LEWIS RIVER BASIN

14222500 EAST FORK LEWIS RIVER NEAR HEISSON, WA

LOCATION.--Lat 45°50'13", long 122°27'54", in NE $^1/_4$ NW $^1/_4$ sec.17, T.4 N., R.3 E., Clark County, Hydrologic Unit 17080002, on right bank 60 ft downstream from Basket Creek, 1.5 mi northeast of Heisson, 3.4 mi southwest of Yacolt, and at mile 20.2.

DRAINAGE AREA.--125 mi^2.

PERIOD OF RECORD.--September 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 356.8 ft above NGVD of 1929 (from river-profile survey). Prior to Oct. 1, 1987, at datum 10.00 ft higher.

REMARKS.--Records good, except for estimated daily discharges which are fair. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--73 years (water years 1930-2002), 741 ft^3/s, 80.52 in/yr, 536,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,600 ft^3/s Feb. 8, 1996, from indirect measurement, gage height, 25.26 ft; minimum discharge, 29 ft^3/s Nov. 3, 1935, Sept. 27, 28, 1967.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 25	1015	*6,330	*18.01	No other peak greater than base discharge.			

Minimum discharge, 42 ft^3/s Oct. 5.

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	50	854	3580	540	1130	758	687	550	462	320	79	57
2	49	1010	3240	638	985	666	685	549	414	271	77	56
3	49	786	2370	627	1010	598	662	532	375	240	76	55
4	47	571	2050	600	956	551	671	479	356	218	77	54
5	43	546	1820	594	929	549	801	509	356	198	87	54
6	44	434	1990	937	1080	788	901	494	338	182	78	54
7	49	370	2160	4400	1870	717	1020	445	305	174	76	55
8	66	326	1740	4360	2100	630	938	409	292	186	74	55
9	65	293	1550	2550	1760	576	1110	385	266	162	72	55
10	88	265	1390	1720	1450	746	2170	362	249	143	71	52
11	186	241	1320	1300	1250	3030	2090	349	244	135	72	51
12	111	247	1330	1360	1060	3520	1830	370	249	129	69	51
13	194	451	2910	1320	916	2280	2070	466	259	123	66	50
14	157	2880	2720	1080	794	1810	3560	480	256	119	64	49
15	134	1580	e2100	889	711	1490	2140	439	235	114	63	49
16	105	1240	e4200	780	668	1280	1670	410	219	110	63	58
17	108	977	e3700	691	620	1080	1480	421	219	106	63	107
18	90	781	e2500	669	619	980	1270	421	366	103	62	65
19	84	776	e2100	974	1350	1900	1100	415	293	100	63	57
20	79	923	1820	1260	1240	2010	959	435	235	101	64	55
21	82	1260	1460	1490	2070	1610	847	414	213	97	64	53
22	252	3210	1190	1290	2430	1310	762	551	202	93	66	50
23	725	3200	985	1140	3120	1100	691	493	190	89	63	48
24	553	1850	839	1750	2780	1160	635	440	176	88	61	48
25	344	1290	732	4860	1790	1130	601	416	165	87	60	49
26	268	995	649	3030	1320	1040	594	419	158	91	63	48
27	242	814	588	2050	1050	947	596	425	153	90	63	47
28	235	1260	592	1530	882	868	539	554	189	88	59	48
29	202	2350	515	1210	---	804	526	968	848	86	57	59
30	493	2370	471	1020	---	742	544	677	414	83	56	177
31	1170	---	474	1110	---	708	---	539	---	81	59	---
TOTAL	6364	34150	55085	47769	37940	37378	34149	14816	8696	4207	2087	1766
MEAN	205	1138	1777	1541	1355	1206	1138	478	290	136	67.3	58.9
MAX	1170	3210	4200	4860	3120	3520	3560	968	848	320	87	177
MIN	43	241	471	540	619	549	526	349	153	81	56	47
AC-FT	12620	67740	109300	94750	75250	74140	67730	29390	17250	8340	4140	3500
CFSM	1.64	9.11	14.2	12.3	10.8	9.65	9.11	3.82	2.32	1.09	0.54	0.47
IN.	1.89	10.16	16.39	14.22	11.29	11.12	10.16	4.41	2.59	1.25	0.62	0.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2002, BY WATER YEAR (WY)

MEAN	348	1090	1489	1407	1287	1105	917	592	346	146	82.5	112
MAX	1318	2502	3957	3460	2636	2432	1818	1254	914	561	278	555
(WY)	1952	1996	1934	1953	1961	1932	1937	1933	1933	1983	1968	1941
MIN	36.7	53.7	288	303	394	352	312	198	88.2	59.4	42.7	42.3
(WY)	1988	1937	1977	1979	1977	1992	1941	1931	1992	1992	1992	1967

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1930 - 2002	
ANNUAL TOTAL	209482		284387			
ANNUAL MEAN	574		779		741	
HIGHEST ANNUAL MEAN					1117	1974
LOWEST ANNUAL MEAN					411	2001
HIGHEST DAILY MEAN	4200	Dec 16	4860	Jan 25	21000	Feb 8 1996
LOWEST DAILY MEAN	43	Oct 5	43	Oct 5	30	Sep 27 1967
ANNUAL SEVEN-DAY MINIMUM	47	Oct 1	47	Oct 1	32	Sep 23 1967
ANNUAL RUNOFF (AC-FT)	415500		564100		536700	
ANNUAL RUNOFF (CFSM)	4.59		6.23		5.93	
ANNUAL RUNOFF (INCHES)	62.34		84.63		80.52	
10 PERCENT EXCEEDS	1320		2030		1760	
50 PERCENT EXCEEDS	374		515		449	
90 PERCENT EXCEEDS	62		59		64	

e Estimated