12128000 THORNTON CREEK NEAR SEATTLE, WA

LOCATION.--Lat 47°41'45", long 122°16'30", in NW ¼ SE ¼ sec.34, T.26 N., R.4 E., King County, Hydrologic Unit 17110012, on left bank, at highway crossing, 1.5 mi north of Seattle city limits, and at mile 0.25.

DRAINAGE AREA.--12.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1945 to September 1946, May 1961 to September 1968, March 1996 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 40 ft above NGVD of 1929, from topographic map. June 1945 to September 1946 at datum 0.09 ft higher.

REMARKS.--No estimated daily discharges. Records fair except discharges above 100 ft^3/s which are poor. Intermittent regulation and diversions. Natural flow affected by urbanization and flood-control catchments.

AVERAGE DISCHARGE.--15 years (water years 1946, 1962-68, 1997-2003), 11.7 ft^3/s, 13.19 in/yr, 8,510 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 423 ft^3/s Dec. 31, 1996, gage height, 5.26 ft; minimum daily discharge, 0.39 ft^3/s Sept. 22, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 216 ft^3/s Sept. 16, gage height, 2.80 ft, minimum discharge 0.81 ft^3/s Aug. 18.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	3.8	3.9	23	9.9	5.8	12	5.4	4.5	5.2	2.7	2.4
2	3.7	4.1	3.6	42	8.7	9.3	14	4.9	4.1	5.0	2.6	2.6
3	11	4.2	3.1	26	15	7.9	14	5.8	3.9	4.7	2.6	3.8
4	4.6	4.4	3.1	33	8.2	5.8	8.3	13	3.9	4.5	2.3	2.6
5	4.9	4.7	5.3	17	7.1	5.6	15	12	3.8	5.1	2.6	2.6
6	3.8	17	4.4	11	6.6	6.7	18	6.2	3.7	5.7	2.9	2.7
7	3.5	14	4.1	9.7	6.3	16	9.3	6.0	3.6	5.4	2.6	2.7
8	3.7	12	4.1	8.7	6.2	12	9.2	5.4	3.5	3.5	2.5	6.0
9	4.1	8.3	4.4	7.2	5.9	19	15	5.1	3.9	3.2	4.9	4.9
10	4.8	8.5	16	6.4	5.9	9.1	8.1	5.0	3.3	3.6	4.3	6.8
11	3.7	5.6	15	10	5.8	8.2	7.4	4.8	3.6	3.5	3.2	9.7
12	3.7	16	17	25	5.7	27	7.6	4.3	4.6	3.3	2.8	8.5
13	3.7	9.8	14	16	5.6	38	23	4.6	4.6	2.9	2.5	5.9
14	3.7	7.1	30	17	5.5	22	11	4.7	3.3	3.5	2.4	3.7
15	3.7	4.8	24	9.4	8.5	16	8.7	4.8	3.5	3.4	2.7	8.3
16	3.9	19	27	7.6	20	11	7.1	8.2	3.4	3.1	1.6	24
17	3.8	9.5	18	6.8	12	9.9	7.0	7.6	3.4	2.8	1.3	5.6
18	3.6	6.5	12	6.5	8.6	13	7.5	5.4	4.6	2.8	3.6	4.0
19	3.9	8.7	8.3	6.2	7.9	14	6.5	6.4	3.9	2.8	3.0	4.6
20	4.3	6.7	7.0	5.9	9.2	13	6.3	5.2	14	2.8	2.7	3.3
21	4.3	6.1	6.2	17	13	22	8.0	5.1	5.4	2.8	2.5	2.9
22	4.1	4.8	5.7	27	11	32	6.7	4.8	4.8	2.7	2.1	4.0
23	3.7	4.6	5.5	23	7.3	16	8.6	4.7	4.8	2.7	2.0	3.3
24	3.7	4.3	7.9	22	6.6	12	20	4.6	4.7	2.6	2.4	3.0
25	3.9	4.1	15	14	6.2	10	8.8	8.2	4.6	2.8	2.4	3.2
26	4.1	4.1	14	27	6.0	14	6.9	4.8	4.7	2.9	3.8	2.7
27	3.8	4.4	17	15	5.7	7.4	6.3	5.0	4.6	2.7	3.1	2.6
28	3.9	4.0	9.4	11	7.0	6.4	6.1	5.3	4.8	2.6	2.8	2.5
29	4.1	4.2	10	17	---	6.7	5.9	4.1	4.9	2.6	2.7	3.7
30	4.7	4.1	17	19	---	7.0	5.6	4.7	4.5	2.5	2.5	3.1
31	3.8	---	11	17	---	17	---	4.6	---	2.7	2.0	---
TOTAL	129.7	219.4	343.0	503.4	231.4	419.8	297.9	180.7	134.9	106.4	84.1	145.7
MEAN	4.18	7.31	11.1	16.2	8.26	13.5	9.93	5.83	4.50	3.43	2.71	4.86
MAX	11	19	30	42	20	38	23	13	14	5.7	4.9	24
MIN	3.5	3.8	3.1	5.9	5.5	5.6	5.6	4.1	3.3	2.5	1.3	2.4
AC-FT	257	435	680	998	459	833	591	358	268	211	167	289
CFSM	0.35	0.60	0.91	1.34	0.68	1.12	0.82	0.48	0.37	0.28	0.22	0.40
IN.	0.40	0.67	1.05	1.55	0.71	1.29	0.92	0.56	0.41	0.33	0.26	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2003, BY WATER YEAR (WY)

