Water-Data Report 2011

11519500 Scott River near Fort Jones, CA

Klamath River Basin

LOCATION.--Lat 41°38′27″, long 123°00′50″ referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.29, T.44 N., R.10 W., Siskiyou County, CA, Hydrologic Unit 18010208, on right bank, 1.7 mi upstream from Snow Creek, and 10.8 mi downstream from Fort Jones.

DRAINAGE AREA.--653 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only October to December 1941, published in WSP 1315-B.
CHEMICAL DATA: Water years 1959-79.
SEDIMENT DATA: Water years 1955-56.

REVISED RECORDS.--WSP 1445: 1942-43 (instantaneous maximum discharge), 1946 (instantaneous maximum discharge), 1948. WSP 1715: 1951-52 (instantaneous maximum discharge). WSP 1929: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 2,623.80 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1966, water-stage recorder 400 ft downstream at datum 2.00 ft higher.

REMARKS.--Records fair. Diversions for irrigation of about 30,000 acres 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, 54,600 ft^3/s, Dec. 22, 1964, gage height, 25.34 ft, from floodmarks, from rating curve extended above 15,000 ft^3/s, on basis of slope-area measurement at 21.40 ft, site and datum then in use; minimum daily, 3.4 ft^3/s, Sept. 20-22, 2001.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 14	1930	2,990	9.82
Jan 17	1045	2,980	9.81
Mar 16	1145	*3,620	*10.47
Apr 18	1245	2,750	9.64

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 11519500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/11519500.2011.pdf

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	47	398	276	863	684	405	1,600	1,010	1,170	1,410	199	54
2	48	385	455	783	653	406	1,810	988	1,120	1,280	192	55
3	48	355	522	728	625	424	1,780	1,010	1,040	1,260	174	56
4	48	361	491	679	602	418	1,580	1,030	984	1,180	163	57
5	48	351	480	643	586	426	1,510	1,130	1,020	1,110	153	56
6	49	341	702	619	573	529	1,580	1,370	1,210	1,080	143	56
7	49	513	797	598	563	592	1,500	1,550	1,450	1,030	133	57
8	50	667	733	580	549	589	1,360	1,530	1,560	951	126	56
9	50	500	867	561	527	576	1,230	1,350	1,610	834	117	56
10	49	463	1,270	536	514	663	1,130	1,190	1,700	751	107	58
11	50	408	1,370	529	503	832	1,070	1,190	1,810	665	101	59
12	50	359	1,520	528	489	766	1,040	1,320	1,770	603	96	59
13	50	322	1,420	804	472	744	1,010	1,410	1,930	547	92	60
14	51	321	2,480	1,590	463	988	960	1,470	2,100	503	87	60
15	52	394	2,190	1,380	521	1,310	971	1,350	2,000	455	82	62
16	53	389	1,540	1,630	695	3,240	1,350	1,180	1,890	434	79	63
17	54	347	1,240	2,740	619	2,480	2,010	1,050	1,630	411	75	64
18	54	314	1,100	2,160	568	1,950	2,560	965	1,570	399	71	64
19	53	305	1,030	1,730	541	1,760	2,250	879	1,660	465	69	64
20	53	292	999	1,470	512	1,620	1,910	893	1,680	428	67	64
21	52	286	906	1,310	488	e1,700	1,680	1,020	1,770	391	64	64
22	53	279	868	1,210	468	e1,510	1,490	1,180	1,800	363	61	64
23	55	289	817	1,120	454	e1,360	1,390	1,220	1,760	338	60	65
24	205	277	748	1,030	442	e1,390	1,370	1,180	1,510	318	58	65
25	755	259	710	962	441	e1,490	1,400	1,420	1,350	287	56	67
26	367	252	838	902	434	e1,530	1,340	1,600	1,270	272	56	68
27	261	262	795	850	424	e1,450	1,240	1,360	1,240	254	55	68
28	232	260	802	814	415	e1,280	1,220	1,260	1,760	235	56	68
29	304	250	1,440	784	---	1,200	1,150	1,140	2,310	223	56	69
30	325	241	1,250	764	---	1,190	1,070	1,040	1,720	213	56	69
31	303	---	993	719	---	1,390	---	1,050	---	201	54	---
Total	3,918	10,440	31,649	31,616	14,825	36,208	43,561	37,335	47,394	18,891	2,958	1,847
Mean	126	348	1,021	1,020	529	1,168	1,452	1,204	1,580	609	95.4	61.6
Max	755	667	2,480	2,740	695	3,240	2,560	1,600	2,310	1,410	199	69
Min	47	241	276	528	415	405	960	879	984	201	54	54
Ac-ft	7,770	20,710	62,780	62,710	29,410	71,820	86,400	74,050	94,010	37,470	5,870	3,660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	101	309	799	1,058	1,106	1,026	1,013	1,155	727	186	59.7	50.0
Max	941	1,628	5,003	4,417	4,793	2,825	2,217	2,426	1,801	769	269	228
(WY)	(1963)	(1974)	(1965)	(1974)	(1958)	(1972)	(1952)	(1958)	(1975)	(1983)	(1983)	(1983)
Min	4.14	10.7	52.7	80.9	99.0	83.3	55.1	121	49.6	7.97	5.52	4.43
(WY)	(2002)	(1995)	(1995)	(1977)	(1977)	(1977)	(1977)	(1977)	(2001)	(2001)	(2001)	(2001)

