Publication No. 86-e10

WA-07-0010

ECOLOGICAL BASELINE AND MONITORING PROJECT

FINAL REPORT

PART 2: ROUTINE WATER QUALITY SAMPLING AND INTENSIVE SURVEYS DATA FROM PORT GARDNER, WASHINGTON

by

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May 1986

PREFACE

The Ecological Baseline and Monitoring (ECOBAM) project was conducted in the Everett/Port Gardner area from 1972 through 1981. Most of the earlier work was published in the ECOBAM Summary Report (November 1976). Draft reports of the later work were prepared several years ago, but never finalized. Recent interest in the Port Gardner area has prompted finalization of this historical information.

Completion of the reports was not possible in all cases. Some of the researchers originally involved were no longer available and questions concerning methods, station locations, etc. could not be answered. However, four reports were completed and together they constitute the final report for the ECOBAM project. The four parts of the final report are:

Part 1: Livebox Bioassay Studies in Port Gardner, Washington by D. Clark.

Part 2: Routine Water Quality Sampling and Intensive Surveys Data from Port Gardner, Washington by T. Determan, W. Kendra, and D. Clark.

Part 3: Distribution and Abundance of Benthic Macrofauna Adjacent to a Sulfite Pulp Mill Discharge Pipeline in Port Gardner, Washington, 1974 through 1976 by D. Kisker.

Part 4: The Effects of Pulp Mill Load Reductions on Water Quality in Port Gardner, Washington by T. Determan.

INTRODUCTION

The following data compendia contain records from two major ECOBAM programs. The first includes routine sampling done in Port Gardner/East Waterway from May 1974 through March 1981, together with data from nearby Ambient Monitoring Program sites maintained by the Washington State Department of Ecology (Ecology). The second includes data from several intensive surveys carried out near the end of ECOBAM.

Routine Water Quality Data Summary

This summary contains data from nine ECOBAM sites (ECB101 - 104 and ECB201 - 205) and five nearby Ecology Ambient Monitoring Program sites (PSS008, -009, -015, -019, -020) (see Figures 1 and 2). ECOBAM sites were sampled at about monthly intervals from May 1974 through March 1981. The Ecology ambient sites have varying periods of record.

At ECOBAM sites, temperature, salinity, and conductivity were measured with a Kahlsico induction salinometer. Transparency readings were taken at deepwater sites (ECB201 - 205 starting in April 1976 using a 20-cm diameter Secchi disk. Dissolved oxygen was determined with the Azide modification of the Winkler titration (APHA, 1975). Turbidity, pH, and spent sulfite liquor (SSL) samples were iced and shipped to the Ecology laboratory for analysis within 24 hours. SSL (shown as SWL on data summaries) was estimated using Barnes, et al. (1963).

Biological data were obtained by seining. Replicate samples were taken with a purse seine at the five deepwater sites, and a beach seine at four beach sites (ECB101 - 104).

The data were stored in the U.S. Environmental Protection Agency's STORET data management system. The record for each ECOBAM site (Tables 1 - 9) has three parts. Part a) is unanalyzed data arranged in parameter versus sampling date format. Part b) contains a statistical summary of data collected during a calendar year. Part c) similarly summarizes data stored by month. The record for each ambient site (Tables 10 - 14) contains yearly summaries only.

The statistical analyses were prepared on a Wang 2200 VP computer using a program developed by J. Hileman and R. Pederson of EPA Region X and modified by Robert James of Ecology.

Intensive Water Quality Survey Data Summary

Intensive surveys were conducted at Port Gardner in June and September 1980, and March 1981, and the data never analyzed.

Receiving water samples were collected at 16 stations (Figure 3). Concomitant point-source samples were collected for wastewater effluent from the Scott and Weyerhaeuser Paper Companies, Everett STP, and the tideland-fill area.

Receiving water quality was surveyed during both low and high tides (Table 15). Water samples were collected at surface, mid-water, and depth using a

winch-operated, 3-liter Van Dorn bottle. Temperature, salinity, and conductivity were measured with a Kahlsico salinometer. Dissolved oxygen was determined using an IBC dissolved oxygen meter and/or Winkler titrametric methods (APHA, 1980). Samples for remaining parameters were iced and shipped to the Ecology laboratory within 24 hours for analysis as per APHA (1980).

Receiving water transparency was measured at all stations using a 20 cm (diameter) oceanographic Secchi disk. Light attenuation with depth was determined with a Kahlsico underwater irradiameter (Table 16). Vertical extinction coefficients were estimated from submarine photometer readings using the following relationship:

$$K = [\ln I_0 (\Sigma Z) - [Z (\ln I_Z)]]/\Sigma Z^2,$$

where K = vertical extinction coefficient
ln = natural logarithm
I_0 = light intensity at depth 0
Z = depth
I_Z = light intensity at depth Z

Data from point sources were collected via both grab and 24-hour composite samples (Table 17). All samples were iced and shipped to the Ecology laboratory for analysis as described above. Paper company and STP flows were provided by plant operators. Runoff from the tideland-fill area was estimated with a bucket and stopwatch.

REFERENCES

American Public Health Association, 1975. Standard Methods for the Examination of Water and Wastewater. 14th Ed. Washington, D.C. 1193 pp.

American Public Health Association, 1980. Standard Methods for the Examination of Water and Wastewater. 15th Ed. Washington, D.C. 1134 pp.

Barnes, C.A., E.E. Collias, V.F. Felicetta, O. Goldschmid, B.F. Hrutfiord, A. Livingston, J.L. McCarthy, G.L. Toombs, M. Waldichuk, and R. Westley, 1963. A standardized Pearl-Benson, or nitroso, method recommended for estimation of spent sulfite liquor or sulfite waste liquor concentration in waters. Tappi 46(6): 347-351.

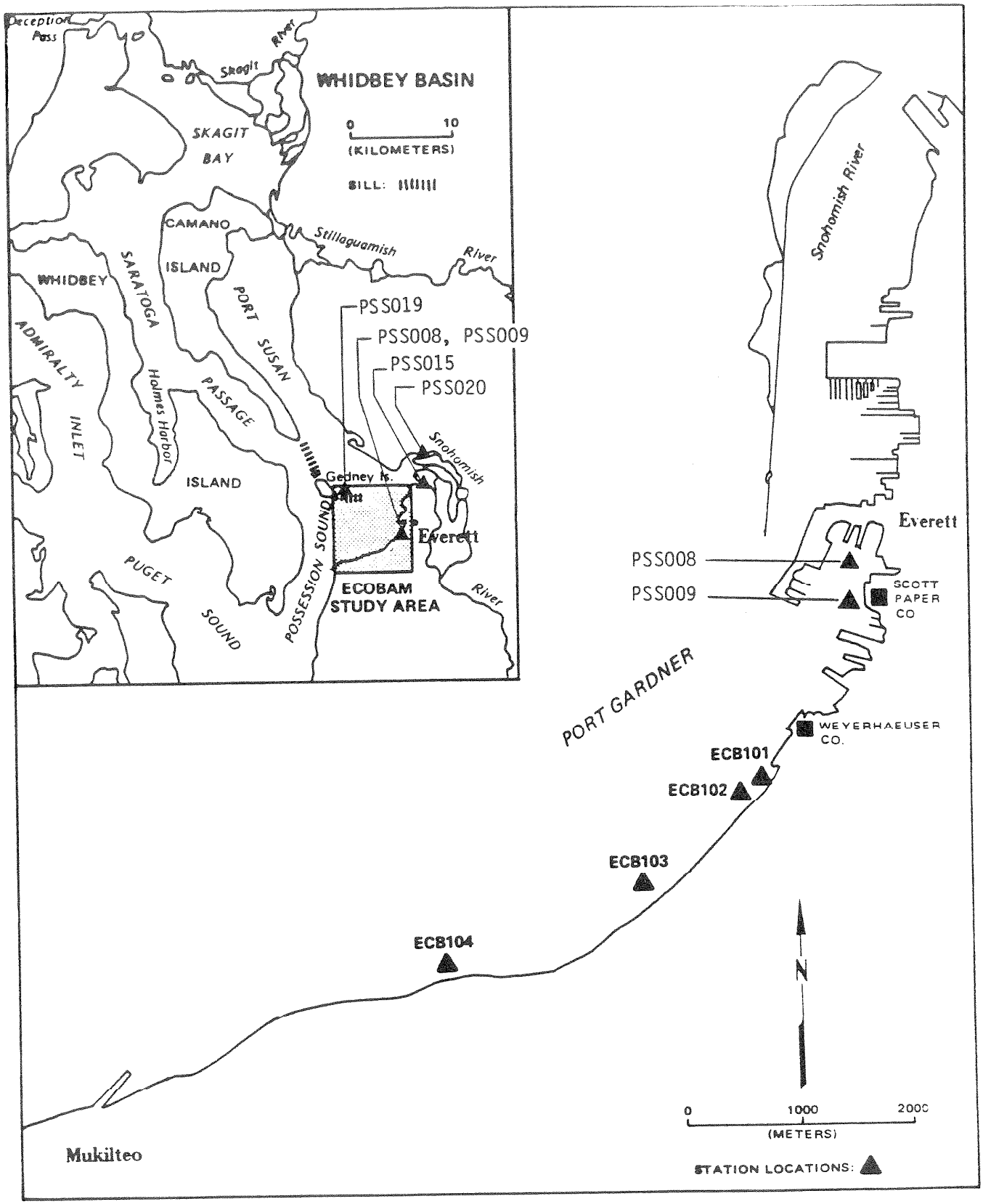

FIGURE 1. PORT GARDNER AND POSSESSION SOUND SHOWING THE LOCATIONS OF BEACH STATIONS USED DURING ECOBAM SAMPLING. Adapted from NOAA chart 18444.

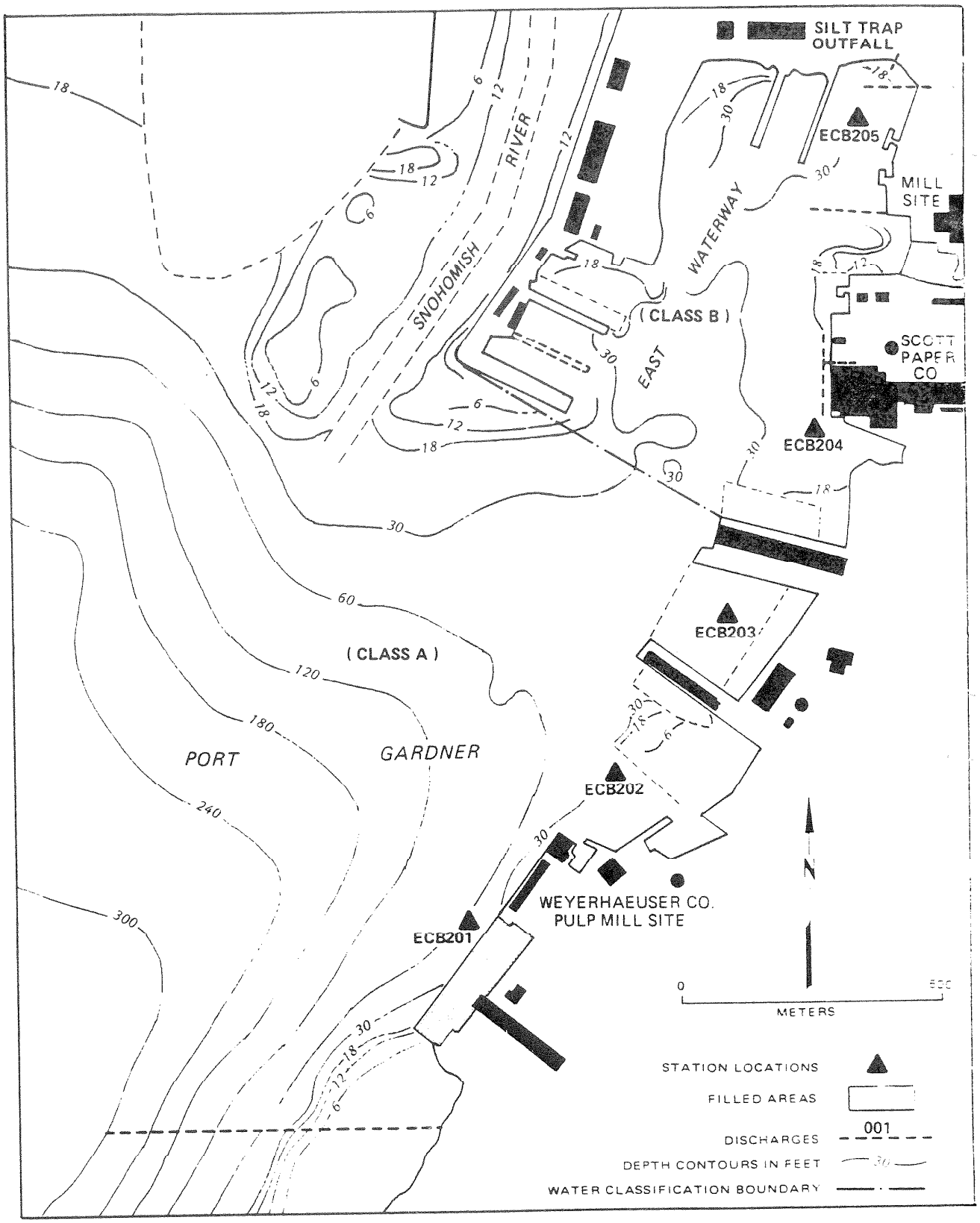

FIGURE 2. EVERETT EAST WATERWAY SHOWING THE LOCATIONS OF ECOBAM DEEP STATIONS AND PRESENT AND PAST DISCHARGES. Adapted from NOAA chart 18083.

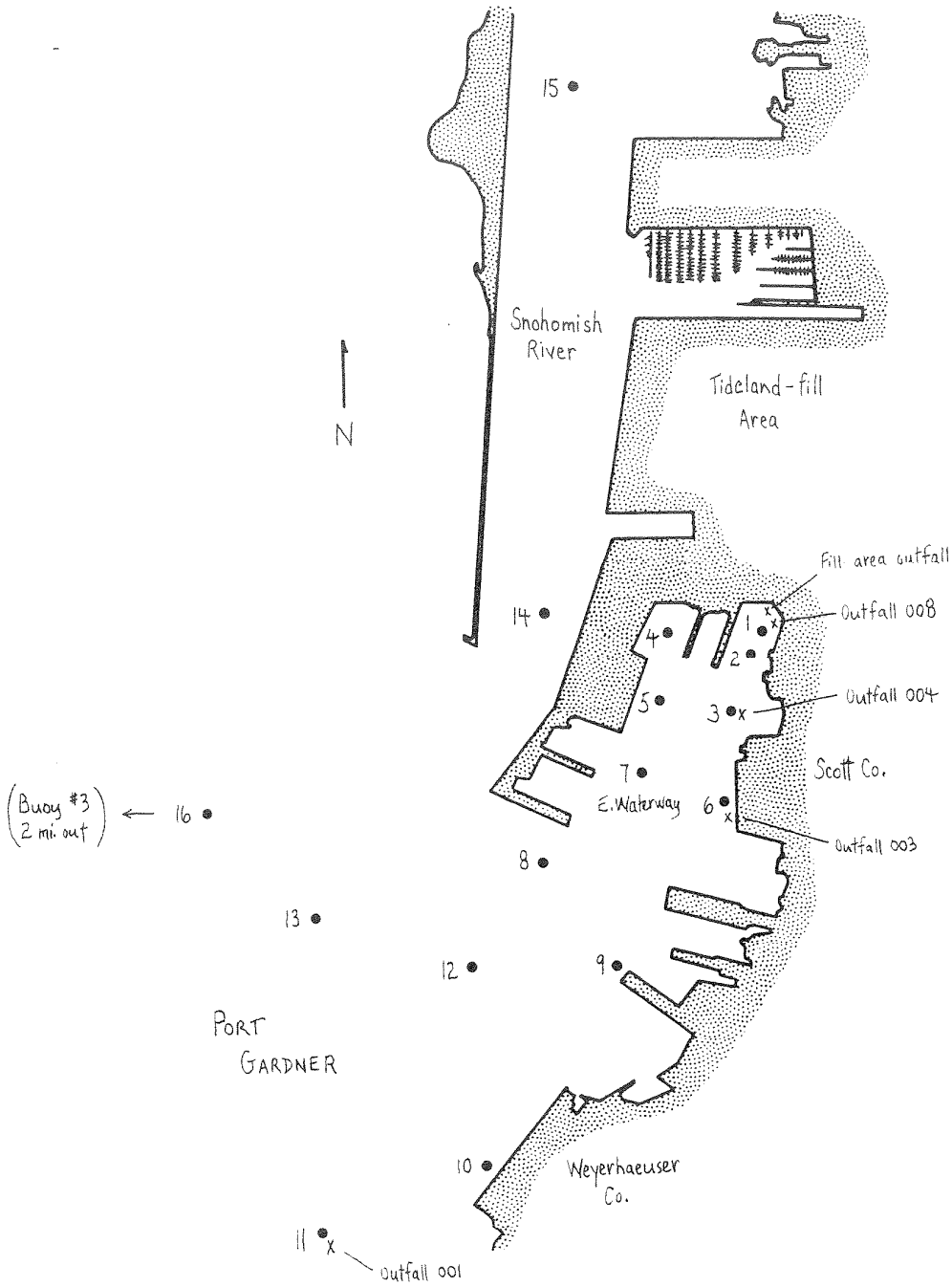

Figure 3. Map of ECOBAM intensive survey study area, showing location of receiving water sampling sites (●) and point source outfalls (x).

Table 1a.

ECB101 ECOBAM SO END WEYERHAEUSER T M

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/14	1240		9.9	10.4		5.0	100	11.0	97.7	1.436	576750	32612	609360
74/06/13	1400		19.0	9.7	7.3	5.0	20	6.0	107.1	2.424	630160	37651	667820
74/07/15	1450		16.3	8.9	7.5	2.0	35	18.0	99.8	1.928	552340	51662	604000
74/08/13	0830		15.5		7.4	3.0	0	12.0		2.391	520930	34069	555000
74/09/18	1310		17.6	5.8	7.2	5.0	82	28.2	71.0	0.658	656580	37866	694450
74/10/16	1550		12.0	4.3	7.4	2.0	38	28.0	47.1	0.414	889280	39980	929260
74/11/14	1125		10.5	6.6	7.3	5.0	35	22.0	67.4	1.863	533400	37615	571010
74/12/18	1415		8.1	7.8		3.0	73	25.7	77.5	1.749	524490	38149	562640
75/01/15	1245		5.6	10.7	7.4	25.0	40	16.6	94.3	1.784	583710	40396	624100
75/02/19	1330		15.1	10.2	7.4	19.0	43	19.9	113.0	0.490	497630	31126	528760
75/03/19	1315		9.9	9.1	7.1	5.0	32	19.9	90.5	1.758	537120	30281	567400
75/04/22	1015		8.8	9.1	7.3	7.0	54	29.0	93.5	2.504	444710	28176	472890
75/05/13	1525		14.1	9.7	7.6	17.0	18	10.2	99.3	1.268	258730	25880	284610
75/06/12	1600		19.0	9.0	8.4	5.0	59	9.2	101.1	2.194	158040	31847	189890
75/07/23	1015		18.4	13.0	7.8	5.0	23	22.2	155.8	0.803	81462	24682	106140
75/08/13	1420		20.1	11.0	7.6	3.0	15	24.7	138.2	0.752	300060	30855	330920
75/09/18	0955		14.0	10.4	8.0	3.0	9	26.0	117.1	1.223	258260	30351	288610
75/10/17	0850		12.0	7.1	7.8	16.0	28	27.0	77.3	1.572	330620	31824	362450
75/11/20	2145		6.6	9.0	7.8	3.0		16.4	81.1	1.355	52343	23060	75403
75/12/17	2100		7.0	10.8	7.3	10.0	9	9.6	94.1	1.357	309060	34008	343070
76/01/22	1355		6.5	10.1	7.6	4.0	0	19.8	92.9	2.158	257980	37931	295910
76/02/18	1245		6.7	6.6	7.4	4.0	14	20.8	60.6	1.359	350680	36370	387050
76/03/17	1350		7.7	10.3	7.7	3.0	9	26.4	101.9	1.923	290100	24330	314430
76/04/15	1030		7.2	12.5	7.3	47.0	18	19.1	116.3	2.236	299130	43345	342470
76/05/20	1535		13.5	11.8	8.2	5.0	9	12.0	120.6	2.891	232080	38852	270940
76/06/08	0935		11.5	9.3	7.0	5.0	9	13.3	91.8	1.753	307740	34301	342040
76/07/21	0820		14.6	10.0	7.6	5.0	5	23.3	112.0	1.410	247320	44970	292290
76/08/25	0915		13.2	7.8	7.8	4.0	14	21.5	84.0	1.828	329740	37782	367520
76/09/17	0715		14.1	10.0	7.9	3.0	8	23.4	111.0	1.956	271720	38857	310580
76/10/22	0815		9.8	5.3	7.4	4.0	32	28.0	55.5	1.450	347530	34650	382180
76/11/23	2300		8.4	6.4	7.0	1.0	18	20.6	61.8	1.866	278930	36926	315860
76/12/15	1845		7.9	7.0	6.6	6.0	14	27.6	70.1	1.567	231890	38167	270050
77/01/13	1620		7.1	6.5	7.4	1.0	18	28.6	64.4	1.826	202780	40523	243310
77/02/25	1400		9.5	8.0	7.0	2.0	32	24.4	81.2	0.736	148870	35414	184280
77/03/23	1445		7.5	8.9	7.6	5.0	14	28.0	88.6	1.937	273810	39883	313690
77/04/28	1030		12.5	9.0	7.6	4.0	28		99.0	0.779	256750	37174	293920
77/05/18	1415		13.4	12.4	8.0	1.0	9	20.3	133.1	0.019	262530	42365	304890
77/06/14	0950		16.3	9.1	8.2	54.0	14	18.2	102.2	0.214	307880	44010	351890
77/07/20	1250		19.5	8.8	7.8	4.0	18	25.2	109.7	1.741	302040	44978	347020
77/08/17	1315		21.1	10.3	7.1	1.0	9	25.9	132.9	1.938	323610	55518	379130
77/09/14	1320		15.3	8.0	7.7	2.0	41	25.4	92.1	1.224	245870	42412	288280
77/10/13	1045		11.5	6.5	7.6	4.0	36	24.9	69.1	1.226	219620	24391	244010
77/11/09	0810		10.7	6.2	7.7	3.0	0	30.4	67.3	0.927	242350	48725	291070
77/12/20	1955		4.9	10.5	7.2	8.0	0	11.4	87.9	1.761	226900	42364	269260
78/01/30	1500		6.0	10.9	7.4	1.0	9	19.3	98.7	2.242	209700	36870	246570
78/02/15	1605		7.1	9.5	7.2	4.0	5	23.9	91.1	1.934	224410	42553	266960
78/03/30	1705		9.0	10.3	7.7	3.0	9	12.0	95.4	1.950	194140	38787	232920
78/04/12	1300		11.5	9.9	7.8	3.0	14	20.7	102.4	1.894	238680	42422	281100
78/05/19	0910		12.8	11.0	8.2	3.0	9	16.6	113.9	1.646	216760	42912	259670
78/06/26	1515		18.3	9.9	7.9	3.0	0	16.0	114.1	1.573	253790	35962	289750
78/07/10	1530		15.4	8.9	8.0	1.0	9	19.5	98.9	2.557	217250	17512	234760
78/08/22	1400		14.4	8.5	7.5	10.0K	36	17.8	91.7	1.359	124100	35009	159110
78/09/18	1145		15.0	9.0	7.9	2.0		11.2	94.5	1.395	5600	0	5600
78/10/13	0835		12.1	8.0	7.8	3.0	9	20.5	83.7	1.803	0	0	0
78/12/18	2250		7.2	7.8	7.8	2.0	0	30.1	78.3	1.395	0	0	0
79/01/31	1250		5.1	10.4	7.4	27.0	5	27.5	97.7	1.187	0	0	0
79/02/27	1000		6.4	9.7	7.8	7.0	9	26.6	93.3	1.877	156750	49829	206580
79/03/27	0830		7.6		7.4		54	19.4		1.790	170820	39925	210740
79/04/10	0900		9.2	11.2	8.0	1.0	14	23.0		1.827	243440	40224	283670
79/05/29	1630		19.4	11.2	8.1	13.0	9	14.8	133.0	2.013	133290	40529	173820
79/06/19	1015		12.4	9.5	8.0	2.0	5	22.7	103.0	1.106	95859	33531	129390
79/07/18	0750		17.0		7.7	2.0	14	21.3		2.000	157750	32673	190420
79/08/27	1600		16.4	8.0	7.8	2.0	9	26.4	94.7	0.941	169540	34268	203810
79/09/19	0915		14.8	8.8	8.2	3.0	5	26.3	100.9	1.750	173840	40150	213990
79/10/17	1105		12.5	5.5	7.4	3.0	54	27.9	60.9	1.435	132340	40735	173080
79/11/16	0830		8.6	3.6	7.2	5.0	99	28.2	36.8	0.787	158890	41322	200220
79/12/12	1825		7.3	9.1	7.5	3.0	5	23.1	87.2	1.883	196450	26152	222610
80/01/24	1825		6.0	9.4	7.9	5.0	5K	21.7	86.6	0.936	4643	10525	15168
80/02/21	1700		7.3	9.4	7.5	5.0	0	23.1	90.1	2.400	5027	16510	21537
80/03/17	1325		7.5	8.8	7.5	2.0	9	27.5	87.3	1.540	3289	9653	12942
80/04/21	1700		9.9	11.2	7.8	5.0	0	12.8	106.4	2.483	2950	6864	9814
80/05/21	1010		10.3	10.1	8.1	7.0	5	25.0	104.8		3090	4983	8073
80/06/23	1315		12.2	10.5	8.3	3.0	0	19.5	109.4	1.028	3325	7119	10444
80/07/22	1130		17.1	10.3		1.0	0	22.5	120.6	1.874	3889	6199	10088
80/08/29	1320		15.1	7.9		2.0	5	25.1	90.4	1.568	4340	7126	11466
80/10/07	1030		12.2	9.5	7.9	1.0	9	27.2	104.0	1.552	2767	11048	13815
80/11/19	2020		8.4	8.9	7.6	2.0	9	23.3	87.6	2.181	4398	7128	11526
80/12/15	1850		5.4	9.3	7.6	4.0	0	17.7	82.2	2.180	2491	4533	7024
81/02/10	1545		7.4	8.7				27.0	85.9	0.871	6306	8418	14724
81/03/13	1645		9.3	10.0	7.5		14	19.9	98.1	2.466	12573	7265	19838