MEAN	9.70	15.0	17.6	19.4	17.0	15.9	12.2	8.91	7.71	5.83	5.55	7.21
MAX	18.0	29.8	30.7	36.2	45.0	34.4	25.8	13.8	15.1	10.1	10.1	17.3
(WY)	(1946)	(1946)	(1946)	(1946)	(1946)	(1946)	(1946)	(1946)	(1964)	(1946)	(1945)	(1945)
MIN	4.18	7.31	9.78	11.8	8.26	10.2	8.64	5.83	3.62	3.26	1.79	1.27
(WY)	(2003)	(2003)	(2001)	(2001)	(2003)	(1965)	(2000)	(2003)	(1997)	(1996)	(1999)	(1999)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1945 - 2003	
ANNUAL TOTAL	3,131.4		2,796.4			
ANNUAL MEAN	8.58		7.66		11.7	
HIGHEST ANNUAL MEAN					23.0	1946
LOWEST ANNUAL MEAN					7.66	2003
HIGHEST DAILY MEAN	42	Jan 7	42	Jan 2	129	Dec 31, 1996
LOWEST DAILY MEAN	3.0	Sep 28	1.3	Aug 17	0.39	Sep 22, 1999
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 12	2.4	Aug 11	0.52	Sep 9, 1999
ANNUAL RUNOFF (AC-FT)	6,210		5,550		8,510	
ANNUAL RUNOFF (CFSM)	0.71		0.63		0.97	
ANNUAL RUNOFF (INCHES)	9.63		8.60		13.19	
10 PERCENT EXCEEDS	17		16		23	
50 PERCENT EXCEEDS	6.5		5.3		9.0	
90 PERCENT EXCEEDS	3.6		2.7		4.2	

12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1996 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1996 to September 1998.
WATER TEMPERATURE: March 1996 to curent year.
DISSOLVED OXYGEN: March to September 1996.

INSTRUMENTATION.--Water-quality monitor since March 1996. Electronic data logger with fifteen-minute recording interval.

