

CHEHALIS RIVER BASIN

12037400 WYNOOCHEE RIVER ABOVE BLACK CREEK, NEAR MONTESANO, WA

LOCATION.--Lat 47°00'42", long 123°39'15", in SE 1/4 SE 1/4 sec.27. T.18 N., R.8 W., Grays Harbor County, Hydrologic Unit 17100104, on left bank 2,000 ft upstream from Black Creek, 3.5 mi northwest of Montesano, and at mile 5.9.

DRAINAGE AREA.--155 mi².

PERIOD OF RECORD.--October 1956 to current year.

REVISED RECORDS.--WSP 1932: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 40 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. City of Aberdeen diverted about 90 ft³/s for municipal supply at intake 2.2 mi upstream. Other small diversions for irrigation and domestic use. Since August 1972, flow regulated by Wynoochee Dam, 45.7 mi upstream, for flood control, during summer months to augment the natural river flow, and for the water supply for the City of Aberdeen. Some regulation from 1969 to August 1972 due to dam construction. Sediment records October 1961 to June 1965. Water temperatures October 1969 to September 1986. Tacoma Public Utilities satellite telemeter at station.

AVERAGE DISCHARGE.--16 years (water years 1957-72), 1,316 ft³/s, 953,600 acre-ft/yr, unregulated. 28 years (water years 1973-2000), 1,276 ft³/s, 924,600 acre-ft/yr, regulated.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,600 ft³/s Mar. 19, 1997, gage height, 20.21 ft; maximum gage height, 20.54 ft Dec. 10, 1956; minimum discharge, 3.0 ft³/s part or all of each day Aug. 26-30, 1967, gage height, 2.86 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,100 ft³/s Dec. 15, gage height, 19.93 ft; minimum discharge, 201 ft³/s Sept. 25-29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	515	2510	2790	1140	2910	1670	636	722	945	460	240	245
2	514	2010	7210	1180	2820	1510	610	700	830	425	235	251
3	514	1830	4650	1300	2100	1410	581	680	681	379	232	253
4	514	1770	3210	3680	1740	1670	556	674	634	366	229	226
5	385	1310	2900	2680	1450	1460	530	688	610	352	229	231
6	241	2320	5300	2010	1310	1240	622	708	683	334	229	217
7	271	3350	4330	1800	1300	1070	526	674	852	338	227	214
8	968	2480	3280	2160	1540	961	499	640	832	321	226	245
9	1140	3250	3680	3290	2310	872	475	672	764	317	223	249
10	995	4950	3640	3220	2120	795	458	1050	734	312	221	294
11	731	5600	3760	2520	1960	874	440	1070	998	320	219	281
12	512	8450	6190	2180	1550	821	451	914	7490	313	216	247
13	477	5970	6130	2090	1180	780	443	795	4240	295	213	232
14	429	4180	5430	2490	1100	1090	505	737	2420	293	218	224
15	385	2810	15000	2490	1030	1060	568	695	1800	286	214	219
16	365	2490	14200	2350	972	1120	512	642	1510	281	222	220
17	354	2330	9220	2810	916	1190	478	598	1240	277	339	215
18	346	2200	8500	2220	869	2030	452	567	1040	277	407	213
19	338	2200	5910	1840	837	2860	429	651	941	270	302	213
20	291	2880	3790	1750	814	2020	417	753	865	266	263	213
21	237	3780	2960	2460	803	1560	409	771	813	261	249	213
22	224	3290	2600	2610	876	1390	455	771	770	258	238	210
23	222	3110	2350	2210	952	1260	469	739	735	259	231	207
24	257	4520	2170	1900	905	1090	516	720	693	255	229	205
25	255	5940	2040	1710	889	968	523	651	595	251	232	204
26	313	4460	1940	1550	974	841	556	556	548	253	228	201
27	303	3430	1860	1370	1120	819	533	984	522	265	223	201
28	862	3200	1780	1250	1130	829	671	2220	500	279	221	201
29	1420	2790	1720	1140	1580	739	795	1570	484	270	227	244
30	2690	2630	1360	1080	---	703	725	1120	472	256	228	477
31	4260	---	1080	1100	---	664	---	1020	---	246	219	---
TOTAL	21328	102040	140980	63580	40057	37366	15840	25752	36241	9335	7429	7065
MEAN	688	3401	4548	2051	1381	1205	528	831	1208	301	240	236
MAX	4260	8450	15000	3680	2910	2860	795	2220	7490	460	407	477
MIN	222	1310	1080	1080	803	664	409	556	472	246	213	201
AC-FT	42300	202400	279600	126100	79450	74120	31420	51080	71880	18520	14740	14010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

MEAN	814	2300	2817	2394	2294	1617	970	691	534	348	230	366
MAX	2967	4951	5122	4444	4623	4180	1791	1322	1208	766	399	1287
(WY)	1976	1991	1995	1997	1999	1997	1974	1984	2000	1974	1991	1978
MIN	143	294	788	602	579	539	497	328	245	183	162	148
(WY)	1988	1994	1986	1985	1993	1992	1973	1998	1979	1995	1998	1993

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1973 - 2000
ANNUAL TOTAL	672833	507013	
ANNUAL MEAN	1843	1385	1276
HIGHEST ANNUAL MEAN			1907
LOWEST ANNUAL MEAN			749
HIGHEST DAILY MEAN	15000	Dec 15	15000
LOWEST DAILY MEAN	201	Sep 10	201
ANNUAL SEVEN-DAY MINIMUM	214	Sep 4	204
ANNUAL RUNOFF (AC-FT)	1335000		1006000
10 PERCENT EXCEEDS	4590		3210
50 PERCENT EXCEEDS	882		770
90 PERCENT EXCEEDS	255		229
			199