

LAKE WASHINGTON BASIN

12120600 ISSAQUAH CREEK NEAR HOBART, WA

LOCATION.--Lat 47°27'27", long 122°00'14", in NE 1/4 NW 1/4 sec.26, T.23 N., R.6 E., King County, Hydrologic Unit 17110012, on left bank 20 ft downstream from highway bridge, 2.9 mi northwest of Hobart, and 10.2 mi upstream from mouth, 1.6 mi northwest of Issaquah, and at mile 33.1 (continuation of Sammamish River).

DRAINAGE AREA.--17.6 mi².

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 300 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good except for period Oct. 4-7, which is poor. No known regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--16 years (water years 1987-2002), 48.2 ft³/s, 37.19 in/yr, 34,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft³/s Nov. 24, 1990, gage height, 9.90 ft; minimum discharge, 5.3 ft³/s, Sept. 17-20, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 280 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 14	1400	*1,190	*8.78	Dec. 16	1215	411	6.64
Nov. 22	2100	319	6.28	Apr. 14	0330	430	6.71
Dec. 13	1700	590	7.24				

Minimum discharge, 7.9 ft³/s Sept. 26-29.

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	12	50	180	42	105	65	50	38	28	24	12	10
2	11	51	160	48	93	60	47	37	26	20	11	11
3	11	43	131	42	91	56	44	35	25	19	11	15
4	12	39	114	40	84	53	42	33	25	18	12	12
5	11	51	106	39	84	53	40	36	32	17	12	11
6	9.2	41	120	45	88	50	42	35	28	16	12	10
7	10	34	106	122	95	48	39	36	27	17	11	10
8	17	30	97	131	121	47	38	34	29	21	11	10
9	17	26	123	93	102	46	42	33	27	17	11	10
10	15	24	111	75	91	45	73	31	24	15	11	9.9
11	22	22	101	66	83	103	87	29	23	14	11	9.7
12	18	23	96	65	74	88	79	28	22	14	11	9.5
13	26	54	368	58	67	79	157	29	20	13	11	9.3
14	24	636	277	53	61	74	315	31	20	13	11	9.2
15	18	320	191	49	57	79	171	28	19	13	10	9.5
16	19	184	331	47	54	77	131	27	19	12	10	11
17	22	118	251	46	53	70	109	28	19	12	10	10
18	17	86	164	47	60	67	90	26	21	12	10	9.5
19	26	95	137	68	61	99	78	25	22	12	10	9.4
20	25	97	103	88	56	204	70	30	19	12	12	9.7
21	24	98	83	90	128	129	64	28	18	12	11	9.0
22	32	179	73	72	183	99	63	33	17	11	11	8.7
23	27	198	65	63	163	84	59	32	16	11	10	8.7
24	27	128	60	91	139	77	53	28	16	11	10	8.7
25	60	101	55	209	105	73	48	26	16	12	11	8.6
26	42	86	50	151	89	66	47	25	15	12	11	8.4
27	54	76	48	112	78	61	52	24	16	13	10	8.3
28	47	104	48	91	72	58	46	31	31	12	9.9	8.2
29	35	176	45	79	---	56	42	55	47	14	9.9	12
30	34	174	42	91	---	54	40	36	26	13	9.9	9.2
31	56	---	43	119	---	50	---	31	---	12	9.9	---
TOTAL	780.2	3344	3879	2432	2537	2270	2258	978	693	444	333.6	295.5
MEAN	25.2	111	125	78.5	90.6	73.2	75.3	31.5	23.1	14.3	10.8	9.85
MAX	60	636	368	209	183	204	315	55	47	24	12	15
MIN	9.2	22	42	39	53	45	38	24	15	11	9.9	8.2
AC-FT	1550	6630	7690	4820	5030	4500	4480	1940	1370	881	662	586
CFSM	1.43	6.33	7.11	4.46	5.15	4.16	4.28	1.79	1.31	0.81	0.61	0.56
IN.	1.65	7.07	8.20	5.14	5.36	4.80	4.77	2.07	1.46	0.94	0.71	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

	MEAN	20.2	80.8	82.8	83.7	75.4	70.6	54.9	35.6	32.1	20.3	12.4	11.2
MAX	41.2	245	156	140	159	137	98.4	58.3	69.3	59.1	18.2	18.1	
(WY)	1998	1991	1999	1997	1996	1997	1991	1996	1990	1997	1993	1997	
MIN	8.55	12.6	28.1	39.2	25.5	35.6	31.9	21.5	14.2	10.4	8.94	8.53	
(WY)	1988	1988	2001	2001	1993	1992	1998	1992	1992	1995	1994	1992	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1987 - 2002

ANNUAL TOTAL	16534.3	20244.3	
ANNUAL MEAN	45.3	55.5	
HIGHEST ANNUAL MEAN			80.9 1991
LOWEST ANNUAL MEAN			28.0 1994
HIGHEST DAILY MEAN	636	Nov 14	1000 Feb 8 1996
LOWEST DAILY MEAN	8.8	Sep 24	5.4 Sep 18 1992
ANNUAL SEVEN-DAY MINIMUM	9.3	Sep 19	5.7 Sep 16 1992
ANNUAL RUNOFF (AC-FT)	32800	40150	34900
ANNUAL RUNOFF (CFSM)	2.57	3.15	2.74
ANNUAL RUNOFF (INCHES)	34.95	42.79	37.19
10 PERCENT EXCEEDS	96	118	103
50 PERCENT EXCEEDS	30	38	31
90 PERCENT EXCEEDS	11	10	10