12447390 ANDREWS CREEK NEAR MAZAMA, WA
(Hydrologic benchmark station)

LOCATION.--Lat 48°49'23", long 120°08'41", in NE $^1/_4$ sec.1, T.38 N., R.21 E., Okanogan County, Hydrologic Unit 17020008, Okanogan National Forest, on left bank 50 ft upstream from Blizzard Creek, 3.5 mi upstream from mouth, and 20 mi northeast of Mazama.

DRAINAGE AREA.--22.1 mi^2.

PERIOD OF RECORD.--June 1968 to current year.

REVISED RECORDS.--WDR WA-76-2: 1975. WDR WA-77-2: 1976.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,300 ft above sea level, from topographic map.

REMARKS.--Records poor. No regulation or diversion. Chemical analyses water years 1972-96.

AVERAGE DISCHARGE.--33 years (water years 1969-2001), 31.4 ft^3/s, 19.30 in/yr, 22,740 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,120 ft^3/s June 10, 1972, gage height, 4.00 ft, from rating curve extended above 440 ft^3/s; minimum discharge, 1.2 ft^3/s Nov. 4, Dec. 30, 1968, Nov. 20, 1970, Apr. 7, 1975.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 25	unknown	(a)*222	(a)*2.58	No other peak greater than base disharge.			

Minimum discharge, 1.4 ft^3/s Apr. 12 and 14, but may have been lower during periods of missing record.
(a) From outside high-water mark.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.3	e3.3	2.5	e1.9	e1.7	1.9	7.3	e52	23	8.3	4.5
2	4.1	4.4	3.5	2.5	e1.8	e1.7	1.8	7.0	e50	21	7.9	4.6
3	4.0	4.3	3.4	2.5	e1.7	e1.5	1.8	7.0	e46	20	7.7	4.3
4	4.0	4.7	3.4	2.5	e1.8	e1.6	1.8	7.3	e42	19	8.1	4.1
5	3.9	4.3	3.2	2.5	e1.8	1.8	1.8	7.8	e40	18	7.4	4.0
6	3.9	4.2	3.2	2.4	e1.7	1.8	1.8	7.5	e50	17	7.1	3.9
7	3.9	4.2	3.2	2.5	e1.8	1.8	1.8	8.4	e45	16	6.9	3.9
8	3.9	4.1	3.1	2.5	e1.9	1.8	1.8	12	42	15	6.6	3.7
9	4.0	4.2	3.0	2.4	e1.8	1.9	1.8	16	41	14	6.3	3.6
10	3.9	3.5	2.9	2.4	e1.8	1.8	1.8	17	38	14	6.1	3.5
11	3.9	3.0	e2.7	2.4	e1.8	1.8	1.8	22	38	13	5.9	3.4
12	3.8	4.1	e2.8	2.4	e1.7	1.8	1.8	34	41	12	5.7	3.3
13	3.7	3.9	e2.9	2.4	e1.7	1.8	1.8	57	39	13	5.4	3.2
14	3.6	3.6	e3.1	2.4	e1.7	1.7	1.8	53	37	12	5.3	3.1
15	3.5	3.2	e2.9	e2.1	e1.7	1.7	1.8	41	33	12	5.1	3.0
16	3.9	e2.9	e2.8	e2.0	e1.7	1.7	1.9	38	30	13	4.8	3.0
17	4.3	e2.7	e2.8	e2.0	e1.6	1.7	2.3	33	29	19	4.7	2.9
18	4.3	e3.2	e2.8	e2.0	e1.6	1.8	2.2	31	29	15	4.6	2.8
19	4.2	e3.5	e2.7	e2.0	e1.5	1.8	2.1	35	27	13	4.5	2.8
20	4.3	e3.7	e2.7	e2.0	e1.5	1.7	2.2	35	26	12	4.4	2.8
21	4.3	e3.5	e2.7	e2.0	e1.6	1.7	2.2	46	25	12	4.3	2.8
22	3.6	e3.4	e2.7	e2.0	e1.8	1.7	2.2	85	25	12	5.7	2.8
23	4.1	e3.4	e2.7	e2.0	1.8	1.8	2.3	126	24	11	13	2.8
24	3.7	e3.4	e2.7	e1.8	1.8	1.8	2.8	e140	23	10	7.9	2.7
25	3.8	e3.4	e2.5	e2.1	1.8	2.5	4.4	e150	27	10	6.5	2.6
26	3.6	e3.4	e2.7	e2.0	e1.5	2.2	6.1	e130	25	9.4	5.8	4.5
27	3.8	e3.4	e2.7	e2.0	e1.5	2.0	8.0	e110	36	9.1	5.5	5.7
28	6.7	e3.3	e2.6	e1.8	e1.6	1.9	11	e98	35	9.8	5.2	4.2
29	5.8	e3.3	e2.6	e2.0	---	1.9	11	e80	28	9.5	4.9	3.7
30	5.0	e3.3	e2.6	e2.1	---	1.9	8.6	e62	25	8.9	4.7	3.4
31	4.7	---	2.6	e1.9	---	1.9	---	e56	---	8.8	4.6	---
TOTAL	128.6	109.8	89.5	68.1	47.9	56.2	96.4	1559.3	1048	421.5	190.9	105.6
MEAN	4.15	3.66	2.89	2.20	1.71	1.81	3.21	50.3	34.9	13.6	6.16	3.52
MAX	6.7	4.7	3.5	2.5	1.9	2.5	11	150	52	23	13	5.7
MIN	3.5	2.7	2.5	1.8	1.5	1.5	1.8	7.0	23	8.8	4.3	2.6
AC-FT	255	218	178	135	95	111	191	3090	2080	836	379	209
CFSM	.19	.17	.13	.10	.08	.08	.15	2.28	1.58	.62	.28	.16
IN.	.22	.18	.15	.11	.08	.09	.16	2.62	1.76	.71	.32	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2001, BY WATER YEAR (WY)

MEAN	6.71	6.53	5.01	4.12	3.62	3.82	15.2	111	152	46.5	13.9	8.48
MAX	19.1	22.1	13.4	10.3	6.53	6.85	49.9	205	419	125	34.7	40.8
(WY)	1979	2000	2000	1984	1982	1992	1994	1998	1974	1999	1976	1978
MIN	2.58	2.72	2.17	1.69	1.71	1.81	2.95	36.4	34.9	13.6	5.36	3.28
(WY)	1971	1971	1971	1971	2001	2001	1975	1984	2001	2001	1973	1970

12447390 ANDREWS CREEK NEAR MAZAMA, WA--Continued
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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1968 - 2001	
ANNUAL TOTAL	9312.9		3921.8			
ANNUAL MEAN	25.4		10.7		31.4	
HIGHEST ANNUAL MEAN					59.1	1972
LOWEST ANNUAL MEAN					10.7	2001
HIGHEST DAILY MEAN	147	Jun 5	150	May 25	874	Jun 16 1974
LOWEST DAILY MEAN	2.5	Dec 25	1.5	Feb 19	1.2	Dec 30 1968
ANNUAL SEVEN-DAY MINIMUM	2.6	Dec 25	1.6	Feb 26	1.4	Apr 4 1975
ANNUAL RUNOFF (AC-FT)	18470		7780		22740	
ANNUAL RUNOFF (CFSM)	1.15		.49		1.42	
ANNUAL RUNOFF (INCHES)	15.68		6.60		19.30	
10 PERCENT EXCEEDS	92		32		100	
50 PERCENT EXCEEDS	6.8		3.6		6.5	
90 PERCENT EXCEEDS	3.4		1.8		2.9	

e Estimated