Water-Data Report 2009

11525655 Trinity River below Limekiln Gulch, near Douglas City, CA

Klamath River Basin

LOCATION.--Lat 40°40′22″, long 122°55′10″ referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.32, T.33 N., R.9 W., Trinity County, CA, Hydrologic Unit 18010211, on left bank, 1.8 mi northeast of Douglas City, 2.3 mi downstream from Limekiln Gulch, and 11.3 mi downstream from Lewiston diversion dam.

DRAINAGE AREA.--810 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1981 to September 1991, October 2002 to current year.
WATER TEMPERATURE: Water years 1981-91, 2004.
SEDIMENT DATA: Water years 1981-91, 2004-06.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,650 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Flow regulated by Trinity Lake (station 11525400) and transbasin diversions 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, 10,100 ft^3/s, May 25, 2006, gage height, 11.22 ft; minimum daily, 228 ft^3/s, June 15, 1990.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	425	375	322	354	321	564	411	4,390	1,490	610	464	481
2	430	414	318	385	319	1,090	402	4,770	1,360	545	462	478
3	450	366	320	374	317	827	396	4,990	1,350	526	463	475
4	453	372	322	358	317	651	393	5,010	1,380	489	466	484
5	448	356	324	361	324	562	386	5,170	1,330	449	475	478
6	439	358	323	353	371	511	381	4,890	1,330	439	470	474
7	440	363	319	367	356	479	384	4,610	1,330	431	463	474
8	452	358	315	365	343	457	382	4,240	1,320	428	458	473
9	524	368	316	370	337	441	399	3,780	1,310	436	456	472
10	531	357	321	365	338	424	404	3,450	1,310	431	454	476
11	532	317	323	363	340	407	388	3,170	1,320	445	454	479
12	533	358	319	360	336	411	379	2,990	1,320	441	450	478
13	537	381	317	367	345	399	385	2,710	1,190	430	449	480
14	531	377	340	368	347	379	390	2,670	1,020	432	456	482
15	528	365	324	370	440	382	382	2,590	884	433	460	480
16	529	367	337	367	458	442	374	2,470	778	455	460	481
17	341	362	335	365	409	461	368	2,410	749	492	462	479
18	291	361	343	363	382	428	377	2,270	749	498	463	479
19	337	366	339	359	371	419	392	2,230	757	470	461	472
20	340	358	339	361	359	418	420	2,160	761	456	459	474
21	315	364	346	360	360	427	447	2,140	761	426	462	473
22	307	361	344	347	489	422	473	2,140	758	426	459	475
23	306	344	339	335	768	411	436	2,150	758	425	780	481
24	309	325	353	334	723	391	406	2,150	740	425	2,610	481
25	310	327	355	336	550	386	395	2,150	738	425	2,180	478
26	310	325	344	332	497	355	394	2,140	673	424	1,430	480
27	310	324	347	332	462	387	928	2,130	656	423	813	483
28	309	325	361	327	441	464	1,550	2,130	652	422	497	486
29	309	325	387	322	---	456	2,640	2,120	648	426	466	485
30	308	321	380	318	---	420	3,400	1,860	615	431	447	487
31	316	---	361	321	---	410	---	1,630	---	437	464	---
Total	12,500	10,640	10,433	10,959	11,420	14,681	18,862	93,710	30,037	14,026	19,813	14,358
Mean	403	355	337	354	408	474	629	3,023	1,001	452	639	479
Max	537	414	387	385	768	1,090	3,400	5,170	1,490	610	2,610	487
Min	291	317	315	318	317	355	368	1,630	615	422	447	472
Ac-ft	24,790	21,100	20,690	21,740	22,650	29,120	37,410	185,900	59,580	27,820	39,300	28,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	357	394	670	834	753	1,107	782	2,020	1,389	712	500	444
Max	403	1,002	2,670	3,770	2,449	6,446	3,109	5,699	4,814	1,151	789	802
(WY)	(2009)	(1984)	(1984)	(2006)	(1983)	(1983)	(1983)	(2006)	(2006)	(2006)	(2004)	(2003)
Min	304	302	314	315	320	371	381	361	338	323	310	303
(WY)	(1989)	(2005)	(2008)	(1991)	(1991)	(1985)	(1990)	(1985)	(1990)	(1988)	(1988)	(1988)

