

LAKE WASHINGTON BASIN

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12116500 CEDAR RIVER AT CEDAR FALLS, WA

LOCATION.--Lat 47°25'02", long 121°47'27", in SW 1/4 SE 1/4 sec.4, T.22 N., R.8 E., King County, Hydrologic Unit 17110012, Snoqualmie National Forest, on right bank 0.5 mi downstream from Seattle municipal powerplant at town of Cedar Falls, 4.0 mi downstream from Chester Morse Lake, and at mile 33.2.

DRAINAGE AREA.--84.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1914 to current year.

REVISED RECORDS.--WSP 722: 1930. WSP 1286: 1934(M), drainage area. WA-96-1: 1991(M).

GAGE.--Water-stage recorder. Datum of gage is 902.1 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good except for period July 1-18, which is fair. All diversions are returned to river upstream from station. Flow regulated by Chester Morse Lake (station 12115900) and Cedar Lake (station 12116060). U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--88 years (water years 1915-2002), 321 ft³/s, 232,400 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,120 ft³/s, Nov. 24, 1990, gage height, 14.00 ft, from flood mark, from rating curve extended above 5,000 ft³/s; no flow part or all of each day Nov. 25, 1917, Aug. 18, 1923, Sept. 30 to Oct. 5, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft³/s Apr. 18, gage height, 7.83 ft; minimum discharge, 12.0 ft³/s Sept. 10.

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	91	314	578	536	499	360	589	243	414	377	78	17
2	90	315	554	522	500	358	635	259	434	215	78	18
3	88	455	469	379	499	356	636	379	448	97	77	18
4	105	401	373	264	498	361	638	379	476	49	76	16
5	201	277	372	212	456	520	646	363	717	47	68	14
6	216	268	377	216	340	530	658	345	786	47	55	13
7	216	281	381	275	340	575	661	529	1190	45	53	13
8	216	369	377	391	338	666	691	557	1290	45	52	13
9	216	392	380	599	334	667	735	550	1280	46	42	13
10	216	404	367	746	334	669	747	435	1130	43	27	21
11	224	405	300	672	301	544	759	346	803	58	25	53
12	223	408	196	638	249	456	779	266	570	86	24	74
13	233	382	178	679	250	535	805	195	376	91	23	80
14	241	232	318	859	230	498	861	159	355	96	22	84
15	254	262	463	1090	205	414	865	154	349	101	22	84
16	295	412	150	1190	200	334	1050	155	400	127	22	85
17	277	511	263	1070	201	258	1030	175	842	154	21	86
18	239	709	568	781	204	170	1180	177	1020	168	21	84
19	232	739	783	676	204	82	1330	176	1010	168	21	84
20	255	779	848	681	203	226	1320	177	1010	167	21	84
21	256	994	1000	682	224	486	1300	177	1010	167	20	83
22	246	1150	1140	678	259	713	1150	177	1010	165	20	82
23	188	1150	1130	644	250	711	852	234	1000	163	19	82
24	188	1140	1120	284	236	711	576	457	915	163	18	93
25	183	1130	1110	214	221	696	546	706	730	137	18	126
26	166	1120	1030	328	211	601	544	710	614	94	18	126
27	316	1040	849	322	242	485	466	653	618	82	20	126
28	310	807	727	318	359	421	383	507	560	82	19	126
29	308	672	726	313	---	443	330	385	520	81	19	126
30	319	574	725	331	---	541	262	299	494	80	18	126
31	332	---	678	406	---	541	---	368	---	79	17	---
TOTAL	6940	18092	18530	16996	8387	14928	23024	10692	22371	3520	1034	2050
MEAN	223.9	603.1	597.7	548.3	299.5	481.5	767.5	344.9	745.7	113.5	33.35	68.33
MAX	332	1150	1140	1190	500	713	1330	710	1290	377	78	126
MIN	88	232	150	212	200	82	262	154	349	43	17	13
AC-FT	13770	35890	36750	33710	16640	29610	45670	21210	44370	6980	2050	4070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2002, BY WATER YEAR (WY)

MEAN	163.9	352.4	527.3	497.5	425.2	354.1	361.7	391.9	386.6	187.4	112.1	102.1
MAX	547	1780	2197	1393	1256	1324	767	868	1419	814	424	324
(WY)	1960	1991	1918	1918	1982	1972	2002	1997	1917	1917	1954	1959
MIN	34.7	24.9	47.7	133	95.0	89.0	75.3	59.5	46.3	24.5	20.2	28.3
(WY)	1953	1953	1953	1952	1988	1941	1995	1992	1963	1926	2001	1957

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1914 - 2002
ANNUAL TOTAL	84601	146564	
ANNUAL MEAN	231.8	401.5	320.8
HIGHEST ANNUAL MEAN			567
LOWEST ANNUAL MEAN			93.0
HIGHEST DAILY MEAN	1150	1330	7440
LOWEST DAILY MEAN	13	13	0.00
ANNUAL SEVEN-DAY MINIMUM	14	14	0.04
ANNUAL RUNOFF (AC-FT)	167800	290700	232400
10 PERCENT EXCEEDS	501	860	694
50 PERCENT EXCEEDS	175	331	227
90 PERCENT EXCEEDS	30	46	61