

KLiCKiTiT RiVer BiSiN

14107000 KLiCKiTiT RiVer ABovE WeSt FoRk NEAR GlENWooD, WA

LOCATiON.--Lat 46°15'54", long 121°14'38", in NW 1/4 SW 1/4 sec.18, T.9 N., R.13 E., Yakima County, Hydrologic Unit 17070106, Yakama Nation Reservation, on right bank 0.8 mi upstream from Swamp Creek, 1.9 mi upstream from West Fork, 17.0 mi north of Glenwood, and at mile 64.7.

DRAINAGE AREA.--151 mi².

PERIOD OF RECORD.--October 1944 to September 1977, July 1991 to current year. Monthly discharge only for October 1944, published in WSP 1318.

GAGE.--Water-stage recorder. Elevation of gage is 2,720 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records fair. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--44 years (water years 1945-77, 1992-2002), 327 ft³/s, 29.41 in/yr, 236,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,500 ft³/s Feb. 8, 1996, gage height, 5.70 ft, from high-water mark, from rating curve extended above 2,600 ft³/s; minimum discharge, 4.4 ft³/s Feb. 1, 1957 (result of freezeup, discharge measurement).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 4,850 ft³/s Dec. 2, 1977, from high-water mark.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 08	0915	1,470	2.75	May 29	2115	1,450	2.73
Apr. 14	0845	*2,120	*3.37	Jun. 15	0500	1,010	2.27
May 02	2115	1,100	2.36				

Minimum discharge, 52 ft³/s Oct. 2-6.

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	55	134	155	124	112	166	218	800	1120	419	138	92
2	55	123	127	126	108	161	251	997	1090	377	134	92
3	55	120	122	119	106	157	244	1010	1050	346	130	89
4	54	114	122	113	104	154	271	919	1020	329	130	88
5	53	116	119	112	103	151	321	842	1080	297	130	88
6	55	112	117	141	101	154	364	745	1060	282	127	88
7	55	105	110	612	102	144	427	659	865	286	126	88
8	58	102	113	1380	102	145	432	593	741	351	122	88
9	59	100	111	973	94	135	456	551	657	290	118	88
10	64	98	109	625	91	136	553	517	645	274	117	88
11	88	96	107	467	89	158	624	515	707	282	114	85
12	74	98	105	392	95	201	704	566	760	276	110	85
13	83	106	158	321	100	170	1050	641	837	265	110	85
14	79	208	242	280	93	157	1940	671	923	256	107	81
15	77	247	183	257	96	153	1500	685	963	232	106	81
16	71	239	207	245	87	149	1130	696	900	215	103	81
17	69	190	326	220	85	143	901	758	781	209	103	81
18	68	163	288	203	85	141	741	810	729	202	103	81
19	68	167	242	201	96	145	661	836	631	197	103	81
20	68	189	216	191	92	140	635	1000	585	190	103	81
21	68	190	195	184	103	131	633	1000	583	181	99	81
22	76	193	181	194	207	128	644	942	612	174	101	81
23	115	210	170	163	263	129	610	889	636	179	99	80
24	93	172	159	160	242	129	582	880	601	172	99	78
25	91	158	134	159	210	135	588	922	548	166	99	78
26	93	140	152	149	201	142	600	994	560	163	95	78
27	91	135	147	146	190	141	588	1070	587	159	95	78
28	90	147	139	146	180	142	561	1190	544	151	95	78
29	85	153	132	e140	---	148	601	1350	665	150	92	78
30	99	129	128	e130	---	156	678	1350	513	146	92	78
31	163	---	126	e120	---	184	---	1210	---	142	92	---
TOTAL	2372	4454	4942	8793	3537	4625	19508	26608	22993	7358	3392	2499
MEAN	76.5	148	159	284	126	149	650	858	766	237	109	83.3
MAX	163	247	326	1380	263	201	1940	1350	1120	419	138	92
MIN	53	96	105	112	85	128	218	515	513	142	92	78
AC-FT	4700	8830	9800	17440	7020	9170	38690	52780	45610	14590	6730	4960
CFSM	0.51	0.98	1.06	1.88	0.84	0.99	4.31	5.68	5.08	1.57	0.72	0.55
IN.	0.58	1.10	1.22	2.17	0.87	1.14	4.81	6.56	5.66	1.81	0.84	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2002, BY WATER YEAR (WY)

	127	192	239	219	259	236	460	921	730	294	139	104
MEAN	127	192	239	219	259	236	460	921	730	294	139	104
MAX	291	464	983	615	1470	713	990	1714	1730	637	257	174
(WY)	1998	1996	1996	1974	1996	1972	1997	1956	1974	1974	1974	1997
MIN	58.1	61.3	71.1	69.3	78.3	98.1	170	224	170	89.8	61.7	56.8
(WY)	1994	1994	1993	1993	1994	1977	1955	1977	1992	1977	1994	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1945 - 2002

ANNUAL TOTAL		53196		111081								
ANNUAL MEAN		146		304						327		
HIGHEST ANNUAL MEAN										539		1996
LOWEST ANNUAL MEAN										126		1977
HIGHEST DAILY MEAN				521	May 24		1940	Apr 14	5000		Feb 8	1996
LOWEST DAILY MEAN				52	Sep 24		53	Oct 5		4.5	Feb 1	1957
ANNUAL SEVEN-DAY MINIMUM				53	Sep 18		55	Oct 1		5.6	Jan 30	1957
ANNUAL RUNOFF (AC-FT)		105500		220300						236800		
ANNUAL RUNOFF (CFSM)		0.97		2.02						2.16		
ANNUAL RUNOFF (INCHES)		13.11		27.37						29.41		
10 PERCENT EXCEEDS		285		804						774		
50 PERCENT EXCEEDS		109		153						188		
90 PERCENT EXCEEDS		59		81						90		

e Estimated