Water-Data Report 2008

12117500 CEDAR RIVER NEAR LANDSBURG, WA

Puget Sound Basin
Lake Washington Subbasin

LOCATION.--Lat 47°23′38″, long 121°57′12″ referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.17, T.22 N., R.7 E., King County, WA, 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.

SURFACE-WATER RECORDS

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 NGVD of 1929. 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 NGVD of 1929 (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 FOR PERIOD OF RECORD.--113 years (water years 1896-2008), 686 ft^3/s, 497,000 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, 2,700 ft^3/s, May 21, 22, gage height, 4.29 ft; minimum discharge, 322 ft^3/s, Sept. 19, gage height, 1.17 ft.

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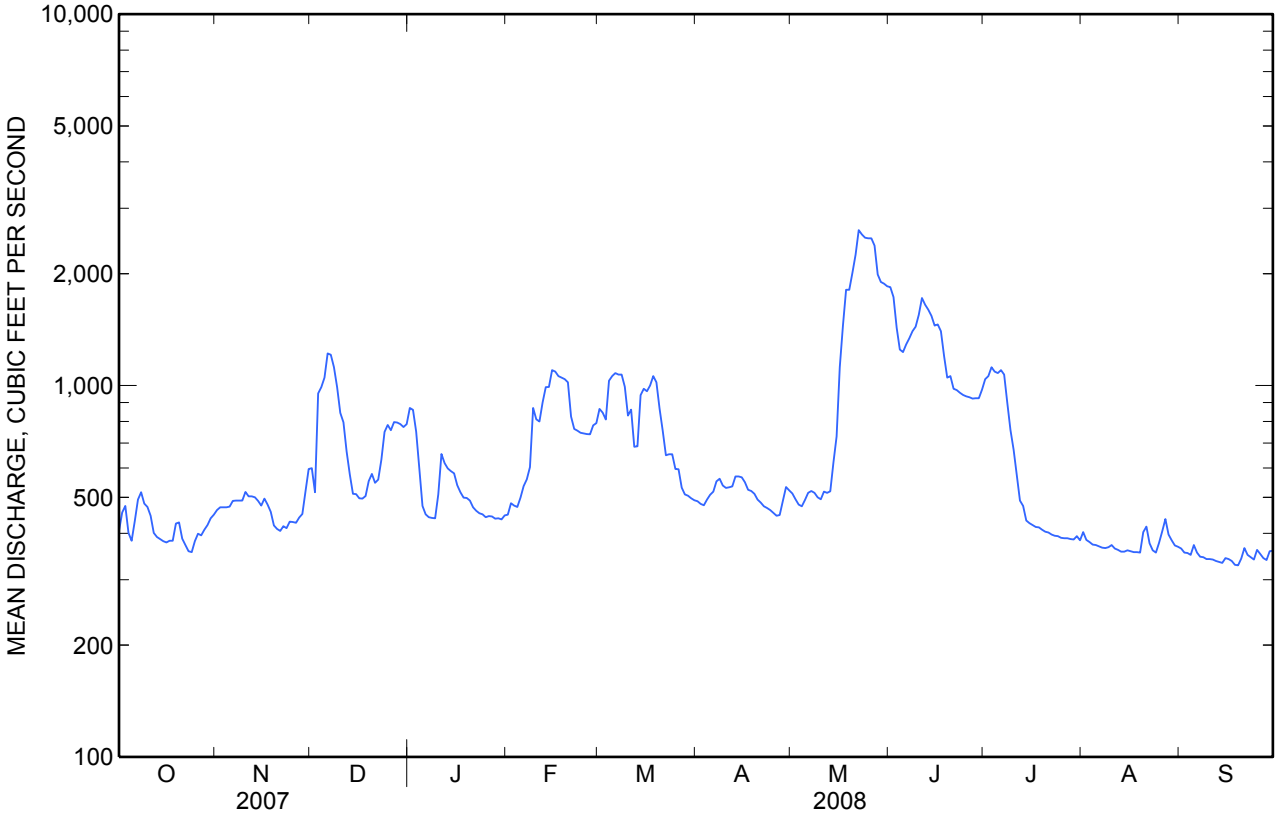
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	406	462	599	870	449	865	488	512	1,840	1,040	403	364
2	455	470	516	860	482	845	480	494	1,730	1,060	384	355
3	474	470	952	751	475	810	476	478	1,430	1,120	379	354
4	401	470	990	598	471	1,030	493	473	1,250	1,090	373	350
5	382	472	1,050	474	499	1,060	508	492	1,230	1,080	372	372
6	432	489	1,220	450	536	1,080	518	514	1,290	1,100	369	355
7	493	490	1,210	442	559	1,070	552	520	1,340	1,070	366	346
8	516	490	1,120	440	603	1,070	561	514	1,400	897	365	345
9	481	490	989	439	870	992	538	500	1,440	759	367	341
10	471	517	844	509	811	830	530	494	1,550	671	372	341
11	446	503	796	654	800	861	532	518	1,720	573	364	340
12	401	503	665	618	900	684	535	514	1,650	490	361	337
13	391	500	577	598	990	686	569	519	1,600	474	357	335
14	386	489	511	588	991	942	569	621	1,540	433	357	333
15	381	475	510	580	1,100	980	566	729	1,450	426	360	343
16	378	496	497	539	1,090	965	549	1,120	1,460	421	358	341
17	382	478	496	516	1,060	1,000	524	1,450	1,400	416	356	337
18	382	457	504	499	1,050	1,060	520	1,810	1,200	415	356	329
19	425	420	553	498	1,040	1,020	511	1,810	1,050	409	355	328
20	428	411	578	490	1,020	867	493	2,010	1,060	404	403	342
21	387	406	547	470	825	755	484	2,250	980	402	417	365
22	372	418	558	460	764	649	473	2,620	972	397	376	350
23	358	413	632	453	756	653	468	2,550	956	394	360	345
24	356	430	750	450	746	653	462	2,500	943	393	355	340
25	381	429	783	442	743	596	454	2,490	935	389	377	361
26	399	427	758	445	740	595	446	2,490	930	388	405	352
27	395	441	797	444	739	531	448	2,380	922	388	437	343
28	409	451	795	438	781	509	489	1,990	924	386	397	339
29	421	519	787	439	792	505	533	1,900	924	385	383	358
30	439	596	773	436	---	497	522	1,880	975	393	371	359
31	449	---	787	447	---	491	---	1,850	---	383	368	---
Total	12,877	14,082	23,144	16,337	22,682	25,151	15,291	40,992	38,091	18,646	11,623	10,400
Mean	415	469	747	527	782	811	510	1,322	1,270	601	375	347
Max	516	596	1,220	870	1,100	1,080	569	2,620	1,840	1,120	437	372
Min	356	406	496	436	449	491	446	473	922	383	355	328
Ac-ft	25,540	27,930	45,910	32,400	44,990	49,890	30,330	81,310	75,550	36,980	23,050	20,630

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