

12117600 CEDAR RIVER BELOW DIVERSION, NEAR LANDSBURG, WA

LOCATION.--Lat 47°22'47", long 121°58'56", in SE 1/4 NW 1/4 sec.24, T.22 N., R.6 E., King County, Hydrologic Unit 17110012, on right bank 0.8 mi northeast of the Issaquah-Ravensdale road bridge, 0.9 mi northwest of Landsburg, and at mile 20.4.

DRAINAGE AREA.--124 mi², excludes Walsh Lake diversion, which enters Cedar River at mile 19.5, and excludes 1.9 mi of Walsh Lake drainage in Cedar River basin, which is normally diverted into Issaquah Creek.

PERIOD OF RECORD.--December 1991 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 490 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow is regulated by Chester Morse Lake (station 12115900) and Cedar Lake (station 12116060) 15 mi upstream for operation of powerplant at Cedar Falls 13.1 mi upstream from station. Seattle City Water diversion 1.5 mi upstream from the gage diverted an average discharge of about 138 ft³/s during the water year. U.S. Geological Survey telemeter at station.

AVERAGE DISCHARGE.--8 years (water years 1993-2000), 549 ft³/s, 397,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,560 ft³/s Nov. 30, 1995, gage height, 10.32 ft, from rating curve extended above 2,000 ft³/s; maximum gage height, 10.70 ft Nov. 30, 1995, from outside high-water mark; minimum discharge, 45 ft³/s Sept. 9, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,820 ft³/s Dec. 18, gage height, 7.15 ft; minimum discharge, 99 ft³/s Aug. 2.

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	236	380	1500	925	719	766	473	560	467	317	120	122
2	245	370	1730	895	670	796	474	522	448	314	119	142
3	247	367	1660	910	508	859	481	538	435	328	119	156
4	252	368	1600	1030	438	820	527	547	438	327	120	161
5	256	361	1590	967	414	776	522	543	454	275	120	152
6	294	407	1580	937	417	754	543	518	454	251	123	168
7	357	374	1530	927	416	690	528	478	456	249	122	169
8	580	367	1470	965	460	584	521	455	458	233	120	215
9	394	402	1420	984	467	529	516	477	429	228	120	201
10	377	495	1240	960	434	528	517	481	408	217	121	284
11	390	494	1330	943	418	525	531	492	407	210	119	353
12	403	1210	1580	922	419	495	523	470	926	210	119	329
13	398	1030	1540	895	416	498	548	475	920	214	120	290
14	405	584	1540	839	416	509	729	462	925	213	120	249
15	387	402	1910	779	417	504	1010	454	1060	210	119	218
16	384	547	2280	758	414	515	920	451	1020	208	119	214
17	391	718	2420	734	437	478	826	489	1000	208	122	211
18	390	657	2720	691	498	498	794	519	994	207	123	208
19	387	632	2710	602	493	515	1060	537	954	209	123	204
20	384	717	2350	529	488	481	1080	479	775	213	121	203
21	382	852	1900	527	508	455	1050	472	620	207	123	204
22	375	998	1690	515	521	489	988	480	569	178	124	212
23	392	1230	2120	503	504	539	987	484	513	161	126	224
24	391	874	2090	493	498	608	962	566	418	159	122	227
25	398	1990	1920	484	503	563	881	565	369	142	122	227
26	407	1720	1860	409	494	542	800	498	343	138	119	229
27	394	1600	1800	381	498	538	766	449	311	135	119	280
28	414	1640	1750	361	503	535	678	467	311	122	118	283
29	382	1570	1540	366	709	504	628	471	302	119	122	276
30	374	1610	1110	360	---	485	602	468	316	123	121	430
31	404	---	925	365	---	467	---	496	---	120	122	---
TOTAL	11470	24966	54405	21956	14097	17845	21465	15363	17500	6445	3747	6841
MEAN	370	832	1755	708	486	576	716	496	583	208	121	228
MAX	580	1990	2720	1030	719	859	1080	566	1060	328	126	430
MIN	236	361	925	360	414	455	473	449	302	119	118	122
AC-FT	22750	49520	107900	43550	27960	35400	42580	30470	34710	12780	7430	13570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	323	717	999	924	829	575	570	523	387	254	131	166
MAX	417	1490	1755	1736	1865	1232	1031	1098	584	509	194	228
(WY)	1996	1996	2000	1999	1996	1997	1997	1997	1997	1997	1993	2000
MIN	256	329	383	430	295	303	287	237	196	107	96.5	119
(WY)	1995	1994	1994	1994	1994	1992	1995	1992	1992	1992	1992	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1992 - 2000
ANNUAL TOTAL	260915	216100	
ANNUAL MEAN	715	590	
HIGHEST ANNUAL MEAN			826
LOWEST ANNUAL MEAN			322
HIGHEST DAILY MEAN	2720	Dec 18	6170
LOWEST DAILY MEAN	120	Aug 26	78
ANNUAL SEVEN-DAY MINIMUM	127	Aug 23	85
ANNUAL RUNOFF (AC-FT)	517500	428600	397500
10 PERCENT EXCEEDS	1670	1220	1190
50 PERCENT EXCEEDS	542	474	346
90 PERCENT EXCEEDS	177	132	132