

NISQUALLY RIVER BASIN

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12089208 CENTRALIA POWER CANAL NEAR MCKENNA, WA

LOCATION.--Lat 46°54'01", long 122°29'50", in NE 1/4 SW 1/4 sec.1, T.16 N., R.2 E., Thurston County, Hydrologic Unit 17110015, on left bank 1,000 ft downstream from headworks at dam, and 3.7 mi southeast of McKenna.

PERIOD OF RECORD.--March 1979 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 330 ft above sea level, from topographic map. Prior to Oct. 20, 1999, at site 500 ft upstream at datum 10.00 ft lower.

REMARKS.--Records good. Flow regulated by headworks 1,000 ft upstream from station. U.S. Geological Survey satellite telemeter at station. The power canal was not in operation Oct. 1-20, 1999, due to construction.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 900 ft³/s Nov. 11, 1990, gage height, 7.72 ft; minimum discharge, no flow on many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 829 ft³/s Mar. 30, gage height, 16.48 ft; minimum discharge, no flow Oct. 1-20.

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	.00	250	507	743	738	741	751	744	747	688	714	749
2	.00	322	510	743	739	743	753	744	745	605	758	750
3	.00	406	524	744	743	744	752	746	737	651	756	753
4	.00	393	526	744	743	742	753	748	732	714	755	753
5	.00	375	525	743	743	743	753	748	735	663	754	560
6	.00	359	300	745	741	741	753	746	746	617	752	430
7	.00	363	206	743	741	741	753	747	692	598	750	430
8	.00	380	116	746	742	742	753	746	678	595	e760	429
9	.00	385	70	745	739	741	751	746	686	605	e760	430
10	.00	418	61	745	741	742	750	744	686	599	734	431
11	.00	449	59	742	742	742	752	746	695	590	732	432
12	.00	328	65	744	742	743	752	747	737	588	734	430
13	.00	504	70	744	742	741	753	741	746	593	736	429
14	.00	512	53	738	742	743	751	711	750	594	737	424
15	.00	506	54	734	742	745	749	746	750	592	733	422
16	.00	536	57	623	742	745	749	699	750	590	735	423
17	.00	546	179	314	742	748	749	742	750	596	736	421
18	.00	543	513	322	742	747	752	745	738	594	741	421
19	.00	537	547	568	743	634	752	745	729	590	746	320
20	e110	525	574	600	743	540	746	744	728	600	751	257
21	182	539	694	685	743	547	746	722	706	618	752	256
22	187	540	739	735	742	728	752	739	682	624	750	256
23	196	533	745	736	739	744	751	743	668	630	736	256
24	196	543	745	738	739	744	749	744	652	632	731	266
25	197	439	744	735	742	744	749	745	648	629	745	371
26	195	522	744	734	742	748	752	745	631	627	744	403
27	184	523	744	737	742	748	749	747	617	631	742	400
28	174	523	744	735	741	751	751	747	716	631	741	402
29	189	537	743	737	741	760	747	748	759	638	741	404
30	190	532	743	735	---	774	748	746	760	653	741	404
31	189	---	744	732	---	763	---	758	---	653	746	---
TOTAL	2189.00	13868	13645	21609	21503	22599	22521	23009	21396	19228	23043	13112
MEAN	70.6	462	440	697	741	729	751	742	713	620	743	437
MAX	197	546	745	746	743	774	753	758	760	714	760	753
MIN	.00	250	53	314	738	540	746	699	617	588	714	256
AC-FT	4340	27510	27060	42860	42650	44830	44670	45640	42440	38140	45710	26010

CAL YR 1999 TOTAL 164549.00 MEAN 451 MAX 745 MIN .00 AC-FT 326400
WTR YR 2000 TOTAL 217722.00 MEAN 595 MAX 774 MIN .00 AC-FT 431900

e Estimated