

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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 490 ft above NGVD of 1929, 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 122 ft³/s during the water year. U.S. Geological Survey telemeter at station.

AVERAGE DISCHARGE.--10 years (water years 1993-2002), 538 ft³/s, 389,500 acre-ft/yr, unadjusted.

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, 2,410 ft³/s Apr. 14, gage height, 6.65 ft; minimum discharge, 117 ft³/s Aug. 8, 28.

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	223	606	1030	879	902	720	1050	573	512	655	196	133
2	223	534	1010	874	893	679	1100	574	537	472	195	137
3	225	708	883	727	897	667	1100	696	528	316	197	164
4	224	672	747	588	883	657	1030	701	607	215	197	137
5	312	560	725	515	854	844	943	701	927	204	173	131
6	375	508	752	526	727	919	891	648	979	205	146	131
7	332	449	746	921	740	847	908	836	1380	212	126	131
8	363	457	730	1170	756	953	909	859	1500	221	129	133
9	373	473	776	1210	734	951	965	853	1490	216	159	132
10	365	482	749	1250	722	954	1040	737	1380	217	153	129
11	497	474	665	1090	697	1040	1080	635	1070	219	146	136
12	399	458	573	1020	617	879	1190	555	809	205	148	138
13	425	461	1200	1020	605	923	1420	494	588	193	146	142
14	459	1280	1250	1140	579	918	2090	452	551	192	144	142
15	421	1040	1190	1390	544	842	1680	430	542	189	142	141
16	407	867	1120	1560	533	749	1730	431	538	193	144	157
17	392	716	1160	1490	531	650	1550	459	981	193	144	195
18	351	868	1260	1210	560	563	1490	459	1220	193	146	194
19	385	919	1430	1120	569	508	1660	461	1230	194	149	203
20	409	1030	1420	1160	560	721	1600	476	1230	192	153	207
21	414	1380	1460	1160	815	997	1570	475	1220	189	147	212
22	437	1670	1560	1120	1110	1230	1490	473	1210	188	147	225
23	418	1790	1520	1090	979	1210	1170	478	1200	190	145	229
24	425	1620	1480	854	811	1210	862	719	1050	203	142	231
25	511	1530	1470	946	728	1220	789	1070	857	210	151	243
26	435	1470	1390	927	775	1120	781	1090	754	213	152	233
27	559	1340	1210	791	734	997	732	1070	751	213	156	228
28	548	1160	1060	742	822	917	623	918	804	210	146	220
29	522	1130	1030	712	---	889	569	756	883	215	134	229
30	533	994	1030	719	---	957	571	511	793	209	132	224
31	621	---	1020	814	---	971	---	478	---	199	136	---
TOTAL	12583	27646	33646	30735	20677	27702	34583	20068	28121	7135	4721	5287
MEAN	406	922	1085	991	738	894	1153	647	937	230	152	176
MAX	621	1790	1560	1560	1110	1230	2090	1090	1500	655	197	243
MIN	223	449	573	515	531	508	569	430	512	188	126	129
AC-FT	24960	54840	66740	60960	41010	54950	68600	39800	55780	14150	9360	10490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)

MEAN	336	702	943	873	771	579	598	527	432	248	133	168
MAX	417	1490	1755	1736	1865	1232	1153	1098	937	509	194	228
(WY)	1996	1996	2000	1999	1996	1997	2002	1997	2002	1997	1993	2000
MIN	256	329	346	295	277	298	287	237	196	107	96.5	119
(WY)	1995	1994	2001	2001	2001	2001	1995	1992	1992	1992	1992	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1992 - 2002
ANNUAL TOTAL	148296	252904	
ANNUAL MEAN	406	693	538
HIGHEST ANNUAL MEAN			826
LOWEST ANNUAL MEAN			294
HIGHEST DAILY MEAN	1790	2090	6170
LOWEST DAILY MEAN	96	126	78
ANNUAL SEVEN-DAY MINIMUM	98	132	85
ANNUAL RUNOFF (AC-FT)	294100	501600	389500
10 PERCENT EXCEEDS	885	1240	1180
50 PERCENT EXCEEDS	279	672	358
90 PERCENT EXCEEDS	153	153	146