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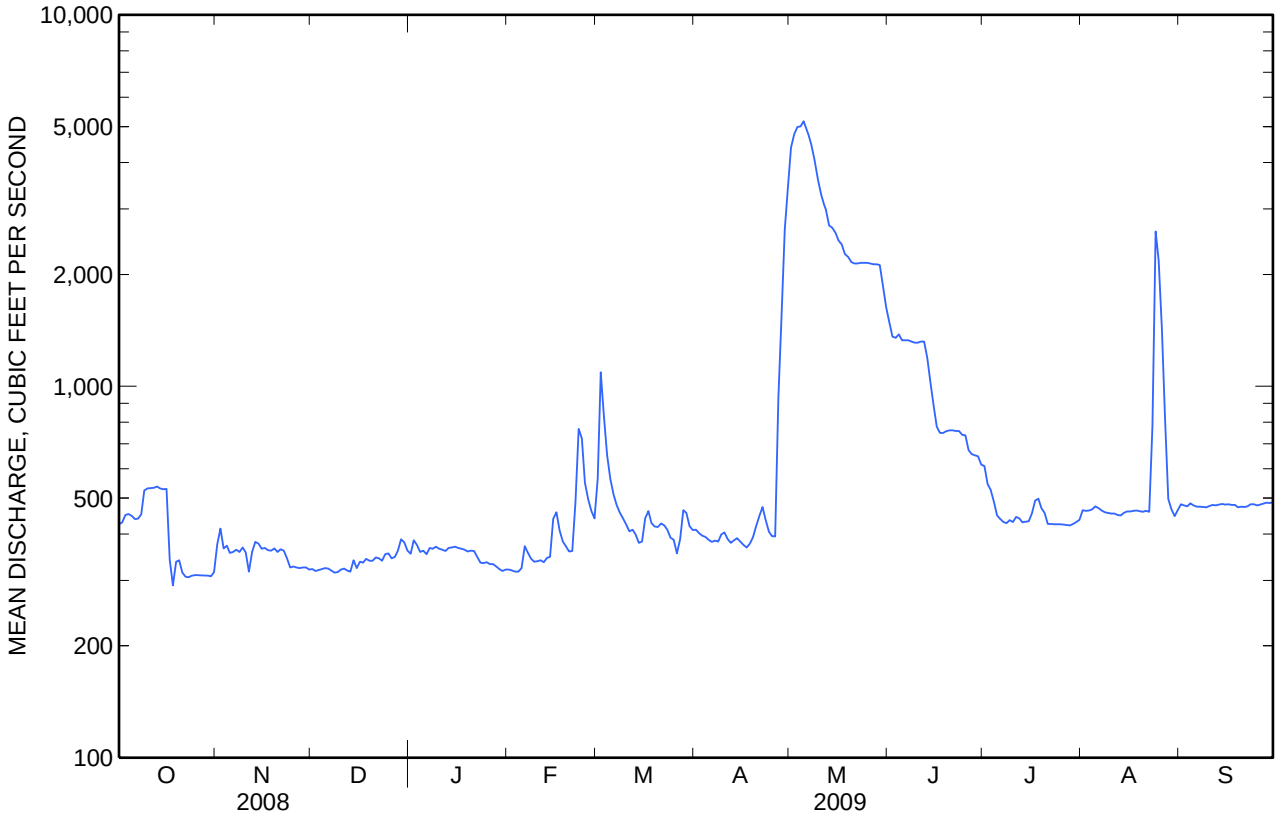
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1981 - 2009	
Annual total	346,117		261,439			
Annual mean	946		716		846	
Highest annual mean					2,022	1983
Lowest annual mean					371	1990
Highest daily mean	6,810	May 8	5,170	May 5	9,870	May 24, 2006
Lowest daily mean	291	Oct 18	291	Oct 18	228	Jun 15, 1990
Annual seven-day minimum	309	Oct 22	309	Oct 22	237	Jun 9, 1990
Maximum peak flow			5,420	May 5	10,100	May 25, 2006
Maximum peak stage			8.60	May 5	11.22	May 25, 2006
Annual runoff (ac-ft)	686,500		518,600		612,800	
10 percent exceeds	2,220		1,510		2,060	
50 percent exceeds	422		431		447	
90 percent exceeds	325		324		316