

11462000 East Fork Russian River near Ukiah, CA

Russian River Basin

LOCATION.--Lat 39°11'51", long 123°11'11" referenced to North American Datum of 1927, Mendocino County, CA, Hydrologic Unit 18010110, in Yokaya Grant, on right bank of outlet channel, 500 ft downstream from Coyote Dam, 1,300 ft upstream from Russian River, and 3.2 mi northeast of Ukiah.

DRAINAGE AREA.--105 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1911 to September 1913, October 1951 to June 1956, October 1957 to current year.

CHEMICAL DATA: Water years 1953-55, 1973-82.

BIOLOGICAL DATA: Water years 1977-78.

WATER TEMPERATURE: Water years 1953-55, 1965-68, 1973-1994.

SEDIMENT DATA: Water years 1953-55, 1964-68.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 614.41 ft above NGVD of 1929. Prior to October 1951, nonrecording gage at site 0.5 mi upstream at different datum. October 1951 to June 1956, water-stage recorder at site 1.0 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow affected by diversion from Eel River through Potter Valley Powerplant Intake (station 11471000) and since November 1958 by storage in Lake Mendocino, capacity, 122,400 acre-ft, 500 ft upstream. Diversions upstream from station for irrigation of about 8,000 acres and about 10 ft³/s at times, through a fish taking station which bypasses the gage. See schematic diagram of Russian River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Prior to regulation by Lake Mendocino, maximum discharge, 13,300 ft³/s, Dec. 21, 1955, gage height, 16.86 ft, site and datum then in use, from rating curve extended above 6,300 ft³/s, on basis of maximum flow at station upstream which was defined to 8,600 ft³/s; no flow Aug. 13-15, 1913.

Maximum discharge since regulation (1959), 7,350 ft³/s, Jan. 24, 1970, gage height, 10.84 ft; minimum daily, 0.02 ft³/s, Apr. 17, 1973.

11462000 East Fork Russian River near Ukiah, CA—Continued

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	192	364	310	2,060	386	401	649	195	185	133	172	190
2	189	351	309	2,090	316	919	195	188	181	139	160	190
3	187	341	308	1,640	224	2,110	196	175	182	136	158	189
4	187	511	309	372	227	789	182	175	183	132	158	194
5	187	308	310	371	234	177	122	175	183	131	156	196
6	188	363	312	371	238	180	114	172	185	137	165	194
7	179	363	645	368	238	180	140	171	151	138	161	192
8	175	363	931	364	239	180	141	171	105	147	155	187
9	214	365	570	360	240	174	142	172	90	151	148	184
10	292	365	358	359	241	175	143	175	89	142	146	188
11	429	367	359	354	229	177	146	178	90	143	149	188
12	995	366	359	349	203	177	147	178	91	144	155	186
13	1,180	367	360	347	204	177	142	178	91	149	158	181
14	844	368	361	341	202	145	156	182	92	147	163	182
15	676	368	362	338	203	42	134	187	98	147	161	190
16	592	317	362	335	205	41	133	180	103	147	160	191
17	534	267	362	333	204	80	132	163	104	147	159	192
18	523	227	363	331	204	875	131	162	112	146	163	193
19	457	187	366	332	203	257	134	165	114	147	170	194
20	364	188	705	331	203	256	149	179	118	147	174	201
21	365	188	1,070	320	203	1,390	149	180	126	144	174	e202
22	363	188	1,070	311	205	2,310	150	180	132	143	173	e203
23	356	189	1,060	312	292	363	149	179	133	146	171	e205
24	352	190	785	307	364	180	150	177	136	148	171	e202
25	354	190	362	304	362	184	150	181	139	150	171	e196
26	351	190	363	304	362	183	149	179	136	151	174	e194
27	354	190	794	237	363	2,390	150	177	134	158	175	188
28	355	190	665	155	363	2,990	172	176	135	166	182	185
29	360	191	209	207	---	2,640	197	177	136	171	182	184
30	362	261	1,190	209	---	1,920	199	178	134	174	184	175
31	363	---	2,090	243	---	1,110	---	183	---	181	189	---
Total	12,519	8,683	17,979	14,655	7,157	23,172	5,043	5,488	3,888	4,582	5,137	5,736
Mean	404	289	580	473	256	747	168	177	130	148	166	191
Max	1,180	511	2,090	2,090	386	2,990	649	195	185	181	189	205
Min	175	187	209	155	202	41	114	162	89	131	146	175
Ac-ft	24,830	17,220	35,660	29,070	14,200	45,960	10,000	10,890	7,710	9,090	10,190	11,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1958, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	200	271	576	871	649	461	399	309	213	162	166	161
Max	316	437	1,138	1,289	1,784	709	775	367	307	260	272	266
(WY)	(1958)	(1913)	(1956)	(1956)	(1958)	(1958)	(1958)	(1912)	(1953)	(1953)	(1953)	(1954)
Min	20.0	21.0	40.0	258	105	182	214	226	102	65.0	23.8	2.03
(WY)	(1912)	(1912)	(1912)	(1912)	(1913)	(1913)	(1955)	(1913)	(1913)	(1912)	(1913)	(1913)

11462000 East Fork Russian River near Ukiah, CA—Continued

SUMMARY STATISTICS

Water Years 1911 - 1958		
Annual mean	356	
Highest annual mean	526	1958
Lowest annual mean	183	1912
Highest daily mean	7,300	Dec 22, 1955
Lowest daily mean	.00	Aug 13, 1913
Annual seven-day minimum	1.4	Aug 13, 1913
Maximum peak flow	13,300	Dec 21, 1955
Maximum peak stage	16.86	Dec 21, 1955
Annual runoff (ac-ft)	257,700	
10 percent exceeds	647	
50 percent exceeds	286	
90 percent exceeds	63	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	225	228	337	582	570	405	305	224	211	241	249	238
Max	419	635	1,175	1,905	1,934	1,780	1,026	577	361	336	388	416
(WY)	(1994)	(1984)	(1965)	(1970)	(1986)	(1983)	(1982)	(2003)	(1998)	(1961)	(1961)	(1974)
Min	42.3	13.4	6.97	20.7	17.9	13.3	52.6	48.5	104	122	121	92.7
(WY)	(1978)	(1978)	(1978)	(1977)	(1977)	(1977)	(1977)	(2009)	(1988)	(2009)	(2009)	(1977)

SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 1960 - 2011	
Annual total	80,781	114,039		
Annual mean	221	312	317	
Highest annual mean			598	1983
Lowest annual mean			95.0	2009
Highest daily mean	2,090	Dec 31	2,990	Mar 28
Lowest daily mean	20	Jan 28	41	Mar 16
Annual seven-day minimum	20	Jan 28	92	Jun 9
Maximum peak flow			4,290	Mar 28
Maximum peak stage			7.19	Mar 28
Annual runoff (ac-ft)	160,200	226,200	229,600	
10 percent exceeds	365	440	501	
50 percent exceeds	170	188	219	
90 percent exceeds	51	137	69	

11462000 East Fork Russian River near Ukiah, CA—Continued

