ENTIAT RIVER BASIN

12452800 ENTIAT RIVER NEAR ARDENVOIR, WA

LOCATION.--Lat 47°49'07", long 120°25'19", in NE $^1/_4$ NE $^1/_4$ sec.27, T.27 N., R.19 E., Chelan County, Hydrologic Unit 17020010, on left bank 0.5 mi downstream from Stormy Creek, 6.0 mi northwest of Ardenvoir, and at mile 18.0.

DRAINAGE AREA.--203 mi^2.

PERIOD OF RECORD.--September 1957 to current year.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,560.97 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station. Water temperature July 1968 to September 1970.

AVERAGE DISCHARGE.--45 years (water years 1958-2002), 378 ft^3/s, 25.29 in/yr, 273,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,430 ft^3/s June 10, 1972, gage height, 8.98 ft; minimum discharge, 20 ft^3/s Nov. 24, 25, 1993.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,750 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 30	0330	2,320	5.63	June 16	0245	*2,860	*6.19
June 6	0415	2,320	5.63	June 27	0915	1,980	5.26

Minimum discharge, 44 ft^3/s Oct. 10, gage height 0.81 ft.

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	57	75	103	72	111	144	147	543	1840	1280	308	146
2	55	66	100	73	106	144	149	686	1780	1070	283	144
3	53	64	100	71	104	142	148	775	1820	957	265	145
4	50	62	97	69	102	140	152	760	1880	904	248	137
5	49	61	94	68	99	140	164	716	2100	837	236	126
6	49	59	95	70	100	139	178	660	2210	788	229	117
7	48	55	90	99	100	135	188	610	1880	774	226	112
8	48	52	89	274	98	132	194	563	1530	979	208	107
9	47	56	84	242	93	129	202	527	1280	980	200	102
10	47	56	84	197	92	129	210	492	1180	895	208	98
11	61	56	84	182	91	138	225	478	1270	940	217	95
12	55	56	72	174	80	140	241	496	1520	993	209	92
13	59	63	82	165	82	132	291	566	1860	941	203	91
14	57	137	90	157	90	128	555	630	2270	937	206	89
15	55	232	80	e130	88	127	563	670	2630	858	218	87
16	53	221	91	e125	87	127	514	693	2760	769	207	86
17	52	171	105	e118	90	125	473	754	2280	725	195	86
18	50	149	84	e116	85	119	430	848	1890	683	184	84
19	51	147	88	e115	87	121	402	882	1620	655	175	82
20	52	147	91	e124	86	121	385	1010	1470	608	167	80
21	50	147	94	e130	88	116	382	1160	1490	547	163	80
22	55	146	89	124	154	115	392	1170	1680	519	158	76
23	75	133	85	124	213	116	392	1080	1830	512	155	74
24	62	118	83	131	176	118	384	1030	1810	520	158	72
25	62	119	76	131	152	124	382	1040	1680	509	164	72
26	61	111	74	124	158	128	384	1110	1760	473	175	71
27	63	105	77	e110	153	129	387	1230	1940	451	161	71
28	63	102	77	e100	152	129	378	1520	1810	402	156	69
29	57	98	74	e90	---	131	391	1980	1840	383	154	67
30	62	104	73	e100	---	132	437	2250	1640	363	153	67
31	85	---	73	e105	---	139	---	2050	---	339	155	---
TOTAL	1743	3168	2678	3910	3117	4029	9720	28979	54550	22591	6144	2825
MEAN	56.2	106	86.4	126	111	130	324	935	1818	729	198	94.2
MAX	85	232	105	274	213	144	563	2250	2760	1280	308	146
MIN	47	52	72	68	80	115	147	478	1180	339	153	67
AC-FT	3460	6280	5310	7760	6180	7990	19280	57480	108200	44810	12190	5600
CFSM	0.28	0.52	0.43	0.62	0.55	0.64	1.60	4.60	8.96	3.59	0.98	0.46
IN.	0.32	0.58	0.49	0.72	0.57	0.74	1.78	5.31	10.00	4.14	1.13	0.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2002, BY WATER YEAR (WY)

MEAN	98.6	128	126	106	114	149	326	1065	1440	643	219	113
MAX	292	468	506	308	321	437	753	1862	2793	1589	577	210
(WY)	1960	1996	1976	1981	1996	1972	1996	1958	1974	1999	1999	1978
MIN	51.9	45.3	49.3	47.7	51.3	67.9	93.2	380	450	179	99.3	58.5
(WY)	1988	1994	1994	1988	1993	1993	1967	1977	2001	1977	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1957 - 2002	
ANNUAL TOTAL	58824		143454			
ANNUAL MEAN	161		393		378	
HIGHEST ANNUAL MEAN					621	1972
LOWEST ANNUAL MEAN					161	2001
HIGHEST DAILY MEAN	1290	May 25	2760	Jun 16	5100	Jun 16 1974
LOWEST DAILY MEAN	38	Feb 7	47	Oct 9	22	Nov 24 1993
ANNUAL SEVEN-DAY MINIMUM	48	Oct 4	48	Oct 4	32	Nov 22 1993
ANNUAL RUNOFF (AC-FT)	116700		284500		273800	
ANNUAL RUNOFF (CFSM)	0.79		1.94		1.86	
ANNUAL RUNOFF (INCHES)	10.78		26.29		25.29	
10 PERCENT EXCEEDS	389		1170		1110	
50 PERCENT EXCEEDS	84		140		144	
90 PERCENT EXCEEDS	55		63		66	

e Estimated