12117500 CEDAR RIVER NEAR LANDSBURG, WA

LOCATION.--Lat 47°23'38", long 121°57'12", on west line NW 1/4 SW 1/4 sec.17, T.22 N., R.7 E., King County, Hydrologic Unit 17110012, on left bank 1.8 mi upstream from intake of Seattle water-supply system near Landsburg, 4.0 mi east of Maple Valley, 5.9 mi downstream from Taylor Creek, and at mile 23.4.

DRAINAGE AREA.--121 mi^2, excludes Walsh Lake diversion which enters Cedar River at mile 19.5, and excludes 1.9 mi^2 of Walsh Lake drainage in Cedar River basin which is normally diverted into Issaquah Creek.

PERIOD OF RECORD.--August 1895 to current year (prior to October 1948, flow of Rock Creek included). Monthly discharge only for some periods, published in WSP 1316. Published as "near Seattle" 1895-98, "near Maple Valley" 1902, and as "near Ravensdale" 1898-1901, 1903-12.

REVISED RECORDS.--WSP 313: 1895-98, 1902-09. WSP 1286: 1912. WSP 1316: 1896-98(M), 1902-11(M). WSP 1736: 1960. WSP 1932: 1947, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 565.9 ft above sea level. Prior to Oct. 1, 1898, nonrecording gage at site 2.2 mi downstream at different datum. Mar. 24, 1901, to May 15, 1913, nonrecording gage at site 2 mi downstream at datum 535.84 ft above sea level (levels by City of Seattle). Apr. 30, 1914, to Oct. 22, 1928, water-stage recorder 0.2 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. All diversions except Rock Creek returned to river upstream from station. Rock Creek, a tributary which entered naturally just upstream from station prior to 1932, is diverted during summer months to enter river at a point about 3.9 mi downstream from station. Some regulation by Chester Morse Lake (station 12115900) and Cedar Lake (station 12116060), 12.2 mi upstream. Chemical analyses July 1959 to July 1960. Water temperatures published August 1953 to September 1985. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--106 years (water years 1896-2001), 689 ft^3/s, 499,200 acre-ft/yr, unadjusted, includes data published in WSP 1316.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft^3/s Nov. 19, 1911, gage height, 10.0 ft, from graph based on gage readings, site and datum then in use, by computation of peak flow over dam, peak caused by failure of flashboards at Chester Morse Lake; minimum discharge observed, 83 ft^3/s Sept. 19, 1898.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,110 ft^3/s May 16, gage height, 2.55 ft; minimum discharge, 239 ft^3/s Dec 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	538	520	416	478	409	324	434	644	396	409	312	279
2	442	550	441	447	415	376	389	800	407	408	307	278
3	420	548	426	404	410	444	362	853	459	408	307	276
4	439	562	416	460	511	470	337	850	417	405	308	273
5	443	573	414	509	485	436	336	813	398	402	303	272
6	509	581	414	436	458	491	438	717	408	399	300	270
7	526	548	409	398	436	508	418	617	399	399	299	273
8	526	572	413	375	426	518	427	548	394	395	296	301
9	527	601	432	364	408	516	425	499	411	391	293	302
10	531	550	427	348	383	431	478	451	412	388	292	300
11	543	500	426	334	375	382	490	387	543	385	289	301
12	593	454	433	335	370	364	479	367	645	381	289	300
13	589	431	445	374	365	411	463	366	601	381	285	299
14	553	440	404	373	359	431	449	452	515	381	285	296
15	547	445	475	364	357	446	434	844	483	382	285	294
16	562	460	499	362	359	490	430	1020	492	439	284	293
17	521	478	524	371	353	464	455	994	482	404	282	293
18	499	477	497	374	351	564	455	775	474	390	279	292
19	469	475	498	388	347	719	437	675	468	382	278	293
20	534	475	505	396	344	465	401	662	463	376	279	289
21	524	473	506	427	345	415	392	636	450	372	279	288
22	437	471	516	433	343	624	397	581	434	370	319	301
23	409	483	515	415	342	575	413	562	432	368	357	330
24	427	502	505	415	369	472	404	531	435	350	340	330
25	452	503	493	411	363	482	408	499	433	319	300	335
26	462	541	469	402	358	491	411	489	414	314	290	378
27	464	646	446	397	373	453	411	486	429	314	285	354
28	496	511	434	390	370	456	439	483	444	362	284	339
29	485	448	424	390	---	430	451	429	419	330	278	331
30	490	424	470	388	---	403	588	393	412	318	276	320
31	515	---	481	428	---	425	---	387	---	314	277	---
TOTAL	15472	15242	14173	12386	10784	14476	12851	18810	13569	11636	9137	9080
MEAN	499	508	457	400	385	467	428	607	452	375	295	303
MAX	593	646	524	509	511	719	588	1020	645	439	357	378
MIN	409	424	404	334	342	324	336	366	394	314	276	270
AC-FT	30690	30230	28110	24570	21390	28710	25490	37310	26910	23080	18120	18010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895 - 2001, BY WATER YEAR (WY)

MEAN	391	725	956	980	902	790	777	794	741	484	348	321
MAX	1015	2371	3126	2198	2009	2233	1498	1412	1795	1077	735	716
(WY)	1960	1991	1934	1918	1982	1972	1897	1897	1917	1917	1954	1959
MIN	141	141	179	369	368	360	335	306	320	262	124	127
(WY)	1905	1896	1953	1988	1988	1941	1941	1915	1992	1898	1898	1898

12117500 CEDAR RIVER NEAR LANDSBURG, WA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1895 - 2001	
ANNUAL TOTAL	207526		157616			
ANNUAL MEAN	567		432		683	
HIGHEST ANNUAL MEAN					1066	1897
LOWEST ANNUAL MEAN					340	1941
HIGHEST DAILY MEAN	1320	Apr 19	1020	May 16	13600	Nov 19 1911
LOWEST DAILY MEAN	271	Sep 17	270	Sep 6	83	Sep 19 1898
ANNUAL SEVEN-DAY MINIMUM	285	Sep 1	274	Sep 1	87	Sep 13 1898
ANNUAL RUNOFF (AC-FT)	411600		312600		494400	
10 PERCENT EXCEEDS	921		548		1170	
50 PERCENT EXCEEDS	528		420		566	
90 PERCENT EXCEEDS	329		299		285	