Table 1b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14	1240		9.9	10.4	97.7		5.0	100	11.0
74/06/13	1400		19.0	9.7	107.1	7.3	5.0	20	6.0
74/07/15	1450		16.3	8.9	99.8	7.5	2.0	35	18.0
74/08/13	0830		15.5			7.4	3.0	0	12.0
74/09/18	1310		17.6	5.8	71.0	7.2	5.0	82	28.2
74/10/16	1550		12.0	4.3	47.1	7.4	2.0	38	28.0
74/11/14	1125		10.5	6.6	67.4	7.3	5.0	35	22.0
74/12/18	1415		8.1	7.8	77.5		3.0	73	25.7
NUMBER OF SAMPLES			8	7	7	6	8	8	8
MAXIMUM VALUE			19.00	10.40	107.10	7.50	5.00	100.00	28.20
MINIMUM VALUE			8.10	4.30	47.10	7.20	2.00	0.00	6.00
ARITHMETIC MEAN			13.61	7.64	81.09	7.35	3.75	47.88	18.86
GEOMETRIC MEAN			13.07	7.34	78.42	7.35	3.50	15.15	16.81
LOG/GEOMETRIC MEAN			2.57	1.99	4.36	1.99	1.25	2.72	2.82
MEDIAN			13.75	7.80	77.50	7.35	4.00	36.50	20.00
STANDARD DEV OF LOGS			0.31	0.31	0.29	0.01	0.41	3.28	0.55
STANDARD DEVIATION			4.00	2.20	21.45	0.10	1.39	33.83	8.47
VARIANCE			16.02	4.85	459.98	0.01	1.93	1144.41	71.77
COEFF OF VARIATION			29.41	28.81	26.45	1.43	37.03	70.66	44.91
SUM OF VALUES			108.90	53.50	567.60	44.10	30.00	383.00	150.90
MEAN +2 STD DEV			21.62	12.05	123.98	7.56	6.53	115.53	35.81
MEAN -2 STD DEV			5.61	3.24	38.19	7.14	0.97	-19.78	1.92
GEO MEAN +2 STD DEV			24.25	13.77	139.41	7.56	7.96	10794.22	50.78
GEO MEAN -2 STD DEV			7.05	3.92	44.12	7.14	1.54	0.02	5.56
SUM OF SQUARES			1594.57	437.99	48784.16	324.19	126.00	26347.00	3348.73

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15	1245		5.6	10.7	94.3	7.4	25.0	40	16.6
75/02/19	1330		15.1	10.2	113.0	7.4	19.0	43	19.9
75/03/19	1315		9.9	9.1	90.5	7.1	5.0	32	19.9
75/04/22	1015		8.8	9.1	93.5	7.3	7.0	54	29.0
75/05/13	1525		14.1	9.7	99.3	7.6	17.0	18	10.2
75/06/12	1600		19.0	9.0	101.1	8.4	5.0	59	9.2
75/07/23	1015		18.4	13.0	155.8	7.8	5.0	23	22.2
75/08/13	1420		20.1	11.0	138.2	7.6	3.0	15	24.7
75/09/18	0955		14.0	10.4	117.1	8.0	3.0	9	26.0
75/10/17	0850		12.0	7.1	77.3	7.8	16.0	28	27.0
75/11/20	2145		6.6	9.0	81.1	7.8	3.0		16.4
75/12/17	2100		7.0	10.8	94.1	7.3	10.0	9	9.6
NUMBER OF SAMPLES			12	12	12	12	12	11	12
MAXIMUM VALUE			20.10	13.00	155.80	8.40	25.00	59.00	29.00
MINIMUM VALUE			5.60	7.10	77.30	7.10	3.00	9.00	9.20
ARITHMETIC MEAN			12.55	9.93	104.61	7.63	9.83	30.00	19.23
GEOMETRIC MEAN			11.55	9.83	102.51	7.62	7.48	25.08	17.90
LOG/GEOMETRIC MEAN			2.45	2.29	4.63	2.03	2.01	3.22	2.88
MEDIAN			13.00	9.95	96.80	7.60	6.00	28.00	19.90
STANDARD DEV OF LOGS			0.44	0.15	0.21	0.05	0.78	0.66	0.41
STANDARD DEVIATION			5.04	1.46	23.07	0.36	7.52	17.30	6.95
VARIANCE			25.43	2.13	532.13	0.13	56.52	299.40	48.28
COEFF OF VARIATION			40.18	14.69	22.05	4.72	76.45	57.68	36.14
SUM OF VALUES			150.60	119.10	1255.30	91.50	118.00	330.00	230.70
MEAN +2 STD DEV			22.64	12.84	150.74	8.34	24.87	64.61	33.12
MEAN -2 STD DEV			2.46	7.01	58.47	6.91	-5.20	-4.61	5.33
GEO MEAN +2 STD DEV			27.73	13.24	154.78	8.34	35.43	94.26	40.88
GEO MEAN -2 STD DEV			4.81	7.29	67.93	6.94	1.58	6.67	7.84
SUM OF SQUARES			2169.76	1205.45	137168.29	699.11	1782.00	12894.00	4966.31

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
76/01/22	1355		6.5	10.1	92.9	7.6	4.0	0	19.8
76/02/18	1245		6.7	6.6	60.6	7.4	4.0	14	20.8
76/03/17	1350		7.7	10.3	101.9	7.7	3.0	9	26.4
76/04/15	1030		7.2	12.5	116.3	7.3	47.0	18	19.1
76/05/20	1535		13.5	11.8	120.6	8.2	5.0	9	12.0
76/06/08	0935		11.5	9.3	91.8	7.0	5.0	9	13.3
76/07/21	0820		14.6	10.0	112.0	7.6	5.0	5	23.3
76/08/25	0915		13.2	7.8	84.0	7.8	4.0	14	21.5
76/09/17	0715		14.1	10.0	111.0	7.9	3.0	8	23.4
76/10/22	0815		9.8	5.3	55.5	7.4	4.0	32	28.0
76/11/23	2300		8.4	6.4	61.8	7.0	1.0	18	20.6
76/12/15	1845		7.9	7.0	70.1	6.6	6.0	14	27.6
NUMBER OF SAMPLES			12	12	12	12	12	12	12
MAXIMUM VALUE			14.60	12.50	120.60	8.20	47.00	32.00	28.00
MINIMUM VALUE			6.50	5.30	55.50	6.60	1.00	0.00	12.00
ARITHMETIC MEAN			10.09	8.93	89.88	7.46	7.58	12.50	21.32
GEOMETRIC MEAN			9.66	8.65	86.90	7.45	4.56	6.33	20.70
LOG/GEOMETRIC MEAN			2.27	2.16	4.46	2.01	1.52	1.85	3.03
MEDIAN			9.10	9.65	92.35	7.50	4.00	11.50	21.15
STANDARD DEV OF LOGS			0.31	0.27	0.28	0.04	0.87	2.30	0.26
STANDARD DEVIATION			3.10	2.27	23.33	0.44	12.48	8.07	5.02
VARIANCE			9.63	5.15	544.36	0.20	155.72	65.18	25.21
COEFF OF VARIATION			30.74	25.43	25.96	5.93	164.56	64.59	23.56
SUM OF VALUES			121.10	107.10	1078.50	89.50	91.00	150.00	255.80
MEAN +2 STD DEV			16.30	13.46	136.54	8.34	32.54	28.65	31.36
MEAN -2 STD DEV			3.89	4.39	43.21	6.57	-17.37	-3.65	11.27
GEO MEAN +2 STD DEV			17.88	14.79	151.22	8.40	25.82	631.05	35.08
GEO MEAN -2 STD DEV			5.22	5.05	49.94	6.60	0.81	0.06	12.21
SUM OF SQUARES			1327.99	1012.53	102918.17	669.67	2403.00	2592.00	5730.16

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
77/01/13	1620		7.1	6.5	64.4	7.4	1.0	18	28.6
77/02/25	1400		9.5	8.0	81.2	7.0	2.0	32	24.4
77/03/23	1445		7.5	8.9	88.6	7.6	5.0	14	28.0
77/04/28	1030		12.5	9.0	99.0	7.6	4.0	28	
77/05/18	1415		13.4	12.4	133.1	8.0	1.0	9	20.3
77/06/14	0950		16.3	9.1	102.2	8.2	54.0	14	18.2
77/07/20	1250		19.5	8.8	109.7	7.8	4.0	18	25.2
77/08/17	1315		21.1	10.3	132.9	7.1	1.0	9	25.9
77/09/14	1320		15.3	8.0	92.1	7.7	2.0	41	25.4
77/10/13	1045		11.5	6.5	69.1	7.6	4.0	36	24.9
77/11/09	0810		10.7	6.2	67.3	7.7	3.0	9	30.4
77/12/20	1955		4.9	10.5	87.9	7.2	8.0	0	11.4
NUMBER OF SAMPLES			12	12	12	12	12	12	11
MAXIMUM VALUE			21.10	12.40	133.10	8.20	54.00	41.00	30.40
MINIMUM VALUE			4.90	6.20	64.40	7.00	1.00	0.00	11.40
ARITHMETIC MEAN			12.44	8.68	93.96	7.58	7.42	18.25	23.88
GEOMETRIC MEAN			11.48	8.51	91.46	7.57	3.30	4.85	23.17
LOG/GEOMETRIC MEAN			2.44	2.14	4.52	2.02	1.19	1.58	3.14
MEDIAN			12.00	8.85	90.35	7.60	3.50	16.00	25.20
STANDARD DEV OF LOGS			0.43	0.21	0.24	0.05	1.11	3.25	0.28
STANDARD DEVIATION			4.97	1.82	23.01	0.35	14.81	13.45	5.40
VARIANCE			24.65	3.34	529.42	0.13	219.36	180.93	29.20
COEFF OF VARIATION			39.91	21.03	24.49	4.68	199.69	73.70	22.63
SUM OF VALUES			149.30	104.20	1127.50	90.90	89.00	219.00	262.70
MEAN +2 STD DEV			22.37	12.34	139.98	8.28	37.04	45.15	34.69
MEAN -2 STD DEV			2.51	5.03	47.94	6.87	-22.20	-8.65	13.07
GEO MEAN +2 STD DEV			27.31	12.96	148.42	8.31	30.65	3236.93	40.34
GEO MEAN -2 STD DEV			4.83	5.59	56.36	6.89	0.35	0.01	13.31
SUM OF SQUARES			2128.71	941.50	111761.63	689.95	3073.00	5987.00	6565.79

Table 1b, continued.

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
78/01/30	1500		6.0	10.9	98.7	7.4	1.0	9	19.3
78/02/15	1605		7.1	9.5	91.1	7.2	4.0	5	23.9
78/03/30	1705		9.0	10.3	95.4	7.7	3.0	9	12.0
78/04/12	1300		11.5	9.9	102.4	7.8	3.0	14	20.7
78/05/19	0910		12.8	11.0	113.9	8.2	3.0	9	14.4
78/06/26	1515		18.3	9.9	114.1	7.9	3.0	0	16.0
78/07/10	1530		15.4	8.9	98.9	8.0	1.0	9	19.5
78/08/22	1400		14.4	8.5	91.7	7.5	10.0X	36	17.8
78/09/18	1145		15.0	9.0	94.5	7.9	2.0		11.2
78/10/13	0835		12.1	8.0	83.7	7.8	3.0	9	20.5
78/12/18	2250		7.2	7.8	78.3	7.8	2.0	0	30.1
NUMBER OF SAMPLES			11	11	11	11	11	10	11
MAXIMUM VALUE			18.30	11.00	114.10	8.20	10.00	36.00	30.10
MINIMUM VALUE			6.00	7.80	78.30	7.20	1.00	0.00	11.20
ARITHMETIC MEAN			11.71	9.43	96.61	7.75	3.18	10.00	18.87
GEOMETRIC MEAN			11.05	9.38	96.04	7.74	2.61	2.27	18.21
LOG/GEOMETRIC MEAN			2.40	2.24	4.56	2.05	0.96	0.82	2.90
MEDIAN			12.10	9.50	95.40	7.80	3.00	9.00	19.30
STANDARD DEV OF LOGS			0.37	0.12	0.11	0.04	0.64	3.27	0.28
STANDARD DEVIATION			3.98	1.08	11.00	0.28	2.44	10.12	5.28
VARIANCE			15.80	1.18	121.03	0.08	5.96	102.44	27.86
COEFF OF VARIATION			33.95	11.49	11.39	3.67	76.75	101.21	27.97
SUM OF VALUES			128.80	103.76	1062.70	85.20	35.00	100.00	207.60
MEAN +2 STD DEV			19.66	11.60	118.61	8.31	8.07	30.24	29.43
MEAN -2 STD DEV			3.76	7.26	74.61	7.18	-1.70	-10.24	8.32
GEO MEAN +2 STD DEV			23.06	11.63	120.68	8.34	9.36	1560.38	32.07
GEO MEAN -2 STD DEV			5.29	7.43	76.43	7.19	0.73	0.00	10.34
SUM OF SQUARES			1666.16	990.49	103876.77	640.72	171.00	1922.00	4196.54

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
79/01/31	1250		5.1	10.4	97.7	7.4	27.0	5	27.5
79/02/27	1000		6.4	9.7	93.3	7.8	7.0	9	26.6
79/03/27	0830		7.6			7.4		54	19.4
79/04/10	0900		9.2	11.2		8.0	1.0	14	23.0
79/05/29	1630		19.4	11.2	133.0	8.1	13.0	9	14.8
79/06/19	1015		12.4	9.5	103.0	8.0	2.0	5	22.7
79/07/18	0750		17.0			7.7	2.0	14	21.3
79/08/27	1600		16.4	8.0	94.7	7.8	2.0	9	26.4
79/09/19	0915		14.8	8.8	100.9	8.2	3.0	5	26.3
79/10/17	1105		12.5	5.5	60.9	7.4	3.0	54	27.9
79/11/16	0830		8.6	3.6	36.8	7.2	5.0	99	28.2
79/12/12	1825		7.3	9.1	87.2	7.5	3.0	5	23.1
NUMBER OF SAMPLES			12	10	9	12	11	12	12
MAXIMUM VALUE			19.40	11.20	133.00	8.20	27.00	99.00	28.20
MINIMUM VALUE			5.10	3.65	36.80	7.20	1.00	5.00	14.80
ARITHMETIC MEAN			11.39	8.72	89.72	7.71	6.18	23.50	23.93
GEOMETRIC MEAN			10.49	8.31	85.06	7.70	3.84	13.11	23.58
LOG/GEOMETRIC MEAN			2.35	2.12	4.44	2.04	1.34	2.57	3.16
MEDIAN			10.80	9.30	94.70	7.75	3.00	9.00	24.70
STANDARD DEV OF LOGS			0.43	0.35	0.37	0.04	0.95	1.06	0.19
STANDARD DEVIATION			4.70	2.43	27.19	0.33	7.69	29.76	4.04
VARIANCE			22.07	5.90	739.16	0.11	59.16	885.55	16.31
COEFF OF VARIATION			41.24	27.87	30.30	4.23	124.43	126.63	16.88
SUM OF VALUES			136.70	87.20	807.50	92.50	68.00	282.00	287.20
MEAN +2 STD DEV			20.79	13.58	144.10	8.36	21.57	83.02	32.01
MEAN -2 STD DEV			2.00	3.86	35.35	7.06	-9.20	-36.02	15.86
GEO MEAN +2 STD DEV			24.85	16.87	179.73	8.38	25.56	108.15	34.37
GEO MEAN -2 STD DEV			4.43	4.10	40.26	7.08	0.58	1.59	16.17
SUM OF SQUARES			1799.99	813.53	78363.97	714.19	1012.00	16368.00	7053.10

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
80/01/24	1825		6.0	9.4	86.6	7.9	5.0	5X	21.7
80/02/21	1700		7.3	9.4	90.1	7.5	5.0	0	23.1
80/03/17	1325		7.5	8.8	87.3	7.5	2.0	9	27.5
80/04/21	1700		9.9	11.2	104.4	7.8	5.0	0	17.8
80/05/21	1010		10.3	10.1	104.8	8.1	7.0	5	25.0
80/06/23	1315		12.2	10.5	109.4	8.3	3.0	0	19.5
80/07/22	1130		17.1	10.3	120.6		1.0	0	22.5
80/08/29	1320		15.1	7.9	90.4		2.0	5	25.1
80/10/07	1030		12.2	9.5	104.0	7.9	1.0	9	27.2
80/11/19	2020		8.4	8.9	87.6	7.6	2.0	9	23.3
80/12/15	1850		5.4	9.3	82.2	7.6	4.0	0	17.7
NUMBER OF SAMPLES			11	11	11	9	11	11	11
MAXIMUM VALUE			17.10	11.20	120.60	8.30	7.00	9.00	27.50
MINIMUM VALUE			5.40	7.90	82.20	7.50	1.00	0.00	12.80
ARITHMETIC MEAN			10.13	9.57	97.22	7.80	3.36	3.82	22.31
GEOMETRIC MEAN			9.52	9.53	96.53	7.80	2.80	0.25	21.86
LOG/GEOMETRIC MEAN			2.25	2.25	4.57	2.05	1.03	-1.37	3.08
MEDIAN			9.90	9.40	90.40	7.80	3.00	5.00	23.10
STANDARD DEV OF LOGS			0.37	0.10	0.12	0.04	0.67	3.77	0.22
STANDARD DEVIATION			3.73	0.91	12.29	0.28	1.96	3.97	4.33
VARIANCE			13.93	0.83	150.92	0.08	3.85	15.76	18.75
COEFF OF VARIATION			36.85	9.52	12.64	3.57	58.37	103.99	19.41
SUM OF VALUES			111.40	105.30	1069.40	70.20	37.00	42.00	245.40
MEAN +2 STD DEV			17.59	11.40	121.79	8.36	7.29	11.76	30.97
MEAN -2 STD DEV			2.66	7.75	72.65	7.24	-0.56	-4.12	13.65
GEO MEAN +2 STD DEV			19.93	11.55	123.65	8.37	10.63	476.60	34.03
GEO MEAN -2 STD DEV			4.55	7.87	75.37	7.26	0.74	0.00	14.04
SUM OF SQUARES			1267.46	1016.31	105474.34	548.18	163.00	318.00	5662.12

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
81/02/10	1545		7.4	8.7	85.9				27.0
81/03/13	1645		9.3	10.0	98.1	7.5		14	19.9
NUMBER OF SAMPLES			2	2	2	1	0	1	2
MAXIMUM VALUE			9.30	10.00	98.10	7.50		14.00	27.00
MINIMUM VALUE			7.40	8.70	85.90	7.50		14.00	19.90
ARITHMETIC MEAN			8.35	9.35	92.00				23.45
GEOMETRIC MEAN			8.30	9.33	91.80				23.18
LOG/GEOMETRIC MEAN			2.12	2.23	4.52				3.14
MEDIAN			8.35	9.35	92.00				23.45
STANDARD DEV OF LOGS			0.16	0.10	0.09				0.22
STANDARD DEVIATION			1.34	0.92	8.63				5.02
VARIANCE			1.80	0.85	74.42				25.21
COEFF OF VARIATION			16.09	9.83	9.38				21.41
SUM OF VALUES			16.70	18.70	184.00				46.90
MEAN +2 STD DEV			11.04	11.19	109.25				33.49
MEAN -2 STD DEV			5.66	7.51	74.75				13.41
GEO MEAN +2 STD DEV			11.46	11.36	110.76				35.69
GEO MEAN -2 STD DEV			6.08	7.66	76.08				15.06
SUM OF SQUARES			141.25	175.69	17002.42				1125.01

Table 1c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15	1245		5.6	10.7	94.3	7.4	25.0	40	16.6
76/01/22	1355		6.5	10.1	92.9	7.6	4.0	0	19.8
77/01/13	1420		7.1	6.5	64.4	7.4	1.0	18	28.6
78/01/30	1500		6.0	10.9	98.7	7.4	1.0	9	19.3
79/01/31	1250		5.1	10.4	97.7	7.4	27.0	5	27.5
80/01/24	1825		6.0	9.4	86.6	7.9	5.0	5K	21.7
NUMBER OF SAMPLES			6	6	6	6	6	6	6
MAXIMUM VALUE			7.10	10.90	98.70	7.90	27.00	40.00	28.60
MINIMUM VALUE			5.10	6.50	64.40	7.40	1.00	0.00	16.60
ARITHMETIC MEAN			6.05	9.67	89.10	7.52	10.30	12.83	22.23
GEOMETRIC MEAN			6.02	9.53	88.21	7.51	4.88	3.05	21.83
LOG/GEOMETRIC MEAN			1.79	2.25	4.48	2.02	1.59	1.12	3.08
MEDIAN			6.00	10.25	93.60	7.40	4.50	7.00	20.75
STANDARD DEV OF LOGS			0.11	0.19	0.16	0.03	1.46	3.24	0.21
STANDARD DEVIATION			0.69	1.64	12.84	0.20	12.13	14.61	4.79
VARIANCE			0.48	2.68	164.79	0.04	147.10	213.37	22.96
COEFF OF VARIATION			11.49	16.94	14.41	2.72	115.51	113.82	21.54
SUM OF VALUES			36.30	58.00	534.60	45.10	63.00	77.00	133.50
MEAN +2 STD DEV			7.44	12.94	114.77	7.92	34.76	42.05	31.83
MEAN -2 STD DEV			4.66	6.39	63.43	7.11	-13.76	-16.38	12.67
GEO MEAN +2 STD DEV			7.57	14.06	121.71	7.93	90.51	2002.86	33.40
GEO MEAN -2 STD DEV			4.78	6.46	63.93	7.12	0.26	0.00	14.27
SUM OF SQUARES			222.03	574.08	48456.80	339.21	1397.00	2055.00	3085.19

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/02/19	1330		15.1	10.2	113.0	7.4	19.0	43	19.9
76/02/18	1245		6.7	6.6	60.6	7.4	4.0	14	20.8
77/02/25	1400		9.5	8.0	81.2	7.0	2.0	32	24.4
78/02/15	1605		7.1	9.5	91.1	7.2	4.0	5	23.9
79/02/27	1000		6.4	9.7	93.3	7.8	7.0	9	26.6
80/02/21	1700		7.3	9.4	90.1	7.5	5.0	0	23.1
81/02/10	1545		7.4	8.7	85.9				27.0
NUMBER OF SAMPLES			7	7	7	6	6	6	7
MAXIMUM VALUE			15.10	10.20	113.00	7.80	19.00	43.00	27.00
MINIMUM VALUE			6.40	6.60	60.60	7.00	2.00	0.00	19.90
ARITHMETIC MEAN			8.50	8.87	87.89	7.38	6.83	17.17	23.67
GEOMETRIC MEAN			8.14	8.79	86.62	7.38	5.26	4.04	23.54
LOG/GEOMETRIC MEAN			2.10	2.17	4.46	2.00	1.66	1.40	3.16
MEDIAN			7.30	9.40	90.10	7.40	4.50	11.50	23.90
STANDARD DEV OF LOGS			0.30	0.15	0.19	0.04	0.75	3.37	0.11
STANDARD DEVIATION			3.08	1.23	15.64	0.27	6.18	16.77	2.68
VARIANCE			9.47	1.51	244.74	0.07	38.17	281.37	7.17
COEFF OF VARIATION			36.20	13.86	17.80	3.68	90.41	97.71	11.31
SUM OF VALUES			59.50	62.10	615.20	44.30	41.00	103.00	165.70
MEAN +2 STD DEV			14.65	11.33	119.17	7.93	19.19	50.71	29.03
MEAN -2 STD DEV			2.35	6.41	56.60	6.84	-5.52	-16.38	18.32
GEO MEAN +2 STD DEV			14.83	11.85	126.16	7.94	23.83	3447.09	29.62
GEO MEAN -2 STD DEV			4.46	6.52	59.47	6.86	1.17	0.00	18.71
SUM OF SQUARES			562.57	559.99	55535.72	327.45	471.00	3175.00	3965.39

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/03/19	1315		9.9	9.1	90.5	7.1	5.0	32	19.9
76/03/17	1350		7.7	10.3	101.9	7.7	3.0	9	26.4
77/03/23	1445		7.5	8.9	88.6	7.6	5.0	14	28.0
78/03/30	1705		9.0	10.3	95.4	7.7	3.0	9	12.0
79/03/27	0830		7.6			7.4		54	19.4
80/03/17	1325		7.5	8.8	87.3	7.5	2.0	9	27.5
81/03/13	1645		9.3	10.0	98.1	7.5		14	19.9
NUMBER OF SAMPLES			7	6	6	7	5	7	7
MAXIMUM VALUE			9.90	10.30	101.90	7.70	5.00	54.00	28.00
MINIMUM VALUE			7.50	8.80	87.30	7.10	2.00	9.00	12.00
ARITHMETIC MEAN			8.36	9.57	93.63	7.50	3.60	20.14	21.87
GEOMETRIC MEAN			8.31	9.54	93.49	7.50	3.39	15.81	21.12
LOG/GEOMETRIC MEAN			2.12	2.26	4.54	2.01	1.22	2.76	3.05
MEDIAN			7.70	9.55	92.95	7.50	3.00	14.00	19.90
STANDARD DEV OF LOGS			0.12	0.07	0.06	0.03	0.39	0.71	0.30
STANDARD DEVIATION			1.01	0.71	5.77	0.21	1.34	17.00	5.79
VARIANCE			1.03	0.50	33.33	0.04	1.80	289.14	33.51
COEFF OF VARIATION			12.12	7.41	6.17	2.78	37.27	84.42	26.47
SUM OF VALUES			58.50	57.40	561.80	52.50	18.00	141.00	153.10
MEAN +2 STD DEV			10.38	10.98	105.18	7.92	6.28	54.15	33.45
MEAN -2 STD DEV			6.33	8.15	82.09	7.08	0.92	-13.87	10.29
GEO MEAN +2 STD DEV			10.53	11.07	105.68	7.93	7.41	64.84	38.33
GEO MEAN -2 STD DEV			6.55	8.23	82.70	7.09	1.55	3.85	11.64
SUM OF SQUARES			495.05	551.64	52769.88	394.01	72.00	4575.00	3549.59

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/04/22	1015		8.8	9.1	93.5	7.3	7.0	54	29.0
76/04/15	1030		7.2	12.5	116.3	7.3	47.0	18	19.1
77/04/28	1030		12.5	9.0	99.0	7.6	4.0	28	
78/04/12	1300		11.5	9.9	102.4	7.8	3.0	14	26.7
79/04/10	0900		9.2	11.2		8.0	1.0	14	23.0
80/04/21	1700		9.9	11.2	106.4	7.8	5.0	0	12.8
NUMBER OF SAMPLES			6	6	5	6	6	6	5
MAXIMUM VALUE			12.50	12.50	116.30	8.00	47.00	54.00	29.00
MINIMUM VALUE			7.20	9.00	93.50	7.30	1.00	0.00	12.80
ARITHMETIC MEAN			9.85	10.48	103.52	7.63	11.17	21.33	20.92
GEOMETRIC MEAN			9.69	10.41	103.24	7.63	5.20	5.46	20.21
LOG/GEOMETRIC MEAN			2.27	2.34	4.64	2.03	1.65	1.70	3.01
MEDIAN			9.55	10.55	102.40	7.70	4.50	16.00	20.70
STANDARD DEV OF LOGS			0.20	0.13	0.06	0.04	1.27	3.47	0.30
STANDARD DEVIATION			1.91	1.38	6.57	0.29	17.67	18.36	5.69
VARIANCE			3.66	1.91	73.43	0.08	312.17	337.07	34.73
COEFF OF VARIATION			19.42	13.18	6.26	3.77	158.22	86.06	28.17
SUM OF VALUES			59.10	62.90	517.60	45.80	67.00	128.00	104.60
MEAN +2 STD DEV			13.68	13.25	120.66	8.21	46.50	58.05	32.71
MEAN -2 STD DEV			6.02	7.72	86.38	7.06	-24.17	-15.39	9.13
GEO MEAN +2 STD DEV			14.39	13.53	121.58	8.23	65.52	5605.73	36.82
GEO MEAN -2 STD DEV			6.53	8.01	87.67	7.07	0.41	0.01	11.10
SUM OF SQUARES			600.43	668.95	53875.66	350.02	2309.00	4416.00	2327.14

