

DUWAMISH RIVER BASIN

12105900 GREEN RIVER BELOW HOWARD A. HANSON RESERVOIR, WA

LOCATION.--Lat 47°17'02", long 121°47'48", in NE 1/4 NW 1/4 sec.28, T.21 N., R.8 E., King County, Hydrologic Unit 17110013, on right bank 0.7 mi upstream from Bear Creek, 0.7 mi downstream from Howard A. Hanson Dam, 5.0 mi southeast of Palmer, and at mile 63.8.

DRAINAGE AREA.--221 mi².

PERIOD OF RECORD.--October 1960 (monthly discharge only), November 1960 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 990 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Howard A. Hanson Reservoir (station 12105800) for flood control and during summer months to augment the natural river flow.

AVERAGE DISCHARGE.--42 years (water years 1961-2002), 1001 ft³/s, 61.51 in/yr, 725,200 acre-ft/yr, adjusted for storage in Howard A. Hanson Reservoir since December 1961.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s Feb. 21, 1961, gage height, 14.40 ft; minimum discharge, 87 ft³/s Dec. 29, 1961, gage height, 3.49 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,930 ft³/s Jan. 8, gage height, 11.39 ft; minimum discharge, 236 ft³/s Aug. 11, 13, 14, gage height, 4.23 ft.

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	336	1500	786	717	1020	563	978	1660	1840	1010	248	278
2	335	1580	816	707	843	529	1080	2100	1730	1000	239	277
3	333	1570	994	698	847	545	1030	2210	1790	1000	239	255
4	332	1530	937	638	843	480	1090	2050	1850	998	239	252
5	311	1400	826	604	766	445	1290	2050	1860	1020	239	266
6	287	1220	869	614	722	472	1500	1860	2000	1050	239	275
7	285	1020	1140	2960	777	480	1590	1410	1810	1040	239	283
8	284	878	1030	5590	813	536	1780	1320	1470	977	239	281
9	303	690	848	4420	822	571	1650	1340	1080	927	239	274
10	340	606	956	2840	824	573	1810	1320	1070	941	239	268
11	357	609	1020	2120	824	585	2390	1440	1340	938	239	276
12	357	608	822	1960	818	811	2920	1440	1490	948	239	273
13	359	939	2900	1970	805	1000	3500	1440	1670	963	239	268
14	363	3820	4890	1620	785	1010	4670	1600	1780	959	239	266
15	398	3770	3000	1210	623	903	4700	1810	1680	955	248	266
16	526	1680	3130	1080	536	805	3320	1690	1460	950	256	266
17	592	1380	3430	1090	546	809	2350	1500	1220	944	263	266
18	590	1470	2640	907	686	809	1850	1510	1130	895	263	270
19	780	1730	1730	824	732	814	1610	1520	1250	795	256	276
20	920	1470	1430	854	934	740	1610	1680	1180	742	246	275
21	908	1210	1200	1160	1610	773	1610	1890	1080	738	245	273
22	901	1240	1030	1610	3090	802	1580	2250	1050	677	258	273
23	1370	1780	1040	1460	2990	758	1470	2080	996	578	261	273
24	1840	2050	1030	1780	2660	758	1370	1900	891	513	261	271
25	2040	1990	1010	2890	2260	760	1250	1820	811	456	261	329
26	2220	1750	910	2200	1690	764	1180	1820	747	412	259	375
27	2140	1350	817	1450	1330	769	1240	1930	732	400	256	373
28	1980	1150	663	1200	935	774	1240	2660	773	399	266	370
29	1460	1120	587	1050	---	861	1180	2950	981	362	271	369
30	1150	899	595	1260	---	916	714	2660	1070	322	274	367
31	1260	---	678	1350	---	921	---	2150	---	277	279	---
TOTAL	25657	44009	43754	50833	32131	22336	55552	57060	39831	24186	7778	8684
MEAN	827.6	1467	1411	1640	1148	720.5	1852	1841	1328	780.2	250.9	289.5
MAX	2220	3820	4890	5590	3090	1010	4700	2950	2000	1050	279	375
MIN	284	606	587	604	536	445	714	1320	732	277	239	252
AC-FT	50890	87290	86790	100800	63730	44300	110200	113200	79000	47970	15430	17220
MEAN†	670	1431	1423	1634	1156	1048	2194	1950	1345	396	186	143
CFSM†	3.03	6.48	6.44	7.39	5.23	4.74	9.93	8.82	6.09	1.79	0.84	0.65
IN.†	3.50	7.22	7.42	8.53	5.44	5.47	11.07	10.17	6.79	2.06	0.97	0.72
AC-FT†	41210	85110	87500	100500	64160	64440	130500	119900	80020	24340	11450	8480

CAL YR 2001 TOTAL 302835 MEAN 829.7 MAX 4890 MIN 217 AC-FT 600700 MEAN† 828 CFSM† 3.75 IN.† 50.90 AC-FT† 599900
WTR YR 2002 TOTAL 411811 MEAN 1128 MAX 5590 MIN 239 AC-FT 816800 MEAN† 1129 CFSM† 5.11 IN.† 69.37 AC-FT† 817600

† Adjusted for change in contents in Howard A. Hanson Reservoir.