

**12048000 DUNGENESS RIVER NEAR SEQUIM, WA**

Puget Sound Basin  
Dungeness-Elwha Subbasin

LOCATION.--Lat 48°00'52", long 123°07'53" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.13, T.29 N., R.4 W., Clallam County, WA, Hydrologic Unit 17110020, on right bank 1.0 mi upstream from Canyon Creek, 4.8 mi southwest of Sequim, and at mile 11.8.

DRAINAGE AREA.--156 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 1923 to September 1930, June 1937 to current year. July 1897 to July 1898 at site downstream from Canyon Creek, published as "near Sequim," records not equivalent.

REVISED RECORDS.--WSP 1316: 1924-25(M), 1927(M). WSP 1932: 1957, 1958-59(M), 1960.

GAGE.--Water-stage recorder. Datum of gage is 569.3 ft above NGVD of 1929 (river-profile survey). June 8, 1923, to Sept. 30, 1930, nonrecording gage just above fish-hatchery diversion 0.5 mi downstream at different datum. June 19 to Aug. 12, 1937, nonrecording gage at present site and datum.

REMARKS.--Records good except estimated daily discharges, which are fair. No regulation or diversion upstream from station. Water temperatures July 1968 to September 1969, October 1970 to December 1970, January 2000 to September 2001. Suspended sediment discharge November 1999 to September 2001. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--81 years (water years 1924-30, 1938-2011), 383 ft<sup>3</sup>/s, 33.40 in/yr, 277,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,610 ft<sup>3</sup>/s Jan. 7, 2002, gage height, 8.37 ft; maximum gage height, 8.58 ft Nov. 27, 1949; minimum discharge, 61 ft<sup>3</sup>/s Nov. 23, 1993, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 12	1245	*5,820	*7.81
Jan 16	2315	1,790	5.25

Minimum discharge, 145 ft<sup>3</sup>/s, Oct. 21-23, gage height, 2.65 ft.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	210	664	296	327	388	239	664	246	677	940	742	313
2	201	637	249	311	372	268	609	266	689	932	658	298
3	191	423	223	299	362	255	495	270	701	1,090	651	288
4	185	433	205	283	437	247	432	271	770	1,050	651	279
5	178	422	195	276	465	264	396	303	919	981	643	279
6	170	404	190	276	440	256	370	353	1,070	1,070	628	282
7	164	452	241	286	427	246	345	366	1,180	1,190	604	276
8	163	362	706	280	403	238	324	366	1,050	1,070	567	273
9	193	320	724	265	378	344	310	355	1,040	908	549	283
10	403	292	524	252	364	699	301	394	1,060	844	516	281
11	289	267	411	251	352	541	310	502	1,060	825	483	273
12	232	250	3,890	317	381	422	293	522	979	829	471	282
13	205	242	2,120	469	418	647	286	465	968	857	476	273
14	188	349	1,240	591	449	1,010	285	450	1,020	824	460	259
15	180	382	879	610	497	814	276	1,170	930	826	429	249
16	172	412	697	1,330	430	741	274	1,300	858	922	416	242
17	165	350	587	1,470	388	586	270	959	867	949	405	230
18	160	314	518	959	360	477	259	780	943	855	401	227
19	156	282	464	728	333	411	254	697	1,040	810	395	235
20	152	264	424	621	310	368	249	686	1,070	782	386	222
21	148	245	405	651	303	346	245	742	1,050	842	398	210
22	149	229	440	643	291	329	238	720	1,160	833	439	264
23	149	e200	434	596	278	308	237	679	1,230	745	496	326
24	313	e207	613	590	266	299	246	637	1,020	751	447	299
25	306	e217	728	597	252	347	256	674	909	806	438	285
26	282	224	630	551	251	355	258	712	848	764	413	361
27	225	212	509	515	254	332	261	666	907	711	390	422
28	206	197	449	500	252	306	259	628	1,200	694	381	305
29	204	187	409	475	---	288	252	587	1,280	729	374	255
30	192	283	366	442	---	298	246	635	1,110	719	366	230
31	216	---	332	411	---	533	---	681	---	754	339	---
<b>Total</b>	6,347	9,722	20,098	16,172	10,101	12,814	9,500	18,082	29,605	26,902	15,012	8,301
<b>Mean</b>	205	324	648	522	361	413	317	583	987	868	484	277
<b>Max</b>	403	664	3,890	1,470	497	1,010	664	1,300	1,280	1,190	742	422
<b>Min</b>	148	187	190	251	251	238	237	246	677	694	339	210
<b>Ac-ft</b>	12,590	19,280	39,860	32,080	20,040	25,420	18,840	35,870	58,720	53,360	29,780	16,470
<b>Cfsm</b>	1.31	2.08	4.16	3.34	2.31	2.65	2.03	3.74	6.33	5.56	3.10	1.77
<b>In.</b>	1.51	2.32	4.79	3.86	2.41	3.06	2.27	4.31	7.06	6.42	3.58	1.98

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	211	360	434	420	375	294	322	561	701	493	264	171
<b>Max</b>	640	1,099	1,034	1,075	1,042	819	519	893	1,465	1,235	868	364
<b>(WY)</b>	(2004)	(1991)	(1980)	(1968)	(1924)	(1972)	(1925)	(1956)	(1999)	(1999)	(1999)	(1954)
<b>Min</b>	80.6	84.9	117	74.3	106	133	171	292	289	179	121	86.4
<b>(WY)</b>	(1988)	(1988)	(1977)	(1979)	(1929)	(1962)	(1975)	(1977)	(1926)	(1926)	(2005)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1923 - 2011	
<b>Annual total</b>	181,750		182,656			
<b>Annual mean</b>	498		500		383	
<b>Highest annual mean</b>					696	1999
<b>Lowest annual mean</b>					197	1977
<b>Highest daily mean</b>	3,890	Dec 12	3,890	Dec 12	5,280	Nov 24, 1990
<b>Lowest daily mean</b>	148	Oct 21	148	Oct 21	65	Jan 31, 1979
<b>Annual seven-day minimum</b>	154	Oct 17	154	Oct 17	65	Jan 29, 1979
<b>Annual runoff (ac-ft)</b>	360,500		362,300		277,800	
<b>Annual runoff (cfs)</b>	3.19		3.21		2.46	
<b>Annual runoff (inches)</b>	43.34		43.56		33.40	
<b>10 percent exceeds</b>	908		941		735	
<b>50 percent exceeds</b>	367		395		293	
<b>90 percent exceeds</b>	214		224		132	

