

METHOW RIVER BASIN

12447382 EARLY WINTERS CREEK NEAR MAZAMA, WA

LOCATION.--Lat 48°35'55", long 120°26'31", in NE 1/4 NE 1/4 sec.26, T.10 N., R.19 E., Okanogan County, Hydrologic Unit 17020008, on left bank 80 ft downstream from Hwy 20 bridge crossing, 0.3 mi upstream from mouth, and 1.7 mi northwest of Mazama.

DRAINAGE AREA.--80.15 mi².

PERIOD OF RECORD.--October 2000 to current year. Miscellaneous discharge measurements 1975-89, 1990.

GAGE.--Water-stage recorder. Elevation of gage is 2,180 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. No regulation. Several diversions upstream for irrigation.

AVERAGE DISCHARGE.--2 years (water years 2001-2002), 124 ft³/s, 89,520 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,420 ft³/s May 28, 2002, gage height, 14.66 ft; maximum gage height, 14.82 ft May 28, 2002, from outside high water mark; minimum daily discharge 9.0 ft³/s Feb. 20-22, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,420 ft³/s May 28, gage height, 14.66 ft; maximum gage height, 14.82 ft May 28, from outside high water mark; minimum discharge 15 ft³/s Oct. 5-10, Nov. 7.

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	18	22	e29	21	e23	64	50	365	940	461	99	36
2	17	21	30	21	e23	61	50	477	910	414	84	36
3	17	21	29	21	23	59	51	492	925	391	79	35
4	16	20	e27	20	22	57	53	453	971	393	74	33
5	16	21	e27	20	22	56	60	412	1150	345	71	31
6	16	20	e26	21	22	54	71	361	1000	326	69	30
7	15	18	27	23	22	54	83	315	861	359	65	29
8	16	21	26	32	22	53	90	280	715	548	56	27
9	15	19	e24	32	22	50	95	251	601	453	53	26
10	16	19	e24	28	21	49	98	234	586	433	58	29
11	18	19	e24	27	e21	50	105	230	718	470	59	31
12	17	19	e23	28	e21	49	119	251	883	454	55	30
13	19	22	e24	27	e21	46	170	324	1060	436	53	29
14	18	40	e24	27	e21	44	333	415	1290	451	55	28
15	18	49	e23	e26	e21	43	335	427	1390	392	56	28
16	17	47	e24	e25	e21	42	293	422	1260	343	52	28
17	17	41	e23	e25	21	40	259	463	842	332	48	28
18	16	39	e24	e24	21	43	232	511	709	311	45	27
19	17	41	e22	e24	21	39	215	522	629	293	42	27
20	17	42	e22	e24	21	41	206	648	624	257	41	27
21	17	41	e22	e24	24	38	208	773	713	220	41	26
22	19	41	e21	e23	114	36	212	722	776	202	40	26
23	23	38	e21	e22	112	36	208	625	763	200	39	25
24	21	35	e21	e22	e82	36	201	587	765	209	40	24
25	20	35	e21	e25	e78	36	196	586	734	206	45	24
26	19	33	e20	e24	e76	37	192	608	774	204	48	23
27	20	31	e22	e23	e72	38	187	688	798	184	44	23
28	20	31	e22	e22	68	39	186	946	704	155	42	22
29	18	e28	e21	e21	---	41	197	1440	691	142	41	22
30	19	e29	21	e24	---	43	245	1420	588	129	40	22
31	25	---	21	e24	---	46	---	1100	---	117	38	---
TOTAL	557	903	735	750	1058	1420	5000	17348	25370	9830	1672	832
MEAN	17.97	30.10	23.71	24.19	37.79	45.81	166.7	559.6	845.7	317.1	53.94	27.73
MAX	25	49	30	32	114	64	335	1440	1390	548	99	36
MIN	15	18	20	20	21	36	50	230	586	117	38	22
AC-FT	1100	1790	1460	1490	2100	2820	9920	34410	50320	19500	3320	1650
CFSM	0.22	0.38	0.30	0.30	0.47	0.57	2.08	6.98	10.5	3.95	0.67	0.35
IN.	0.26	0.42	0.34	0.35	0.49	0.66	2.32	8.05	11.77	4.56	0.78	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MEAN	20.66	24.77	19.06	18.29	24.44	31.82	107.8	435.6	534.6	194.5	43.50	24.60
MAX	23.4	30.1	23.7	24.2	37.8	45.8	167	560	846	317	53.9	27.7
(WY)	2001	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	18.0	19.4	14.4	12.4	11.1	17.8	49.0	312	224	71.8	33.1	21.5
(WY)	2002	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 2001 - 2002

ANNUAL TOTAL	25171.9	65475		
ANNUAL MEAN	68.96	179.4	123.6	
HIGHEST ANNUAL MEAN			179	2002
LOWEST ANNUAL MEAN			67.8	2001
HIGHEST DAILY MEAN	831	May 24	1440	May 29 2002
LOWEST DAILY MEAN	9.0	Feb 20	15	Oct 7 2001
ANNUAL SEVEN-DAY MINIMUM	9.3	Feb 17	16	Oct 4 2001
ANNUAL RUNOFF (AC-FT)	49930		129900	89520
ANNUAL RUNOFF (CFSM)	0.86		2.24	1.54
ANNUAL RUNOFF (INCHES)	11.68		30.37	20.93
10 PERCENT EXCEEDS	179		614	392
50 PERCENT EXCEEDS	26		41	29
90 PERCENT EXCEEDS	12		20	14

e Estimated