REMARKS.--Records excellent. Unpublished dissolved oxygen data for portions of the 1997 water year are available in the files of the Washington District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 330 microsiemens Aug. 13, 1996, but may have been higher during periods of missing record; minimum recorded, 46 microsiemens Mar. 18, 1997, but may have been lower during periods of missing record.
WATER TEMPERATURE: Maximum recorded, 23.0°C (rounded) July 27, 1998; minimum recorded, 0.0°C (rounded) Dec. 29, 1996.
DISSOLVED OXYGEN: Maximum recorded, 12.7 mg/L Mar. 20, 1996, but may have been higher during periods of missing record; minimum recorded, 5.0 mg/L Apr. 7, 1996, but may have been lower during periods of missing record.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 21.2°C July 30; minimum, 3.9°C Feb. 25.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.2	11.6	12.3	6.9	4.9	6.0	8.7	7.5	8.1	7.4	7.0	7.2
2	12.3	10.8	11.6	6.7	4.8	5.8	9.3	8.3	8.8	9.1	7.0	8.0
3	13.7	12.0	13.0	6.7	4.7	5.7	8.4	8.0	8.2	9.1	8.3	8.6
4	14.0	12.9	13.4	7.0	5.1	6.1	8.9	8.1	8.4	9.7	8.7	9.2
5	13.6	12.9	13.2	9.4	6.9	8.1	8.4	7.2	7.8	9.1	8.1	8.8
6	14.4	12.9	13.5	10.5	8.8	9.7	7.8	6.6	7.3	8.1	6.9	7.4
7	13.9	12.9	13.3	10.7	10.0	10.4	7.6	6.6	7.1	7.2	6.0	6.7
8	13.6	12.4	12.9	10.7	10.4	10.5	7.0	6.0	6.5	7.2	5.9	6.5
9	13.4	12.6	13.1	10.7	10.0	10.4	7.8	5.7	6.6	6.9	5.6	6.2
10	12.6	11.4	12.1	10.9	10.1	10.5	8.2	7.5	7.8	6.1	4.9	5.5
11	11.4	10.2	10.8	11.1	10.3	10.7	8.5	7.6	7.9	7.2	5.0	5.9
12	10.8	8.7	9.8	11.5	10.8	11.1	9.4	8.5	9.0	7.6	6.8	7.3
13	11.0	8.8	9.9	11.4	10.7	11.1	9.1	8.5	8.8	8.0	7.3	7.7
14	11.1	8.8	10	11.5	10.1	11.1	10.2	8.6	9.2	8.4	7.0	8.0
15	11.7	9.3	10.5	10.1	9.1	9.7	9.7	8.9	9.2	7.3	6.3	6.8
16	12.2	9.8	11.0	10.1	8.9	9.6	8.9	8.1	8.4	7.5	6.1	6.8
17	12.0	10.0	11.1	10.3	9.3	9.8	8.3	7.9	8.1	7.2	6.0	6.6
18	11.5	10.6	11.1	10.7	9.8	10.1	8.0	7.2	7.8	6.8	5.4	6.2
19	12.3	11.5	11.9	11.9	10.7	11.4	7.8	7.1	7.5	8.1	6.3	7.3
20	13.2	12.3	12.7	11.8	10.9	11.4	7.9	7.3	7.7	8.2	7.0	7.5
21	13.3	12.6	12.9	11.3	10.3	10.8	8.0	7.1	7.6	7.8	7.2	7.5
22	13.1	12.0	12.7	11.2	11.0	11.1	8.4	6.9	7.9	8.2	7.3	7.8
23	12.0	10.7	11.2	11.0	9.6	10.6	6.9	5.4	6.0	8.8	8.2	8.5
24	10.9	9.9	10.3	9.6	7.8	8.8	6.5	4.9	5.6	9.1	8.2	8.7
25	10.3	9.9	10.1	7.8	6.7	7.1	7.7	6.5	7.1	9.9	9.0	9.3
26	10.3	9.7	10	7.0	5.8	6.5	7.5	6.9	7.2	11.2	9.9	10.7
27	10.3	9.0	9.6	7.1	5.8	6.4	7.4	6.4	7.0	10.2	9.3	9.8
28	11.2	10.1	10.7	7.4	5.9	6.7	7.3	6.7	7.0	9.7	8.3	9.2
29	10.4	9.1	10.0	7.3	6.1	6.7	7.0	6.5	6.8	9.0	7.8	8.3
30	9.1	6.7	7.5	7.5	6.4	6.9	7.3	6.1	6.7	10.1	9.0	9.5
31	7.0	5.2	6.2	---	---	---	7.4	6.8	7.1	10.2	9.4	10
MONTH	14.4	5.2	11.2	11.9	4.7	9.0	10.2	4.9	7.6	11.2	4.9	7.9

