

PEND OREILLE RIVER BASIN

12397100 OUTLET CREEK NEAR METALINE FALLS, WA

LOCATION.--Lat 48°50'42", long 117°17'12", in SW 1/4 SE 1/4 sec.30, T.39 N., R.44 E., Pend Oreille County, Hydrologic Unit 17010216, Colville National Forest, on right bank 0.1 mi upstream from mouth, 0.4 mi downstream from Sullivan Lake Dam, and 4 mi east of Metaline Falls.

DRAINAGE AREA.--51.5 mi².

PERIOD OF RECORD.--January 1959 to current year.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,540.2 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Sullivan Lake 0.4 mi upstream (station 12397000). No diversions upstream from station.

AVERAGE DISCHARGE.--43 years (water years 1960-2002), 74.5 ft³/s, 53,970 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 924 ft³/s May 31, 1969, gage height, 12.26 ft; minimum discharge, 1.5 ft³/s part or all of each day Mar. 4-10, 1990; minimum gage height, 8.76 ft part of each day Apr. 9-12, 1973, and Mar. 4-10, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 308 ft³/s Nov. 16, gage height, 10.77 ft, result of regulation; minimum discharge, 10 ft³/s May 3, result of regulation.

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	12	203	137	30	34	29	26	12	143	102	22	21
2	12	202	119	30	33	28	22	12	169	98	22	21
3	12	200	108	29	32	28	21	16	213	88	22	21
4	12	197	98	26	32	27	21	20	244	79	22	21
5	12	218	89	24	31	27	21	19	263	79	22	20
6	12	235	80	23	31	27	22	19	283	78	22	20
7	12	238	72	26	31	27	22	18	298	76	22	20
8	12	252	67	37	32	27	17	17	306	83	22	20
9	12	252	62	48	31	27	14	16	306	85	22	20
10	12	247	58	54	30	28	15	15	257	85	22	20
11	12	244	54	57	30	30	15	15	232	84	22	20
12	12	239	50	61	29	31	16	15	232	84	22	20
13	12	250	51	61	29	31	16	16	232	81	22	20
14	12	269	48	59	27	31	18	16	233	81	22	20
15	12	278	45	57	27	31	19	16	233	74	21	20
16	12	292	44	55	26	31	24	16	233	67	21	19
17	12	300	42	53	25	31	22	16	237	66	21	19
18	12	290	39	52	25	30	23	17	255	64	21	19
19	12	293	38	51	25	30	24	e18	263	58	21	19
20	12	289	37	51	26	30	24	e20	261	52	21	19
21	12	284	37	50	26	29	25	e22	241	51	21	19
22	54	278	35	50	24	28	25	e24	217	38	21	19
23	110	263	33	48	26	28	25	e25	213	22	21	19
24	139	249	32	45	28	27	25	25	190	22	21	19
25	171	236	32	36	29	27	23	25	168	22	21	19
26	179	227	31	36	29	27	18	26	149	22	21	19
27	179	217	31	36	29	28	15	26	135	22	21	19
28	177	193	31	35	29	28	14	27	127	22	21	19
29	183	174	31	34	---	28	12	28	124	22	21	19
30	191	154	30	34	---	27	12	21	106	22	21	19
31	197	---	30	34	---	27	---	79	---	22	21	---
TOTAL	1832	7263	1691	1322	806	885	596	657	6563	1851	665	589
MEAN	59.10	242.1	54.55	42.65	28.79	28.55	19.87	21.19	218.8	59.71	21.45	19.63
MAX	197	300	137	61	34	31	26	79	306	102	22	21
MIN	12	154	30	23	24	27	12	12	106	22	21	19
AC-FT	3630	14410	3350	2620	1600	1760	1180	1300	13020	3670	1320	1170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2002, BY WATER YEAR (WY)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MEAN	204.5	204.3	83.85	43.22	30.76	31.34	24.01	38.57	146.3	45.68	24.03	26.98
MAX	395	343	382	201	130	323	132	239	437	133	63.1	157
(WY)	1991	1985	1960	1984	1984	1959	1974	1961	1974	1999	1999	1965
MIN	15.7	18.0	16.2	13.4	8.15	2.07	1.93	3.60	5.51	6.58	6.93	6.99
(WY)	1974	1962	1976	1979	1981	1990	1973	1977	1977	1977	1977	1977

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1959 - 2002

ANNUAL TOTAL	14069.6	24720	
ANNUAL MEAN	38.55	67.73	74.50
HIGHEST ANNUAL MEAN			132
LOWEST ANNUAL MEAN			42.7
HIGHEST DAILY MEAN	300	Nov 17	306
LOWEST DAILY MEAN	6.3	Jun 1	12
ANNUAL SEVEN-DAY MINIMUM	7.9	May 31	12
ANNUAL RUNOFF (AC-FT)	27910		49030
10 PERCENT EXCEEDS	161		232
50 PERCENT EXCEEDS	12		28
90 PERCENT EXCEEDS	9.7		16

e Estimated