

METHOW RIVER BASIN

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12449760 METHOW RIVER AT CARLTON, WA

LOCATION.--Lat 48°14'11", long 120°06'43", in NE 1/4 NW 1/4 sec.32, T.32 N., R.22 E., Okanogan County, Hydrologic Unit 17020008, on left bank approximately 0.5 mile downstream from Methow Valley Irrigation District diversion return, and 1.0 mile south of Carlton, WA city limits.

DRAINAGE AREA.--1,531 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 2001 to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 1,450 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for estimated daily discharges, which are poor, and discharges above 7,000 ft³/s, which are poor. Several small diversions for irrigation upstream from station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,000 ft³/s June 16, 2002 gage height, 9.08 ft; maximum gage height 9.48 ft June 16, 2002, from outside high-water mark; minimum discharge, 244 ft³/s Dec. 27, 2001, but may have been lower during periods of ice effect.

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	e246	e264	305	273	281	365	611	2340	8060	3850	873	352
2	e251	e264	300	283	282	364	643	3080	7680	3280	804	345
3	e251	e259	299	275	283	361	636	3420	7630	2900	749	341
4	e251	e259	292	270	278	363	643	3190	7820	2790	713	334
5	e251	e259	282	271	277	368	689	2900	8360	2560	679	332
6	e254	e259	289	280	277	369	767	2610	8680	2340	654	334
7	e259	e256	284	284	280	368	866	2390	7260	3290	644	334
8	e262	e254	288	293	283	367	928	2190	6030	3040	616	333
9	e270	e252	280	311	274	361	961	2030	5070	3230	581	330
10	e289	e247	276	305	272	371	978	1890	4650	2770	556	322
11	e289	e245	279	299	272	374	1010	1800	5090	2840	545	314
12	e289	e245	280	298	262	382	1100	1860	6250	2990	536	307
13	e285	e245	283	296	e254	375	1280	2210	7340	2700	514	298
14	e282	e264	286	291	e272	369	2030	2810	8610	2650	499	295
15	e282	e291	274	e277	e269	369	2370	3090	9290	2460	489	293
16	e276	e303	e274	e274	267	375	2110	3030	9620	2130	476	288
17	e274	e315	e278	e271	272	372	1880	3220	8010	2000	464	283
18	e271	e315	e281	e265	268	363	1700	3680	6870	1880	449	282
19	e271	e309	e274	280	269	367	1580	3800	5740	1760	435	281
20	e269	e309	e262	289	270	373	1530	4670	5130	1650	422	279
21	e266	e309	e276	291	278	363	1560	6570	5210	1490	415	279
22	e266	e312	287	273	280	359	1650	6160	5730	1380	411	282
23	e267	e316	282	e268	354	361	1690	5280	6250	1300	400	280
24	e270	e316	280	e282	389	372	1630	4800	5960	1270	386	277
25	e269	e310	276	e296	348	399	1590	4790	5530	1240	385	274
26	e265	e309	273	e285	344	419	1560	5130	5670	1220	422	281
27	e265	e309	253	e275	361	435	1530	5710	6260	1180	421	277
28	e265	e309	277	e265	376	446	1490	7100	5770	1090	402	274
29	e265	e307	280	e250	---	468	1520	8960	5210	1030	385	272
30	e261	e305	276	e266	---	489	1740	9530	4720	982	369	270
31	e260	---	274	286	---	540	---	8940	---	933	362	---
TOTAL	8291	8516	8700	8722	8192	12027	40272	129180	199500	65225	16056	9043
MEAN	267	284	281	281	293	388	1342	4167	6650	2104	518	301
MAX	289	316	305	311	389	540	2370	9530	9620	3850	873	352
MIN	246	245	253	250	254	359	611	1800	4650	933	362	270
AC-FT	16450	16890	17260	17300	16250	23860	79880	256200	395700	129400	31850	17940

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

	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MEAN	267	284	281	281	293	388	1342	4167	6650	2104	518	301
MAX	267	284	281	281	293	388	1342	4167	6650	2104	518	301
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	267	284	281	281	293	388	1342	4167	6650	2104	518	301
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS

FOR 2002 WATER YEAR

ANNUAL TOTAL	513724
ANNUAL MEAN	1407
HIGHEST DAILY MEAN	9620 Jun 16
LOWEST DAILY MEAN	245 Nov 11
ANNUAL SEVEN-DAY MINIMUM	249 Nov 7
ANNUAL RUNOFF (AC-FT)	1019000
10 PERCENT EXCEEDS	5080
50 PERCENT EXCEEDS	361
90 PERCENT EXCEEDS	266

e Estimated