11464000 RUSSIAN RIVER NEAR HEALDSBURG, CA

Russian River Basin

LOCATION.--Lat 38°36′48″, long 122°50′07″ referenced to North American Datum of 1927, Sonoma County, Hydrologic Unit 18010110, in Sotoyome Grant, on left bank, 2 mi east of Healdsburg, and 3.5 mi upstream from Dry Creek.

DRAINAGE AREA.--793 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1315-B.
CHEMICAL DATA: Water years 1951-66, 1980.
WATER TEMPERATURE: Water years 1966-2002.

REVISED RECORDS.--981: 1942. WSP 1929: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 77.01 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Several diversions for irrigation of about 17,800 acres upstream from station. Flow also affected by diversion into basin (see REMARKS for East Fork Russian River stations) and since November 1958 by storage in Lake Mendocino, 63 mi upstream. See schematic diagram of Russian River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,000 ft^3/s, Jan. 9, 1995, gage height, 26.23 ft, maximum gage height, 30.0 ft, Feb. 28, 1940; minimum daily discharge, 12 ft^3/s, June 14, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 4, 1937 reached a stage of 30.8 ft, from floodmarks.

11464000 RUSSIAN RIVER NEAR HEALDSBURG, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	141	229	208	6,210	2,710	3,610	2,940	780	788	e377	e220	200
2	141	225	204	5,260	2,340	4,810	2,430	776	746	e365	e220	198
3	148	225	200	5,360	1,990	4,100	2,220	770	e710	e374	e216	192
4	155	224	197	3,930	1,680	3,250	3,250	760	e685	e376	e213	187
5	155	223	196	3,010	1,450	2,510	2,780	958	e659	e375	e205	199
6	141	220	215	2,490	1,330	2,100	2,470	897	e638	e373	e200	204
7	139	217	2,840	3,230	1,230	1,830	2,250	818	e623	e366	e209	196
8	131	218	9,610	5,420	1,160	1,590	2,870	1,180	e618	e353	e214	186
9	127	218	6,200	6,190	1,080	1,380	4,630	2,760	e1,060	e337	e218	182
10	120	234	2,040	4,530	1,030	1,240	3,540	2,110	e753	e325	e218	190
11	122	340	1,230	8,430	979	1,130	2,720	1,640	e672	e321	e216	189
12	121	466	891	6,170	936	1,050	2,540	1,310	e616	e319	e210	191
13	115	356	716	5,170	910	984	2,330	1,090	e575	e315	e206	184
14	117	299	607	4,030	1,030	917	2,080	988	e544	e308	e211	184
15	117	275	568	2,910	997	855	1,940	917	e523	e295	e215	185
16	128	262	568	2,290	967	805	1,590	876	e515	e277	e220	181
17	151	253	530	1,980	e801	782	1,360	838	e535	e275	e218	179
18	163	248	492	1,760	e916	781	1,250	4,570	e575	e280	e220	173
19	258	243	441	1,580	e1,380	1,800	1,160	9,720	e580	e272	e222	180
20	380	238	442	1,440	2,100	3,290	1,080	5,300	e529	e258	e217	181
21	292	233	393	1,340	3,180	4,280	1,020	3,500	e500	e251	e219	179
22	246	230	368	1,240	2,620	10,000	975	2,510	e479	e246	e218	166
23	231	230	338	1,160	2,010	7,590	967	2,110	e463	e237	e215	156
24	232	230	311	1,090	1,870	5,900	945	1,800	e451	e228	e211	168
25	236	230	294	1,050	1,800	3,850	903	1,490	e441	e222	e208	172
26	332	214	338	1,860	1,690	2,910	864	1,280	e432	e219	207	175
27	381	228	10,100	2,900	2,180	2,660	828	1,160	e417	e214	207	172
28	297	248	9,040	5,480	5,670	6,980	808	1,060	e408	e215	206	174
29	262	232	4,890	4,860	---	5,330	784	952	e397	e215	210	171
30	245	215	8,350	3,700	---	4,950	774	890	e385	e214	203	163
31	233	---	7,070	3,100	---	3,730	---	840	---	e216	201	---
Total	6,057	7,503	69,887	109,170	48,036	96,994	56,298	56,650	17,317	9,018	6,593	5,457
Mean	195	250	2,254	3,522	1,716	3,129	1,877	1,827	577	291	213	182
Max	381	466	10,100	8,430	5,670	10,000	4,630	9,720	1,060	377	222	204
Min	115	214	196	1,050	801	781	774	760	385	214	200	156
Ac-ft	12,010	14,880	138,600	216,500	95,280	192,400	111,700	112,400	34,350	17,890	13,080	10,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	266	746	2,523	4,050	4,067	2,756	1,442	592	273	188	185	190
Max	1,605	5,293	8,945	14,490	16,450	11,810	6,592	2,080	972	300	331	360
(WY)	(1958)	(1974)	(1956)	(1995)	(1998)	(1983)	(1982)	(2003)	(1998)	(1961)	(1974)	(1974)
Min	33.7	122	111	90.9	58.7	146	55.7	85.1	81.3	70.5	82.8	67.4
(WY)	(1978)	(1992)	(1991)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1947)	(1947)	(1977)