12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.7	9.1	9.4	8.8	6.7	7.7	10.9	9.6	10.2	14.5	11.1	12.5
2	9.7	9.0	9.3	7.9	6.5	7.2	10.1	8.2	9.1	14.5	11.6	13.0
3	9.3	8.4	8.9	8.6	7.4	7.8	9.9	8.2	8.9	13.0	11.7	12.6
4	8.5	7.3	8.0	8.5	6.8	7.7	10.4	8.3	9.2	12.1	11.0	11.5
5	7.5	6.5	6.9	9.0	8.0	8.4	9.4	8.5	9.0	12.8	10.3	11.4
6	7.2	5.5	6.3	8.9	6.9	7.8	10.5	8.5	9.3	13.2	10.2	11.5
7	7.0	5.6	6.2	7.8	6.6	7.2	10.9	9.2	10	13.5	9.4	11.3
8	7.4	6.6	6.9	7.5	6.3	6.9	12.8	10.1	11.2	13.0	10.6	11.6
9	7.0	6.5	6.7	8.7	7.2	7.9	12.4	10.0	11.2	14.0	10.5	12.3
10	7.2	6.1	6.6	10.5	8.6	9.3	11.8	9.4	10.5	14.5	12.1	13.1
11	6.9	5.2	6.0	10.1	9.0	9.5	12.6	10.3	11.3	15.2	11.8	13.4
12	7.1	5.1	6.0	11.1	9.1	9.9	11.7	10.1	10.9	14.0	12.9	13.3
13	7.9	5.6	6.7	10.6	9.8	10.2	11.4	10.0	10.7	15.1	11.9	13.5
14	8.8	7.1	7.9	11.2	9.7	10.4	12.9	9.8	11.2	14.0	13.0	13.5
15	8.3	7.1	7.7	11.5	10.1	10.7	13.1	10.4	11.5	13.3	12.1	12.8
16	8.6	7.9	8.2	10.8	9.5	10.0	12.6	10.3	11.3	13.3	11.5	12.2
17	8.5	7.6	8.1	11.0	8.0	9.5	12.0	10.5	11.1	12.8	10.8	11.6
18	9.0	8.0	8.5	10.1	8.2	9.1	12.4	10.0	11.1	12.6	10.9	11.7
19	9.0	8.2	8.6	10.1	8.1	9.1	12.7	9.8	11.1	13.2	10.8	12.1
20	8.9	8.2	8.6	10.9	9.2	9.9	12.9	10.2	11.6	12.6	11.1	11.9
21	9.7	8.4	8.9	10.2	9.4	9.7	11.9	11.1	11.4	14.5	11.9	13.0
22	9.2	7.9	8.6	10.8	9.4	10	11.8	10.6	11.1	13.9	12.8	13.4
23	8.6	6.3	7.5	9.6	8.7	9.2	11.4	9.5	10.6	16.6	13.0	14.6
24	6.4	4.3	5.5	9.8	7.6	8.8	11.5	10.0	10.6	15.8	13.8	14.9
25	6.6	3.9	5.2	11.2	8.9	9.8	13.1	9.2	10.8	15.3	14.1	14.8
26	7.3	4.7	6.0	10.1	8.9	9.6	12.0	9.7	10.7	15.9	12.8	14.3
27	7.8	5.4	6.6	10.8	8.8	9.6	13.6	10.1	11.6	17.3	13.5	15.2
28	8.0	6.6	7.3	10.9	8.1	9.6	14.0	9.7	11.8	17.0	15.2	15.9
29	---	---	---	12.5	9.4	10.9	13.4	11.3	12.3	16.8	12.9	14.9
30	---	---	---	12.9	10.2	11.5	12.9	10.9	11.9	15.7	13.7	14.7
31	---	---	---	12.5	10.9	11.7	---	---	---	16.0	13.3	14.5
MONTH	9.7	3.9	7.4	12.9	6.3	9.2	14.0	8.2	10.8	17.3	9.4	13.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.1	13.6	14.6	16.7	14.8	15.7	19.0	16.3	17.6	17.1	14.3	15.9
2	15.8	13.1	14.4	16.5	13.5	15.0	18.6	15.7	17.1	17.7	14.2	15.9
3	16.3	12.1	14.1	17.3	13.1	15.2	18.5	15.6	17.0	19.3	15.0	17.2
4	17.2	12.7	14.9	17.9	14.0	15.9	19.6	15.4	17.4	18.8	16.1	17.4
5	18.2	13.7	15.9	16.6	15.2	15.8	19.4	16.7	18.1	19.3	15.6	17.3
6	19.2	14.6	16.8	17.9	14.0	15.9	19.8	17.3	18.3	17.8	15.2	16.7
7	19.5	15.4	17.4	18.5	14.6	16.7	19.9	16.6	18.2	17.2	16.0	16.5
8	18.2	15.6	16.9	17.1	15.1	16.0	19.6	17.0	18.3	17.4	15.3	16.3
9	17.4	14.9	15.8	18.9	14.5	16.5	18.6	17.2	17.9	16.5	15.0	15.7
10	16.2	14.2	14.6	20.4	15.1	17.6	18.2	17.1	17.6	16.1	15.4	15.7
11	16.6	13.3	14.8	19.4	16.0	17.7	19.4	16.8	18.0	16.3	15.7	15.9
12	16.7	13.7	15.0	19.5	15.9	17.7	19.4	16.9	18.1	15.8	14.5	15.2
13	15.7	14.2	14.9	18.0	16.4	17.1	19.6	16.1	17.8	15.3	12.5	14.0
14	16.0	13.6	14.7	19.4	15.6	17.3	19.9	16.2	18.0	15.3	13.0	14.2
15	16.7	13.3	15.0	18.3	15.9	17.1	19.1	17.1	18.1	14.8	13.2	14.0
16	17.3	13.1	15.2	18.1	15.7	16.8	18.3	17.2	17.9	14.3	13.2	13.8
17	18.3	14.0	16.0	18.8	14.5	16.5	19.9	17.3	18.4	14.4	13.2	13.9
18	16.9	15.0	16.0	18.9	14.6	16.8	19.9	17.2	18.6	14.7	13.7	14.2
19	15.1	13.5	14.1	19.2	14.9	17.0	19.6	16.3	17.9	15.4	14.5	14.9
20	15.0	13.5	14.3	19.9	16.4	17.8	18.6	15.4	17.1	14.5	12.8	13.8
21	14.1	13.0	13.6	20.5	16.6	18.5	18.5	14.9	16.8	14.2	12.0	13.3
22	14.5	12.6	13.5	20.1	16.2	18.2	17.5	15.7	16.6	15.5	12.6	14.0
23	15.0	13.0	13.8	19.6	16.0	17.8	17.4	14.4	16.0	15.7	14.2	14.9
24	16.5	12.4	14.3	18.7	15.6	17.1	18.1	14.5	16.3	15.2	13.1	14.3
25	17.4	13.1	15.2	19.7	15.0	17.1	18.6	15.2	16.9	16.1	13.9	15.0
26	18.5	14.4	16.3	19.1	15.8	17.5	18.1	16.7	17.3	15.6	13.8	14.8
27	19.0	15.1	16.9	19.5	15.4	17.4	17.9	15.8	16.7	16.8	13.8	15.2
28	19.3	14.8	17.0	20.3	15.9	18.0	18.1	14.6	16.2	17.4	14.7	16.0
29	17.5	15.5	16.4	20.9	16.6	18.7	18.0	14.7	16.4	16.0	14.9	15.2
30	17.8	15.1	16.2	21.2	17.2	19.2	18.2	15.0	16.6	15.7	14.2	14.9
31	---	---	---	20.1	17.4	18.8	17.8	15.1	16.5	---	---	---
MONTH	19.5	12.1	15.3	21.2	13.1	17.1	19.9	14.4	17.4	19.3	12.0	15.2
YEAR	21.2	3.9	11.8									