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14	1240		9.9	10.4	97.7		5.0	100	11.0
75/05/13	1525		14.1	9.7	99.3	7.6	17.0	18	10.2
76/05/20	1535		13.5	11.8	120.6	8.2	5.0	9	12.0
77/05/18	1415		13.4	12.4	133.1	8.0	1.0	9	20.3
78/05/19	0910		12.8	11.0	113.9	8.2	3.0	9	16.6
79/05/29	1630		19.4	11.2	133.0	8.1	13.0	9	14.8
80/05/21	1010		10.3	10.1	104.8	8.1	7.0	5	25.0
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			19.40	12.40	133.10	8.20	17.00	100.00	25.00
MINIMUM VALUE			9.90	9.70	97.70	7.60	1.00	5.00	10.20
ARITHMETIC MEAN			13.34	10.94	114.63	8.03	7.29	22.71	15.70
GEOMETRIC MEAN			13.05	10.91	113.80	8.03	5.29	12.89	14.96
LOG/GEOMETRIC MEAN			2.57	2.39	4.73	2.08	1.67	2.56	2.71
MEDIAN			13.40	11.00	113.90	8.10	5.00	9.00	14.80
STANDARD DEV OF LOGS			0.22	0.09	0.13	0.03	0.94	0.98	0.33
STANDARD DEVIATION			3.13	0.96	14.91	0.23	5.71	34.31	5.41
VARIANCE			9.78	0.91	222.17	0.05	32.57	1176.90	29.22
COEFF OF VARIATION			23.44	8.73	13.00	2.80	78.33	151.03	34.43
SUM OF VALUES			93.40	76.60	802.40	48.20	51.00	159.00	109.90
MEAN +2 STD DEV			19.60	12.85	144.44	8.48	18.70	91.33	26.51
MEAN -2 STD DEV			7.09	9.03	84.82	7.58	-4.13	-45.90	4.89
GEO MEAN +2 STD DEV			20.38	12.98	147.49	8.50	34.99	90.86	29.01
GEO MEAN -2 STD DEV			8.36	9.17	87.81	7.59	0.80	1.83	7.72
SUM OF SQUARES			1304.92	843.70	93311.00	387.46	567.00	10673.00	1900.73

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/06/13	1400		19.0	9.7	107.1	7.3	5.0	20	6.0
75/06/12	1600		19.0	9.0	101.1	8.4	5.0	59	9.2
76/06/08	0935		11.5	9.3	91.8	7.0	5.0	9	13.3
77/06/14	0950		16.3	9.1	102.2	8.2	54.0	14	18.2
78/06/26	1515		18.3	9.9	114.1	7.9	3.0	0	16.0
79/06/19	1015		12.4	9.5	103.0	8.0	2.0	5	22.7
80/06/23	1315		12.2	10.5	109.4	8.3	3.0	0	19.5
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			19.00	10.50	114.10	8.40	54.00	59.00	22.70
MINIMUM VALUE			11.50	9.00	91.80	7.00	2.00	0.00	6.00
ARITHMETIC MEAN			15.53	9.57	104.10	7.87	11.00	15.29	14.99
GEOMETRIC MEAN			15.20	9.56	103.89	7.86	5.33	1.52	13.79
LOG/GEOMETRIC MEAN			2.72	2.26	4.64	2.06	1.67	0.42	2.62
MEDIAN			16.30	9.50	103.00	8.00	5.00	9.00	16.00
STANDARD DEV OF LOGS			0.23	0.05	0.07	0.07	1.38	3.98	0.[illegible]
STANDARD DEVIATION			3.40	0.52	7.10	0.53	19.00	20.61	5.89
VARIANCE			11.58	0.27	50.37	0.28	361.00	424.57	34.72
COEFF OF VARIATION			21.91	5.42	6.82	6.71	172.73	134.80	39.32
SUM OF VALUES			108.70	67.00	728.70	55.10	77.00	107.00	104.90
MEAN +2 STD DEV			22.33	10.61	118.29	8.93	49.00	56.50	26.27
MEAN -2 STD DEV			8.72	8.53	89.91	6.81	-27.00	-25.92	3.20
GEO MEAN +2 STD DEV			23.89	10.64	119.32	9.01	46.16	4329.40	35.29
GEO MEAN -2 STD DEV			9.67	8.59	90.45	6.85	0.61	0.00	5.39
SUM OF SQUARES			1757.43	642.90	76159.87	435.39	3013.00	4183.00	1780.31

Table 1c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/07/15	1450		16.3	8.9	99.8	7.5	2.0	35	18.0
75/07/23	1015		18.4	13.0	155.8	7.8	5.0	23	22.2
76/07/21	0820		14.6	10.0	112.0	7.6	5.0	5	23.3
77/07/20	1250		19.5	8.8	109.7	7.8	4.0	18	25.2
78/07/10	1530		15.4	8.9	98.9	8.0	1.0	9	19.5
79/07/18	0750		17.0			7.7	2.0	14	21.3
80/07/22	1130		17.1	10.3	120.6		1.0	0	22.5
NUMBER OF SAMPLES			7	6	6	6	7	7	7
MAXIMUM VALUE			19.50	13.00	155.80	8.00	5.00	35.00	25.20
MINIMUM VALUE			14.60	8.80	98.90	7.50	1.00	0.00	18.00
ARITHMETIC MEAN			16.90	9.98	116.13	7.73	2.86	14.86	21.71
GEOMETRIC MEAN			16.83	9.89	114.71	7.73	2.35	4.63	21.60
LOG/GEOMETRIC MEAN			2.82	2.29	4.74	2.05	0.86	1.53	3.07
MEDIAN			17.00	9.45	110.85	7.75	2.00	14.00	22.20
STANDARD DEV OF LOGS			0.10	0.15	0.17	0.02	0.70	3.08	0.11
STANDARD DEVIATION			1.68	1.61	21.05	0.18	1.77	11.80	2.39
VARIANCE			2.83	2.59	443.13	0.03	3.14	139.14	5.73
COEFF OF VARIATION			9.95	16.12	18.13	2.26	62.05	79.40	11.03
SUM OF VALUES			118.30	59.90	696.80	46.40	20.00	104.00	152.00
MEAN +2 STD DEV			20.26	13.20	158.23	8.08	6.40	38.45	26.50
MEAN -2 STD DEV			13.54	6.76	74.03	7.38	-0.69	-8.73	16.93
GEO MEAN +2 STD DEV			20.52	13.34	160.34	8.09	9.53	2185.24	27.04
GEO MEAN -2 STD DEV			13.80	7.32	82.97	7.39	0.58	0.01	17.25
SUM OF SQUARES			2016.23	610.95	83137.34	358.98	76.00	2380.00	3334.96

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/08/13	0830		15.5			7.4	3.0	0	12.0
75/08/13	1420		20.1	11.0	138.2	7.6	3.0	15	24.7
76/08/25	0915		13.2	7.8	84.0	7.8	4.0	14	21.5
77/08/17	1315		21.1	10.3	132.9	7.1	1.0	9	25.9
78/08/22	1400		14.4	8.5	91.7	7.5	10.0X	36	17.8
79/08/27	1600		16.4	8.0	94.7	7.8	2.0	9	26.4
80/08/29	1320		15.1	7.9	90.4		2.0	5	25.1
NUMBER OF SAMPLES			7	6	6	6	7	7	7
MAXIMUM VALUE			21.10	11.00	138.20	7.80	10.00	36.00	26.40
MINIMUM VALUE			13.20	7.80	84.00	7.10	1.00	0.00	12.00
ARITHMETIC MEAN			16.54	8.94	105.32	7.53	3.57	12.57	21.91
GEOMETRIC MEAN			16.33	8.86	103.24	7.53	2.83	3.76	21.23
LOG/GEOMETRIC MEAN			2.79	2.18	4.64	2.02	1.04	1.38	3.06
MEDIAN			15.50	8.32	93.20	7.55	3.00	9.00	24.70
STANDARD DEV OF LOGS			0.17	0.15	0.21	0.04	0.71	3.01	0.29
STANDARD DEVIATION			2.95	1.37	23.74	0.27	2.99	11.53	5.31
VARIANCE			8.73	1.87	563.44	0.07	8.95	132.95	28.22
COEFF OF VARIATION			17.86	15.30	22.54	3.53	83.78	91.72	24.24
SUM OF VALUES			115.80	53.64	631.90	45.20	25.00	88.00	153.40
MEAN +2 STD DEV			22.45	11.68	152.79	8.06	9.56	35.63	32.54
MEAN -2 STD DEV			10.63	6.20	57.84	7.00	-2.41	-10.49	11.29
GEO MEAN +2 STD DEV			23.06	11.89	158.62	8.09	11.74	1617.26	37.71
GEO MEAN -2 STD DEV			11.56	6.60	67.20	7.01	0.68	0.01	11.96
SUM OF SQUARES			1968.04	488.90	69366.79	340.86	143.00	1904.00	3530.96

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/09/18	1310		17.6	5.8	71.0	7.2	5.0	82	28.2
75/09/18	0955		14.0	10.4	117.1	8.0	3.0	9	26.0
76/09/17	0715		14.1	10.0	111.0	7.9	3.0	8	23.4
77/09/14	1320		15.3	8.0	92.1	7.7	2.0	41	25.4
78/09/18	1145		15.0	9.0	94.5	7.9	2.0		11.2
79/09/19	0915		14.8	8.8	100.9	8.2	3.0	5	26.3
NUMBER OF SAMPLES			6	6	6	6	6	5	6
MAXIMUM VALUE			17.60	10.40	117.10	8.20	5.00	82.00	28.20
MINIMUM VALUE			14.00	5.80	71.00	7.20	2.00	5.00	11.20
ARITHMETIC MEAN			15.13	8.67	97.77	7.82	3.00	29.00	23.42
GEOMETRIC MEAN			15.09	8.53	96.56	7.81	2.85	16.47	22.46
LOG/GEOMETRIC MEAN			2.71	2.14	4.57	2.06	1.05	2.80	3.11
MEDIAN			14.90	8.92	97.70	7.90	3.00	9.00	25.70
STANDARD DEV OF LOGS			0.08	0.21	0.18	0.04	0.34	1.20	0.35
STANDARD DEVIATION			1.31	1.65	16.24	0.34	1.10	33.05	6.18
VARIANCE			1.72	2.72	263.59	0.12	1.20	1092.50	38.21
COEFF OF VARIATION			8.66	19.00	16.61	4.39	36.51	113.98	26.40
SUM OF VALUES			90.80	52.04	586.60	46.90	18.00	145.00	140.50
MEAN +2 STD DEV			17.76	11.97	130.24	8.50	5.19	95.11	35.78
MEAN -2 STD DEV			12.51	5.38	65.30	7.13	0.81	-37.11	11.05
GEO MEAN +2 STD DEV			17.82	12.99	137.44	8.54	5.62	179.85	44.88
GEO MEAN -2 STD DEV			12.78	5.60	67.84	7.14	1.45	1.51	11.24
SUM OF SQUARES			1382.70	464.95	58667.88	367.19	60.00	8575.00	3481.09

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/10/16	1550		12.0	4.3	47.1	7.4	2.0	38	28.0
75/10/17	0850		12.0	7.1	77.3	7.8	16.0	28	27.0
76/10/22	0815		9.8	5.3	55.5	7.4	4.0	32	28.0
77/10/13	1045		11.5	6.5	69.1	7.6	4.0	36	24.9
78/10/13	0835		12.1	8.0	83.7	7.8	3.0	9	20.5
79/10/17	1105		12.5	5.5	60.9	7.4	3.0	54	27.9
80/10/07	1030		12.2	9.5	104.0	7.9	1.0	9	27.2
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			12.50	9.50	104.00	7.99	16.00	54.00	28.00
MINIMUM VALUE			9.80	4.30	47.10	7.40	1.00	9.00	20.00
ARITHMETIC MEAN			11.73	6.60	71.09	7.61	4.71	39.43	26.21
GEOMETRIC MEAN			11.70	6.49	68.94	7.61	3.14	34.54	26.08
LOG/GEOMETRIC MEAN			2.46	1.86	4.23	2.03	1.21	3.20	3.26
MEDIAN			12.00	6.50	69.10	7.60	3.00	32.00	27.20
STANDARD DEV OF LOGS			0.08	0.27	0.27	0.03	0.84	0.71	0.11
STANDARD DEVIATION			0.90	1.77	19.18	0.22	5.09	16.14	2.74
VARIANCE			0.81	3.13	367.83	0.05	25.90	260.62	7.53
COEFF OF VARIATION			7.68	26.77	26.98	2.88	107.96	54.86	10.47
SUM OF VALUES			82.10	46.23	497.60	53.30	33.00	206.00	183.50
MEAN +2 STD DEV			13.53	10.14	109.44	8.05	14.89	61.72	31.70
MEAN -2 STD DEV			9.93	3.07	32.73	7.18	-5.47	-2.86	20.73
GEO MEAN +2 STD DEV			13.78	10.95	117.57	8.06	18.00	102.38	32.74
GEO MEAN -2 STD DEV			9.93	3.75	40.43	7.19	3.62	5.88	20.77
SUM OF SQUARES			967.79	324.07	37579.26	406.13	311.00	7626.00	4855.51

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/11/14	1125		10.5	6.6	67.4	7.3	5.0	35	22.0
75/11/20	2145		6.6	7.0	61.1	7.3	3.0		16.4
76/11/23	2300		8.4	6.4	61.8	7.0	1.0	18	20.6
77/11/09	0810		10.7	6.2	67.3	7.7	3.0	0	30.4
79/11/16	0830		8.6	3.6	36.8	7.2	5.0	99	28.2
80/11/19	2020		8.4	8.9	87.6	7.6	2.0	9	23.3
NUMBER OF SAMPLES			6	6	6	6	6	5	6
MAXIMUM VALUE			10.70	9.00	87.60	7.80	5.00	99.00	30.40
MINIMUM VALUE			6.60	3.65	36.80	7.00	1.00	0.00	16.40
ARITHMETIC MEAN			8.87	6.79	67.00	7.43	3.17	32.20	23.48
GEOMETRIC MEAN			8.75	6.52	64.69	7.43	2.77	4.89	23.01
LOG/GEOMETRIC MEAN			2.17	1.87	4.17	2.01	1.02	1.59	3.14
MEDIAN			8.50	6.50	67.35	7.45	3.00	18.00	22.65
STANDARD DEV OF LOGS			0.18	0.33	0.31	0.04	0.61	3.95	0.22
STANDARD DEVIATION			1.53	1.99	17.68	0.31	1.60	39.52	5.11
VARIANCE			2.33	3.95	312.50	0.10	2.57	1561.70	26.16
COEFF OF VARIATION			17.23	29.25	26.38	4.23	50.59	122.73	21.78
SUM OF VALUES			53.20	40.75	402.00	44.60	19.00	161.00	140.90
MEAN +2 STD DEV			11.92	10.76	102.36	8.06	6.37	111.24	33.71
MEAN -2 STD DEV			5.81	2.82	31.64	6.81	-0.04	-46.84	13.25
GEO MEAN +2 STD DEV			12.48	12.58	119.17	8.09	9.36	13210.71	35.92
GEO MEAN -2 STD DEV			6.14	3.38	35.12	6.82	0.82	0.00	14.74
SUM OF SQUARES			483.38	296.49	28496.00	332.02	73.00	11431.00	3439.61

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/12/18	1415		8.1	7.8	77.5		3.0	73	25.7
75/12/17	2100		7.0	10.8	94.1	7.8	16.0	9	9.6
76/12/15	1845		7.9	7.0	70.1	6.8	6.0	14	27.6
77/12/20	1955		4.9	10.5	87.9	7.2	3.0	0	11.4
78/12/18	2250		7.2	7.8	78.3	7.3	3.0	0	30.1
79/12/12	1825		7.3	9.1	87.2	7.5	3.0	5	23.1
80/12/15	1850		5.4	9.3	82.2	7.6	4.0	0	17.7
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			8.10	10.80	94.10	7.80	10.00	73.00	30.10
MINIMUM VALUE			4.90	7.00	70.10	6.80	3.00	0.00	9.60
ARITHMETIC MEAN			6.83	8.90	82.47	7.33	5.14	14.43	20.74
GEOMETRIC MEAN			6.73	8.80	82.14	7.32	4.45	0.48	19.18
LOG/GEOMETRIC MEAN			1.91	2.17	4.41	1.99	1.49	-0.74	2.95
MEDIAN			7.20	9.10	82.20	7.40	4.00	5.00	23.10
STANDARD DEV OF LOGS			0.19	0.16	0.10	0.06	0.58	4.34	0.45
STANDARD DEVIATION			1.22	1.44	7.98	0.42	2.97	26.37	8.01
VARIANCE			1.49	2.07	63.72	0.17	8.81	695.62	64.24
COEFF OF VARIATION			17.85	16.15	9.68	5.70	57.71	182.79	38.64
SUM OF VALUES			47.80	62.30	577.30	44.00	36.00	101.00	145.20
MEAN +2 STD DEV			9.27	11.78	98.44	8.17	11.08	67.18	36.77
MEAN -2 STD DEV			4.39	6.02	66.51	6.50	-0.79	-38.32	4.71
GEO MEAN +2 STD DEV			9.88	12.18	99.89	8.23	14.33	2840.23	47.12
GEO MEAN -2 STD DEV			4.54	6.36	67.54	6.52	1.38	0.00	9.31
SUM OF SQUARES			335.32	566.87	47993.05	323.54	238.00	5631.00	3397.28

Table 2a.

ECB102 ECOBAM AT PIGEON CREEK NO. 1

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/14	1410		10.6	9.9		5.0	63	11.0	94.1	1.776	576750	32612	609360
74/06/12	1345		16.4	9.5	7.2	5.0	20	4.0	98.5	1.886	583790	40695	624490
74/07/15	1535		15.9	9.6	8.0	2.0	10	16.0	105.5	1.278	552340	51662	604000
74/08/13	0930		15.0		7.6	2.0	0	12.0		2.261	520930	34069	555000
74/09/18	1355		17.3	6.3	7.4	22.0	50	27.9	76.6	1.549	656580	37866	694450
74/10/16	1505		13.1	5.2	7.5	1.0	28	27.4	58.1	1.149	889280	39980	929260
74/11/14	1210		9.9	7.4	7.4	4.0	5	18.0	72.7	2.113	533400	37615	571010
74/12/18	1575		8.4	9.0		2.0	35	25.7	90.0	1.671	524490	38149	562640
75/01/15	1315		5.0	10.4	7.5	7.0	25	17.5	90.9	1.724	583710	40396	624100
75/02/19	1610		11.3	10.3	7.3	80.0	35	9.5	98.9	0.496	497630	31126	528760
75/03/19	1235		8.9	9.1	7.5	2.0	14	27.1	92.9	1.582	537120	30281	567400
75/04/22	1055		8.9	9.3	7.6	3.0	9	27.4	95.1	2.040	444710	28176	472890
75/05/13	1610		15.7	9.8	7.7	15.0	14	10.7	104.0	0.773	258730	25880	284610
75/06/12	1515		18.0	10.7	8.5	5.0	9	9.6	118.2	1.662	158040	31847	189890
75/07/23	1100		17.7	11.7	8.0	10.0	18	16.1	135.4	1.144	81462	24682	106140
75/08/13	1505		19.0	11.2	8.0	1.0	10	23.1	136.5	0.588	300060	30855	330920
75/09/18	1040		14.8	9.8	8.2	2.0	9	24.5	111.1	1.465	258260	30351	288610
75/10/17	0940		12.0	7.4	7.8	13.0	9	26.5	79.8	0.526	330620	31824	362450
75/11/20	2255		6.0	12.2	8.4	4.0	0	15.4	107.7	2.842	52343	23060	75403
75/12/17	2350		4.4	8.9	7.8	18.0	5	15.2	75.4	1.871	309060	34008	343070
76/01/22	1325		6.7	10.0	7.7	14.0	0	20.4	92.8	1.850	257980	37931	295910
76/02/18	1335		6.7	7.4	7.4	9.0	6	20.1	68.5	1.199	350680	36370	387050
76/03/17	1315		7.7	10.2	7.6	3.0	5	26.4	100.9	1.495	290100	24330	314430
76/04/15	1210		7.4	13.8	7.6	18.0	5	17.8	127.9	2.051	299130	43345	342470
76/05/20	1430		13.4	11.2	7.9	52.0	0	9.2	112.4	0.509	232080	38852	270940
76/06/08	1025		11.5	9.7	7.8	4.0	5	11.0	94.4	0.840	307740	34301	342040
76/07/21	0905		14.2	11.2	8.1	5.0	5	19.7	121.7	1.684	247320	44970	292290
76/08/25	1005		13.2	7.9	7.8	1.0	9	22.1	85.4	1.350	329740	37782	367520
76/09/17	0800		12.9	8.9	8.1	2.0	9	23.5	96.5	1.384	271720	38857	310580
76/10/22	0900		9.7	7.1	7.6	1.0	23	28.3	74.4	1.792	347530	34650	382180
76/11/24	0050		7.8	6.2	7.0	3.0	28	22.3	59.8	2.070	248280	36417	284700
76/12/15	1935		7.9	7.5	7.7	4.0	9	27.0	74.8	1.806	231890	38167	270050
77/01/13	1545		6.9	6.1	7.4	1.0	23	27.2	59.6	0.650	202780	40523	243310
77/02/25	1435		9.7	9.4	7.2	1.0	68	24.4	95.9	1.281	148870	35414	184280
77/03/23	1520		8.8	9.2	7.7	1.0	14	26.8	93.5	0.439	273810	39883	313690
77/04/28	0950		12.0	10.1	7.7	6.0	9			1.617	256750	37174	293920
77/05/18	1515		12.7	12.6	8.2	1.0	5	21.1	134.0	0.781	262530	42365	304890
77/06/14	1050		15.5	10.7	8.2	2.0	9	18.7	118.6	0.272	307880	44010	351890
77/07/20	1215		16.4	9.3	7.8	2.0	18	26.3	110.0	1.758	302040	44978	347020
77/08/17	1230		20.0	9.9	8.0	1.0	5	24.9	124.3	1.139	323610	55518	379130
77/09/14	1400		14.3	7.9	7.8	1.0	28	26.6	89.8	1.389	245870	42412	288280
77/10/13	1010		11.5	6.6	7.7	2.0	18	25.3	70.3	1.684	219620	24391	244010
77/11/09	0735		10.2	6.4	7.9	2.0	5	30.7	68.9	1.726	242350	48725	291070
77/12/20	2040		5.1	10.4	7.2	4.0	14	11.8	87.7	1.900	226900	42364	269260
78/01/30	1315		5.8	9.6	7.4	2.0	9	17.6	85.6	0.000	209700	36870	246570
78/02/15	1425		6.7	9.7	7.3	4.0	18	22.4	91.2	0.544	224410	42553	266960
78/03/30	1735		8.8	10.4	7.6	3.0	5	11.6	95.7	1.539	194140	38787	232920
78/04/12	1345		13.2	10.6	7.5	4.0	14	18.6	112.1	2.231	238680	42422	281100
78/05/19	0955		13.9	10.7	8.0	3.0	5	18.2	114.5	0.475	216760	42912	259670
78/06/26	1435		18.4	10.2	7.8	2.0	0	13.1	115.8	0.237	253790	35962	289750
78/07/10	1500		15.4	8.9	7.9	1.0	5	18.9	98.6	0.179	217250	17512	234760
78/08/22	1530		14.2	7.7	7.4	10.0K	18	18.3	83.0	0.623	124100	35009	159110
78/09/18	1230		14.0	8.7	7.8	2.0		13.5	90.7	1.138	5600	0	5600
78/10/13	0920		11.7	7.9	7.8	5.0	5	18.8	94.6	1.262	0	0	0
78/12/18	2340		7.1	8.6	7.9	3.0	5	28.7	85.3	0.813	0	0	0
79/01/31	1325		6.1	10.3	7.7	8.0	9K	27.2	98.8	0.918	0	0	0
79/02/27	0925		6.4	9.5	7.8	6.0	28	25.8	90.9	1.289	156750	49829	206580
79/03/27	0935		7.4		7.6		14	19.4		1.572	170820	39925	210740
79/04/10	0940		10.9	11.8	8.0	1.0	18	21.7	121.3	2.258	243440	40224	283670
79/05/29	1550		19.4	10.9	8.2	15.0	5	9.0	125.0	1.000	133290	40529	173820
79/06/19	1030		13.1	9.5	8.1	3.0	5	23.3	103.3	0.794	95859	33531	129390
79/07/18	0830		21.0		7.7	80.0	9	20.0		0.606	157750	32673	190420
79/08/27	1515		14.4	7.5	7.8	2.0		26.2	110.4	1.329	169540	34268	203810
79/09/19	1000		15.0	9.6	8.2	3.0	5	25.5	109.9	1.342	173840	40150	213990
79/10/17	0950		11.5	6.2	7.7	3.0	14	28.2	67.4	1.535	132340	40735	173080
79/11/16	0800		8.5	4.6	7.5	2.0	50	27.2	46.6	0.919	158890	41322	200220
79/12/12	1920		7.0	9.2	7.6	3.0	9	22.6	87.3	1.724	196450	26152	222610
80/01/24	1730		6.0	9.2	7.9	3.0	5K	21.1	84.4	0.760	4643	10525	15168
80/02/21	1735		6.4	10.2	7.3	4.0	5	15.4	90.9	1.392	5027	16510	21537
80/03/17	1350		7.2	8.9	7.6	1.0	0	27.2	87.6	0.697	3289	9653	12942
80/04/21	1745		9.3	11.0	7.7	8.0	0	15.3	104.8	2.522	2950	6864	9814
80/05/21	1745		10.5	9.8	8.1	40.0	0	24.6	101.8		3090	4983	8073
80/06/23	1245		11.5	10.3	8.4	5.0	0	17.5	104.4	2.095	3325	7119	10444
80/07/22	1040		17.4	10.6		2.0	0	23.0	125.2	0.294	3889	6199	10088
80/08/29	1550		14.5	8.2		2.0	0	25.9	93.2	0.537	4340	7126	11466
80/10/07	1140		12.5	12.0	8.2	1.0	0	24.9	130.2	1.628	2767	11048	13815
80/12/15	1850		6.5	9.1	7.6	4.0	9	21.0	84.4	1.945	2491	4533	7024
81/02/10	1515		7.3	8.1	7.5	1.0	5	26.8	79.6	1.299	6306	8418	14724
81/03/13	1706		9.5	10.0				19.2	98.1	1.373	12573	7265	19838

Table 2b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14	1410		10.6	9.9	94.1		5.0	63	11.0
74/06/12	1345		16.4	9.5	98.5	7.2	5.0	20	4.0
74/07/15	1535		15.9	9.6	105.5	8.0	2.0	10	16.0
74/08/13	0930		15.0			7.4	2.0	0	12.0
74/09/18	1355		17.3	6.3	76.6	7.4	22.0	50	27.9
74/10/16	1505		13.1	5.2	58.1	7.5	1.0	28	27.4
74/11/14	1210		9.9	7.4	72.7	7.4	4.0	5	18.0
74/12/18	1575		8.4	9.0	90.0		2.0	35	25.7
NUMBER OF SAMPLES			8	7	7	6	8	8	8
MAXIMUM VALUE			17.30	9.90	105.50	8.00	22.00	63.00	27.90
MINIMUM VALUE			8.40	5.20	58.10	7.20	1.00	0.00	4.00
ARITHMETIC MEAN			13.30	8.13	85.07	7.52	5.38	26.38	17.75
GEOMETRIC MEAN			12.90	7.93	83.57	7.51	3.39	7.92	15.29
LOG/GEOMETRIC MEAN			2.56	2.07	4.43	2.02	1.22	2.07	2.73
MEDIAN			14.05	9.00	90.00	7.45	3.00	24.00	17.00
STANDARD DEV OF LOGS			0.27	0.25	0.21	0.04	0.94	3.09	0.65
STANDARD DEVIATION			3.37	1.84	16.61	0.27	6.89	22.16	8.70
VARIANCE			11.33	3.40	275.96	0.07	47.41	491.13	75.74
COEFF OF VARIATION			25.30	22.68	19.53	3.61	128.10	84.02	49.03
SUM OF VALUES			106.40	56.90	595.50	45.10	43.00	211.00	142.00
MEAN +2 STD DEV			20.03	11.82	118.30	8.06	19.15	70.70	35.16
MEAN -2 STD DEV			6.57	4.44	51.85	6.97	-8.40	-17.95	0.34
GEO MEAN +2 STD DEV			22.14	13.03	126.73	8.07	22.13	3840.35	56.20
GEO MEAN -2 STD DEV			7.51	4.82	55.11	7.00	0.52	0.02	4.16
SUM OF SQUARES			1494.40	482.91	52315.77	339.37	563.00	9003.00	3050.66