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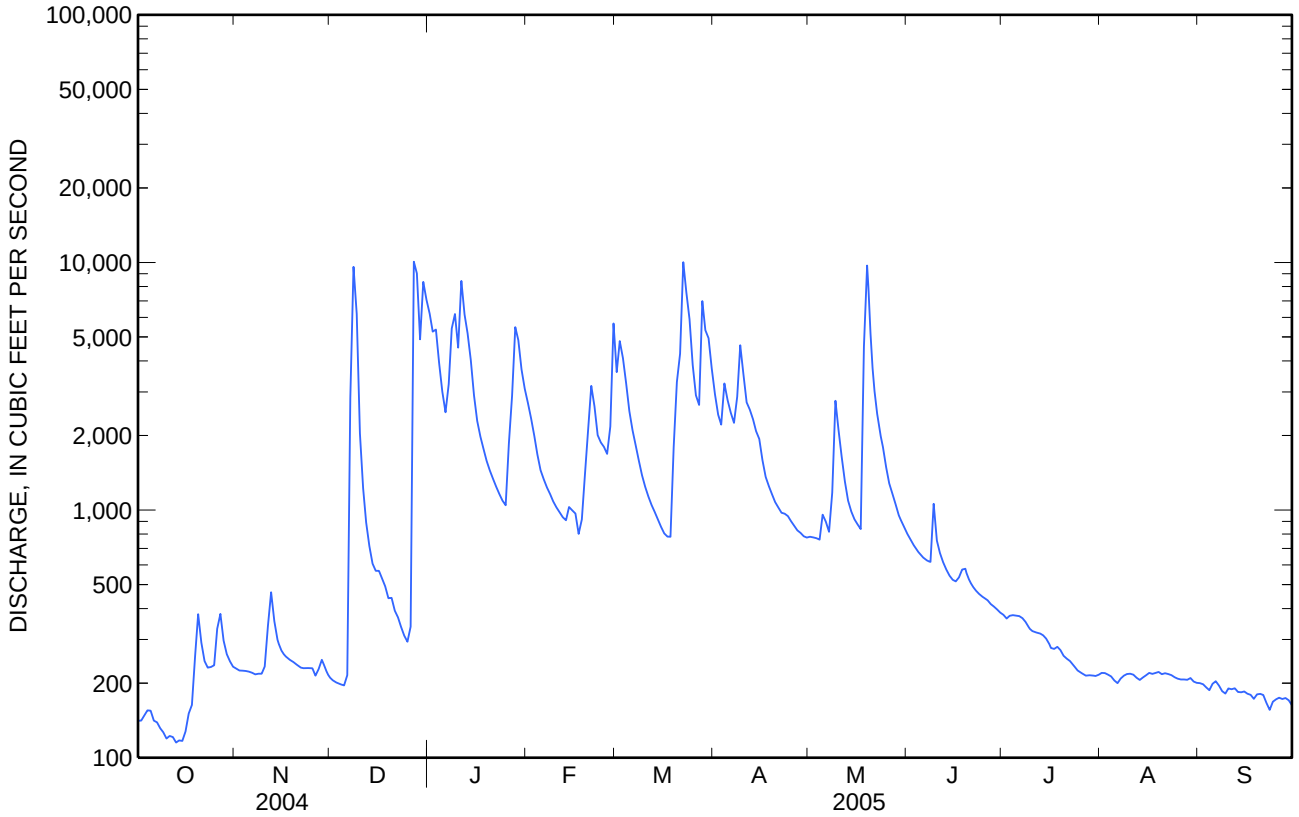
SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1940 - 2005	
Annual total	481,763		488,980			
Annual mean	1,316		1,340		1,429	
Highest annual mean					3,277	1983
Lowest annual mean					101	1977
Highest daily mean	33,800	Feb 18	10,100	Dec 27	69,300	Jan 9, 1995
Lowest daily mean	115	Oct 13	115	Oct 13	12	Jun 14, 1988
Annual seven-day minimum	120	Oct 9	120	Oct 9	21	Apr 20, 1977
Maximum peak flow			13,800	Dec 27	73,000	Jan 9, 1995
Maximum peak stage			10.12	Dec 27	30.00	Feb 28, 1940
Annual runoff (ac-ft)	955,600		969,900		1,035,000	
10 percent exceeds	2,970		3,710		3,410	
50 percent exceeds	262		535		310	
90 percent exceeds	141		185		141