

KLiCKITAT RIVER BASIN

14111400 KLiCKITAT RIVER BELOW SUMMIT CREEK, NEAR GLENWOOD, WA

LOCATION.--Lat 45°57'45", long 121°06'04", in NW 1/4 SE 1/4 sec.31, T.6 N., R.14 E., Klickitat County, Bureau of Land Management lands, Hydrologic Unit 17070106, on right bank, 3 mi downstream from Summit Creek, 10 miles southeast of Glenwood, and at mile 34.3.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 900 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. No regulation. Some upstream diversions for irrigation.

AVERAGE DISCHARGE.--6 years (water years 1997-2002), 1,515 ft³/s, 1,097,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,030 ft³/s Apr. 20, 1997, gage height, 7.92 ft; minimum discharge, 502 ft³/s Oct. 2, 5-10, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 21,000 ft³/s Feb. 8, 1996, gage height, 14.4 ft, from high-water mark, from rating extended above 4,500 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 08	1545	4,930	7.27	May 30	0130	3,310	6.26
Apr. 14	1230	*5,480	*7.60				

Minimum discharge, 502 ft³/s Oct. 2, 5-10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	516	710	778	793	1120	1490	1600	2100	2690	1540	796	655
2	514	653	821	828	1090	1420	1710	2390	2610	1430	787	665
3	513	633	775	815	1060	1360	1680	2480	2540	1360	785	656
4	516	617	743	793	1020	1330	1710	2330	2430	1310	781	623
5	509	609	729	790	1010	1310	1810	2210	2540	1240	763	609
6	511	601	732	950	1000	1340	1880	2060	2560	1210	743	607
7	506	586	731	2680	1030	1290	1980	1920	2230	1220	727	612
8	507	578	732	4750	1070	1230	2000	1810	1980	1320	721	608
9	507	573	722	3970	1030	1200	2050	1740	1820	1210	726	607
10	512	568	710	3120	1010	1220	2170	1670	1790	1200	739	608
11	556	563	703	2560	991	1540	2300	1640	1840	1230	741	613
12	536	570	697	2320	943	2410	2400	1690	1910	1230	737	616
13	543	607	831	2090	942	2150	2890	1800	2000	1240	739	612
14	545	1280	1250	1880	937	1970	5060	1840	2170	1230	752	609
15	538	1130	1050	1710	914	1850	4260	1860	2320	1150	749	607
16	531	1000	1120	1610	912	1770	3500	1880	2290	1100	744	601
17	524	849	1620	1520	902	1670	3010	1950	2080	1080	730	617
18	518	765	1440	1440	891	1580	2650	2060	1980	1060	709	605
19	519	799	1300	1410	1020	1560	2410	2090	1840	1030	703	612
20	517	917	1210	1380	1080	1530	2320	2320	1730	963	693	612
21	516	906	1130	1350	1170	1430	2230	2360	1700	940	685	603
22	530	969	1060	1280	1600	1390	2220	2280	1730	929	687	598
23	608	963	1010	1230	2100	1370	2140	2190	1770	924	687	599
24	571	850	973	1220	2150	1350	2030	2150	1740	932	685	602
25	551	789	919	1380	1920	1360	1990	2170	1670	913	694	602
26	550	741	909	1370	1770	1370	1990	2280	1670	900	687	599
27	545	701	895	1300	1670	1370	1960	2400	1730	880	678	594
28	541	717	871	1230	1590	1370	1880	2620	1730	876	658	592
29	536	724	841	1180	---	1390	1900	3070	2250	912	666	607
30	589	719	818	1170	---	1410	1970	3150	1780	880	649	610
31	734	---	805	1150	---	1490	---	2910	---	822	640	---
TOTAL	16709	22687	28925	51269	33942	46520	69700	67420	61120	34261	22281	18360
MEAN	539	756	933	1654	1212	1501	2323	2175	2037	1105	719	612
MAX	734	1280	1620	4750	2150	2410	5060	3150	2690	1540	796	665
MIN	506	563	697	790	891	1200	1600	1640	1670	822	640	592
AC-FT	33140	45000	57370	101700	67320	92270	138200	133700	121200	67960	44190	36420

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002
MEAN	859	1052	1199	1560	1594	1924
MAX	1274	1521	1711	2343	2107	2800
(WY)	1998	2000	1999	1997	1999	1997
MIN	539	691	642	619	615	701
(WY)	2002	2001	2001	2001	2001	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1997 - 2002

	2001	2002	1997-2002
ANNUAL TOTAL	269407	473194	
ANNUAL MEAN	738	1296	1515
HIGHEST ANNUAL MEAN			1988
LOWEST ANNUAL MEAN			731
HIGHEST DAILY MEAN	1620	5060	5590
LOWEST DAILY MEAN	506	506	506
ANNUAL SEVEN-DAY MINIMUM	510	510	510
ANNUAL RUNOFF (AC-FT)	534400	938600	1097000
10 PERCENT EXCEEDS	1130	2280	2680
50 PERCENT EXCEEDS	638	1080	1240
90 PERCENT EXCEEDS	549	593	636