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15	1315		5.0	10.4	98.9	7.5	7.0	25	17.5
75/02/19	1610		11.3	10.3	98.9	7.3	80.0	35	9.5
75/03/19	1235		8.9	9.1	92.9	7.5	2.0	14	27.1
75/04/22	1055		8.9	9.3	95.1	7.6	3.0	9	27.4
75/05/13	1619		15.7	9.8	104.0	7.7	15.0	14	10.7
75/06/12	1515		18.0	10.7	118.2	8.5	5.0	9	9.6
75/07/23	1100		17.7	11.7	135.4	8.0	10.0	18	16.1
75/08/13	1505		19.0	11.2	136.5	8.0	1.0	10	23.1
75/09/18	1040		14.8	9.8	111.1	8.2	2.0	9	24.5
75/10/17	0940		12.0	7.4	79.8	7.8	13.0	9	26.5
75/11/20	2255		6.0	12.2	107.7	8.4	4.0	8	15.4
75/12/17	2350		4.4	8.9	75.4	7.8	18.0	5	15.2
NUMBER OF SAMPLES			12	12	12	12	12	12	12
MAXIMUM VALUE			19.00	12.20	136.50	8.50	80.00	35.00	27.40
MINIMUM VALUE			4.40	7.40	75.40	7.38	1.00	8.00	9.50
ARITHMETIC MEAN			11.81	10.07	103.03	7.86	13.33	13.88	18.55
GEOMETRIC MEAN			10.59	9.98	102.20	7.85	6.40	6.44	17.30
LOG/GEOMETRIC MEAN			2.36	2.30	4.63	2.06	1.86	1.86	2.85
MEDIAN			11.65	10.05	101.45	7.80	4.00	9.50	16.80
STANDARD DEV OF LOGS			0.51	0.14	0.19	0.05	1.20	2.32	0.40
STANDARD DEVIATION			5.23	1.32	19.33	0.37	21.73	9.35	6.89
VARIANCE			27.37	1.75	373.75	0.14	472.06	87.36	47.51
COEFF OF VARIATION			44.30	13.13	18.62	4.74	162.95	71.44	37.16
SUM OF VALUES			141.70	120.80	1245.90	94.30	160.00	157.00	222.60
MEAN +2 STD DEV			22.27	12.71	142.49	8.60	56.79	31.78	32.34
MEAN -2 STD DEV			1.35	7.42	65.16	7.11	-30.12	-5.61	4.76
GEO MEAN +2 STD DEV			29.53	13.10	147.99	8.63	70.82	660.54	38.60
GEO MEAN -2 STD DEV			3.80	7.61	70.58	7.14	0.58	0.06	7.75
SUM OF SQUARES			1974.29	1235.26	133466.79	742.57	7324.00	3815.00	4651.84

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
76/01/22	1325		6.7	10.0	92.8	7.7	14.0	0	20.4
76/02/18	1335		6.7	7.4	68.5	7.4	9.0	6	20.1
76/03/17	1310		7.7	10.2	100.7	7.6	3.0	5	24.4
76/04/15	1210		7.4	13.8	127.9	7.6	18.0	5	17.8
76/05/20	1450		13.4	11.2	112.4	7.9	52.0	0	9.2
76/06/08	1025		11.5	9.7	94.4	7.8	4.0	5	11.0
76/07/21	0905		14.2	11.2	121.7	8.1	5.0	5	19.7
76/08/25	1005		13.2	7.9	85.4	7.8	1.0	9	22.1
76/09/17	0800		12.9	8.9	96.5	8.1	2.0	9	23.5
76/10/22	0900		9.7	7.1	74.4	7.6	1.0	23	28.3
76/11/24	0050		7.8	6.2	59.8	7.0	3.0	28	22.3
76/12/15	1935		7.9	7.5	74.8	7.7	4.0	9	27.0
NUMBER OF SAMPLES			12	12	12	12	12	12	12
MAXIMUM VALUE			14.20	13.80	127.90	8.10	52.00	28.00	28.30
MINIMUM VALUE			6.70	6.20	59.80	7.00	1.00	0.00	9.20
ARITHMETIC MEAN			9.93	9.26	92.46	7.69	9.67	8.67	20.65
GEOMETRIC MEAN			9.54	9.03	90.21	7.69	4.85	2.44	19.69
LOG/GEOMETRIC MEAN			2.26	2.20	4.50	2.04	1.58	0.89	2.98
MEDIAN			8.80	9.30	93.60	7.70	4.00	5.50	21.25
STANDARD DEV OF LOGS			0.29	0.23	0.23	0.04	1.17	2.95	0.34
STANDARD DEVIATION			2.91	2.18	21.17	0.30	14.35	8.48	5.87
VARIANCE			8.47	4.76	448.06	0.09	205.88	71.84	34.41
COEFF OF VARIATION			29.33	23.56	22.89	3.90	148.43	97.82	28.41
SUM OF VALUES			119.10	111.10	1109.50	92.30	116.00	104.00	247.80
MEAN +2 STD DEV			15.75	13.62	134.79	8.29	38.36	25.42	32.38
MEAN -2 STD DEV			4.10	4.90	50.12	7.09	-19.03	-8.29	8.92
GEO MEAN +2 STD DEV			17.13	14.38	143.91	8.32	50.76	687.59	39.24
GEO MEAN -2 STD DEV			5.31	5.67	56.55	7.10	0.46	0.01	9.88
SUM OF SQUARES			1275.27	1080.93	107511.17	710.93	3386.00	1872.80	5493.54

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
77/01/13	1545		6.9	6.1	59.6	7.4	1.0	23	27.2
77/02/25	1435		9.7	9.4	95.9	7.2	1.0	68	24.4
77/03/22	1526		8.8	9.3	93.5	7.3	1.0	14	26.8
77/04/28	0950		12.0	10.1		7.7	6.0	9	
77/05/18	1515		12.7	12.6	134.0	8.2	1.0	5	21.1
77/06/14	1050		15.5	10.7	118.6	8.2	2.0	9	18.7
77/07/20	1215		16.4	9.3	110.0	7.8	2.0	18	26.3
77/08/17	1230		20.0	9.9	124.3	8.0	1.0	5	24.9
77/09/14	1400		14.3	7.9	89.8	7.8	1.0	28	26.6
77/10/13	1010		11.5	6.6	70.3	7.7	2.0	18	25.3
77/11/09	0735		10.2	6.4	68.9	7.9	2.0	5	30.7
77/12/20	2040		5.1	10.4	87.7	7.2	4.0	14	11.8
NUMBER OF SAMPLES			12	12	11	12	12	12	11
MAXIMUM VALUE			20.00	12.60	134.00	8.20	6.00	68.00	30.70
MINIMUM VALUE			5.10	6.10	59.60	7.20	1.00	5.00	11.80
ARITHMETIC MEAN			11.93	9.05	95.69	7.73	2.00	18.00	23.98
GEOMETRIC MEAN			11.20	8.85	92.47	7.73	1.64	13.21	23.34
LOG/GEOMETRIC MEAN			2.42	2.18	4.53	2.04	0.50	2.58	3.15
MEDIAN			11.75	9.35	93.50	7.75	1.50	14.00	25.30
STANDARD DEV OF LOGS			0.38	0.23	0.24	0.04	0.61	0.79	0.26
STANDARD DEVIATION			4.20	1.96	24.05	0.33	1.54	17.39	5.13
VARIANCE			17.63	3.84	578.40	0.11	2.36	302.36	26.30
COEFF OF VARIATION			35.21	21.65	25.13	4.32	76.87	94.60	21.39
SUM OF VALUES			143.10	108.60	1052.60	92.80	24.00	216.00	263.80
MEAN +2 STD DEV			20.32	12.97	143.79	8.40	5.07	52.78	34.24
MEAN -2 STD DEV			3.53	5.13	47.59	7.07	-1.07	-16.78	13.72
GEO MEAN +2 STD DEV			24.87	13.93	156.25	8.43	5.57	64.24	39.41
GEO MEAN -2 STD DEV			5.21	5.62	55.19	7.08	0.48	2.72	13.82
SUM OF SQUARES			1799.43	1023.96	106508.30	718.88	74.00	7214.00	6589.42

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
78/01/30	1315		5.8	9.6	85.6	7.4	2.0	9	17.6
78/02/15	1425		6.7	9.7	91.2	7.3	4.0	18	22.4
78/03/16	1335		4.8	10.6	95.7	7.4	3.0	5	11.6
78/04/12	1345		13.2	10.6	112.1	7.5	4.0	14	18.6
78/05/19	0955		13.9	10.7	114.5	8.0	3.0	5	18.2
78/06/26	1435		18.4	10.2	115.8	7.8	2.0	0	13.1
78/07/10	1500		15.4	8.9	98.6	7.9	1.0	5	18.9
78/08/22	1530		14.2	7.7	83.0	7.4	10.0E	18	18.3
78/09/18	1230		14.0	8.7	90.7	7.8	2.0		13.5
78/10/13	0920		11.7	7.9	79.6	7.8	3.0	3	18.4
78/12/18	2340		7.1	8.6	85.3	7.9	3.0	5	28.7
NUMBER OF SAMPLES			11	11	11	11	11	10	11
MAXIMUM VALUE			18.40	10.70	115.80	8.00	10.00	18.00	28.70
MINIMUM VALUE			5.80	7.75	83.00	7.30	1.00	0.00	11.60
ARITHMETIC MEAN			11.75	9.37	97.01	7.67	3.55	8.40	18.15
GEOMETRIC MEAN			11.01	9.31	96.36	7.67	2.99	3.81	17.63
LOG/GEOMETRIC MEAN			2.40	2.23	4.57	2.04	1.10	1.34	2.87
MEDIAN			13.20	9.60	94.60	7.80	3.00	5.00	18.30
STANDARD DEV OF LOGS			0.39	0.12	0.12	0.03	0.60	2.40	0.25
STANDARD DEVIATION			4.08	1.06	11.97	0.24	2.42	6.19	4.70
VARIANCE			16.66	1.12	143.39	0.06	5.87	38.27	22.09
COEFF OF VARIATION			34.75	11.32	12.34	3.14	68.35	73.44	25.89
SUM OF VALUES			129.20	103.05	1067.10	84.40	39.00	84.00	199.70
MEAN +2 STD DEV			19.91	11.49	120.76	8.16	8.39	20.77	27.55
MEAN -2 STD DEV			3.58	7.25	73.86	7.19	-1.38	-3.97	8.75
GEO MEAN +2 STD DEV			23.87	11.73	122.62	8.17	9.90	459.10	29.26
GEO MEAN -2 STD DEV			5.10	7.39	75.73	7.20	0.91	0.03	10.61
SUM OF SQUARES			1684.08	976.63	104952.29	648.16	197.00	1050.00	3846.37

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
79/01/31	1325		4.1	10.3	98.8	7.7	6.0	9E	27.2
79/02/27	0925		4.4	9.5	90.9	7.8	4.0	28	25.8
79/03/27	0935		7.4			7.6		14	19.4
79/04/10	0940		10.9	11.8	121.3	8.0	1.0	18	21.7
79/05/29	1550		19.4	10.9	125.0	8.2	15.0	5	9.0
79/06/19	1030		13.1	9.5	103.3	8.1	3.0	5	23.3
79/07/18	0830		21.0			7.7	80.0	9	20.0
79/08/27	1515		14.4	7.5	110.4	7.8	2.0		26.2
79/09/19	1000		15.0	9.6	109.9	8.2	3.0	5	25.5
79/10/17	0950		11.5	4.2	47.4	7.7	3.0	14	28.7
79/11/16	0800		8.5	4.6	46.6	7.5	2.0	50	27.2
79/12/12	1920		7.0	9.2	87.3	7.6	3.0	9	22.6
NUMBER OF SAMPLES			12	10	10	12	11	11	12
MAXIMUM VALUE			21.00	11.80	125.00	8.20	80.00	50.00	28.20
MINIMUM VALUE			4.10	4.61	46.60	7.50	1.00	5.00	9.00
ARITHMETIC MEAN			11.73	8.92	96.09	7.83	11.45	15.09	23.01
GEOMETRIC MEAN			10.79	8.63	92.49	7.82	4.58	11.47	22.20
LOG/GEOMETRIC MEAN			2.38	2.16	4.53	2.06	1.52	2.44	3.10
MEDIAN			11.20	9.50	101.05	7.75	3.00	9.00	24.40
STANDARD DEV OF LOGS			0.43	0.29	0.30	0.03	1.20	0.74	0.31
STANDARD DEVIATION			5.02	2.19	24.27	0.24	23.08	13.46	5.28
VARIANCE			25.17	4.79	589.19	0.06	532.67	181.29	27.87
COEFF OF VARIATION			42.79	24.51	25.26	3.09	201.49	89.22	22.94
SUM OF VALUES			140.70	89.24	960.90	93.90	126.00	166.00	276.10
MEAN +2 STD DEV			21.76	13.38	144.64	8.31	57.61	42.02	33.57
MEAN -2 STD DEV			1.69	4.55	47.54	7.34	-34.70	-11.84	12.45
GEO MEAN +2 STD DEV			25.34	15.29	169.24	8.32	50.41	50.47	41.26
GEO MEAN -2 STD DEV			4.59	4.88	50.76	7.36	0.42	2.60	11.95
SUM OF SQUARES			1926.67	839.45	97438.61	725.41	4770.00	4318.00	6659.15

Table 2b, continued.

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
80/01/24	1730		6.0	9.2	84.4	7.9	3.0	5K	21.1
80/02/21	1735		6.4	10.2	90.9	7.3	4.0	5	15.4
80/03/17	1350		7.2	8.9	87.6	7.6	1.0	0	27.2
80/04/21	1745		9.3	11.0	104.8	7.7	8.0	0	15.3
80/05/21	1745		10.5	9.8	101.8	8.1	40.0	0	24.6
80/06/23	1245		11.5	10.3	104.4	8.4	5.0	0	17.5
80/07/22	1040		17.4	10.6	125.2		2.0	0	23.0
80/08/29	1550		14.5	8.2	93.2		2.0	0	25.9
80/10/07	1140		12.5	12.0	130.2	8.2	1.0	0	24.9
80/12/15	1850		6.5	9.1	84.4	7.6	4.0	9	21.0
NUMBER OF SAMPLES			10	10	10	8	10	10	10
MAXIMUM VALUE			17.40	12.00	130.20	8.40	40.00	9.00	27.20
MINIMUM VALUE			6.00	8.20	84.40	7.30	1.00	0.00	15.30
ARITHMETIC MEAN			10.18	9.93	100.69	7.85	7.00	1.90	21.59
GEOMETRIC MEAN			9.56	9.87	99.59	7.84	3.54	0.04	21.18
LOG/GEOMETRIC MEAN			2.26	2.29	4.60	2.06	1.26	-3.17	3.05
MEDIAN			9.90	10.00	97.50	7.80	3.50	0.00	22.05
STANDARD DEV OF LOGS			0.37	0.11	0.15	0.05	1.08	3.44	0.21
STANDARD DEVIATION			3.84	1.12	16.18	0.37	11.79	3.25	4.31
VARIANCE			14.78	1.26	261.94	0.13	138.89	10.54	18.58
COEFF OF VARIATION			37.76	11.32	16.07	4.67	168.36	170.91	19.97
SUM OF VALUES			101.80	99.30	1006.90	62.80	70.00	19.00	215.90
MEAN +2 STD DEV			17.87	12.18	133.06	8.58	30.57	8.39	30.21
MEAN -2 STD DEV			2.49	7.68	68.32	7.12	-16.57	-4.59	12.97
GEO MEAN +2 STD DEV			20.17	12.37	135.52	8.61	30.90	40.59	32.32
GEO MEAN -2 STD DEV			4.53	7.88	73.19	7.14	0.41	0.00	13.87
SUM OF SQUARES			1169.30	997.43	103742.25	493.92	1740.00	131.00	4828.53

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
81/02/10	1515		7.3	8.1	79.6	7.5	1.0	5	26.8
81/03/13	1706		9.5	10.0	98.1				19.2
NUMBER OF SAMPLES			2	2	2	1	1	1	2
MAXIMUM VALUE			9.50	10.00	98.10	7.50	1.00	5.00	26.80
MINIMUM VALUE			7.30	8.10	79.60	7.50	1.00	5.00	19.20
ARITHMETIC MEAN			8.40	9.05	88.85				23.00
GEOMETRIC MEAN			8.33	9.00	88.37				22.68
LOG/GEOMETRIC MEAN			2.12	2.20	4.48				3.12
MEDIAN			8.40	9.05	88.85				23.00
STANDARD DEV OF LOGS			0.19	0.15	0.15				0.24
STANDARD DEVIATION			1.56	1.34	13.08				5.37
VARIANCE			2.42	1.80	171.13				28.88
COEFF OF VARIATION			18.52	14.85	14.72				23.37
SUM OF VALUES			16.80	18.10	177.70				46.00
MEAN +2 STD DEV			11.51	11.74	115.01				33.75
MEAN -2 STD DEV			5.29	6.36	62.69				12.25
GEO MEAN +2 STD DEV			12.09	12.12	118.75				36.35
GEO MEAN -2 STD DEV			5.74	6.68	65.76				14.15
SUM OF SQUARES			143.54	165.61	15959.77				1086.88

Table 2c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15	1315		5.0	10.4	90.9	7.5	7.0	25	17.5
76/01/22	1325		6.7	10.0	92.8	7.7	14.0	6	20.4
77/01/13	1545		6.9	6.1	59.6	7.4	1.0	23	27.2
78/01/30	1315		5.8	9.4	85.6	7.4	2.0	9	17.6
79/01/31	1325		6.1	10.3	98.8	7.7	8.0	9E	27.2
80/01/24	1730		6.0	9.2	84.4	7.9	3.0	5E	21.1
NUMBER OF SAMPLES			6	6	6	6	6	6	6
MAXIMUM VALUE			6.90	10.40	98.80	7.90	14.00	25.00	27.20
MINIMUM VALUE			5.00	6.10	59.60	7.40	1.00	0.00	17.50
ARITHMETIC MEAN			6.08	9.27	85.35	7.60	5.83	11.83	21.83
GEOMETRIC MEAN			6.05	9.12	84.30	7.60	4.07	3.24	21.46
LOG/GEOMETRIC MEAN			1.80	2.21	4.43	2.03	1.41	1.18	3.07
MEDIAN			6.05	9.80	88.25	7.60	5.00	9.00	20.75
STANDARD DEV OF LOGS			0.11	0.20	0.18	0.03	0.98	3.23	0.20
STANDARD DEVIATION			0.66	1.61	13.65	0.20	4.88	10.01	4.40
VARIANCE			0.46	2.61	186.25	0.04	23.77	100.17	19.38
COEFF OF VARIATION			11.17	17.42	15.99	2.63	83.57	84.58	20.16
SUM OF VALUES			36.50	55.60	512.10	45.60	35.00	71.00	131.00
MEAN +2 STD DEV			7.44	12.50	112.64	8.00	15.58	31.85	30.64
MEAN -2 STD DEV			4.72	6.04	58.06	7.20	-3.92	-8.18	13.03
GEO MEAN +2 STD DEV			7.61	13.66	120.63	8.01	29.31	2080.44	31.91
GEO MEAN -2 STD DEV			4.81	6.09	56.91	7.21	0.57	0.01	14.45
SUM OF SQUARES			224.35	528.26	44638.97	346.76	323.00	1341.00	2957.06

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/02/19	1610		11.3	10.3	98.9	7.3	80.0	35	9.5
76/02/18	1335		6.7	7.4	68.5	7.4	9.0	6	20.1
77/02/25	1435		9.7	9.4	95.9	7.2	1.0	68	24.4
78/02/15	1425		6.7	9.7	91.2	7.3	4.0	18	22.4
79/02/27	0925		6.4	9.5	90.9	7.8	6.0	28	25.8
80/02/21	1735		6.4	10.2	90.9	7.3	4.0	5	15.4
81/02/10	1515		7.3	8.1	79.6	7.5	1.0	5	26.8
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			11.30	10.30	98.90	7.80	80.00	68.00	26.80
MINIMUM VALUE			6.40	7.40	68.50	7.20	1.00	5.00	9.50
ARITHMETIC MEAN			7.79	9.23	87.99	7.40	15.00	23.57	20.63
GEOMETRIC MEAN			7.60	9.17	87.40	7.40	4.91	15.11	19.60
LOG/GEOMETRIC MEAN			2.03	2.22	4.47	2.00	1.59	2.72	2.98
MEDIAN			6.70	9.50	90.90	7.30	4.00	18.00	22.40
STANDARD DEV OF LOGS			0.23	0.12	0.13	0.03	1.49	1.06	0.37
STANDARD DEVIATION			1.93	1.08	10.48	0.20	28.80	22.93	6.24
VARIANCE			3.74	1.17	109.85	0.04	829.33	525.62	38.94
COEFF OF VARIATION			24.84	11.73	11.91	2.70	191.99	97.26	30.25
SUM OF VALUES			54.50	64.60	615.90	51.80	105.00	165.00	144.40
MEAN +2 STD DEV			11.65	11.39	108.95	7.80	72.60	69.42	33.11
MEAN -2 STD DEV			3.92	7.06	67.02	7.00	-42.60	-22.28	8.15
GEO MEAN +2 STD DEV			11.98	11.74	112.70	7.80	96.99	124.64	41.10
GEO MEAN -2 STD DEV			4.83	7.17	67.79	7.01	0.25	1.83	9.35
SUM OF SQUARES			446.77	603.20	54849.49	383.56	6551.00	7843.00	3212.42

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/03/19	1235		8.9	9.1	92.9	7.5	2.0	14	27.1
76/03/17	1315		7.7	10.2	100.9	7.6	3.0	5	26.4
77/03/23	1520		8.8	9.2	93.5	7.7	1.0	14	26.8
78/03/30	1735		8.8	10.4	95.7	7.6	3.0	5	11.6
79/03/27	0935		7.4			7.6		14	19.4
80/03/17	1350		7.2	8.9	87.6	7.6	1.0	0	27.2
81/03/13	1706		9.5	10.0	98.1				19.2
NUMBER OF SAMPLES			7	6	6	6	5	6	7
MAXIMUM VALUE			9.56	10.46	100.90	7.70	3.00	14.00	27.70
MINIMUM VALUE			7.20	8.90	87.60	7.50	1.00	0.00	11.40
ARITHMETIC MEAN			8.33	9.63	94.78	7.60	2.00	8.67	22.53
GEOMETRIC MEAN			8.29	9.62	94.69	7.60	1.76	2.64	21.68
LOG/GEOMETRIC MEAN			2.11	2.26	4.55	2.03	0.58	0.97	3.08
MEDIAN			8.80	9.60	94.60	7.60	2.00	9.50	26.40
STANDARD DEV OF LOGS			0.11	0.07	0.05	0.01	0.55	3.11	0.32
STANDARD DEVIATION			0.88	0.64	4.61	0.06	1.00	6.12	6.00
VARIANCE			0.78	0.41	21.21	0.00	1.00	37.47	36.04
COEFF OF VARIATION			10.60	6.65	4.86	0.83	50.00	70.63	26.65
SUM OF VALUES			58.30	57.80	568.70	45.60	10.00	52.00	157.70
MEAN +2 STD DEV			10.09	10.91	103.99	7.73	4.00	20.91	34.54
MEAN -2 STD DEV			6.56	8.35	85.57	7.47	0.00	-3.58	10.52
GEO MEAN +2 STD DEV			10.27	10.98	104.43	7.73	5.39	1340.86	40.88
GEO MEAN -2 STD DEV			6.69	8.42	85.86	7.47	0.59	0.01	11.56
SUM OF SQUARES			490.23	558.86	54009.33	346.58	24.00	638.00	3769.01

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/04/22	1055		8.9	9.3	95.1	7.6	1.0	9	27.4
76/04/15	1210		7.4	13.8	127.9	7.6	18.0	5	17.8
77/04/28	0950		12.0	10.1		7.7	6.0	9	
78/04/12	1345		13.2	10.6	112.1	7.5	4.0	14	18.6
79/04/10	0940		10.9	11.8	121.3	8.0	1.0	18	21.7
80/04/21	1745		9.3	11.0	104.8	7.7	8.0	0	15.3
NUMBER OF SAMPLES			6	6	5	6	6	6	5
MAXIMUM VALUE			13.20	13.80	127.90	8.00	18.00	18.00	27.40
MINIMUM VALUE			7.40	9.30	95.10	7.50	1.00	0.00	15.30
ARITHMETIC MEAN			10.28	11.10	112.24	7.68	6.67	9.17	20.16
GEOMETRIC MEAN			10.09	11.01	111.63	7.68	4.67	2.83	19.76
LOG/GEOMETRIC MEAN			2.31	2.40	4.72	2.04	1.54	1.04	2.98
MEDIAN			10.10	10.80	112.10	7.65	5.00	9.00	18.60
STANDARD DEV OF LOGS			0.21	0.14	0.12	0.02	0.98	3.14	0.22
STANDARD DEVIATION			2.15	1.57	13.90	0.17	4.06	6.37	4.65
VARIANCE			4.61	2.46	169.12	0.03	36.67	40.57	21.60
COEFF OF VARIATION			20.87	14.12	11.59	2.24	90.83	69.48	23.06
SUM OF VALUES			61.70	66.60	561.20	46.10	40.00	55.00	100.80
MEAN +2 STD DEV			14.58	14.23	138.25	8.03	18.78	21.91	29.46
MEAN -2 STD DEV			5.99	7.97	86.23	7.34	-5.44	-3.57	10.86
GEO MEAN +2 STD DEV			15.45	14.47	141.16	8.03	32.92	1497.44	30.75
GEO MEAN -2 STD DEV			6.59	8.38	88.27	7.35	0.66	0.01	12.30
SUM OF SQUARES			627.51	751.54	63665.26	324.35	450.00	797.00	2138.54

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14	1410		10.4	9.9	94.1		5.0	63	11.0
75/05/13	1610		15.7	9.8	104.0	7.7	15.0	14	10.7
76/05/20	1450		13.4	11.2	112.4	7.9	52.0	0	9.2
77/05/18	1515		12.7	12.6	134.0	8.2	1.0	5	21.1
78/05/19	0955		13.9	10.7	114.5	8.0	3.0	5	18.2
79/05/29	1550		19.4	10.9	125.0	8.2	15.0	5	9.0
80/05/21	1745		10.5	9.8	101.8	8.1	40.0	0	24.6
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			19.40	12.60	134.00	8.20	52.00	63.00	24.60
MINIMUM VALUE			10.40	9.80	94.10	7.70	1.00	0.00	9.00
ARITHMETIC MEAN			13.71	10.76	112.26	8.02	18.71	13.14	14.83
GEOMETRIC MEAN			13.43	10.66	111.54	8.01	9.51	1.16	13.73
LOG/GEOMETRIC MEAN			2.60	2.37	4.71	2.08	2.25	0.14	2.62
MEDIAN			13.40	10.70	112.40	8.05	15.00	5.00	11.00
STANDARD DEV OF LOGS			0.22	0.09	0.12	0.02	1.42	3.83	0.42
STANDARD DEVIATION			3.13	1.01	13.83	0.19	19.74	22.48	6.37
VARIANCE			9.79	1.03	191.23	0.04	389.57	505.14	40.59
COEFF OF VARIATION			22.82	9.47	12.32	2.42	105.47	171.01	42.96
SUM OF VALUES			96.00	74.90	785.80	48.10	131.00	92.00	103.80
MEAN +2 STD DEV			19.97	12.73	139.91	8.40	58.19	58.09	27.57
MEAN -2 STD DEV			7.46	8.67	84.60	7.63	-20.76	-31.81	2.09
GEO MEAN +2 STD DEV			20.84	12.81	142.41	8.42	164.34	2443.45	31.75
GEO MEAN -2 STD DEV			8.65	8.87	87.36	7.63	0.55	0.00	5.94
SUM OF SQUARES			1375.32	807.59	89359.06	385.79	4789.00	4240.00	1782.74

