 18010211, on right bank, 0.30 mi downstream of Reading Creek, 1.3 mi downstream from Weaver Creek, and 0.80 mi southwest of Douglas City.

DRAINAGE AREA.--931 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2002 to current year.
SEDIMENT DATA: Water years 2004-06.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,597 ft above NGVD of 1929. Prior to Aug. 13, 2010, at site 300 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Trinity Lake (station 11525400) and transbasin diversion to Judge Francis Carr powerplant (station 11525430). Small diversion for irrigation upstream from station. See schematic diagram of Klamath River and Trinity River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,900 ft^3/s, May 5, 2011, gage height, 13.86 ft; minimum daily, 277 ft^3/s, Nov. 26, 2002.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 11525854, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/11525854.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	478	373	780	529	571	462	558	2,690	1,290	503	495	e941
2	474	371	2,400	517	562	466	519	3,850	1,260	505	494	e911
3	475	362	1,000	509	555	470	508	4,510	1,250	508	494	e900
4	476	361	1,190	502	551	469	640	4,510	1,230	506	493	e898
5	478	355	1,820	504	550	478	791	4,230	1,140	502	494	e898
6	478	354	1,010	535	547	583	697	4,020	1,130	497	497	e902
7	479	353	782	536	546	537	668	3,870	1,090	494	497	e904
8	479	355	677	569	532	512	656	3,720	1,050	495	496	e904
9	481	347	614	596	519	495	603	3,530	1,010	504	493	e875
10	481	341	580	598	508	488	594	3,360	963	505	498	e851
11	476	344	544	581	497	481	601	3,170	927	496	503	e875
12	478	344	519	560	491	484	584	3,040	895	493	499	e904
13	481	346	509	536	484	484	574	2,890	863	497	610	e917
14	477	348	496	515	484	512	568	2,780	813	494	525	e921
15	471	348	493	504	490	520	558	2,700	802	491	495	e964
16	468	350	503	499	492	518	546	2,550	800	488	493	e963
17	406	377	602	497	492	508	534	2,490	798	488	491	e972
18	341	396	575	507	488	498	528	2,370	743	489	488	e978
19	318	377	528	515	489	500	532	2,270	653	492	479	e823
20	316	588	e515	514	479	556	533	2,170	609	495	483	e477
