

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 current 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 Unpublished dissolved oxygen data for portions of the 1997 water year are available in the files of the Washington District office.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, 21.1°C July 22; minimum, 4.5°C Dec. 25.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.9	11.6	12.8	11.3	10.7	11.0	8.4	7.5	8.0	7.5	6.1	6.8
2	13.1	10.8	12.1	11.5	10.7	11.3	8.0	7.5	7.8	8.1	7.3	7.7
3	12.8	10.8	11.9	11.6	10.4	10.9	8.0	7.3	7.8	7.9	6.8	7.4
4	12.8	10.4	11.7	11.7	11.0	11.3	7.5	6.8	7.2	8.4	7.6	7.9
5	12.4	9.7	11.2	11.1	9.6	10.3	7.4	6.8	7.1	8.3	7.6	7.9
6	12.9	11.2	12.0	9.6	8.7	9.2	7.9	7.0	7.5	9.6	7.5	8.2
7	11.9	11.0	11.5	9.2	7.9	8.6	8.4	7.7	8.1	10.9	9.6	10.4
8	12.9	11.7	12.3	9.2	7.3	8.3	8.7	8.3	8.5	10.5	9.5	9.9
9	12.6	11.4	12.0	8.9	7.5	8.2	8.4	7.3	7.7	9.5	8.6	9.1
10	11.7	10.4	11.0	9.4	7.5	8.4	7.5	6.9	7.2	8.8	8.3	8.5
11	11.7	6.7	9.9	10.2	9.0	9.6	7.8	6.9	7.3	9.2	8.4	8.7
12	12.1	10.7	11.1	10.9	10.2	10.5	7.7	6.8	7.2	9.1	8.5	8.7
13	12.2	11.6	11.9	11.4	10.8	11.0	8.6	7.7	8.2	8.5	7.4	7.9
14	12.7	11.5	12.0	12.3	11.1	11.7	8.4	7.3	7.9	7.5	6.4	7.1
15	12.5	11.1	11.6	12.1	11.4	11.8	7.5	7.0	7.3	7.2	6.0	6.6
16	12.0	10.8	11.6	11.4	10.6	11.1	8.9	7.3	8.4	7.1	6.8	6.9
17	11.2	9.8	10.5	10.6	8.9	9.9	8.8	7.4	7.8	7.4	6.7	7.0
18	11.2	9.8	10.4	9.5	7.8	8.7	7.7	7.2	7.4	7.2	6.6	6.8
19	12.5	11.2	11.9	10.5	9.2	9.8	7.7	7.3	7.4	6.9	6.4	6.7
20	11.6	10.1	10.7	10.7	10.3	10.5	7.5	7.1	7.3	7.5	6.8	7.1
21	11.2	10.4	10.7	10.4	10.1	10.3	7.7	6.6	7.2	6.9	6.5	6.7
22	12.1	11.1	11.4	10.2	9.1	9.6	7.5	5.9	6.7	7.2	6.3	6.7
23	11.4	10.4	10.8	9.9	9.1	9.5	7.3	5.8	6.4	7.3	6.1	6.5
24	10.8	10.0	10.3	9.5	8.9	9.2	6.1	4.9	5.5	7.8	7.3	7.6
25	11.2	10.2	10.7	9.4	9.0	9.2	5.7	4.5	5.2	7.4	6.2	6.7
26	11.8	10.6	11.0	9.3	8.8	9.0	5.8	4.6	5.2	6.5	5.8	6.1
27	10.6	9.4	9.9	8.9	8.4	8.7	7.4	5.8	6.6	5.8	5.4	5.6
28	9.5	8.7	9.2	8.4	6.1	7.1	7.8	6.7	7.3	5.6	4.9	5.3
29	10.0	8.4	9.2	8.0	6.9	7.6	7.4	6.1	6.7	5.6	4.9	5.2
30	11.7	10.0	10.7	8.0	7.3	7.7	6.7	5.7	6.3	5.8	5.1	5.4
31	11.5	10.5	10.9	---	---	---	7.9	6.6	7.2	6.5	5.8	6.2
MONTH	13.9	6.7	11.1	12.3	6.1	9.7	8.9	4.5	7.2	10.9	4.9	7.3

