

GAGING STATION RECORDS

NASELLE RIVER BASIN

12010000 NASELLE RIVER NEAR NASELLE, WA

LOCATION.--Lat 46°22'27", long 123°44'32", in SW 1/4 SW 1/4 sec.1, T.10 N., R.9 W., Pacific County, Hydrologic Unit 17100106, on right bank 0.2 mi upstream from county highway bridge, 2.2 mi upstream from Salmon Creek, 3.4 mi east of Naselle, and at mile 17.4.

DRAINAGE AREA.--54.8 mi².

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

REVISED RECORDS.--WSP 1216: Drainage area. WSP 1316: 1930(M), 1932-40(M), 1945-46(M).

GAGE.--Water-stage recorder. Elevation of gage is 24 ft above NGVD of 1929, by barometer. Prior to Jan. 11, 1957, nonrecording gage and crest-stage gage at site 1,350 ft downstream at present datum. Jan. 11, 1957, to Dec. 31, 1961, nonrecording gage and crest-stage gage at site 1,200 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. Chemical analyses October 1965 to September 1970, January to September 1973, November 1975 to June 1980. Water temperatures August 1963 to September 1973. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--73 years (water years 1930-2002), 429 ft³/s, 106.28 in/yr, 310,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft³/s Mar. 18, 1997, gage height, 19.26 ft; minimum discharge, 18 ft³/s Aug. 30, 31, Sept. 1, 1970, Sept. 3, 1982.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 14	2000	*6,870	*14.42	Jan. 7	1230	4,180	11.39
Dec. 13	2030	4,410	11.67	Jan. 25	0230	4,820	12.16
Dec. 16	2230	6,210	13.73				

Minimum discharge, 22 ft³/s Sept. 27.

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	54	574	3500	256	1180	301	253	179	167	182	43	28
2	52	538	2510	279	892	274	228	172	155	e150	43	29
3	51	459	1440	288	843	250	211	166	148	132	42	31
4	49	404	1170	324	722	230	197	155	143	126	44	29
5	48	362	1030	355	656	216	188	167	143	121	47	28
6	46	312	997	1110	735	207	192	169	135	107	61	27
7	49	277	848	3630	841	191	215	167	124	103	44	27
8	57	249	735	2710	893	186	192	147	120	e98	42	29
9	51	226	661	1490	763	188	e240	140	114	92	41	33
10	77	206	687	935	653	450	e550	136	110	86	40	29
11	106	192	787	667	559	1540	e540	129	105	83	40	27
12	94	189	889	824	471	1170	e760	122	99	79	38	26
13	165	593	2530	692	412	909	e1000	121	e92	76	36	26
14	149	4440	3090	570	368	840	e2200	125	91	e73	35	25
15	129	3720	1920	477	335	734	e1900	115	90	70	e35	26
16	110	2140	4860	423	322	652	e1600	110	89	e68	35	30
17	101	1240	3900	379	293	551	1150	106	104	67	e35	e32
18	91	819	2030	345	287	566	850	99	144	67	34	28
19	107	756	1460	400	363	955	643	97	110	65	34	e26
20	113	1210	1060	919	334	1270	513	98	94	63	34	26
21	110	1470	785	846	645	945	428	95	89	59	34	e25
22	264	2800	614	718	632	709	374	100	e86	54	34	24
23	404	2420	497	711	656	561	329	94	e84	52	32	24
24	382	1390	422	2560	597	475	294	e87	81	52	31	23
25	480	892	366	4040	498	412	269	82	76	51	31	e23
26	394	657	324	2100	428	366	260	83	74	52	31	23
27	375	517	294	1210	375	339	242	92	75	51	30	e22
28	331	1280	292	806	335	340	220	176	152	49	29	e23
29	276	2030	250	605	---	317	203	375	450	50	28	24
30	207	1880	227	672	---	289	193	236	224	e49	28	51
31	588	---	217	1420	---	267	---	192	---	45	28	---
TOTAL	5510	34242	40392	32761	16088	16700	16434	4332	3768	2472	1139	824
MEAN	177.7	1141	1303	1057	574.6	538.7	547.8	139.7	125.6	79.74	36.74	27.47
MAX	588	4440	4860	4040	1180	1540	2200	375	450	182	61	51
MIN	46	189	217	256	287	186	188	82	74	45	28	22
AC-FT	10930	67920	80120	64980	31910	33120	32600	8590	7470	4900	2260	1630
CFSM	3.24	20.8	23.8	19.3	10.5	9.83	10.0	2.55	2.29	1.46	0.67	0.50
IN.	3.74	23.24	27.42	22.24	10.92	11.34	11.16	2.94	2.56	1.68	0.77	0.56

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

	MEAN	275.6	721.9	936.0	860.7	796.6	615.0	397.8	209.5	138.8	76.77	52.46	83.70
MAX	862	1539	2530	1969	1587	1424	858	448	400	250	196	196	455
(WY)	1998	1984	1934	1953	1961	1997	1937	1948	2000	1983	2001	1978	1978
MIN	20.9	37.3	245	215	191	153	120	82.0	54.9	33.8	22.3	26.4	26.4
(WY)	1988	1937	1977	1985	1993	1992	1939	1956	1982	1970	1970	1999	1999

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1930 - 2002

ANNUAL TOTAL		150223		174662						428.7		
ANNUAL MEAN		411.6		478.5								
HIGHEST ANNUAL MEAN										611		1974
LOWEST ANNUAL MEAN										226		1977
HIGHEST DAILY MEAN			4860	Dec 16		4860	Dec 16		10400		Jan 22	1935
LOWEST DAILY MEAN			38	Aug 20		22	Sep 27		18		Aug 31	1970
ANNUAL SEVEN-DAY MINIMUM			41	Aug 14		23	Sep 22		19		Oct 16	1987
ANNUAL RUNOFF (AC-FT)		298000		346400						310600		
ANNUAL RUNOFF (CFSM)		7.51		8.73						7.82		
ANNUAL RUNOFF (INCHES)		101.98		118.57						106.28		
10 PERCENT EXCEEDS		749		1170						1060		
50 PERCENT EXCEEDS		272		207						219		
90 PERCENT EXCEEDS		59		32						39		

e Estimated