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/06/12	1345		16.4	9.5	98.5	7.2	5.0	20	4.0
75/06/12	1515		18.0	10.7	118.2	8.5	5.0	9	9.6
76/06/08	1025		11.5	9.7	94.4	7.8	4.0	5	11.0
77/06/14	1050		15.5	10.7	118.6	8.2	2.0	9	18.7
78/06/26	1435		18.4	10.2	115.8	7.8	2.0	0	13.1
79/06/19	1030		13.1	9.5	103.3	8.1	3.0	5	23.3
80/06/23	1245		11.5	10.3	104.4	8.4	5.0	0	17.5
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			18.40	10.70	118.60	8.50	5.00	20.00	23.30
MINIMUM VALUE			11.50	9.50	94.40	7.20	2.00	0.00	4.00
ARITHMETIC MEAN			14.91	10.09	107.60	8.00	3.71	6.86	13.89
GEOMETRIC MEAN			14.66	10.07	107.21	7.99	3.47	1.00	12.28
LOG/GEOMETRIC MEAN			2.69	2.31	4.67	2.08	1.24	0.00	2.51
MEDIAN			15.50	10.20	104.40	8.10	4.00	5.00	13.10
STANDARD DEV OF LOGS			0.20	0.05	0.09	0.06	0.42	3.65	0.58
STANDARD DEVIATION			2.91	0.52	9.89	0.44	1.38	6.67	6.45
VARIANCE			8.47	0.27	97.73	0.20	1.90	47.14	41.65
COEFF OF VARIATION			19.52	5.20	9.19	5.54	37.16	100.13	46.48
SUM OF VALUES			104.40	70.60	753.20	56.00	26.00	48.00	97.20
MEAN +2 STD DEV			20.74	11.13	127.37	8.89	6.47	20.59	26.79
MEAN -2 STD DEV			9.09	9.04	87.83	7.11	0.95	-6.87	0.98
GEO MEAN +2 STD DEV			21.88	11.18	128.94	8.95	8.00	1486.31	39.51
GEO MEAN -2 STD DEV			9.83	9.02	89.14	7.13	1.50	0.00	3.82
SUM OF SQUARES			1607.88	713.70	81830.70	449.18	108.00	612.00	1599.66

Table 2c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/07/15	1535		15.9	9.6	105.5	8.0	2.0	10	16.0
75/07/23	1100		17.7	11.7	135.4	8.0	10.0	18	14.1
76/07/21	0905		14.2	11.2	121.7	8.1	5.0	5	19.7
77/07/29	1213		16.4	9.3	110.0	7.8	2.0	18	24.3
78/07/10	1500		15.4	8.9	98.6	7.9	1.0	5	18.9
79/07/18	0830		21.0			7.7	80.0	9	20.0
80/07/22	1040		17.4	10.6	125.2		2.0	0	23.0
NUMBER OF SAMPLES			7	6	6	6	7	7	7
MAXIMUM VALUE			21.00	11.70	135.40	8.10	80.00	18.00	26.30
MINIMUM VALUE			14.20	8.90	98.60	7.70	1.00	0.00	16.00
ARITHMETIC MEAN			16.86	10.22	116.07	7.92	14.57	9.29	20.00
GEOMETRIC MEAN			16.74	10.17	115.39	7.92	4.40	3.23	19.72
LOG/GEOMETRIC MEAN			2.82	2.32	4.75	2.07	1.48	1.17	2.98
MEDIAN			16.40	10.10	115.85	7.95	2.00	9.00	19.70
STANDARD DEV OF LOGS			0.12	0.11	0.12	0.02	1.48	2.90	0.18
STANDARD DEVIATION			2.18	1.12	13.73	0.15	29.02	6.78	3.68
VARIANCE			4.75	1.25	188.49	0.02	841.95	45.90	13.53
COEFF OF VARIATION			12.92	10.96	11.83	1.86	199.13	72.96	18.39
SUM OF VALUES			118.00	61.30	696.40	47.50	102.00	65.00	140.00
MEAN +2 STD DEV			21.21	12.46	143.53	8.21	72.60	22.84	27.36
MEAN -2 STD DEV			12.50	7.98	88.61	7.62	-43.46	-4.26	12.64
GEO MEAN +2 STD DEV			21.48	12.65	146.23	8.22	85.14	1048.58	28.24
GEO MEAN -2 STD DEV			13.05	8.17	91.06	7.63	0.23	0.01	13.77
SUM OF SQUARES			2017.62	632.55	81771.30	376.15	6538.00	679.00	2881.20

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/08/13	0930		15.0			7.6	2.0	0	12.0
75/08/13	1505		19.0	11.2	136.5	8.0	1.0	10	23.1
76/08/25	1005		13.2	7.9	85.4	7.8	1.0	9	22.1
77/08/17	1230		20.0	9.9	124.3	8.0	1.0	5	24.9
78/08/22	1530		14.2	7.7	83.0	7.4	10.00	18	18.3
79/08/27	1515		14.4	7.5	110.4	7.8	2.0		26.2
80/08/29	1550		14.5	8.2	93.2		2.0	0	25.9
NUMBER OF SAMPLES			7	6	6	6	7	6	7
MAXIMUM VALUE			20.00	11.20	136.50	8.00	10.00	18.00	26.20
MINIMUM VALUE			13.20	7.32	83.00	7.40	1.00	0.00	12.00
ARITHMETIC MEAN			15.76	8.75	105.47	7.77	2.71	7.00	21.79
GEOMETRIC MEAN			15.58	8.65	103.61	7.76	1.87	0.77	21.15
LOG/GEOMETRIC MEAN			2.75	2.16	4.64	2.05	0.63	-0.22	3.05
MEDIAN			14.50	8.05	101.80	7.80	2.00	7.00	23.10
STANDARD DEV OF LOGS			0.16	0.16	0.21	0.03	0.82	3.92	0.28
STANDARD DEVIATION			2.63	1.47	21.91	0.23	3.25	6.87	5.10
VARIANCE			6.91	2.17	480.00	0.05	10.57	47.20	25.97
COEFF OF VARIATION			16.69	16.85	20.77	3.01	119.79	98.15	23.39
SUM OF VALUES			110.30	52.47	632.60	46.60	19.00	42.00	152.50
MEAN +2 STD DEV			21.02	11.69	149.28	8.23	9.22	20.74	31.98
MEAN -2 STD DEV			10.50	5.80	61.65	7.30	-3.79	-6.74	11.59
GEO MEAN +2 STD DEV			21.39	11.91	156.25	8.25	9.57	1945.46	36.92
GEO MEAN -2 STD DEV			11.35	6.28	68.71	7.31	0.37	0.00	12.12
SUM OF SQUARES			1779.49	469.71	69139.30	362.20	115.00	530.00	3478.17

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/09/18	1355		17.3	6.3	76.6	7.4	22.0	50	27.9
75/09/18	1040		14.8	9.8	111.1	8.2	2.0	9	24.5
76/09/17	0800		12.9	8.9	96.5	8.1	2.0	9	23.5
77/09/14	1400		14.3	7.9	89.8	7.8	1.0	28	26.6
78/09/18	1230		14.0	8.7	90.7	7.8	2.0		13.5
79/09/19	1000		15.0	9.6	109.9	8.2	3.0	5	25.5
NUMBER OF SAMPLES			6	6	6	6	6	5	6
MAXIMUM VALUE			17.30	9.80	111.10	8.20	22.00	50.00	27.90
MINIMUM VALUE			12.90	6.30	76.60	7.40	1.00	5.00	13.50
ARITHMETIC MEAN			14.72	8.54	95.77	7.92	5.33	20.20	23.58
GEOMETRIC MEAN			14.66	8.45	95.00	7.91	2.84	14.15	22.98
LOG/GEOMETRIC MEAN			2.68	2.13	4.55	2.07	1.04	2.65	3.13
MEDIAN			14.55	8.80	93.60	7.95	2.00	9.00	25.00
STANDARD DEV OF LOGS			0.10	0.16	0.14	0.04	1.06	0.94	0.27
STANDARD DEVIATION			1.47	1.38	13.15	0.31	6.19	18.91	5.18
VARIANCE			2.15	1.68	172.81	0.10	67.07	357.70	26.79
COEFF OF VARIATION			9.96	15.18	13.73	3.95	153.55	93.63	21.95
SUM OF VALUES			88.30	51.25	574.60	47.50	32.00	101.00	141.50
MEAN +2 STD DEV			17.65	11.13	122.06	8.54	21.71	58.03	33.93
MEAN -2 STD DEV			11.78	5.95	69.48	7.29	-11.05	-17.63	13.23
GEO MEAN +2 STD DEV			17.80	11.72	125.63	8.57	23.84	93.13	39.22
GEO MEAN -2 STD DEV			12.07	6.09	71.84	7.30	0.34	2.15	13.46
SUM OF SQUARES			1310.23	466.16	55891.56	376.53	506.00	3471.00	3470.97

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/10/16	1505		13.1	5.2	58.1	7.5	1.0	28	27.4
75/10/17	0940		12.0	7.4	79.8	7.8	13.0	9	26.5
76/10/22	0900		9.7	7.1	74.4	7.8	1.0	23	28.3
77/10/13	1010		11.5	6.6	70.3	7.7	2.0	18	25.3
78/10/13	0920		11.7	7.9	94.6	7.8	5.0	5	18.8
79/10/17	0950		11.5	6.2	67.4	7.7	3.0	14	28.2
80/10/07	1140		12.5	12.0	130.2	8.2	1.0	0	24.9
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			13.10	12.00	130.20	8.20	13.00	28.00	28.30
MINIMUM VALUE			9.70	5.20	58.10	7.50	1.00	0.00	18.80
ARITHMETIC MEAN			11.71	7.49	82.11	7.76	3.71	15.56	25.53
GEOMETRIC MEAN			11.67	7.27	79.53	7.75	2.35	4.48	25.42
LOG/GEOMETRIC MEAN			2.46	1.98	4.38	2.03	0.85	1.50	3.24
MEDIAN			11.70	7.10	74.40	7.70	2.00	14.00	26.50
STANDARD DEV OF LOGS			0.09	0.26	0.26	0.03	0.98	3.06	0.14
STANDARD DEVIATION			1.06	2.17	24.03	0.22	4.35	9.96	3.29
VARIANCE			1.13	4.71	577.63	0.05	18.98	99.14	10.82
COEFF OF VARIATION			9.07	28.96	29.27	2.87	117.06	71.56	12.88
SUM OF VALUES			82.00	52.45	574.80	54.30	26.00	97.00	179.40
MEAN +2 STD DEV			13.84	11.83	130.18	8.20	12.41	33.77	32.21
MEAN -2 STD DEV			9.59	3.15	34.05	7.31	-4.98	-6.06	19.05
GEO MEAN +2 STD DEV			14.10	12.20	134.90	8.21	16.67	2020.92	33.78
GEO MEAN -2 STD DEV			9.66	4.13	46.89	7.33	0.33	0.01	19.13
SUM OF SQUARES			967.34	421.24	50463.06	421.51	210.00	1939.00	4662.68

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/11/14	1210		9.9	7.4	72.7	7.4	4.0	5	18.0
75/11/20	2255		6.0	12.2	107.7	8.4	4.0	0	15.4
76/11/24	0050		7.8	6.2	59.8	7.0	3.0	28	22.3
77/11/09	0735		10.3	4.4	48.9	7.9	2.0	5	20.7
79/11/16	0800		8.5	4.6	46.6	7.5	2.0	50	27.2
NUMBER OF SAMPLES			5	5	5	5	5	5	5
MAXIMUM VALUE			10.20	12.20	107.70	8.40	4.00	50.00	30.70
MINIMUM VALUE			6.00	4.61	46.60	7.00	2.00	0.00	15.40
ARITHMETIC MEAN			8.48	7.36	71.14	7.64	3.00	17.60	22.72
GEOMETRIC MEAN			8.33	6.96	66.96	7.63	2.86	2.81	22.01
LOG/GEOMETRIC MEAN			2.12	1.94	4.23	2.03	1.05	1.03	3.09
MEDIAN			8.50	6.40	68.90	7.50	3.00	5.00	22.30
STANDARD DEV OF LOGS			0.21	0.36	0.31	0.07	0.35	3.69	0.28
STANDARD DEVIATION			1.70	2.88	22.28	0.53	1.00	21.15	6.32
VARIANCE			2.90	8.31	516.72	0.28	1.00	446.30	39.95
COEFF OF VARIATION			20.07	39.17	32.02	6.96	33.33	120.03	27.82
SUM OF VALUES			42.40	36.81	355.70	38.20	15.00	88.00	113.60
MEAN +2 STD DEV			11.88	13.13	116.69	8.70	5.00	59.85	35.36
MEAN -2 STD DEV			5.08	1.60	25.59	6.58	1.00	-24.65	10.08
GEO MEAN +2 STD DEV			12.78	14.24	126.31	8.76	5.74	4468.66	38.87
GEO MEAN -2 STD DEV			5.43	3.42	37.10	6.64	1.43	0.00	12.46
SUM OF SQUARES			371.14	304.25	27379.39	292.98	49.00	3334.00	2740.78

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/12/18	1575		8.4	9.0	90.0		2.0	35	25.7
75/12/17	2350		4.4	8.9	75.4	7.8	18.0	5	15.2
76/12/15	1935		7.9	7.5	74.8	7.7	4.0	9	27.0
77/12/29	2049		5.1	10.4	87.7	7.2	4.0	14	31.8
78/12/18	2340		7.1	8.6	85.3	7.9	3.0	5	28.7
79/12/12	1920		7.0	9.2	87.3	7.6	3.0	9	22.6
80/12/15	1850		6.5	9.1	84.4	7.6	4.0	9	21.0
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			8.40	10.40	90.00	7.90	18.00	35.00	28.70
MINIMUM VALUE			4.40	7.50	74.80	7.20	2.00	5.00	11.80
ARITHMETIC MEAN			6.83	8.96	83.56	7.63	5.43	12.29	21.71
GEOMETRIC MEAN			6.48	8.92	83.16	7.63	4.14	9.84	20.82
LOG/GEOMETRIC MEAN			1.87	2.19	4.42	2.03	1.42	2.29	3.04
MEDIAN			7.00	9.00	85.30	7.65	4.00	9.00	22.60
STANDARD DEV OF LOGS			0.23	0.10	0.07	0.03	0.70	0.67	0.33
STANDARD DEVIATION			1.44	0.86	6.05	0.24	5.59	10.47	6.25
VARIANCE			2.07	0.74	36.61	0.06	31.29	109.57	39.11
COEFF OF VARIATION			21.72	9.58	7.24	3.17	103.04	85.20	28.80
SUM OF VALUES			46.40	62.71	584.90	45.80	38.00	86.00	152.00
MEAN +2 STD DEV			9.51	10.68	95.66	8.12	16.62	33.22	34.22
MEAN -2 STD DEV			3.75	7.24	71.46	7.15	-5.76	-8.65	9.21
GEO MEAN +2 STD DEV			10.35	10.83	96.71	8.14	16.62	37.41	40.07
GEO MEAN -2 STD DEV			4.06	7.35	71.86	7.15	1.03	2.59	10.82
SUM OF SQUARES			320.00	566.21	49092.23	349.90	394.00	1714.00	3535.22

Table 3a.
EC8103 ECOBAM AT PIGEON CREEK NO. 2

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/14	1120		9.7	10.4		3.0	20	24.0	105.8	1.684	576750	32612	609360
74/06/12	1305		13.7	10.6	7.5	7.0	13	3.0	103.3	1.624	583790	40695	624490
74/07/15	1620		15.3	10.0	8.0	3.0	5	17.0	109.3	1.316	552340	51662	604000
74/08/13	1025		15.0		7.8	3.0	0	15.0		0.583	520930	34069	555000
74/09/18	1215		15.4	8.7	7.5	2.0	28	28.5	102.3	1.044	656580	37866	694450
74/10/16	1440		13.3	9.1	7.7	1.0	28	27.1	101.8	1.472	889280	39980	929260
74/11/14	0940		9.9	7.1	7.3	3.0	30	20.8	71.0	1.470	533400	37610	571010
74/12/18	1230		7.8	8.6		2.0	18	26.7	85.5	0.000	524490	38149	562640
75/01/15	1400		4.9	10.9	7.5	4.0	20	16.5	94.4	1.746	583710	40396	624100
75/02/19	1700		14.1	8.9	7.5	52.0	35	18.5	95.8	1.900	497630	31126	528760
75/03/19	1405		9.1	10.2	7.7	3.0	14	26.7	104.3	2.183	537120	30281	567400
75/04/22	1150		6.8	9.5	7.6	1.0	9	28.8	93.7	1.418	444710	28176	472890
75/05/13	1430		13.6	10.2	7.8	26.0	18	10.9	103.8	1.234	258730	25880	284610
75/06/12	1315		19.0	13.4	8.4	4.0	9	14.8	155.5	2.511	158040	31847	189890
75/07/23	1200		18.5	10.9	8.0	3.0	18	15.8	126.0	1.822	81462	24682	10614
75/08/13	1607		18.8	12.7		1.0	8	25.1	156.1	0.673	300060	30855	330920
75/09/18	1135		16.5	11.6	8.2	3.0	9	18.7	131.2	0.635	258260	30351	288610
75/10/17	1025		12.0	8.6	7.8	7.0	9	28.4	94.5	0.551	330620	31824	362450
75/11/20	2400		5.0	13.0	7.6	22.0	0	14.4	111.2	0.860	52343	23060	75403
75/12/17	2230		4.5	10.8	7.6	4.0	5	12.3	90.0	1.602	309060	34008	343070
76/01/22	1255		6.7	9.8	7.8	29.0	0	19.7	90.5	0.611	257980	37931	295910
76/02/18	1405		7.0	8.0	7.8	5.0	3	23.4	76.3	0.722	350680	36370	387050
76/03/17	1240		7.7	10.2	7.7	4.0	5	26.2	100.8	2.451	290100	24330	314430
76/04/15	1235		7.1	13.9	7.8	4.0	9	15.5	126.0	2.227	299130	43345	342470
76/05/20	1405		13.0	13.3	8.4	6.0	5	22.0	143.1	1.557	232080	38852	270940
76/06/08	1140		12.9	10.0	8.1	6.0	9	14.6	102.5	1.078	307740	34301	342040
76/07/21	1050		15.1	13.5	8.2	6.0	5	25.3	154.7	1.447	247320	44970	292290
76/08/25	1110		13.2	8.1	7.9	1.0	5	21.9	87.4	1.713	329740	37782	367520
76/09/17	0825		13.3	9.8	7.8	4.0	14	24.8	108.0	1.387	271720	38857	310580
76/10/22	0930		9.9	8.6	7.8	3.0	14	27.8	90.1	0.000	347530	34650	382180
76/11/24	0200		7.9	6.4	6.8	2.0	36	24.0	62.6	0.450	248280	36417	284700
76/12/15	2015		8.0	7.6	6.9	2.0	5	27.3	76.2	1.833	231890	38167	270050
77/01/13	1510		6.6	7.0	7.4	2.0	23	26.0	67.4		202780	40523	243310
77/02/25	1525		8.8	8.0	7.1	1.0	14	24.1	79.8	2.264	148870	35414	184280
77/03/23	1355		8.3	8.8	7.4	1.0	9	28.3	89.4	1.765	273810	39883	313690
77/04/28	0915		11.7	9.6	7.6	4.0	18	10.1	93.4	0.280	256750	37174	293920
77/05/18	1550		12.4	12.4	8.1	2.0	9	24.2	133.7	1.646	262530	42365	304890
77/06/14	1145		14.9	10.2	8.3	3.0	14	16.3	110.1	1.563	307880	44010	351890
77/07/20	1400		18.9	9.6	8.1	4.0	14	25.9	118.8	0.764	302040	44978	347020
77/08/17	1400		22.1	11.2	8.1	1.0K	14	25.9	147.2	1.160	323610	55518	379130
77/09/14	1500		13.9	9.2	7.8	1.0	23	24.9	102.7	1.263	245870	42412	288280
77/10/13	1135		11.6	7.0	7.7	1.0	18	24.5	74.4	0.000	219620	24391	244010
77/11/09	0900		9.9	7.1	7.9	2.0	9	29.9	75.5	1.951	242350	48725	291070
77/12/20	2125		5.7	10.4	7.4	4.0	9	14.6	90.7	1.654	226900	42364	269260
78/01/30	1350		5.6	10.2	7.4	2.0	9	17.4	90.4	0.000	209700	36870	246570
78/02/15	1455		7.0	9.9	7.4	4.0	5	23.8	94.7	0.000	224410	42553	266960
78/03/30	1810		8.8	10.7	7.7	3.0	5	17.1	101.9	2.156	194140	38787	232920
78/04/12	1425		11.7	10.4	7.5	3.0	5			1.706	238680	42422	281100
78/05/19	1055		13.7	12.0	8.2	4.0	14	17.2	127.1	1.316	216760	42912	259670
78/06/26	1345		18.0	9.8	7.8	3.0	0	13.4	110.6	1.770	253790	35962	289750
78/07/10	1400		15.3	10.5	8.3	2.0	0	22.9	119.0	2.634	217250	17512	234760
78/08/22	1615		14.8	8.2	7.4	10.0K	14	17.3	88.9	1.581	124100	35009	159110
78/09/18	1400		15.6	9.4	8.0	1.0		12.4	100.6	0.084	5600	0	5600
78/10/13	1010		12.0	8.4	7.9	3.0	5	18.7	86.7	1.821	0	0	0
78/12/18	0015		7.1	8.8	7.9	3.0	5	28.4	87.1	2.147	0	0	0
79/01/31	1400		6.1	10.4	7.9	5.0	5K	27.4	99.9	1.000	0	0	0
79/02/27	1111		6.5	9.9	7.7	4.0	5	23.2	93.2	2.522	156750	49829	206580
79/03/27	1030		7.3	9.5	7.7		5	21.0	90.0		170820	39925	210740
79/04/10	1025		8.7	11.5	8.0	1.0	9	21.6	112.6	1.751	243440	40224	283670
79/05/29	1515		9.0	1.0	8.4	34.0	5	20.0	128.0	1.773	133290	40529	173820
79/06/19	1055		12.5	9.6	8.0	6.0	5	20.6	101.3	2.258	95859	33531	129390
79/07/18	0920		19.0		8.2	3.0	14	21.0		1.650	157750	32673	190420
79/08/27	1405		17.6	7.5	7.9	2.0	14	26.2	90.7	1.979	169540	34268	203810
79/09/19	1100		15.4	10.1	8.2	4.0	5K	26.0	116.9	2.121	173840	40150	213990
79/10/17	0845		11.3	6.2	7.7	2.0	14	28.5	67.2	1.357	132340	40735	173080
79/11/16	0915		11.3	6.2	7.6	2.0	18	25.5	65.9	0.863	158890	41322	200220
79/12/12	2020		7.0	9.2	7.5	2.0	14	21.8	86.8	2.422	196450	26152	222610
80/01/24	1650		6.1	9.5	7.9	4.0	5K	20.8	87.2	1.761	4643	10525	15168
80/02/21	1630		7.6	9.1	7.6	9.0	5	23.7	88.2	2.222	5027	16510	21537
80/03/17	1245		8.1	10.1	7.7	1.0	0	27.4	101.5	0.811	3289	9653	12942
80/04/21	1620		8.9	11.1	7.6	5.0	0	14.3	104.1	2.350	2950	6864	9814
80/05/21	1710		11.0	11.0	8.4	4.0	0	23.4	114.6	1.681	3090	4983	8073
80/06/23	1130		14.7	11.4	8.5	2.0	0	19.1	124.7	1.683	3325	7119	10444
80/07/22	0945		16.7	10.3		2.0	0	22.1	119.4	2.163	3889	6199	10088
80/08/29	1455		15.4	9.0		2.0	0	23.7	102.7	1.094	4340	7126	11466
80/10/07	1225		11.8	10.3	8.5	1.0	5	25.7	110.7	0.956	2767	11048	13815
80/11/20	2210		6.2	8.9	7.7	3.0	9	24.8	84.1	1.818	4398	7128	11526
80/12/15	1740		6.8	9.6	7.7	2.0	0	20.9	89.6	2.558	2491	4533	7024
81/02/10	1430		7.3	8.3	7.7	4.0	0	27.5	82.0	2.299	6303	8418	14724
81/03/13	1606		9.7	10.1	7.6		4	17.7	98.6	2.206	12573	7265	19838

Table 3b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14	1120		9.7	10.4	105.8		3.0	20	24.0
74/06/12	1305		13.7	10.6	103.3	7.5	7.0	13	3.0
74/07/15	1620		15.3	10.0	109.3	8.0	3.0	5	17.0
74/08/13	1025		15.0			7.8	3.0	0	15.0
74/09/18	1215		15.4	8.7	102.3	7.5	2.0	28	28.5
74/10/16	1440		13.3	9.1	101.8	7.7	1.0	28	27.1
74/11/14	0940		9.9	7.1	71.0	7.3	3.0	30	28.8
74/12/18	1230		7.8	8.6	85.5		2.0	18	26.7
NUMBER OF SAMPLES			8	7	7	6	8	8	8
MAXIMUM VALUE			15.40	10.60	109.30	8.00	7.00	30.00	28.50
MINIMUM VALUE			7.80	7.10	71.80	7.30	1.00	0.00	3.00
ARITHMETIC MEAN			12.51	9.21	97.06	7.63	3.00	17.75	20.26
GEOMETRIC MEAN			12.17	9.14	96.07	7.63	2.63	6.38	17.24
LOG/GEOMETRIC MEAN			2.50	2.21	4.57	2.03	0.97	1.85	2.85
MEDIAN			13.50	9.10	102.30	7.60	3.00	19.00	22.40
STANDARD DEV OF LOGS			0.26	0.14	0.13	0.03	0.35	2.95	0.24
STANDARD DEVIATION			2.96	1.23	13.71	0.25	1.77	11.12	8.51
VARIANCE			8.75	1.51	187.97	0.06	3.14	123.64	72.38
COEFF OF VARIATION			23.64	13.34	14.13	3.28	59.09	62.64	41.99
SUM OF VALUES			100.10	64.50	679.00	45.80	24.00	142.00	162.10
MEAN +2 STD DEV			18.43	11.67	124.42	8.13	6.55	39.99	37.28
MEAN -2 STD DEV			6.60	6.76	69.58	7.13	-0.55	-6.49	3.25
GEO MEAN +2 STD DEV			20.39	12.08	138.90	8.15	7.88	2326.10	76.37
GEO MEAN -2 STD DEV			7.27	6.92	70.51	7.15	0.88	0.02	3.70
SUM OF SQUARES			1313.77	603.39	66998.80	349.92	94.00	3366.00	3791.19