12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
OCT													
08...	1130	3.7	769	9.8	91	7.8	246	12.5	12.5	92	112	0.0	6.47
NOV													
06...	1210	21	763	10.1	88	7.7	182	--	9.3	58	71	0.0	5.42
DEC													
04...	1220	3.7	770	10.6	89	7.8	243	7.8	8.5	88	107	0.0	6.36
JAN													
07...	1210	10	770	11.7	94	7.5	201	9.9	6.4	66	80	0.0	5.26
FEB													
06...	1140	6.8	777	12.2	96	8.0	220	5.7	5.8	77	94	0.0	5.92
MAR													
05...	1150	6.1	758	12.0	103	8.2	223	9.6	8.3	81	99	0.0	6.59
APR													
02...	1140	8.9	754	11.4	99	8.0	166	12.3	9.0	60	72	0.0	3.49
MAY													
14...	1250	4.9	763	9.7	94	8.1	232	15.5	13.8	90	108	0.0	6.92
JUN													
10...	1210	3.5	762	9.5	92	8.0	252	15.6	14.1	93	112	0.0	7.28
JUL													
16...	1330	3.1	767	9.7	99	8.1	246	24.7	16.6	87	105	0.0	7.41
AUG													
07...	1140	3.2	766	8.8	92	8.0	258	25.8	17.9	91	109	0.0	7.64
SEP													
11...	1140	7.0	767	9.2	92	8.0	249	17.8	15.8	91	110	0.0	7.34

