



Water-Data Report 2008

12043300 HOKO RIVER NEAR SEKIU, WA

Puget Sound Basin
Crescent-Hoko Subbasin

LOCATION.--Lat 48°14'30", long 124°22'57" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.28, T.32 N., R.13 W., Clallam County, WA, Hydrologic Unit 17110021, on right bank 2.2 mi upstream from Little Hoko River, 4.0 mi southwest of Sekiu, and at mile 5.3.

DRAINAGE AREA.--51.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1962 to September 1974, water years 1976-78 (annual maximum), June 1983 to September 1995 (seasonal records), October 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good, except flows above 2,000 cfs, which are fair. No regulation or diversion upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--25 years (water years 1963-74, 1996-2008), 399 ft³/s, 105.88 in/yr, 289,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,400 ft³/s, Dec. 15, 1999, gage height, 16.75 ft, from rating curve extended above 2,100 ft³/s, on basis of slope-area measurement at gage height, 12.49 ft; minimum discharge, 10 ft³/s, Sept. 5, 6, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 3	0945	*8,110	*10.58
No other peak greater than base discharge			

Minimum discharge, 19 ft³/s, Aug. 17-19, gage height, 0.82 ft.

12043300 HOKO RIVER NEAR SEKIU, WA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	272	170	189	591	508	284	275	229	72	49	56	109
2	749	153	409	882	476	228	243	208	70	47	50	89
3	641	198	5,500	890	393	278	216	195	90	45	36	76
4	418	348	3,380	1,000	332	297	207	175	104	44	30	67
5	295	251	1,820	1,470	627	249	198	159	95	49	27	61
6	276	209	994	1,230	761	224	269	147	222	56	25	58
7	1,180	189	661	826	1,610	218	502	136	179	45	23	53
8	906	199	498	722	1,510	219	450	126	147	41	23	48
9	530	333	410	1,010	1,370	197	380	117	203	39	26	44
10	482	712	349	1,610	1,560	345	343	112	578	37	32	42
11	374	578	303	2,160	1,120	585	295	119	323	35	28	40
12	292	1,450	276	1,340	893	465	257	111	244	34	26	38
13	237	990	296	1,010	757	371	227	111	200	32	24	36
14	201	619	453	1,090	569	362	221	198	171	31	22	34
15	181	783	605	944	464	362	204	168	148	30	21	32
16	239	1,600	719	671	393	314	189	137	130	30	20	31
17	336	841	1,050	523	337	381	173	121	119	29	19	30
18	833	629	804	427	297	340	171	110	111	29	19	29
19	1,280	525	975	402	265	351	192	106	102	28	20	29
20	1,340	431	893	363	244	410	207	111	95	27	46	28
21	1,050	362	661	310	221	458	192	131	87	27	66	29
22	1,720	313	782	274	203	427	198	141	80	26	53	29
23	1,210	273	955	250	189	582	204	128	75	25	38	27
24	754	246	958	230	174	527	196	114	71	24	82	27
25	528	219	735	204	160	462	180	104	67	24	110	102
26	395	211	748	192	150	467	166	97	64	24	65	111
27	317	217	675	188	148	425	164	92	61	25	131	63
28	264	206	983	172	150	426	190	87	57	24	198	50
29	241	239	886	227	170	402	310	83	53	28	273	43
30	207	200	849	271	---	355	262	79	50	37	223	38
31	183	---	736	453	---	313	---	75	---	33	145	---
Total	17,931	13,694	29,552	21,932	16,051	11,324	7,281	4,027	4,068	1,054	1,957	1,493
Mean	578	456	953	707	553	365	243	130	136	34.0	63.1	49.8
Max	1,720	1,600	5,500	2,160	1,610	585	502	229	578	56	273	111
Min	181	153	189	172	148	197	164	75	50	24	19	27
Ac-ft	35,570	27,160	58,620	43,500	31,840	22,460	14,440	7,990	8,070	2,090	3,880	2,960
Cfsm	11.3	8.92	18.6	13.8	10.8	7.13	4.74	2.54	2.65	0.66	1.23	0.97
In.	13.03	9.95	21.47	15.93	11.66	8.23	5.29	2.93	2.96	0.77	1.42	1.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	318	731	833	886	622	545	320	169	106	67.4	43.8	70.5
Max	907	1,706	1,376	1,414	1,410	1,140	625	383	373	296	288	322
(WY)	(1968)	(1996)	(1967)	(1997)	(1999)	(1997)	(1970)	(1974)	(1997)	(1997)	(1991)	(1968)
Min	13.0	200	464	427	243	177	113	56.8	35.3	22.0	14.6	14.6
(WY)	(1988)	(2001)	(2001)	(1963)	(2005)	(1965)	(2004)	(2004)	(1972)	(1967)	(1967)	(1998)

12043300 HOKO RIVER NEAR SEKIU, WA—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1962 - 2008	
Annual total	166,510		130,364			
Annual mean	456		356		399	
Highest annual mean					585	1974
Lowest annual mean					231	2001
Highest daily mean	5,500	Dec 3	5,500	Dec 3	9,320	Dec 15, 1999
Lowest daily mean	36	Jul 17	19	Aug 17	11	Oct 10, 1987
Annual seven-day minimum	39	Jul 12	21	Aug 13	11	Oct 10, 1987
Annual runoff (ac-ft)	330,300		258,600		289,100	
Annual runoff (cfsm)	8.91		6.96		7.79	
Annual runoff (inches)	120.98		94.72		105.88	
10 percent exceeds	992		891		977	
50 percent exceeds	229		206		195	
90 percent exceeds	51		30		29	