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15	1400		4.9	10.9	94.4	7.5	4.0	20	16.5
75/02/19	1700		14.1	8.9	95.6	7.5	52.0	35	18.5
75/03/19	1405		9.1	10.2	104.3	7.7	3.0	14	26.7
75/04/22	1150		6.8	9.5	93.7	7.6	1.0	9	28.8
75/05/13	1430		13.6	10.2	103.8	7.8	26.0	18	10.9
75/06/12	1315		19.0	13.4	155.5	8.4	4.0	9	14.8
75/07/23	1200		18.5	10.9	126.0	8.0	3.0	18	15.8
75/08/13	1607		18.8	12.7	156.1		1.0	8	25.1
75/09/18	1135		16.5	11.6	131.2	8.2	3.0	9	18.7
75/10/17	1025		13.0	8.4	94.5	7.8	3.0	9	28.4
75/11/20	2400		5.0	13.0	111.2	7.6	22.0	0	14.4
75/12/17	2230		4.5	10.8	90.0	7.6	4.0	5	12.3
NUMBER OF SAMPLES			12	12	12	11	12	12	12
MAXIMUM VALUE			19.00	13.40	156.10	8.40	52.00	35.00	28.80
MINIMUM VALUE			4.50	8.60	90.00	7.50	1.00	0.00	10.90
ARITHMETIC MEAN			11.90	10.87	113.04	7.77	10.83	12.83	17.24
GEOMETRIC MEAN			10.46	10.79	110.76	7.79	5.16	6.33	18.30
LOG/GEOMETRIC MEAN			2.35	2.38	4.71	2.05	1.64	1.85	2.91
MEDIAN			12.80	10.85	104.05	7.70	4.00	9.00	17.50
STANDARD DEV OF LOGS			0.56	0.14	0.20	0.04	1.23	2.31	0.13
STANDARD DEVIATION			5.69	1.56	23.77	0.29	15.32	9.07	4.17
VARIANCE			32.34	2.42	564.84	0.09	234.78	82.33	40.56
COEFF OF VARIATION			47.79	14.29	21.02	3.78	141.41	70.70	13.10
SUM OF VALUES			142.80	130.70	1356.50	85.70	130.00	154.00	230.90
MEAN +2 STD DEV			23.27	14.00	160.57	8.38	41.47	30.96	31.98
MEAN -2 STD DEV			0.53	7.78	65.51	7.20	-19.81	-5.31	4.50
GEO MEAN +2 STD DEV			32.03	14.36	164.68	8.39	60.31	643.49	35.46
GEO MEAN -2 STD DEV			3.41	8.11	74.76	7.23	0.44	0.06	9.45
SUM OF SQUARES			2055.02	1450.17	159554.21	468.55	3990.00	2882.00	4689.23

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
76/01/22	1255		6.7	9.8	90.5	7.6	29.0	6	19.2
76/02/18	1405		7.8	8.0	76.3	7.8	5.0	3	23.4
76/03/17	1240		7.7	10.2	100.8	7.7	4.0	5	26.2
76/04/15	1235		7.1	13.9	126.0	7.8	4.0	9	15.5
76/05/20	1405		13.0	12.2	143.1	8.4	4.0	5	22.0
76/06/08	1140		12.9	10.0	102.5	8.1	6.0	9	14.6
76/07/21	1050		15.1	13.5	154.7	8.2	6.0	5	25.3
76/08/25	1110		13.2	8.1	87.4	7.9	1.0	5	21.9
76/09/17	0825		13.3	9.8	108.0	7.8	4.0	14	24.8
76/10/22	0930		9.9	6.6	90.1	7.8	3.0	14	27.8
76/11/24	0200		7.9	6.4	62.6	6.8	2.0	16	24.0
76/12/15	2015		8.0	7.6	76.2	6.9	2.0	5	27.3
NUMBER OF SAMPLES			12	12	12	12	12	12	12
MAXIMUM VALUE			15.10	13.90	154.70	8.40	29.00	16.00	27.80
MINIMUM VALUE			6.70	6.40	62.60	6.80	1.00	0.00	14.60
ARITHMETIC MEAN			10.15	9.93	101.52	7.75	6.00	9.17	22.71
GEOMETRIC MEAN			9.77	9.66	98.23	7.74	4.12	4.16	22.29
LOG/GEOMETRIC MEAN			2.27	2.27	4.59	2.05	1.42	1.43	3.10
MEDIAN			8.95	9.80	95.65	7.80	4.00	5.00	23.70
STANDARD DEV OF LOGS			0.31	0.24	0.27	0.06	0.82	2.22	0.21
STANDARD DEVIATION			3.11	2.46	27.70	0.47	7.43	9.42	4.27
VARIANCE			9.66	6.06	767.54	0.22	55.27	88.76	18.21
COEFF OF VARIATION			30.63	24.79	27.29	6.04	123.91	102.74	18.79
SUM OF VALUES			121.80	119.20	1218.20	93.00	72.00	110.00	272.50
MEAN +2 STD DEV			16.37	14.86	156.93	8.69	20.87	28.00	31.24
MEAN -2 STD DEV			3.93	5.01	46.11	6.81	-8.87	-9.67	14.17
GEO MEAN +2 STD DEV			17.93	15.76	167.34	8.76	21.31	353.89	33.82
GEO MEAN -2 STD DEV			5.27	5.92	57.86	6.83	0.80	0.05	14.69
SUM OF SQUARES			1342.56	1250.76	132110.50	723.16	1040.00	1904.00	6368.37

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
77/01/13	1510		4.6	7.6	67.4	7.4	3.0	23	24.8
77/02/25	1525		8.8	8.0	79.8	7.1	1.0	14	24.1
77/03/23	1355		8.3	8.8	89.4	7.4	1.0	9	28.3
77/04/28	0915		11.7	9.6	93.4	7.6	4.0	18	10.1
77/05/18	1550		12.4	12.4	133.7	8.1	2.0	9	24.2
77/06/14	1145		14.9	10.2	110.1	8.3	3.0	14	16.3
77/07/20	1400		18.9	9.6	118.8	8.1	4.0	14	25.9
77/08/17	1400		22.1	11.2	147.2	8.1	1.0E	14	25.9
77/09/14	1500		13.9	9.2	102.7	7.8	1.0	23	24.9
77/10/13	1135		11.6	7.9	74.4	7.7	1.0	18	24.5
77/11/09	0900		9.9	7.1	75.5	7.9	2.0	9	29.9
77/12/20	2125		5.7	10.4	90.7	7.4	4.0	9	14.6
NUMBER OF SAMPLES			12	12	12	12	12	12	12
MAXIMUM VALUE			22.10	12.40	147.20	8.30	4.00	23.00	29.90
MINIMUM VALUE			5.70	7.00	67.40	7.10	1.00	9.00	10.10
ARITHMETIC MEAN			12.07	9.21	98.59	7.74	2.17	14.50	22.89
GEOMETRIC MEAN			11.22	9.06	95.90	7.73	1.84	13.69	21.97
LOG/GEOMETRIC MEAN			2.42	2.20	4.56	2.05	0.61	2.62	3.09
MEDIAN			11.65	9.40	92.85	7.75	2.00	14.00	24.70
STANDARD DEV OF LOGS			0.40	0.19	0.24	0.05	0.60	0.36	0.32
STANDARD DEVIATION			4.85	1.72	24.81	0.37	1.27	5.34	5.97
VARIANCE			23.56	2.97	615.57	0.14	1.61	28.45	35.61
COEFF OF VARIATION			40.23	18.72	25.17	4.78	58.49	35.47	26.07
SUM OF VALUES			144.80	110.50	1183.10	92.90	26.00	174.00	274.70
MEAN +2 STD DEV			21.77	12.66	148.21	8.48	4.70	24.79	34.83
MEAN -2 STD DEV			2.36	5.76	48.97	7.00	-0.37	4.21	10.96
GEO MEAN +2 STD DEV			25.05	13.22	156.04	8.51	6.69	37.09	41.90
GEO MEAN -2 STD DEV			5.02	6.21	58.93	7.02	0.56	6.72	11.51
SUM OF SQUARES			2006.44	1050.21	123415.09	720.71	74.00	2814.00	6680.09

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
78/01/30	1350		5.6	10.2	90.4	7.4	2.0	9	17.4
78/02/15	1455		7.0	9.9	94.7	7.4	4.0	5	23.8
78/03/30	1810		8.6	10.7	101.9	7.7	3.0	5	17.1
78/04/12	1425		11.7	10.4		7.5	3.0	5	
78/05/19	1055		13.7	12.0	127.1	8.2	4.0	14	17.2
78/06/26	1345		18.0	9.8	110.6	7.8	3.0	0	13.4
78/07/10	1400		15.3	10.5	119.0	8.3	2.0	0	22.9
78/08/22	1615		14.8	8.2	88.9	7.4	10.0E	14	17.3
78/09/18	1400		15.6	9.4	100.6	8.0	1.0		12.4
78/10/13	1010		12.0	8.4	86.7	7.9	3.0	5	18.7
78/12/18	0015		7.1	8.8	87.1	7.9	3.0	5	28.4
NUMBER OF SAMPLES			11	11	10	11	11	10	10
MAXIMUM VALUE			18.00	12.00	127.10	8.30	10.00	14.00	28.40
MINIMUM VALUE			5.60	8.20	86.70	7.40	1.00	0.00	12.40
ARITHMETIC MEAN			11.78	9.85	100.70	7.77	3.45	6.20	18.86
GEOMETRIC MEAN			11.05	9.79	99.85	7.77	2.96	1.64	18.32
LOG/GEOMETRIC MEAN			2.40	2.28	4.60	2.05	1.09	0.49	2.91
MEDIAN			12.00	9.90	97.65	7.80	3.00	5.00	17.35
STANDARD DEV OF LOGS			0.39	0.11	0.14	0.04	0.56	3.08	0.25
STANDARD DEVIATION			4.13	1.11	14.12	0.32	2.34	4.87	4.87
VARIANCE			17.04	1.23	199.29	0.10	5.47	23.73	23.75
COEFF OF VARIATION			35.03	11.28	14.02	4.15	67.72	78.58	25.84
SUM OF VALUES			129.60	108.30	1007.00	85.50	38.00	62.00	188.60
MEAN +2 STD DEV			20.04	12.07	128.93	8.42	8.13	15.94	28.41
MEAN -2 STD DEV			3.53	7.62	72.47	7.13	-1.22	-3.54	9.11
GEO MEAN +2 STD DEV			24.11	12.27	130.88	8.44	9.11	777.14	30.38
GEO MEAN -2 STD DEV			5.06	7.81	76.18	7.15	0.97	0.00	11.05
SUM OF SQUARES			1697.28	1078.59	103198.50	665.61	186.00	598.00	3770.72

Table 3b, continued.

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDIMETER NTU	00760 SUL FDE mg/l	70305 SALINITY CONDUCTIVY g/l
79/01/31	1400		6.1	10.4	99.9	7.9	5.0	SE	27.4
79/02/27	1111		6.5	9.9	93.2	7.7	4.0	S	23.2
79/03/27	1030		7.3	9.5	90.0	7.7		S	21.0
79/04/10	1025		8.7	11.5	112.6	8.0	1.0	9	21.6
79/05/29	1515		9.8	1.0	128.0	8.4	34.0	S	20.0
79/06/19	1055		12.5	9.6	101.3	8.0	6.0	S	20.6
79/07/18	0920		19.0			8.2	3.0	14	21.0
79/08/27	1405		17.6	7.5	98.7	7.9	2.0	14	26.2
79/09/19	1100		13.4	10.1	110.9	8.2	4.0	SE	26.0
79/10/17	0845		11.3	6.2	67.2	7.7	2.0	14	28.5
79/11/16	0915		11.3	6.2	65.9	7.6	2.0	18	25.5
79/12/12	2020		7.0	9.2	86.8	7.5	2.0	14	21.8
NUMBER OF SAMPLES			12	11	11	12	11	12	12
MAXIMUM VALUE			19.00	11.50	128.00	8.40	34.00	18.00	28.50
MINIMUM VALUE			6.10	1.00	65.90	7.50	1.00	5.00	20.00
ARITHMETIC MEAN			10.98	8.30	95.68	7.90	5.91	9.42	23.57
GEOMETRIC MEAN			10.22	7.26	93.87	7.90	3.43	8.23	23.40
LOG/GEOMETRIC MEAN			2.32	1.98	4.54	2.07	1.23	2.11	3.15
MEDIAN			10.15	9.50	93.20	7.90	3.00	7.00	22.50
STANDARD DEV OF LOGS			0.39	0.69	0.21	0.03	0.92	0.54	0.12
STANDARD DEVIATION			4.40	2.95	19.16	0.27	9.44	5.08	2.98
VARIANCE			19.33	8.69	367.06	0.07	89.09	24.89	8.86
COEFF OF VARIATION			40.06	35.51	20.02	3.46	159.73	53.89	12.63
SUM OF VALUES			131.70	91.30	1052.50	94.80	65.00	113.00	282.80
MEAN +2 STD DEV			19.77	14.20	134.00	8.45	24.79	19.42	29.52
MEAN -2 STD DEV			2.18	2.40	57.36	7.35	-12.97	-0.58	17.61
GEO MEAN +2 STD DEV			22.33	28.76	142.33	8.46	21.62	24.18	30.02
GEO MEAN -2 STD DEV			4.64	1.83	61.91	7.37	0.55	2.76	18.24
SUM OF SQUARES			1657.99	844.67	104375.69	749.74	1275.00	1339.00	6762.18

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDIMETER NTU	00760 SUL FDE mg/l	70305 SALINITY CONDUCTIVY g/l
80/01/24	1650		6.1	9.5	87.2	7.9	4.0	SE	20.8
80/02/21	1630		7.6	9.1	88.2	7.6	9.0	S	23.7
80/03/17	1245		4.1	10.1	101.5	7.7	1.0	0	27.4
80/04/21	1620		8.9	11.1	104.1	7.6	5.0	0	14.3
80/05/21	1710		11.0	11.0	114.6	8.4	4.0	0	23.4
80/06/23	1130		14.7	11.4	124.7	8.5	2.0	0	19.1
80/07/22	0945		16.7	10.3	119.4		2.0	0	22.1
80/08/29	1455		15.4	9.0	102.7		2.0	0	23.7
80/10/07	1225		11.8	10.3	110.7	8.5	1.0	5	25.7
80/11/20	2210		6.2	8.9	84.1	7.7	3.0	9	24.8
80/12/15	1740		6.8	9.6	89.6	7.7	2.0	0	28.9
NUMBER OF SAMPLES			11	11	11	9	11	11	11
MAXIMUM VALUE			16.70	11.40	124.70	8.50	9.00	9.00	27.40
MINIMUM VALUE			6.10	8.90	84.10	7.60	1.00	0.00	14.30
ARITHMETIC MEAN			10.30	10.03	102.44	7.96	3.18	2.18	22.35
GEOMETRIC MEAN			9.67	9.99	101.58	7.95	2.59	0.06	22.06
LOG/GEOMETRIC MEAN			2.27	2.30	4.62	2.07	0.95	-2.73	3.09
MEDIAN			8.90	10.10	102.70	7.70	2.00	0.00	23.40
STANDARD DEV OF LOGS			0.37	0.07	0.14	0.03	0.47	3.56	0.14
STANDARD DEVIATION			3.87	0.88	13.93	0.39	2.32	3.22	3.57
VARIANCE			14.99	0.78	193.92	0.16	5.36	10.36	12.74
COEFF OF VARIATION			37.58	8.80	13.59	4.95	72.79	147.55	15.97
SUM OF VALUES.			113.30	110.30	1126.80	71.60	35.00	24.00	245.90
MEAN +2 STD DEV			18.84	11.79	130.29	8.74	7.81	8.62	29.49
MEAN -2 STD DEV			2.56	8.26	74.59	7.17	-1.45	-4.26	15.22
GEO MEAN +2 STD DEV			20.31	11.91	133.38	8.76	9.84	80.93	31.42
GEO MEAN -2 STD DEV			4.60	8.39	77.36	7.21	0.68	0.00	15.49
SUM OF SQUARES			1316.85	1113.79	117364.50	570.86	165.00	156.00	5624.39

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIDIMETER NTU	00760 SUL FDE mg/l	70305 SALINITY CONDUCTIVY g/l
81/02/10	1430		7.3	8.3	82.0	7.7	4.0	0	27.5
81/03/13	1406		9.7	10.1	98.6	7.6		4	17.7
NUMBER OF SAMPLES			2	2	2	2	1	2	2
MAXIMUM VALUE			9.70	10.10	98.60	7.70	4.00	4.00	27.50
MINIMUM VALUE			7.30	8.30	82.00	7.60	4.00	0.00	17.70
ARITHMETIC MEAN			8.50	9.20	90.30	7.65		2.00	22.60
GEOMETRIC MEAN			8.41	9.16	89.92	7.65		0.14	22.06
LOG/GEOMETRIC MEAN			2.13	2.21	4.50	2.03		-1.96	3.09
MEDIAN			8.50	9.20	90.30	7.65		2.00	22.60
STANDARD DEV OF LOGS			0.20	0.14	0.13	0.01		4.73	0.31
STANDARD DEVIATION			1.70	1.27	11.74	0.07		2.83	6.93
VARIANCE			2.88	1.62	137.78	0.00		8.00	48.02
COEFF OF VARIATION			19.97	13.83	13.00	0.92		141.42	30.66
SUM OF VALUES			17.00	18.40	180.60	15.30		4.00	45.20
MEAN +2 STD DEV			11.89	11.75	113.78	7.79		7.66	36.46
MEAN -2 STD DEV			5.11	6.65	66.82	7.51		-3.66	8.74
GEO MEAN +2 STD DEV			12.58	12.09	116.70	7.79		1806.75	41.14
GEO MEAN -2 STD DEV			5.63	6.94	69.28	7.51		0.00	11.83
SUM OF SQUARES			147.38	170.90	16445.96	117.05		16.00	1069.54

Table 3c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15 1400			4.9	10.9	94.4	7.5	4.0	20	16.5
76/01/22 1255			6.7	9.8	90.5	7.8	29.0	0	19.7
77/01/13 1510			6.6	7.0	67.4	7.4	2.0	23	26.0
78/01/30 1350			5.6	10.2	90.4	7.4	2.0	9	17.4
79/01/31 1400			6.1	10.4	99.9	7.9	5.0	SE	27.4
80/01/24 1650			6.1	9.5	87.2	7.9	4.0	SE	20.8
NUMBER OF SAMPLES			6	6	6	6	6	6	6
MAXIMUM VALUE			6.70	10.90	99.90	7.90	29.00	23.00	27.40
MINIMUM VALUE			4.90	7.00	67.40	7.40	2.00	0.00	16.50
ARITHMETIC MEAN			6.00	9.63	88.30	7.63	7.67	10.33	21.30
GEOMETRIC MEAN			5.97	9.54	87.65	7.65	4.58	2.83	20.92
LOG/GEOMETRIC MEAN			1.79	2.26	4.47	2.03	1.52	1.04	3.04
MEDIAN			6.10	10.00	90.45	7.65	4.00	7.00	20.25
STANDARD DEV OF LOGS			0.12	0.16	0.14	0.03	0.98	3.18	0.21
STANDARD DEVIATION			0.67	1.38	11.13	0.24	10.52	9.16	4.48
VARIANCE			0.45	1.90	123.81	0.06	110.67	83.87	20.07
COEFF OF VARIATION			11.16	14.30	12.60	3.18	137.22	88.42	21.03
SUM OF VALUES			36.00	57.80	529.80	45.90	46.00	62.00	127.80
MEAN +2 STD DEV			7.34	12.39	110.55	8.14	28.71	28.65	30.24
MEAN -2 STD DEV			4.66	6.88	66.05	7.16	-13.37	-7.98	12.34
GEO MEAN +2 STD DEV			7.53	13.11	115.24	8.15	32.69	1621.62	31.64
GEO MEAN -2 STD DEV			4.73	6.94	66.46	7.18	0.64	0.00	13.83
SUM OF SQUARES			218.24	566.38	47400.38	351.43	906.00	1060.00	2822.50

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/02/19 1700			14.1	8.9	95.8	7.5	52.0	35	18.5
76/02/18 1405			7.0	8.0	76.3	7.8	5.0	3	23.4
77/02/25 1525			8.8	8.0	79.8	7.1	1.0	14	24.1
78/02/15 1455			7.0	9.9	94.7	7.4	4.0	5	23.8
79/02/27 1111			6.5	9.9	93.2	7.7	4.0	5	23.2
80/02/21 1630			7.6	9.1	88.2	7.6	9.0	5	23.7
81/02/10 1430			7.3	8.3	82.0	7.7	4.0	0	27.5
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			14.10	9.90	95.80	7.80	52.00	35.00	27.50
MINIMUM VALUE			6.50	8.00	76.30	7.10	1.00	0.00	18.50
ARITHMETIC MEAN			8.33	8.87	87.14	7.54	11.29	9.57	23.46
GEOMETRIC MEAN			8.05	8.84	86.84	7.54	5.49	2.65	23.32
LOG/GEOMETRIC MEAN			2.09	2.18	4.46	2.02	1.70	0.97	3.15
MEDIAN			7.30	8.90	88.20	7.60	4.00	5.00	23.70
STANDARD DEV OF LOGS			0.26	0.09	0.09	0.03	1.19	2.69	0.12
STANDARD DEVIATION			2.65	0.87	7.81	0.34	18.11	17.00	2.68
VARIANCE			7.00	0.67	61.30	0.06	327.90	143.95	6.93
COEFF OF VARIATION			31.77	9.22	8.98	3.14	160.45	125.35	11.22
SUM OF VALUES			58.30	62.10	610.00	52.80	79.00	67.00	164.20
MEAN +2 STD DEV			13.62	10.51	102.80	8.02	47.50	13.57	28.72
MEAN -2 STD DEV			3.06	7.24	71.48	7.07	-24.93	-14.42	18.19
GEO MEAN +2 STD DEV			13.66	10.62	104.15	8.04	59.39	853.76	29.49
GEO MEAN -2 STD DEV			4.74	7.36	72.40	7.07	0.51	0.01	18.45
SUM OF SQUARES			527.55	554.93	53524.94	398.60	2859.00	1585.00	3893.24

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/03/19 1405			9.1	10.2	104.3	7.7	3.0	14	26.7
76/03/17 1240			7.7	10.2	100.8	7.7	4.0	5	26.2
77/03/23 1355			8.3	8.8	89.4	7.4	1.0	9	28.3
78/03/30 1810			8.8	10.7	101.9	7.7	3.0	5	17.1
79/03/27 1030			7.3	9.5	96.0	7.7		5	21.0
80/03/17 1245			8.1	10.1	101.5	7.7	1.0	0	27.4
81/03/13 1606			9.7	10.1	98.6	7.6		4	17.7
NUMBER OF SAMPLES			7	7	7	7	5	7	7
MAXIMUM VALUE			9.70	10.70	104.30	7.70	4.00	14.00	28.30
MINIMUM VALUE			7.30	8.80	89.40	7.40	1.00	0.00	17.10
ARITHMETIC MEAN			8.43	9.94	98.07	7.64	2.40	6.00	23.49
GEOMETRIC MEAN			8.39	9.93	97.91	7.64	2.05	2.27	23.04
LOG/GEOMETRIC MEAN			2.13	2.30	4.58	2.03	0.72	0.82	3.14
MEDIAN			8.30	10.10	100.80	7.70	3.00	5.00	26.20
STANDARD DEV OF LOGS			0.10	0.06	0.06	0.02	0.66	2.73	0.22
STANDARD DEVIATION			0.83	0.61	5.96	0.11	1.34	4.40	4.77
VARIANCE			0.69	0.38	35.55	0.01	1.80	19.33	22.77
COEFF OF VARIATION			9.85	6.17	6.08	1.48	55.90	73.28	20.32
SUM OF VALUES			59.00	69.60	686.30	53.50	12.00	42.00	164.40
MEAN +2 STD DEV			10.09	11.17	110.00	7.87	5.08	14.79	33.03
MEAN -2 STD DEV			6.77	8.72	86.15	7.42	-0.28	-2.79	13.94
GEO MEAN +2 STD DEV			10.22	11.27	110.86	7.88	7.74	539.08	35.43
GEO MEAN -2 STD DEV			6.90	8.74	86.47	7.42	0.54	0.01	14.99
SUM OF SQUARES			501.42	694.28	67539.31	408.97	36.00	368.00	1997.68

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/04/22 1150			6.8	9.5	93.7	7.6	1.0	9	28.8
76/04/15 1235			7.1	13.9	126.0	7.8	4.0	9	15.5
77/04/28 0915			11.7	9.6	93.4	7.6	4.0	16	10.1
78/04/12 1425			11.7	10.4		7.5	3.0	5	
79/04/10 1025			8.7	11.5	112.6	8.0	1.0	9	21.6
80/04/21 1620			8.9	11.1	104.1	7.6	5.0	0	14.3
NUMBER OF SAMPLES			6	6	5	6	6	6	5
MAXIMUM VALUE			11.70	13.90	126.00	8.00	5.00	18.00	28.80
MINIMUM VALUE			6.80	9.50	93.40	7.50	1.00	0.00	10.10
ARITHMETIC MEAN			9.15	11.00	105.96	7.68	3.00	8.33	18.86
GEOMETRIC MEAN			8.94	10.91	105.27	7.68	2.49	2.63	16.93
LOG/GEOMETRIC MEAN			2.19	2.39	4.66	2.04	0.91	0.97	2.83
MEDIAN			8.80	10.75	104.10	7.60	3.50	9.00	15.50
STANDARD DEV OF LOGS			0.23	0.14	0.13	0.02	0.73	3.10	0.40
STANDARD DEVIATION			2.14	1.63	13.76	0.18	1.67	5.92	7.28
VARIANCE			4.60	2.65	189.30	0.03	2.80	35.07	52.98
COEFF OF VARIATION			23.44	14.79	12.98	2.39	55.78	71.06	40.30
SUM OF VALUES			54.90	66.00	529.80	46.10	18.00	50.00	96.10
MEAN +2 STD DEV			13.44	14.25	133.48	8.05	6.35	20.18	32.62
MEAN -2 STD DEV			4.86	7.75	78.44	7.32	-0.35	-3.51	3.50
GEO MEAN +2 STD DEV			14.28	14.46	135.79	8.05	10.65	1283.77	37.88
GEO MEAN -2 STD DEV			5.40	8.22	81.40	7.33	0.58	0.01	7.59
SUM OF SQUARES			525.33	739.24	56894.62	354.37	68.00	592.00	1842.75

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14 1120			9.7	10.4	105.8		3.0	20	24.0
75/05/13 1430			13.6	10.2	103.8	7.8	26.0	18	10.9
76/05/20 1405			13.8	13.3	143.1	8.4	6.0	5	22.0
77/05/18 1550			12.4	12.4	133.7	8.1	2.0	9	24.2
78/05/19 1055			13.7	12.0	127.1	8.2	4.0	14	17.2
79/05/29 1515			9.0	1.0	128.0	8.4	34.0	5	20.0
80/05/21 1710			11.0	11.0	114.6	8.4	4.0	0	23.4
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			13.70	13.30	143.10	8.40	34.00	20.00	24.20
MINIMUM VALUE			9.00	1.00	103.80	7.80	2.00	0.00	10.90
ARITHMETIC MEAN			11.77	10.04	122.30	8.22	11.29	10.14	20.24
GEOMETRIC MEAN			11.63	8.11	121.54	8.21	6.54	3.44	19.62
LOG/GEOMETRIC MEAN			2.45	2.09	4.80	2.11	1.88	1.23	2.98
MEDIAN			12.40	11.00	127.10	8.30	4.00	9.00	22.00
STANDARD DEV OF LOGS			0.17	0.93	0.12	0.02	1.09	2.94	0.29
STANDARD DEVIATION			1.89	4.14	14.67	0.24	13.05	7.43	4.82
VARIANCE			3.59	17.14	215.32	0.06	170.24	55.14	23.24
COEFF OF VARIATION			16.09	41.22	12.00	2.92	115.61	73.21	23.81
SUM OF VALUES			82.40	70.30	856.10	49.30	79.00	71.00	141.70
MEAN +2 STD DEV			15.56	18.32	151.65	8.70	37.38	24.99	29.88
MEAN -2 STD DEV			7.98	1.76	92.95	7.74	-14.81	-4.71	10.60
GEO MEAN +2 STD DEV			16.28	51.89	154.65	8.71	57.77	1220.32	34.80
GEO MEAN -2 STD DEV			8.31	1.27	95.39	7.74	0.74	0.01	11.07
SUM OF SQUARES			991.50	888.85	105992.95	405.37	1913.00	1851.00	3007.85

