12113346 SPRING BROOK CREEK NEAR ORILLIA, WA

LOCATION.--Lat 47°25'53", long 122°13'35", in SW $^1/_4$ SW $^1/_4$ sec.31, T.23 N., R.5 E., King County, Hydrologic Unit 17110013, on right bank 50 ft upstream from 84th Avenue South (East Valley Highway), 1.2 mi upstream from confluence with Mill Creek, and 1.0 mi southeast of Orillia.

DRAINAGE AREA.--8.44 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1993 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is sea level (City of Kent benchmark). U.S. Geological Survey satellite telemeter at station.

REMARKS.--No estimated daily discharges. Records poor. Natural flow affected by urbanization and construction of flood-control catchments.

AVERAGE DISCHARGE.--7 years (water years 1994-2000), 10.7 ft^3/s, 17.27 in/yr, 7,770 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 450 ft^3/s Feb. 9, 1996, elevation, 19.55 ft; minimum discharge, 0.74 ft^3/s Aug. 2-5, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 220 ft^3/s Nov. 12, elevation, 18.01 ft; minimum discharge, 1.5 ft^3/s Oct. 2-6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	6.7	38	30	97	22	6.1	4.6	4.5	3.1	2.7	2.9
2	1.6	4.0	44	15	31	32	5.9	8.2	4.3	3.0	2.6	3.1
3	1.5	4.4	12	21	18	25	5.8	14	4.1	16	2.7	4.5
4	1.5	4.2	7.7	39	15	57	5.7	5.8	4.1	3.9	2.7	6.3
5	1.5	6.7	19	18	13	22	5.5	6.2	4.2	3.2	2.7	3.2
6	1.7	53	27	15	13	16	7.7	4.0	5.2	3.0	2.8	3.4
7	1.9	8.0	11	16	22	13	6.3	3.7	4.9	2.9	2.8	3.4
8	48	9.9	11	31	62	12	5.4	4.7	7.6	3.0	2.9	7.5
9	18	46	23	38	27	12	5.2	24	5.8	3.0	2.7	4.0
10	4.8	92	11	29	17	11	5.1	23	6.6	3.2	2.9	40
11	5.1	73	11	28	14	10	5.0	22	11	3.2	2.9	20
12	6.3	190	52	30	13	8.8	5.0	6.4	72	3.2	2.7	4.6
13	4.4	98	23	25	12	16	10	5.3	8.8	3.0	2.8	3.7
14	3.6	31	28	35	29	23	15	4.9	5.2	3.0	2.8	3.3
15	3.1	18	87	24	20	11	14	4.6	4.6	3.0	2.8	3.0
16	2.9	30	59	33	13	20	6.5	4.4	4.2	2.9	2.7	3.0
17	2.9	62	55	19	11	10	5.3	4.3	4.6	3.0	2.6	2.8
18	2.8	17	41	15	10	16	5.0	9.9	4.3	3.0	12	2.7
19	2.8	20	29	14	9.9	11	4.7	16	3.8	2.9	7.3	4.2
20	2.8	50	23	26	9.6	8.7	4.6	4.9	3.5	2.9	3.1	4.1
21	2.8	61	20	23	17	8.2	4.8	7.3	3.4	2.9	3.0	4.3
22	2.9	33	18	16	27	28	5.5	6.9	3.4	3.1	3.0	2.9
23	3.0	20	17	13	18	13	5.3	4.5	3.4	3.2	2.9	2.4
24	3.2	22	16	12	12	9.5	4.7	4.4	3.3	3.0	2.9	2.3
25	5.8	123	15	15	18	9.4	11	4.4	3.2	3.0	3.3	2.2
26	4.6	70	14	12	17	8.8	5.1	6.2	3.5	3.0	4.2	2.3
27	13	42	13	11	25	9.3	5.3	6.9	3.2	3.1	3.3	2.1
28	28	31	13	10	15	8.6	5.8	5.5	3.0	2.9	2.9	2.1
29	11	24	12	10	39	8.6	4.5	5.0	3.0	2.8	3.0	2.4
30	7.3	56	12	10	---	7.5	3.9	4.6	3.0	2.8	4.5	8.3
31	41	---	22	15	---	7.0	---	4.9	---	2.8	3.4	---
TOTAL	241.4	1305.9	783.7	648	644.5	474.4	189.7	241.5	205.7	107.0	105.6	161.0
MEAN	7.79	43.5	25.3	20.9	22.2	15.3	6.32	7.79	6.86	3.45	3.41	5.37
MAX	48	190	87	39	97	57	15	24	72	16	12	40
MIN	1.5	4.0	7.7	10	9.6	7.0	3.9	3.7	3.0	2.8	2.6	2.1
AC-FT	479	2590	1550	1290	1280	941	376	479	408	212	209	319
CFSM	.92	5.16	3.00	2.48	2.63	1.81	.75	.92	.81	.41	.40	.64
IN.	1.06	5.76	3.45	2.86	2.84	2.09	.84	1.06	.91	.47	.47	.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	8.25	19.6	21.4	18.2	17.3	12.7	8.59	6.13	4.99	3.91	4.13	3.97
MAX	12.4	43.5	30.9	25.0	35.8	15.8	15.0	8.00	6.86	5.92	5.69	7.23
(WY)	1998	2000	1999	1996	1996	1998	1996	1996	2000	1997	1996	1997
MIN	4.45	5.08	9.73	7.46	6.97	6.41	5.81	3.34	2.99	2.59	2.14	1.71
(WY)	1994	1994	1994	1994	1997	1996	1995	1995	1996	1994	1994	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	4979.5		5108.4			
ANNUAL MEAN	13.6		14.0		10.7	
HIGHEST ANNUAL MEAN					14.5	1996
LOWEST ANNUAL MEAN					6.22	1994
HIGHEST DAILY MEAN	190	Nov 12	190	Nov 12	303	Feb 8 1996
LOWEST DAILY MEAN	1.5	Sep 4	1.5	Oct 3	.74	Aug 3 1995
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 7	1.6	Oct 1	.87	Sep 19 1995
ANNUAL RUNOFF (AC-FT)	9880		10130		7770	
ANNUAL RUNOFF (CFSM)	1.62		1.65		1.27	
ANNUAL RUNOFF (INCHES)	21.95		22.52		17.27	
10 PERCENT EXCEEDS	31		31		23	
50 PERCENT EXCEEDS	7.0		6.6		5.4	
90 PERCENT EXCEEDS	1.8		2.8		2.3	