

LAKE WASHINGTON BASIN

1

12125200 SAMMAMISH RIVER NEAR WOODINVILLE, WA

LOCATION.--Lat 47°42'15", long 122°08'29", in SW 1/4 SW 1/4 sec.26, T.26 N., R.5 E., King County, Hydrologic Unit 17110012, on right bank 3.9 mi upstream from Bear Creek, 3.6 mi southeast of Woodinville, and at mile 10.8.

DRAINAGE AREA.--159 mi², includes 1.9 mi² of Cedar River drainage from upper Rock Creek which is normally diverted into Issaquah Creek.

PERIOD OF RECORD.--January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (Corps of Engineers bench mark). Prior to July 7, 1970, auxiliary water-stage recorder 2 mi downstream from base gage at same datum.

REMARKS.--No estimated daily discharges. Records good. Some regulation at Sammamish Lake. Many small diversions for irrigation and domestic use. Water temperatures August 1965 to February 1967.

AVERAGE DISCHARGE.--37 years (water years 1966-2002), 311 ft³/s, 26.55 in/yr, 225,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,870 ft³/s Jan. 1, 1997, elevation, 26.93 ft; minimum daily discharge, 25 ft³/s Aug. 2, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,670 ft³/s Dec. 17, elevation, 23.13 ft; minimum discharge, 50 ft³/s Aug. 16.

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	91	227	1010	476	724	618	435	334	182	195	66	70
2	86	221	1020	506	678	577	416	320	180	166	62	74
3	82	203	924	461	649	542	397	308	176	153	59	84
4	75	204	857	430	605	512	381	289	177	145	61	79
5	72	237	812	410	591	489	368	278	181	144	58	76
6	71	211	756	431	622	465	360	286	189	136	58	73
7	68	194	668	644	664	444	369	275	195	141	61	74
8	88	179	610	837	854	438	342	260	199	215	57	74
9	78	165	578	714	754	424	349	245	199	174	56	72
10	76	152	579	645	731	436	402	233	198	157	55	71
11	147	142	567	601	749	559	392	222	187	142	57	70
12	105	158	545	603	676	566	398	212	180	132	68	69
13	97	235	772	577	624	569	460	211	175	126	65	69
14	85	832	1020	538	576	553	684	222	170	120	61	69
15	77	904	969	505	538	599	676	207	165	112	58	69
16	123	745	1230	477	505	598	755	195	161	107	55	73
17	154	617	1600	453	481	574	696	205	157	105	55	71
18	112	527	1440	441	466	549	644	189	173	99	56	69
19	117	576	1310	545	488	555	599	183	185	97	56	68
20	114	646	1170	530	459	654	559	199	181	96	64	69
21	122	657	1060	512	641	649	525	192	175	92	63	67
22	123	822	960	490	982	630	499	197	166	90	62	68
23	111	1180	867	469	938	598	477	186	158	88	62	64
24	112	986	790	467	894	569	443	174	147	85	67	60
25	221	795	723	730	808	545	417	163	143	81	68	59
26	193	670	667	731	740	520	408	158	146	79	65	56
27	341	572	620	706	683	504	423	154	144	77	65	57
28	280	691	587	682	668	508	390	171	170	73	64	60
29	234	915	545	639	---	508	365	206	202	71	65	106
30	224	929	508	677	---	482	349	194	176	71	65	74
31	260	---	491	725	---	456	---	187	---	68	65	---
TOTAL	4139	15592	26255	17652	18788	16690	13978	6855	5237	3637	1899	2114
MEAN	134	520	847	569	671	538	466	221	175	117	61.3	70.5
MAX	341	1180	1600	837	982	654	755	334	202	215	68	106
MIN	68	142	491	410	459	424	342	154	143	68	55	56
AC-FT	8210	30930	52080	35010	37270	33100	27730	13600	10390	7210	3770	4190
CFSM	0.84	3.27	5.33	3.58	4.22	3.39	2.93	1.39	1.10	0.74	0.39	0.44
IN.	0.97	3.65	6.14	4.13	4.40	3.90	3.27	1.60	1.23	0.85	0.44	0.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

MEAN	120	318	587	627	552	483	360	237	187	112	72.7	85.9
MAX	338	681	1078	1318	1066	1214	675	421	373	258	124	189
(WY)	1982	1976	1976	1997	1982	1972	1991	1996	1993	1997	1976	1978
MIN	49.8	70.1	186	246	200	222	199	150	84.7	59.8	33.1	43.0
(WY)	1988	1988	1977	1993	1977	2001	1992	1994	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1965 - 2002
ANNUAL TOTAL	104879	132836	
ANNUAL MEAN	287	364	311
HIGHEST ANNUAL MEAN			482
LOWEST ANNUAL MEAN			179
HIGHEST DAILY MEAN	1600	Dec 17	2830
LOWEST DAILY MEAN	53	Aug 20	25
ANNUAL SEVEN-DAY MINIMUM	57	Aug 14	29
ANNUAL RUNOFF (AC-FT)	208000	263500	225100
ANNUAL RUNOFF (CFSM)	1.81	2.29	1.95
ANNUAL RUNOFF (INCHES)	24.54	31.08	26.55
10 PERCENT EXCEEDS	613	742	678
50 PERCENT EXCEEDS	241	234	224
90 PERCENT EXCEEDS	86	68	66