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/06/12 1305			13.2	10.6	103.3	7.5	7.0	13	3.0
75/06/12 1315			19.0	13.4	155.5	8.4	4.0	9	14.8
76/06/08 1140			12.9	10.0	102.5	8.1	6.0	9	14.6
77/06/14 1145			14.9	10.2	110.1	8.3	3.0	14	16.3
78/06/26 1345			18.0	9.8	110.6	7.8	3.0	0	13.4
79/06/19 1055			12.5	9.6	101.3	8.0	6.0	5	20.6
80/06/23 1130			14.7	11.4	124.7	8.5	2.0	0	19.1
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			19.00	13.40	155.50	8.50	7.00	14.00	20.60
MINIMUM VALUE			12.50	9.62	101.30	7.50	2.00	0.00	3.00
ARITHMETIC MEAN			15.10	10.72	115.43	8.09	4.43	7.14	14.54
GEOMETRIC MEAN			14.93	10.65	114.20	8.08	4.06	1.09	12.71
LOG/GEOMETRIC MEAN			2.70	2.37	4.74	2.09	1.40	0.09	2.55
MEDIAN			14.70	10.20	110.10	8.10	4.00	9.00	14.80
STANDARD DEV OF LOGS			0.16	0.12	0.15	0.04	0.46	3.70	0.66
STANDARD DEVIATION			2.56	1.32	19.40	0.35	1.70	5.70	5.70
VARIANCE			6.23	1.75	376.21	0.12	3.62	32.48	32.53
COEFF OF VARIATION			16.53	12.35	16.80	4.37	42.96	79.78	39.22
SUM OF VALUES			105.70	75.02	808.00	56.60	31.00	50.00	101.80
MEAN +2 STD DEV			20.09	13.36	154.22	8.79	8.23	18.54	25.95
MEAN -2 STD DEV			10.11	8.07	76.64	7.38	0.62	-4.25	3.14
GEO MEAN +2 STD DEV			20.56	13.43	155.25	8.82	10.25	1746.92	47.56
GEO MEAN -2 STD DEV			10.84	8.45	84.80	7.40	1.61	0.00	3.43
SUM OF SQUARES			1633.45	814.50	95523.54	458.40	159.00	552.00	1675.62

Table 3c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/07/15 1620			15.3	10.8	109.3	8.0	3.0	5	17.0
75/07/23 1200			18.5	10.9	124.0	8.0	3.0	18	15.8
76/07/21 1050			15.1	13.5	154.7	8.2	6.0	5	25.3
77/07/20 1400			18.9	9.6	118.8	8.1	4.0	14	25.9
78/07/18 1400			15.3	10.5	119.0	8.3	2.0	0	22.9
79/07/18 0920			19.0			8.2	3.0	14	21.0
80/07/22 0945			16.7	10.3	119.4		2.0	0	22.1
NUMBER OF SAMPLES			7	6	6	6	7	7	7
MAXIMUM VALUE			19.00	13.50	154.70	8.30	6.00	18.00	25.90
MINIMUM VALUE			15.10	9.60	109.30	8.00	2.00	0.00	15.80
ARITHMETIC MEAN			16.97	10.80	124.53	8.13	3.29	6.00	21.43
GEOMETRIC MEAN			16.89	10.73	123.78	8.13	3.07	1.12	21.11
LOG/GEOMETRIC MEAN			2.83	2.37	4.82	2.10	1.12	0.11	3.05
MEDIAN			16.70	10.40	119.20	8.15	3.00	5.00	22.10
STANDARD DEV OF LOGS			0.11	0.12	0.12	0.01	0.38	3.73	0.19
STANDARD DEVIATION			1.86	1.29	15.71	0.12	1.38	7.28	3.83
VARIANCE			3.22	1.94	246.81	0.01	1.90	53.00	14.65
COEFF OF VARIATION			10.58	12.91	12.62	1.49	42.00	91.08	17.98
SUM OF VALUES			118.80	64.80	747.20	48.80	23.00	56.00	150.00
MEAN +2 STD DEV			20.56	13.59	155.95	8.38	6.05	22.56	29.13
MEAN -2 STD DEV			13.38	8.01	93.11	7.89	0.53	-6.56	13.72
GEO MEAN +2 STD DEV			20.87	13.65	156.84	8.38	6.63	1951.18	30.81
GEO MEAN -2 STD DEV			13.67	8.44	97.69	7.89	1.42	0.00	14.47
SUM OF SQUARES			2035.54	789.56	94285.38	396.98	87.00	760.00	3303.36

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/08/13 1025			15.0			7.8	3.0	0	15.0
75/08/13 1607			18.8	12.7	156.1		1.0	8	25.1
76/08/25 1110			13.2	8.1	87.4	7.9	1.0	5	21.9
77/08/17 1400			22.1	11.2	147.2	8.1	1.00	14	25.9
78/08/22 1615			14.8	8.2	88.9	7.4	10.00	14	17.3
79/08/27 1405			17.6	7.5	98.7	7.9	2.0	14	26.2
80/08/29 1455			15.4	9.0	102.7		2.0	0	23.7
NUMBER OF SAMPLES			7	6	6	5	7	7	7
MAXIMUM VALUE			22.10	12.70	156.10	8.10	10.00	14.00	26.20
MINIMUM VALUE			13.20	7.55	87.40	7.40	1.00	0.00	15.00
ARITHMETIC MEAN			16.70	9.46	112.17	7.82	2.86	7.86	22.16
GEOMETRIC MEAN			16.48	9.29	108.85	7.82	1.98	1.15	21.74
LOG/GEOMETRIC MEAN			2.80	2.23	4.69	2.06	0.68	0.14	3.08
MEDIAN			15.40	8.60	98.70	7.90	2.00	8.00	23.20
STANDARD DEV OF LOGS			0.17	0.21	0.26	0.03	0.84	3.74	0.22
STANDARD DEVIATION			3.02	2.04	31.19	0.26	3.24	6.39	4.40
VARIANCE			9.14	4.16	972.53	0.07	10.48	40.81	19.38
COEFF OF VARIATION			18.10	21.58	27.80	3.31	113.28	81.30	19.87
SUM OF VALUES			116.90	56.75	673.00	39.10	20.00	55.00	155.10
MEAN +2 STD DEV			22.75	13.54	174.54	8.34	9.33	20.83	30.96
MEAN -2 STD DEV			10.65	5.38	49.80	7.30	-3.62	-4.92	13.35
GEO MEAN +2 STD DEV			23.35	14.01	184.33	8.36	10.55	2039.15	33.58
GEO MEAN -2 STD DEV			11.63	6.16	64.27	7.31	0.37	0.00	14.07
SUM OF SQUARES			2007.05	557.58	80350.80	306.03	120.00	677.00	3552.85

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/09/18 1215			15.4	8.7	102.3	7.5	2.0	28	28.5
75/09/18 1135			16.5	11.6	131.2	8.2	1.0	9	18.7
76/09/17 0825			13.3	9.8	108.0	7.8	4.0	14	24.8
77/09/14 1500			13.9	9.2	102.7	7.8	1.0	23	24.9
78/09/18 1400			15.6	9.4	100.6	8.0	1.0		12.4
79/09/19 1100			15.4	10.1	116.9	8.2	4.0	SE	26.0
NUMBER OF SAMPLES			6	6	6	6	4	5	6
MAXIMUM VALUE			16.50	11.60	131.20	8.20	4.00	28.00	28.50
MINIMUM VALUE			13.30	8.70	100.60	7.50	1.00	5.00	12.40
ARITHMETIC MEAN			15.02	9.80	110.28	7.92	2.50	15.80	22.55
GEOMETRIC MEAN			14.98	9.76	109.78	7.91	2.14	13.23	21.76
LOG/GEOMETRIC MEAN			2.71	2.28	4.70	2.07	0.76	2.58	3.08
MEDIAN			15.40	9.60	105.35	7.90	2.50	14.00	24.85
STANDARD DEV OF LOGS			0.08	0.10	0.10	0.03	0.64	0.70	0.31
STANDARD DEVIATION			1.19	1.01	11.84	0.27	1.38	9.58	5.93
VARIANCE			1.41	1.01	140.30	0.07	1.90	91.70	35.15
COEFF OF VARIATION			7.90	10.27	10.74	3.43	55.14	60.61	26.29
SUM OF VALUES			90.10	58.80	661.70	47.50	15.00	79.00	135.30
MEAN +2 STD DEV			17.39	11.81	133.97	8.46	5.26	34.95	34.41
MEAN -2 STD DEV			12.65	7.79	86.59	7.37	-0.26	-3.35	10.69
GEO MEAN +2 STD DEV			17.59	11.90	134.39	8.48	7.72	53.78	40.41
GEO MEAN -2 STD DEV			12.75	8.00	89.35	7.39	0.59	1.26	11.72
SUM OF SQUARES			1360.03	581.30	73675.99	376.41	47.00	1615.00	3226.75

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/10/16 1440			13.3	9.1	101.8	7.7	1.0	28	27.1
75/10/17 1025			12.0	8.6	94.5	7.8	7.0	9	28.4
76/10/22 0930			9.9	8.6	90.1	7.8	3.0	14	27.8
77/10/13 1135			11.6	7.0	74.4	7.7	1.0	18	24.5
78/10/13 1010			12.0	8.4	86.7	7.9	3.0	5	18.7
79/10/17 0845			11.3	6.2	67.2	7.7	2.0	14	28.5
80/10/07 1225			11.8	10.3	110.7	8.5	1.0	5	25.7
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			13.30	10.30	110.70	8.50	7.00	28.00	28.50
MINIMUM VALUE			9.90	6.28	67.20	7.70	1.00	5.00	18.70
ARITHMETIC MEAN			11.70	8.33	89.34	7.87	2.57	13.29	25.81
GEOMETRIC MEAN			11.66	8.23	88.22	7.87	2.00	11.21	25.59
LOG/GEOMETRIC MEAN			2.46	2.11	4.48	2.06	0.69	2.42	3.24
MEDIAN			11.80	8.40	90.10	7.80	2.00	14.00	27.10
STANDARD DEV OF LOGS			0.09	0.17	0.17	0.04	0.75	0.65	0.15
STANDARD DEVIATION			1.01	1.33	15.05	0.29	2.15	8.12	3.46
VARIANCE			1.03	1.77	226.51	0.08	4.62	65.96	11.97
COEFF OF VARIATION			8.66	15.96	16.85	3.65	83.58	61.16	13.41
SUM OF VALUES			81.90	58.28	625.40	55.10	18.00	93.00	180.70
MEAN +2 STD DEV			13.73	10.98	119.44	8.45	6.87	29.52	32.74
MEAN -2 STD DEV			9.67	5.67	59.24	7.30	-1.73	-2.95	18.89
GEO MEAN +2 STD DEV			13.92	11.46	124.82	8.44	8.87	40.90	34.46
GEO MEAN -2 STD DEV			9.77	5.91	62.36	7.33	0.45	1.07	19.00
SUM OF SQUARES			964.39	495.82	57234.08	434.21	74.00	1631.00	4736.49

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/11/14 0940			9.9	7.1	71.0	7.3	3.0	30	20.8
75/11/20 2400			5.8	13.0	111.2	7.6	22.0	0	14.4
76/11/24 0200			7.9	6.4	62.6	6.8	2.0	36	24.0
77/11/09 0900			9.9	7.1	75.5	7.9	2.0	9	29.9
79/11/16 0915			11.3	6.2	65.9	7.6	2.0	18	25.5
80/11/20 2210			6.2	8.9	84.1	7.7	3.0	9	24.8
NUMBER OF SAMPLES			6	6	6	6	6	5	6
MAXIMUM VALUE			11.30	13.00	111.20	7.90	22.00	36.00	29.90
MINIMUM VALUE			5.80	6.30	62.60	6.80	2.00	0.00	14.40
ARITHMETIC MEAN			8.37	8.12	78.38	7.48	5.67	17.00	23.23
GEOMETRIC MEAN			8.05	7.84	76.90	7.47	3.41	4.46	22.68
LOG/GEOMETRIC MEAN			2.09	2.06	4.34	2.01	1.23	1.49	3.12
MEDIAN			8.90	7.10	73.25	7.60	2.50	13.50	24.40
STANDARD DEV OF LOGS			0.31	0.28	0.21	0.05	0.93	1.38	0.25
STANDARD DEVIATION			2.43	2.57	17.76	0.39	8.02	13.77	5.23
VARIANCE			5.91	6.65	315.44	0.15	64.27	189.60	27.31
COEFF OF VARIATION			29.06	31.72	22.66	5.17	141.47	81.00	22.50
SUM OF VALUES			50.20	48.70	470.30	44.90	34.00	102.00	139.40
MEAN +2 STD DEV			13.23	13.27	113.91	8.26	21.70	44.54	33.69
MEAN -2 STD DEV			3.50	2.97	42.86	6.71	-10.37	-10.54	12.78
GEO MEAN +2 STD DEV			15.10	13.68	116.64	8.31	22.11	3842.48	37.46
GEO MEAN -2 STD DEV			4.29	4.49	50.70	6.72	0.53	0.01	18.72
SUM OF SQUARES			449.56	428.43	38441.07	336.75	514.00	2682.00	3375.30

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/12/18 1230			7.8	8.4	85.5		2.0	18	26.7
75/12/17 2230			4.5	10.8	90.0	7.6	4.0	5	12.3
76/12/15 2015			8.0	7.6	76.2	6.9	2.0	5	27.3
77/12/20 2125			5.7	10.4	90.7	7.4	4.0	9	14.6
78/12/18 0015			7.1	8.8	87.1	7.9	3.0	5	28.4
79/12/12 2028			7.0	9.2	86.8	7.5	2.0	14	21.6
80/12/15 1740			6.8	9.6	89.6	7.7	2.0	0	20.9
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			8.00	10.80	90.70	7.90	4.00	18.00	28.40
MINIMUM VALUE			4.50	7.60	76.20	6.90	2.00	0.00	12.30
ARITHMETIC MEAN			6.70	9.29	86.56	7.50	2.71	8.00	21.71
GEOMETRIC MEAN			6.59	9.24	86.43	7.49	2.58	2.82	20.82
LOG/GEOMETRIC MEAN			1.89	2.22	4.46	2.01	0.95	1.04	3.04
MEDIAN			7.00	9.25	87.10	7.55	2.00	5.00	21.80
STANDARD DEV OF LOGS			0.20	0.12	0.06	0.05	0.33	2.84	0.33
STANDARD DEVIATION			1.22	1.09	4.95	0.34	0.95	6.16	6.33
VARIANCE			1.50	1.20	24.50	0.12	0.90	38.00	40.11
COEFF OF VARIATION			18.28	11.77	5.72	4.54	35.04	77.06	29.17
SUM OF VALUES			46.90	65.05	605.90	45.00	19.00	56.00	152.00
MEAN +2 STD DEV			9.15	11.48	96.46	8.18	4.62	20.33	34.38
MEAN -2 STD DEV			4.25	7.10	76.66	6.82	0.81	-4.33	9.05
GEO MEAN +2 STD DEV			9.86	11.73	97.37	8.22	5.03	830.62	39.94
GEO MEAN -2 STD DEV			4.41	7.28	76.71	6.83	1.33	0.01	10.85
SUM OF SQUARES			323.23	611.68	52591.99	338.08	57.00	676.00	3541.24

Table 4b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL P&I mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14	0930		9.6	9.2	94.0		4.0	10	25.0
74/06/13	1455		18.8	9.3	103.4	7.2	1.0	20	8.0
74/07/15	1650		15.4	10.5	117.1	8.1	4.0	5	20.0
74/08/13	1115		15.0			8.0	3.0	0	12.0
74/09/18	1115		13.3	5.5	62.5	7.4	1.0	28	29.4
74/10/16	1345		12.2	5.9	64.8	7.6	1.0	13	27.7
74/11/14	1030		9.6	8.5	83.5	7.6	4.0	30	19.0
74/12/18	1320		7.8	9.1	90.1		2.0	13	26.2
NUMBER OF SAMPLES			8	7	7	6	8	8	8
MAXIMUM VALUE			18.80	10.50	117.10	8.10	4.00	30.00	29.40
MINIMUM VALUE			7.80	5.50	62.50	7.20	1.00	0.00	8.00
ARITHMETIC MEAN			12.71	8.29	87.91	7.65	2.50	14.88	20.91
GEOMETRIC MEAN			12.25	8.08	85.96	7.64	2.10	5.39	19.33
LOG/GEOMETRIC MEAN			2.51	2.09	4.45	2.03	0.74	1.68	2.96
MEDIAN			12.75	9.10	90.10	7.60	2.50	13.00	22.50
STANDARD DEV OF LOGS			0.29	0.25	0.23	0.05	0.66	2.88	0.46
STANDARD DEVIATION			3.66	1.87	19.72	0.34	1.41	10.53	7.69
VARIANCE			13.38	3.49	388.84	0.12	2.00	110.98	59.06
COEFF OF VARIATION			28.77	22.54	22.43	4.51	56.57	70.82	36.75
SUM OF VALUES			101.70	58.00	615.40	45.90	20.00	119.00	167.30
MEAN +2 STD DEV			20.03	12.02	127.35	8.34	5.33	35.94	36.28
MEAN -2 STD DEV			5.40	4.55	48.48	6.96	-0.33	-6.19	5.54
GEO MEAN +2 STD DEV			22.06	13.27	136.64	8.36	7.84	1713.23	48.34
GEO MEAN -2 STD DEV			6.80	4.92	54.08	6.99	0.56	0.02	7.73
SUM OF SQUARES			1386.49	501.50	56435.52	351.73	64.00	2547.00	3912.09

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL P&I mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15	1430		5.0	10.7	93.2	7.6	5.0	18	17.0
75/02/19	1740		16.4	8.2	89.8	7.4	260.0	33	13.7
75/03/19	1515		9.7	10.0	102.5	7.7	3.0	9	25.1
75/04/22	1255		9.7	9.6	100.2	7.7	1.0	14	27.8
75/05/13	1700		14.0	9.8	98.9	7.8	16.0	14	8.0
75/06/12	1415		17.0	11.4	123.2	8.5	5.0	59	9.2
75/08/13	1645		18.2	13.6	166.3	8.2	1.0	5	26.1
75/09/18	1215		15.5	11.2	128.9	8.2	3.0	14	24.8
75/10/17	1105		12.0	7.9	86.8	10.1	6.0	5	28.4
75/11/20	0050		5.5	12.8	111.7	7.6	2.0	0	15.5
75/12/17	2315		4.0	10.9	90.9	7.6	2.0	5	14.3
NUMBER OF SAMPLES			11	11	11	11	11	11	11
MAXIMUM VALUE			18.20	13.60	166.30	10.10	260.00	59.00	28.40
MINIMUM VALUE			4.00	7.90	86.80	7.40	1.00	0.00	8.00
ARITHMETIC MEAN			11.55	10.55	108.40	8.04	27.64	16.00	19.08
GEOMETRIC MEAN			10.29	10.42	106.40	8.01	4.66	6.22	17.55
LOG/GEOMETRIC MEAN			2.33	2.34	4.67	2.08	1.54	1.83	2.87
MEDIAN			12.00	10.70	100.20	7.70	3.00	14.00	17.00
STANDARD DEV OF LOGS			0.54	0.17	0.20	0.09	1.56	2.49	0.45
STANDARD DEVIATION			5.12	1.73	23.55	0.76	77.18	16.80	7.55
VARIANCE			26.26	3.00	554.47	0.58	5956.85	282.20	57.05
COEFF OF VARIATION			44.39	16.40	21.72	9.46	279.27	104.99	39.58
SUM OF VALUES			127.00	116.10	1192.40	88.40	304.00	176.00	209.90
MEAN +2 STD DEV			21.79	14.02	155.49	9.56	182.00	49.60	34.19
MEAN -2 STD DEV			1.30	7.09	61.31	6.52	-126.72	-17.60	3.98
GEO MEAN +2 STD DEV			30.17	14.53	157.37	9.54	105.44	906.34	42.96
GEO MEAN -2 STD DEV			3.51	7.48	71.94	6.72	0.21	0.04	7.17
SUM OF SQUARES			1728.88	1255.35	134800.86	716.20	67970.00	5638.00	4575.73

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL P&I mg/l	70305 SALINITY CONDUCTVY g/l
76/01/22	1225		6.8	9.4	87.6	7.7	8.0	5	20.7
76/02/18	1440		7.0	8.2	78.2	7.2	9.0	3	23.3
76/03/17	1155		7.4	10.0	100.1	7.7	3.0	5	29.0
76/04/15	1305		7.6	14.3	132.8	7.6	5.0	14	17.4
76/05/20	1315		12.2	11.6	124.1	8.3	2.0	5	23.7
76/06/08	1050		11.9	9.7	96.0	7.9	4.0	14	12.2
76/07/21	1140		15.6	12.0	139.0	8.1	5.0	5	25.5
76/08/25	1200		13.7	8.2	89.5	8.0	6.0	9	22.0
76/09/17	0940		13.0			7.8	3.0	23	23.6
76/10/22	1020		8.3	7.5	76.0	7.8	2.0	23	28.0
76/11/24	0245		7.9	7.0	67.7	7.0	2.0	23	22.5
76/12/15	2055		9.2	7.1	73.3	6.8	3.0	9	27.7
NUMBER OF SAMPLES			12	11	11	12	12	12	12
MAXIMUM VALUE			15.60	14.30	139.00	8.30	9.00	23.00	29.00
MINIMUM VALUE			6.80	7.00	67.70	6.80	2.00	3.00	12.20
ARITHMETIC MEAN			10.05	9.55	96.75	7.66	4.33	11.50	22.97
GEOMETRIC MEAN			9.65	9.31	94.05	7.65	3.81	9.19	22.43
LOG/GEOMETRIC MEAN			2.27	2.23	4.54	2.03	1.34	2.22	3.11
MEDIAN			8.75	9.40	89.50	7.75	3.50	9.00	23.45
STANDARD DEV OF LOGS			0.30	0.23	0.25	0.06	0.53	0.71	0.24
STANDARD DEVIATION			3.05	2.31	24.80	0.45	2.35	7.76	4.72
VARIANCE			9.29	5.34	614.92	0.20	5.52	60.27	22.26
COEFF OF VARIATION			30.32	24.20	25.63	5.85	54.19	67.51	20.54
SUM OF VALUES			120.60	105.00	1064.30	91.90	52.00	138.00	275.60
MEAN +2 STD DEV			16.15	14.17	146.35	8.55	9.03	27.03	32.40
MEAN -2 STD DEV			3.95	4.93	47.16	6.76	-0.36	-4.03	13.53
GEO MEAN +2 STD DEV			17.42	14.80	154.12	8.62	10.94	38.36	36.14
GEO MEAN -2 STD DEV			5.35	5.85	57.39	6.78	1.33	2.20	13.93
SUM OF SQUARES			1314.20	1055.64	109125.09	706.01	286.00	2250.00	6574.42

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL P&I mg/l	70305 SALINITY CONDUCTVY g/l
77/01/13	1445		6.8	7.6	72.6	7.3	2.0	32	24.3
77/02/25	1600		8.8	9.1	90.8	7.2	1.0	9	24.1
77/03/23	1315		8.2	9.2	92.9	7.6	1.0	14	27.7
77/04/28	0830		11.3	10.2		7.9	4.0	9	
77/05/18	1640		14.8	12.2	134.8	8.0	1.0	5	20.5
77/06/14	1225		16.2	10.7	120.5	8.4	1.0	5	19.0
77/07/20	1515		18.9	13.0	160.4	8.3	5.0	14	25.4
77/08/17	1425		22.6	11.3	150.5	8.0	1.0	14	26.5
77/10/13	1200		11.5	7.0	74.0	7.7	1.0	18	24.0
77/11/09	0940		9.7	7.5	79.1	7.9	2.0	5	29.4
77/12/20	2210		5.8	10.6	93.2	7.4	6.0	14	15.5
NUMBER OF SAMPLES			11	11	10	11	11	11	10
MAXIMUM VALUE			22.60	13.00	160.40	8.40	6.00	32.00	29.40
MINIMUM VALUE			5.80	7.00	72.60	7.20	1.00	5.00	15.50
ARITHMETIC MEAN			12.24	9.85	106.88	7.79	2.27	12.64	23.64
GEOMETRIC MEAN			11.26	9.67	102.74	7.78	1.75	10.76	23.27
LOG/GEOMETRIC MEAN			2.42	2.27	4.63	2.05	0.56	2.38	3.15
MEDIAN			11.30	10.20	93.05	7.90	1.00	14.00	24.20
STANDARD DEV OF LOGS			0.43	0.21	0.29	0.05	0.72	0.60	0.19
STANDARD DEVIATION			5.30	1.97	32.32	0.39	1.85	7.83	4.21
VARIANCE			28.10	3.86	1044.58	0.15	3.42	61.25	17.71
COEFF OF VARIATION			43.32	19.95	30.24	5.02	81.35	61.94	17.80
SUM OF VALUES			134.60	108.40	1068.80	85.70	25.00	139.00	236.40
MEAN +2 STD DEV			22.84	13.79	171.52	8.57	5.97	28.29	32.06
MEAN -2 STD DEV			1.63	5.92	42.24	7.01	-1.42	-3.02	15.22
GEO MEAN +2 STD DEV			26.54	14.58	184.75	8.61	7.43	35.46	34.24
GEO MEAN -2 STD DEV			4.77	6.42	57.13	7.04	0.41	3.27	15.81
SUM OF SQUARES			1928.04	1106.88	123634.56	669.21	91.00	2369.00	5747.86

Table 4a.