LAKE WASHINGTON BASIN

12128000 THORNTON CREEK NEAR SEATTLE, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BAROMETRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT													
10...	1050	5.3	763	10.2	91	7.8	236	8.1	10.3	83	100	0	6.89
NOV													
15...	0920	28	757	9.8	91	7.7	139	13.4	11.7	39	48	0	4.85
DEC													
12...	0940	11	766	11.5	94	7.7	187	5.9	7.1	65	80	0	5.99
JAN													
10...	0940	15	772	11.3	95	7.8	181	6.6	8.3	62	75	0	6.08
FEB													
11...	1010	15	780	12.1	95	7.6	157	6.3	6.2	55	67	0	4.85
MAR													
11...	1010	32	756	11.4	97	7.3	72	--	7.9	24	29	0	2.67
APR													
10...	1050	15	773	11.1	98	7.8	137	13.5	10.7	52	63	0	3.88
MAY													
14...	1040	9.5	771	10.6	95	7.9	202	9.9	11.1	75	91	0	5.12
JUN													
12...	1010	4.7	766	10.6	105	8.1	237	21.0	15.0	88	106	0	7.24
JUL													
09...	0920	7.5	772	9.2	90	7.9	167	16.7	14.8	63	77	0	4.81
AUG													
06...	0930	3.5	769	9.4	94	8.0	248	14.7	15.7	92	111	0	6.86
SEP													
11...	1430	3.2	764	9.3	95	8.0	245	24.5	16.5	89	107	0	6.78

Date	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)
OCT													
10...	16.6	.07	.42	1.11	.008	1.5	.05	.126	--	--	--	--	--
NOV													
15...	13.1	<.04	.69	1.23	.010	1.9	E.01	.098	<.002	<.004	<.002	<.005	<.007
DEC													
12...	15.5	.04	.29	1.25	.010	1.5	.02	.053	--	--	--	--	--
JAN													
10...	14.9	E.03	.36	1.41	.009	1.8	.02	.053	<.006	<.006	<.004	<.005	<.007
FEB													
11...	11.8	E.04	.30	1.00	.011	1.3	.02	.049	--	--	--	--	--
MAR													
11...	4.6	.06	.64	.43	.011	1.1	E.02	.156	<.006	<.006	<.004	<.005	<.007
APR													
10...	9.8	E.04	.27	.69	<.008	.96	.05	.023	<.006	<.006	<.004	<.005	<.007
MAY													
14...	14.3	E.03	.52	.95	.009	1.5	E.02	.080	<.006	<.006	<.004	<.005	.008
JUN													
12...	17.0	<.04	.29	1.14	E.005	1.4	.03	.069	<.006	<.006	<.004	<.005	<.007
JUL													
09...	11.4	.06	.44	.82	.013	1.3	.03	.091	<.006	<.006	<.004	<.005	.008
AUG													
06...	17.3	E.03	.55	.95	.010	1.5	.03	.106	<.006	<.006	<.004	<.005	<.007
SEP													
11...	17.7	<.04	.26	1.03	E.007	1.3	.05	.083	<.006	<.006	<.004	<.005	<.007