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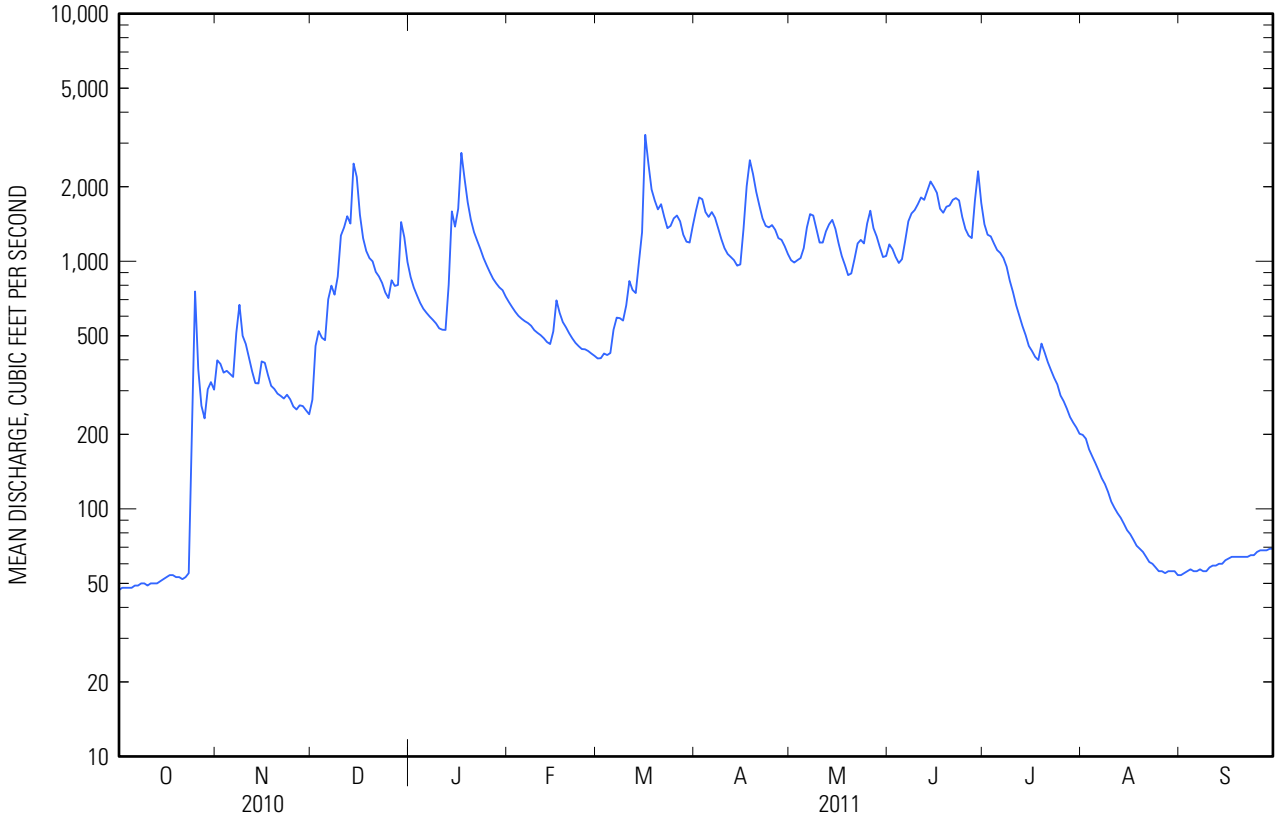
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1942 - 2011	
Annual total	210,693		280,642			
Annual mean	577		769		630	
Highest annual mean					1,496	1974
Lowest annual mean					74.9	1977
Highest daily mean	3,860	Jun 5	3,240	Mar 16	39,500	Dec 23, 1964
Lowest daily mean	22	Aug 26	47	Oct 1	3.4	Sep 20, 2001
Annual seven-day minimum	22	Aug 26	48	Oct 1	3.6	Sep 18, 2001
Maximum peak flow			3,620	Mar 16	54,600	Dec 22, 1964
Maximum peak stage			10.47	Mar 16	25.34	Dec 22, 1964
Annual runoff (ac-ft)	417,900		556,700		456,500	
10 percent exceeds	1,240		1,600		1,520	
50 percent exceeds	442		603		306	
90 percent exceeds	39		56		41