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
OCT													
08...	18.2	0.30	E.03	1.24	E.007	0.08	0.078	1.5	--	--	--	--	--
NOV													
06...	13.9	1.9	0.20	0.92	0.031	0.05	0.26	2.8	<0.006	<0.006	<0.006	<0.004	<0.005
DEC													
04...	17.7	0.28	0.06	1.21	0.008	0.05	0.088	1.5	--	--	--	--	--
JAN													
07...	16.9	0.29	E.03	1.33	E.007	0.03	0.055	1.6	<0.006	<0.006	<0.006	<0.004	<0.005
FEB													
06...	17.9	0.32	E.03	1.36	E.006	0.03	0.052	1.7	--	--	--	--	--
MAR													
05...	17.4	0.20	<0.04	1.13	<0.008	0.02	0.051	1.3	<0.006	<0.006	<0.006	<0.004	<0.005
APR													
02...	11.9	0.30	<0.04	0.90	E.004	0.02	0.048	1.2	<0.006	<0.006	<0.006	<0.004	<0.005
MAY													
14...	17.1	0.39	E.03	1.04	0.015	0.02	0.066	1.4	<0.006	<0.006	<0.006	<0.004	<0.005
JUN													
10...	17.6	0.46	E.04	1.17	0.008	0.04	0.111	1.6	<0.006	<0.006	<0.006	<0.004	<0.005
JUL													
16...	18.2	0.24	<0.04	1.10	E.004	0.05	0.088	1.3	<0.006	<0.006	<0.006	<0.004	<0.005
AUG													
07...	17.8	0.99	<0.04	0.87	0.018	E.01	0.175	1.9	<0.006	<0.006	<0.006	<0.004	<0.005
SEP													
11...	17.1	0.31	E.02	1.01	<0.008	0.04	0.078	1.3	<0.006	<0.006	<0.006	<0.004	<0.005

12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benflur-alin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)
OCT													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
06...	103	<0.007	<0.050	<0.010	<0.002	E.219	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005
DEC													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
07...	96.9	<0.007	<0.050	<0.010	<0.002	E.035	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	E.004
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
05...	97.2	<0.007	<0.050	<0.010	<0.002	E.008	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005
APR													
02...	131	<0.007	<0.050	<0.010	<0.002	E.020	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.017
MAY													
14...	91.1	<0.007	<0.050	<0.010	<0.002	E.154	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	0.110
JUN													
10...	92.9	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005
JUL													
16...	93.5	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005
AUG													
07...	86.5	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005
SEP													
11...	93.5	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.004	<0.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalflur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
OCT													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
06...	131	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
DEC													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
07...	120	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
05...	105	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
APR													
02...	134	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
MAY													
14...	109	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
JUN													
10...	120	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
JUL													
16...	115	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
AUG													
07...	92.3	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035
SEP													
11...	108	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035

12128000 THORNTON CREEK NEAR SEATTLE, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)
OCT													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
06...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.06	<0.004
DEC													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
07...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02	<0.004
FEB													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
05...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004
APR													
02...	E.015	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.03	<0.004
MAY													
14...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004
JUN													
10...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004
JUL													
16...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	<0.01	<0.004
AUG													
07...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004
SEP													
11...	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01	<0.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)
OCT												
08...	--	--	--	--	--	--	--	--	--	--	3	0.03
NOV												
06...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	69	3.9
DEC												
04...	--	--	--	--	--	--	--	--	--	--	6	0.06
JAN												
07...	<0.010	<0.011	<0.02	0.010	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	9	0.24
FEB												
06...	--	--	--	--	--	--	--	--	--	--	3	0.06
MAR												
05...	<0.010	<0.011	<0.02	0.017	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	5	0.08
APR												
02...	<0.010	<0.011	<0.02	0.045	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	5	0.12
MAY												
14...	<0.010	<0.011	<0.02	<0.010	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	3	0.04
JUN												
10...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	12	0.11
JUL												
16...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	5	0.04
AUG												
07...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	17	0.15
SEP												
11...	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	5	0.09

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
JUL								
24...	1000	2.8	14.3	520	529.4	695	6.4	20.6