LAKE WASHINGTON BASIN

12128000 THORNTON CREEK NEAR SEATTLE, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	BEN- FLUR- ALIN WAT FLTRD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOION WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLTRD 0.7 U GF, REC (UG/L) (82663)
	OCT 10...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 15...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.005	<.005	<.02	<.002	<.009
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 10...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	.008	<.005	<.02	<.002	<.009
FEB 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 11...	<.010	<.002	E.483	<.020	<.005	<.018	<.003	<.006	.029	<.005	<.02	<.002	<.009
APR 10...	<.010	<.002	E.054	<.020	<.005	<.018	<.003	<.006	.013	<.005	<.02	<.002	<.009
MAY 14...	<.010	<.002	E.064	<.020	<.005	<.018	<.003	<.006	.011	<.005	<.02	<.002	<.009
JUN 12...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009
JUL 09...	<.010	<.002	E.018	<.020	<.005	<.018	<.003	<.006	.007	<.005	<.02	<.002	<.009
AUG 06...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009
SEP 11...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009
Date	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOPOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)
OCT 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 15...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 10...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010
FEB 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 11...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010
APR 10...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	.014	<.003	<.010
MAY 14...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010
JUN 12...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010
JUL 09...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010
AUG 06...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010
SEP 11...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010

12128000 THORNTON CREEK NEAR SEATTLE, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	PEB- ULATE WATER FILTRD 0.7 U GF, REC (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (82664)	PRO- METON, WATER, DISS, REC (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (82676)	PROPA- CHLOR, WATER, DISS, REC (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (82685)	SI- MAZINE, WATER, DISS, REC (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (82675)
OCT 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 15...	<.002	<.010	<.006	<.011	.02	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 10...	<.004	<.022	<.006	<.011	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.034	<.02
FEB 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 11...	<.004	<.022	<.006	<.011	.02	<.004	<.010	<.011	<.02	.022	<.02	<.034	<.02
APR 10...	<.004	<.022	<.006	<.011	.03	<.004	<.010	<.011	<.02	.018	<.02	<.034	<.02
MAY 14...	<.004	<.022	<.006	<.011	.04	<.004	<.010	<.011	<.02	.012	<.02	<.034	<.02
JUN 12...	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
JUL 09...	<.004	<.022	<.006	<.011	.06	<.004	<.010	<.011	<.02	.017	<.02	<.034	<.02
AUG 06...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.034	<.02
SEP 11...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	E.004	<.02	<.034	<.02

Date	TER- BUTHYL- AZINE, WATER, DISS, REC (04022)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (82661)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT 10...	--	--	--	--	15	.21
NOV 15...	U	<.005	<.002	<.009	22	1.7
DEC 12...	--	--	--	--	13	.39
JAN 10...	U	<.005	<.002	<.009	9.0	.36
FEB 11...	--	--	--	--	10	.41
MAR 11...	U	<.005	<.002	.011	108	9.3
APR 10...	--	<.005	<.002	<.009	15	.61
MAY 14...	--	<.005	<.002	<.009	27	.69
JUN 12...	--	<.005	<.002	<.009	5.0	.06
JUL 09...	--	<.005	<.002	<.009	5.0	.10
AUG 06...	--	<.005	<.002	<.009	12	.11
SEP 11...	--	<.005	<.002	<.009	7.0	.06

Date	Time	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SILICA, DIS- SOLVED (MG/L) AS (00955)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERI- PHYTON BIOMASS ASH FREE DRY WEIGHT G/SQ M (49954)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON (UNITS) (70950)	CLOSTR- IDIUM PERFRIN MCP MF, WATER (COL/ 100 ML) (90915)
MAR 11...	1010	32	28	11.4	7.3	72	7.9	6.35	--	--	--	--	E400
AUG 27...	1100	4.1	--	--	--	--	16.3	--	380	391.3	14.200	791	--

LAKE WASHINGTON BASIN

12128000 THORNTON CREEK NEAR SEATTLE, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	COLI- PHAGE, E. COLI C13, 1-AGAR (PLAQUE 100 ML) (90903)	COLI- PHAGE, E. COLI F-AMP, 1-AGAR, (PLAQUE 100 ML) (90904)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2) (70957)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
MAR					
11...	94	5	E770	--	85
AUG					
27...	--	--	--	18.0	--