21	316	547	e545	513	470	558	715	2,030	603	496	484	e480
22	327	421	652	514	467	529	1,550	2,010	581	492	490	e472
23	325	387	867	553	469	513	2,060	2,010	556	489	493	e477
24	336	375	802	764	459	504	2,050	2,000	552	493	487	e468
25	342	372	e692	788	457	506	2,050	1,910	555	493	711	e473
26	339	369	e690	815	451	506	2,060	1,710	561	493	2,420	e472
27	341	368	643	749	448	507	2,030	1,650	536	497	e2,170	e469
28	343	391	599	681	453	505	2,030	1,630	517	498	e1,430	e467
29	341	675	579	636	---	485	2,040	1,510	510	500	e988	e478
30	339	1,350	560	602	---	466	2,060	1,410	505	499	e912	e553
31	352	---	545	588	---	557	---	1,360	---	492	e936	---
Total	12,712	12,645	23,311	17,826	14,001	15,657	30,437	83,950	24,792	15,384	21,538	22,587
Mean	410	422	752	575	500	505	1,015	2,708	826	496	695	753
Max	481	1,350	2,400	815	571	583	2,060	4,510	1,290	508	2,420	978
Min	316	341	493	497	448	462	508	1,360	505	488	479	467
Ac-ft	25,210	25,080	46,240	35,360	27,770	31,060	60,370	166,500	49,170	30,510	42,720	44,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	418	367	656	1,000	844	857	1,057	4,162	2,177	960	622	591
Max	484	422	1,526	4,510	1,950	1,552	2,748	6,358	5,045	1,288	830	775
(WY)	(2011)	(2013)	(2006)	(2006)	(2004)	(2004)	(2006)	(2006)	(2006)	(2011)	(2012)	(2003)
Min	379	335	358	400	454	505	624	2,708	760	458	458	445
(WY)	(2004)	(2005)	(2009)	(2009)	(2012)	(2013)	(2007)	(2013)	(2007)	(2007)	(2008)	(2008)

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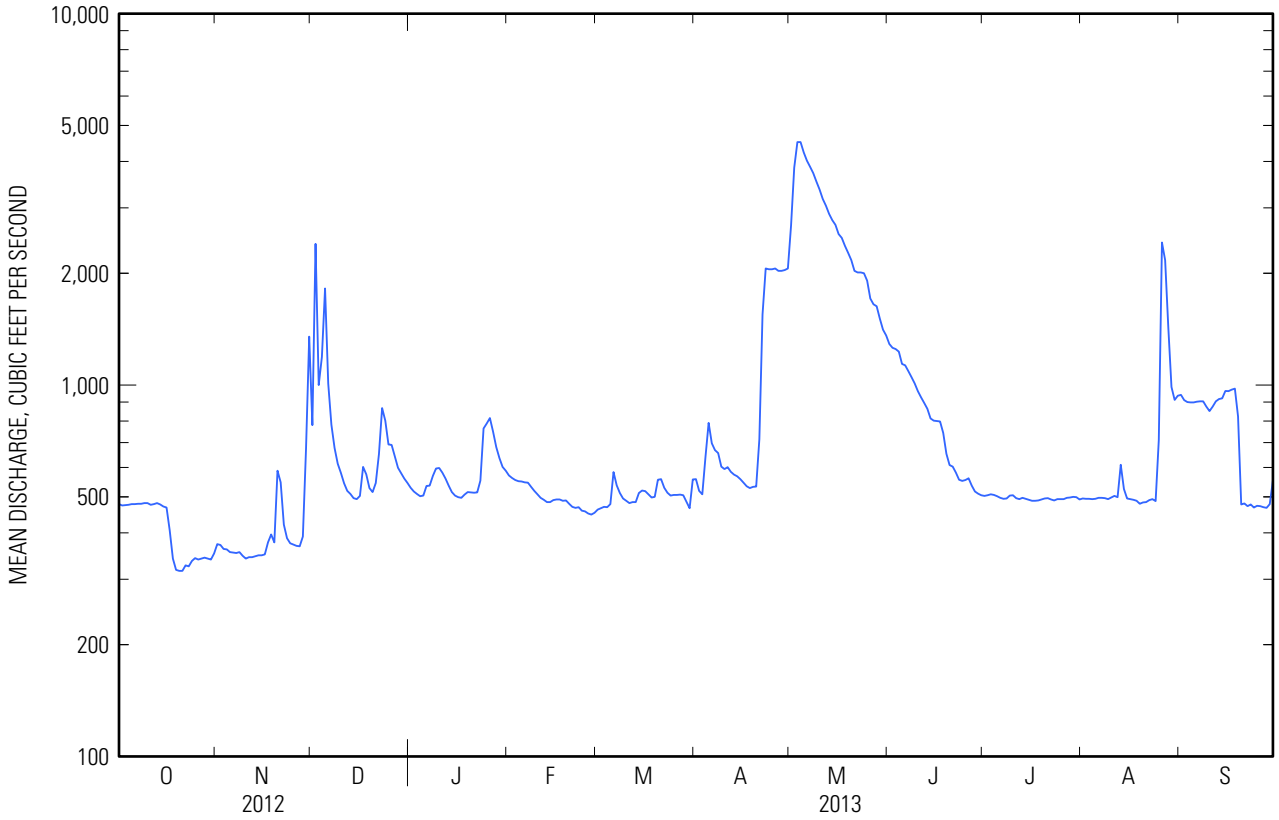
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2003 - 2013	
Annual total	408,095		294,840			
Annual mean	1,115		808		1,146	
Highest annual mean					2,172	2006
Lowest annual mean					705	2007
Highest daily mean	6,190	May 9	4,510	May 3	12,600	May 5, 2011
Lowest daily mean	316	Oct 20	316	Oct 20	277	Nov 26, 2002
Annual seven-day minimum	326	Oct 18	326	Oct 18	285	Nov 24, 2002
Maximum peak flow			4,760	May 4	12,900	May 5, 2011
Maximum peak stage			10.34	May 4	13.86	May 5, 2011
Annual runoff (ac-ft)	809,500		584,800		830,100	
10 percent exceeds	2,750		1,860		2,720	
50 percent exceeds	651		517		554	
90 percent exceeds	353		383		357