ECB104 ECOBAM NR MERRILL & RING CREEKS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/14	0930		9.6	9.2		4.0	10	25.0	94.0	1.976	576750	32612	609360
74/06/13	1455		18.8	9.3	7.2	1.0	20	8.0	103.4	2.426	630160	37651	667820
74/07/15	1650		15.4	10.5	8.1	4.0	5	20.0	117.1	1.336	552340	51662	604000
74/08/13	1115		15.0		8.6	3.0	0	12.0		1.124	520930	34069	555000
74/09/18	1115		13.3	5.5	7.4	1.0	28	29.4	62.5	1.315	656580	37866	694450
74/10/16	1345		12.2	5.9	7.6	1.0	13	27.7	64.8	2.479	889280	39980	929260
74/11/14	1030		9.6	8.5	7.6	4.0	30	19.0	83.5	1.844	533400	37615	571010
74/12/18	1320		7.8	9.1		2.0	13	26.2	90.1	0.988	524490	38149	562640
75/01/15	1430		5.0	10.7	7.6	5.0	18	17.0	93.2	1.611	583710	40396	624100
75/02/19	1740		16.4	8.2	7.4	260.0	33	13.7	89.8	1.391	497630	31126	528760
75/03/19	1515		9.7	10.0	7.7	3.0	9	25.1	102.5	2.427	537120	30281	567400
75/04/22	1255		9.7	9.6	7.7	1.0	14	27.8	100.2	2.320	444710	28176	472890
75/05/13	1700		14.0	9.8	7.8	16.0	14	8.0	98.9	1.070	258730	25880	284610
75/06/12	1415		17.0	11.4	8.5	5.0	59	9.2	123.2	2.583	158040	31847	189890
75/08/13	1645		18.2	13.6	8.2	1.0	5	26.1	166.3	0.474	300060	30855	330920
75/09/18	1215		15.5	11.2	8.2	3.0	14	24.8	128.9	0.721	258250	30351	288610
75/10/17	1105		12.0	7.9	10.1	6.0	5	28.4	86.8	1.469	330620	31824	362450
75/11/20	0050		5.5	12.8	7.6	2.0	0	15.5	111.7	2.012	52343	23060	75403
75/12/17	2315		4.0	10.9	7.6	2.0	5	14.3	90.9	1.385	309060	34008	343070
76/01/22	1225		6.8	9.4	7.7	8.0	5	20.7	87.6	1.061	257930	37931	295910
76/02/18	1440		7.0	8.2	7.2	9.0	3	23.3	78.2	1.000	350680	36370	387050
76/03/17	1155		7.4	10.0	7.7	3.0	5	29.0	100.1	2.230	290100	24330	314430
76/04/15	1305		7.6	14.3	7.6	5.0	14	17.4	132.8	3.592	399130	43345	324470
76/05/20	1315		12.2	11.6	8.3	2.0	5	23.7	124.1	1.348	232080	38852	270940
76/06/08	1050		11.9	9.7	7.9	4.0	14	12.2	96.0	1.398	307740	34301	342040
76/07/21	1140		15.6	12.0	8.1	5.0	5	25.5	139.0	1.556	247320	44970	292290
76/08/25	1200		13.7	8.2	8.0	6.0	9	22.0	89.5	2.174	329740	37782	367520
76/09/17	0940		13.0		7.8	3.0	23	23.6		1.515	271720	38837	310580
76/10/22	1020		8.3	7.5	7.8	2.0	23	28.0	76.0	1.599	347530	34650	382180
76/11/24	0245		7.9	7.0	7.0	2.0	23	22.5	67.7	1.679	248280	36417	284700
76/12/15	2055		9.2	7.1	6.8	3.0	9	27.7	73.3	2.228	231890	38167	270050
77/01/13	1445		6.8	7.6	7.3	2.0	32	24.3	72.6	0.235	202780	40523	243310
77/02/25	1600		8.8	9.1	7.2	1.0	9	24.1	90.8	1.824	148870	35414	184280
77/03/23	1315		8.2	9.2	7.6	1.0	14	27.7	92.9	1.922	273810	39883	313690
77/04/28	0830		11.3	10.2	7.9	4.0	9			0.399	256750	37174	293920
77/05/18	1640		14.8	12.2	8.0	1.0	5	20.5	134.8	1.273	262530	42365	304890
77/06/14	1225		16.2	10.7	8.4	1.0	5	19.0	120.5	1.237	307880	44010	351890
77/07/20	1515		18.9	13.0	8.3	5.0	14	25.4	160.4		302040	44978	347020
77/08/17	1425		22.6	11.3	8.0	1.0	14	26.5	150.5		323610	55518	379130
77/10/13	1200		11.5	7.0	7.7	1.0	18	24.0	74.0		219620	24391	244010
77/11/09	0940		9.7	7.5	7.9	2.0	5	29.4	79.1	2.197	242350	48725	291070
77/12/20	2210		5.8	10.6	7.4	6.0	14	15.5	93.2	2.045	226900	42364	269260
78/01/30	1420		5.2	10.0	7.4	4.0	18	15.6	86.7	1.842	209700	36870	246570
78/02/15	1525		7.2	9.9	7.4	4.0	5	23.8	95.1	1.922	224410	42553	266960
78/03/30	1845		8.7	10.5	7.5	3.0	14	13.0	97.2	2.183	194140	38787	232920
78/04/12	1500		12.6	10.8	7.6	5.0	5	17.5	112.0	1.770	238680	42422	281100
78/05/19	1140		15.2	10.4	8.0	8.0	14	17.2	113.6	1.207	216760	42912	259670
78/06/26	1300									0.811	253790	35962	289750
78/07/10	1615		15.0	10.1	8.2	1.0	0	23.6	114.3		217250	17512	234760
78/08/22	1720		14.9	8.9	7.2	10.0K	14	18.2	97.2	1.424	124100	35009	159110
78/09/18	1430		15.0	10.7	8.2	3.0		13.4	113.8	0.000	5600	0	5600
78/10/13	1045		12.2	8.7	7.8	8.0	9	18.7	90.2		0	0	0
78/12/19	0100		6.8	8.9	7.9	3.0	0	27.5	86.9	2.437	0	0	0
79/01/31	1440		5.7	10.2	7.8	11.0	9K	27.7	97.3	1.452	0	0	0
79/02/27	1040		6.3	9.9	7.8	3.0	5K	26.5	94.5	2.206	156750	49829	206580
79/03/27	1020		7.5		7.6		9	22.5			170820	39925	210740
79/04/10	1100		9.7	11.1	8.0	1.0	14	23.3	112.4	0.605	243440	40224	283670
79/05/29	1415		6.0	11.8	8.3	22.0	9	15.8	135.0	0.000	133290	40529	173820
79/06/19	1115		12.6	9.3	8.0	2.0	9	22.4	99.5	2.365	95859	33531	129390
79/07/18	1120		20.8		8.0	1.0	18	19.8			157750	32673	190420
79/08/27	1355		16.9	9.7	8.3	3.0	5K	26.5	116.0		169540	34268	203810
79/09/19	1140		15.4	10.2	8.2	4.0	14	25.5	117.7		173840	40150	213990
79/11/16	0950		10.1	7.0	7.6	1.0	14	25.1	72.3	1.375	158890	41322	200220
79/12/12	2115		6.6	9.2	7.6	3.0	5	23.6	87.1	2.686	196450	26152	222610
80/01/24	1610		5.8	9.3	7.8	3.0	5K	18.4	83.3	1.522	4643	10525	15168
80/02/21	1530		7.5	9.3	7.6	10.0	5	22.1	88.9	1.730	5027	16510	21537
80/03/17	1150		8.0	9.4	7.6	1.0	0	27.8	94.5	2.236	3289	9653	12942
80/04/21	1510		8.5	10.8	7.8	6.0	0	11.7	98.7	2.653	2950	6864	9814
80/05/21	1510		10.3	10.4	8.2	5.0	0	24.1	93.0	1.443	3090	4983	8073
80/06/23	0940		15.2	11.4	8.6	2.0	0	19.2	126.0	2.485	3325	7119	10444
80/07/22	0900		16.2	10.8		1.0	0	21.7	123.6	1.790	3889	6199	10088
80/08/29	1635		15.7	8.4		1.0	0	24.2	96.7	0.147	4340	7126	11466
80/10/07	1340									0.852	2767	11048	13815
80/12/15	1630		6.3	9.7	7.7	3.0	0	19.6	88.7	1.768	2491	4533	7024
81/02/10	1345		7.4	8.4	7.7	2.0	5	27.9	83.4	1.175	6306	8418	14724
81/03/13	1530		10.0	10.4	7.8		8	22.4	105.3	1.600	12573	7265	19838

Table 4b, continued.

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
78/01/30	1420		5.2	10.0	86.7	7.4	4.0	18	15.6
78/02/15	1525		7.2	9.9	95.1	7.4	4.0	5	23.8
78/03/30	1845		8.7	10.5	97.2	7.5	3.0	14	13.0
78/04/12	1500		12.6	10.8	112.0	7.6	5.0	5	17.5
78/05/19	1140		15.2	10.4	113.6	8.0	8.0	14	17.2
78/06/26	1300								
78/07/10	1615		15.0	10.1	114.3	8.2	1.0	0	23.6
78/08/22	1720		14.9	8.9	97.2	7.2	10.0K	14	18.2
78/09/18	1430		15.0	10.7	113.8	8.2	3.0		13.4
78/10/13	1045		12.2	8.7	90.2	7.8	8.0	9	18.7
78/12/19	0100		6.8	8.9	86.9	7.9	3.0	0	27.5
NUMBER OF SAMPLES			10	10	10	10	10	9	10
MAXIMUM VALUE			15.20	10.80	114.30	8.20	10.00	18.00	27.50
MINIMUM VALUE			5.20	8.70	86.70	7.20	1.00	0.00	13.00
ARITHMETIC MEAN			11.28	9.90	100.70	7.72	4.90	8.78	18.85
GEOMETRIC MEAN			10.57	9.87	100.10	7.71	4.11	1.87	18.34
LOG/GEOMETRIC MEAN			2.36	2.29	4.61	2.04	1.41	0.62	2.91
MEDIAN			12.40	10.05	97.20	7.70	4.00	9.00	17.85
STANDARD DEV OF LOGS			0.40	0.08	0.11	0.05	0.67	3.39	0.25
STANDARD DEVIATION			3.93	0.77	11.56	0.35	2.85	6.61	4.73
VARIANCE			15.45	0.60	133.69	0.12	8.10	43.69	22.37
COEFF OF VARIATION			34.85	7.81	11.48	4.56	58.08	75.31	25.09
SUM OF VALUES			112.80	98.99	1007.00	77.20	49.00	79.00	188.50
MEAN +2 STD DEV			19.14	11.45	123.82	8.42	10.59	22.00	28.31
MEAN -2 STD DEV			3.42	8.35	77.58	7.02	-0.79	-4.44	9.39
GEO MEAN +2 STD DEV			23.45	11.58	125.93	8.45	15.63	1643.42	30.00
GEO MEAN -2 STD DEV			4.76	8.42	79.57	7.04	1.08	0.00	11.21
SUM OF SQUARES			1411.46	985.28	102608.12	597.10	313.00	1043.00	3754.59

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
79/01/31	1440		5.7	10.2	97.3	7.8	11.0	9K	27.7
79/02/27	1040		6.3	9.9	94.5	7.8	3.0	5K	26.5
79/03/27	1020		7.5			7.6		9	22.5
79/04/10	1100		9.7	11.1	112.4	8.0	1.0	14	23.3
79/05/29	1415		6.0	11.8	135.0	8.3	22.0	9	15.8
79/06/19	1115		12.6	9.3	99.5	8.0	2.0	9	22.4
79/07/18	1120		20.8			8.0	1.0	18	19.8
79/08/27	1355		16.9	9.7	116.0	8.3	3.0	5K	26.5
79/09/19	1140		15.4	10.2	117.7	8.2	4.0	14	25.5
79/11/16	0950		10.1	7.0	72.3	7.6	1.0	14	25.1
79/12/12	2115		6.6	9.2	87.1	7.6	3.0	5	23.6
NUMBER OF SAMPLES			11	9	9	11	10	11	11
MAXIMUM VALUE			20.80	11.80	135.00	8.30	22.00	18.00	27.70
MINIMUM VALUE			5.70	7.06	72.30	7.60	1.00	5.00	15.80
ARITHMETIC MEAN			10.69	9.85	103.53	7.93	5.10	10.09	23.52
GEOMETRIC MEAN			9.70	9.76	101.99	7.92	2.96	9.21	23.26
LOG/GEOMETRIC MEAN			2.27	2.28	4.62	2.07	1.09	2.22	3.15
MEDIAN			9.70	9.90	99.50	8.00	3.00	9.00	23.60
STANDARD DEV OF LOGS			0.46	0.14	0.19	0.03	1.03	0.46	0.16
STANDARD DEVIATION			5.11	1.32	18.73	0.27	6.62	4.37	3.43
VARIANCE			26.10	1.75	350.90	0.07	43.88	19.09	11.74
COEFF OF VARIATION			47.79	13.45	18.09	3.39	129.88	43.30	14.57
SUM OF VALUES			117.60	88.62	931.80	87.20	51.00	111.00	258.70
MEAN +2 STD DEV			20.91	12.50	141.00	8.46	18.35	18.83	30.37
MEAN -2 STD DEV			0.47	7.20	66.07	7.39	-8.15	1.35	16.66
GEO MEAN +2 STD DEV			24.18	13.02	147.98	8.48	23.19	23.02	32.06
GEO MEAN -2 STD DEV			3.89	7.31	70.29	7.40	0.38	3.69	16.88
SUM OF SQUARES			1518.26	886.64	99279.54	691.98	655.00	1311.00	6201.59

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
80/01/24	1610		5.8	9.3	83.3	7.8	3.0	5K	18.4
80/02/21	1530		7.5	9.3	88.9	7.6	10.0	5	22.1
80/03/17	1150		8.0	9.4	94.5	7.6	1.0	0	27.8
80/04/21	1510		8.5	10.8	98.7	7.8	6.0	0	11.7
80/05/21	1510		10.3	10.4	93.0	8.2	5.0	0	24.1
80/06/23	0940		15.2	11.4	126.0	8.6	2.0	0	19.2
80/07/22	0900		16.2	10.8	123.6		1.0	0	21.7
80/08/29	1635		15.7	8.4	96.7		1.0	0	24.2
80/10/07	1340								
80/12/15	1630		6.3	9.7	88.7	7.7	3.0	0	19.6
NUMBER OF SAMPLES			9	9	9	7	9	9	9
MAXIMUM VALUE			16.20	11.40	126.00	8.60	10.00	5.00	27.80
MINIMUM VALUE			5.80	8.40	83.30	7.60	1.00	0.00	11.70
ARITHMETIC MEAN			10.39	9.94	99.27	7.90	3.56	1.11	20.98
GEOMETRIC MEAN			9.67	9.96	98.31	7.89	2.60	0.02	20.47
LOG/GEOMETRIC MEAN			2.27	2.29	4.59	2.07	0.95	-3.76	3.02
MEDIAN			8.50	9.70	94.50	7.80	3.00	0.00	21.70
STANDARD DEV OF LOGS			0.40	0.10	0.14	0.05	0.85	3.05	0.25
STANDARD DEVIATION			4.19	0.96	15.21	0.37	3.00	2.20	4.56
VARIANCE			17.57	0.92	231.22	0.14	9.03	4.86	20.78
COEFF OF VARIATION			40.34	9.65	15.32	4.68	84.51	198.43	21.73
SUM OF VALUES			93.50	89.50	893.40	55.30	32.00	10.00	188.80
MEAN +2 STD DEV			18.77	11.86	129.68	8.64	9.56	5.52	30.09
MEAN -2 STD DEV			2.01	8.03	68.85	7.16	-2.45	-3.30	11.86
GEO MEAN +2 STD DEV			21.47	12.03	131.26	8.65	14.25	10.27	33.54
GEO MEAN -2 STD DEV			4.36	8.16	73.64	7.20	0.47	0.00	12.49
SUM OF SQUARES			1111.89	897.39	90534.58	437.69	186.00	50.00	4126.84

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
81/02/10	1345		7.4	8.4	83.4	7.7	2.0	5	27.9
81/03/13	1530		10.0	10.4	105.3	7.8		8	22.4
NUMBER OF SAMPLES			2	2	2	2	1	2	2
MAXIMUM VALUE			10.00	10.40	105.30	7.80	2.00	8.00	27.90
MINIMUM VALUE			7.40	8.40	83.40	7.70	2.00	5.00	22.40
ARITHMETIC MEAN			8.70	9.40	94.35	7.75		6.50	25.15
GEOMETRIC MEAN			8.60	9.35	93.71	7.75		6.32	25.00
LOG/GEOMETRIC MEAN			2.15	2.24	4.54	2.05		1.84	3.22
MEDIAN			8.70	9.40	94.35	7.75		6.50	25.15
STANDARD DEV OF LOGS			0.21	0.15	0.16	0.01		0.33	0.16
STANDARD DEVIATION			1.84	1.41	15.49	0.07		2.12	3.89
VARIANCE			3.38	2.00	239.81	0.00		4.50	15.13
COEFF OF VARIATION			21.13	15.04	16.41	0.91		32.64	15.46
SUM OF VALUES			17.40	18.80	188.70	15.50		13.00	50.30
MEAN +2 STD DEV			12.38	12.23	125.32	7.89		18.24	32.93
MEAN -2 STD DEV			5.02	6.57	63.38	7.61		2.26	17.37
GEO MEAN +2 STD DEV			13.17	12.64	130.32	7.89		12.29	34.10
GEO MEAN -2 STD DEV			5.62	6.91	67.39	7.61		3.25	18.33
SUM OF SQUARES			154.76	178.72	18043.65	120.13		89.00	1280.17

Table 4c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/15	1430		5.0	10.7	93.2	7.6	5.0	18	17.0
76/01/22	1225		6.8	9.4	87.6	7.7	8.0	5	20.7
77/01/13	1445		6.8	7.6	72.6	7.3	2.0	32	24.3
78/01/30	1420		5.2	10.0	56.7	7.4	4.0	18	15.6
79/01/31	1440		5.7	10.2	97.3	7.8	11.0	9E	27.7
80/01/24	1610		5.6	9.3	83.3	7.8	3.0	5E	18.4
NUMBER OF SAMPLES			6	6	6	6	6	6	6
MAXIMUM VALUE			6.80	10.70	97.30	7.80	11.00	32.00	27.70
MINIMUM VALUE			5.00	7.60	72.60	7.30	2.00	5.00	15.60
ARITHMETIC MEAN			5.88	9.53	86.78	7.60	5.50	14.50	20.62
GEOMETRIC MEAN			5.84	9.48	86.42	7.60	4.68	11.52	20.20
LOG/GEOMETRIC MEAN			1.77	2.25	4.46	2.03	1.54	2.44	3.01
MEDIAN			5.75	9.70	87.15	7.65	4.50	13.50	19.55
STANDARD DEV OF LOGS			0.13	0.12	0.10	0.05	0.83	0.76	0.22
STANDARD DEVIATION			0.77	1.08	8.55	0.21	3.39	10.41	4.62
VARIANCE			0.59	1.17	73.15	0.04	11.50	108.30	21.38
COEFF OF VARIATION			13.10	11.33	9.86	2.76	61.66	71.77	22.43
SUM OF VALUES			35.30	57.20	520.70	45.60	33.00	87.00	123.70
MEAN +2 STD DEV			7.42	11.69	103.69	8.02	12.28	35.31	29.86
MEAN -2 STD DEV			4.34	7.37	69.88	7.18	-1.28	-6.31	11.37
GEO MEAN +2 STD DEV			7.58	12.05	105.90	8.03	16.42	52.77	31.30
GEO MEAN -2 STD DEV			4.50	7.45	70.52	7.19	1.34	2.51	13.04
SUM OF SQUARES			216.65	551.14	45553.83	346.78	239.00	1803.00	2457.19

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/02/19	1740		16.4	8.2	89.8	7.4	260.0	33	13.7
76/02/18	1440		7.0	8.2	78.2	7.2	9.0	3	23.3
77/02/25	1600		6.8	9.1	98.6	7.2	1.0	9	24.1
78/02/15	1525		7.2	9.9	95.1	7.4	4.0	5	23.8
79/02/27	1040		6.3	9.9	94.5	7.8	3.0	5E	26.5
80/02/21	1530		7.5	9.3	88.9	7.6	10.0	5	22.1
81/02/10	1345		7.4	8.4	83.4	7.7	2.0	5	27.9
NUMBER OF SAMPLES			7	7	7	7	7	7	7
MAXIMUM VALUE			16.40	9.90	95.10	7.80	260.00	33.00	27.90
MINIMUM VALUE			6.30	8.20	78.20	7.20	1.00	3.00	13.70
ARITHMETIC MEAN			8.66	9.00	88.67	7.47	41.29	9.29	23.06
GEOMETRIC MEAN			8.22	8.97	88.49	7.47	6.63	6.62	22.58
LOG/GEOMETRIC MEAN			2.11	2.19	4.48	2.01	1.89	1.89	3.12
MEDIAN			7.40	9.10	89.80	7.40	4.00	5.00	23.60
STANDARD DEV OF LOGS			0.32	0.08	0.07	0.03	1.81	0.78	0.23
STANDARD DEVIATION			3.50	0.75	6.04	0.24	96.51	10.61	4.57
VARIANCE			12.22	0.56	36.43	0.06	9313.24	112.57	20.91
COEFF OF VARIATION			40.38	8.31	6.81	3.16	233.75	114.26	19.83
SUM OF VALUES			60.60	63.00	620.70	52.30	289.00	65.00	161.40
MEAN +2 STD DEV			15.65	10.50	100.74	7.94	234.30	30.51	32.20
MEAN -2 STD DEV			1.67	7.50	76.60	7.00	-151.72	-11.93	13.91
GEO MEAN +2 STD DEV			15.60	10.60	101.74	7.95	246.49	31.27	36.05
GEO MEAN -2 STD DEV			4.33	7.60	76.97	7.01	3.18	1.40	14.14
SUM OF SQUARES			597.94	570.36	55256.95	391.09	67811.00	1279.00	3846.90

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/03/19	1515		9.7	10.0	102.5	7.7	3.0	9	25.1
76/03/17	1155		7.4	10.0	100.1	7.7	3.0	5	29.0
77/03/23	1315		8.2	9.2	92.9	7.6	1.0	14	27.7
78/03/30	1845		8.7	10.5	97.2	7.5	3.0	14	13.8
79/03/27	1020		7.3			7.6		9	22.5
80/03/17	1150		8.0	9.4	94.5	7.6	1.0	0	27.8
81/03/13	1530		10.0	10.4	105.3	7.8		8	22.4
NUMBER OF SAMPLES			7	6	6	7	5	7	7
MAXIMUM VALUE			10.00	10.50	105.30	7.80	3.00	14.00	29.00
MINIMUM VALUE			7.40	9.20	92.90	7.50	1.00	0.00	13.00
ARITHMETIC MEAN			8.50	9.92	98.75	7.64	2.20	8.43	23.93
GEOMETRIC MEAN			8.45	9.91	98.65	7.64	1.93	3.16	23.25
LOG/GEOMETRIC MEAN			2.13	2.29	4.59	2.03	0.66	1.15	3.15
MEDIAN			8.20	10.00	98.65	7.60	3.00	9.00	25.10
STANDARD DEV OF LOGS			0.12	0.05	0.05	0.01	0.60	2.57	0.28
STANDARD DEVIATION			1.02	0.52	4.76	0.10	1.10	4.93	5.48
VARIANCE			1.05	0.27	22.70	0.01	1.20	24.29	30.02
COEFF OF VARIATION			12.04	5.28	4.82	1.28	49.79	58.47	22.90
SUM OF VALUES			59.50	59.50	592.50	53.50	11.00	59.00	167.50
MEAN +2 STD DEV			10.55	10.96	108.28	7.84	4.39	18.28	34.49
MEAN -2 STD DEV			6.45	8.87	89.22	7.45	0.01	-1.43	12.97
GEO MEAN +2 STD DEV			10.70	11.02	108.63	7.84	6.46	977.59	40.40
GEO MEAN -2 STD DEV			6.67	8.91	89.59	7.45	0.58	0.01	13.38
SUM OF SQUARES			512.03	591.41	58622.85	408.95	29.00	643.00	4188.15

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/04/22	1255		9.7	9.6	100.2	7.7	1.0	14	27.8
76/04/15	1305		7.6	14.3	132.8	7.6	5.0	14	17.4
77/04/28	0830		11.3	10.2		7.9	4.0	9	
78/04/12	1500		12.4	10.8	112.0	7.6	5.0	5	17.5
79/04/10	1100		9.7	11.1	112.6	8.0	1.0	14	23.3
80/04/21	1510		8.5	10.8	98.7	7.8	6.0	0	11.7
NUMBER OF SAMPLES			6	6	5	6	6	6	5
MAXIMUM VALUE			12.60	14.30	132.80	8.00	6.00	14.00	27.80
MINIMUM VALUE			7.60	9.60	98.70	7.60	1.00	0.00	11.70
ARITHMETIC MEAN			9.90	11.13	111.22	7.77	3.67	9.33	19.54
GEOMETRIC MEAN			9.76	11.04	110.58	7.77	2.98	2.92	18.73
LOG/GEOMETRIC MEAN			2.28	2.40	4.71	2.05	1.07	1.07	2.93
MEDIAN			9.70	10.80	112.00	7.75	4.50	11.50	17.50
STANDARD DEV OF LOGS			0.18	0.14	0.12	0.02	0.84	1.15	0.33
STANDARD DEVIATION			1.52	1.64	13.66	0.16	2.16	5.85	6.18
VARIANCE			2.32	2.69	186.47	0.03	4.67	34.27	38.14
COEFF OF VARIATION			15.39	14.74	12.28	2.10	58.92	62.72	31.61
SUM OF VALUES			59.40	66.80	556.10	46.60	22.00	56.00	97.70
MEAN +2 STD DEV			13.54	14.42	138.53	8.09	7.99	21.04	31.89
MEAN -2 STD DEV			6.26	7.85	83.91	7.44	-0.65	-2.37	7.19
GEO MEAN +2 STD DEV			14.09	14.52	140.28	8.10	15.45	1580.10	36.23
GEO MEAN -2 STD DEV			6.76	8.40	87.17	7.45	0.55	0.01	9.69
SUM OF SQUARES			604.44	757.18	62595.33	362.06	104.00	494.00	2061.43

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/14	0930		9.6	9.2	94.0		4.0	10	25.0
75/05/13	1700		14.0	9.8	98.9	7.8	16.0	14	8.0
76/05/20	1315		12.2	11.6	124.1	8.3	2.0	5	23.7
77/05/18	1640		14.8	12.2	134.8	8.0	1.0	5	20.5
78/05/19	1140		15.2	10.4	113.6	8.0	8.0	14	17.2
79/05/29	1415		6.0	11.8	135.0	8.3	22.0	9	15.8
80/05/21	1510		10.3	10.4	91.0	8.2	5.0	0	24.1
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			15.20	12.20	135.00	8.30	22.00	14.00	25.00
MINIMUM VALUE			6.00	9.20	91.00	7.80	1.00	0.00	8.00
ARITHMETIC MEAN			11.73	10.77	113.34	8.10	8.29	8.14	19.19
GEOMETRIC MEAN			11.25	10.72	112.05	8.10	5.27	3.00	18.10
LOG/GEOMETRIC MEAN			2.42	2.37	4.72	2.09	1.66	1.10	2.94
MEDIAN			12.20	10.40	113.60	8.10	5.00	9.00	20.50
STANDARD DEV OF LOGS			0.33	0.10	0.16	0.02	1.10	2.85	0.40
STANDARD DEVIATION			3.32	1.12	18.45	0.20	7.85	5.15	6.06
VARIANCE			11.04	1.25	340.38	0.04	61.57	26.48	36.76
COEFF OF VARIATION			28.33	10.36	16.28	2.47	94.70	63.19	31.60
SUM OF VALUES			82.10	75.40	793.40	48.60	58.00	57.00	134.30
MEAN +2 STD DEV			18.37	13.00	150.24	8.50	23.98	18.43	31.31
MEAN -2 STD DEV			5.08	8.54	76.45	7.70	-7.41	-2.15	7.06
GEO MEAN +2 STD DEV			21.71	13.21	155.44	8.51	47.33	904.54	40.32
GEO MEAN -2 STD DEV			5.83	8.70	80.78	7.71	0.59	0.01	8.13
SUM OF SQUARES			1029.17	819.64	91968.02	393.86	658.00	623.00	2797.23

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/06/13	1455		18.8	9.3	103.4	7.2	1.0	20	8.0
75/06/12	1415		17.0	11.4	123.2	8.5	5.0	59	9.2
76/06/08	1050		11.9	9.7	96.0	7.9	4.0	14	12.2
77/06/14	1225		16.2	10.7	120.5	8.4	1.0	5	19.0
78/06/26	1300								
79/06/19	1115		12.6	9.3	99.5	8.0	2.0	9	22.4
80/06/23	0940		15.2	11.4	126.0	8.6	2.0	0	19.2
NUMBER OF SAMPLES			6	6	6	6	6	6	6
MAXIMUM VALUE			18.80	11.40	126.00	8.60	5.00	59.00	22.40
MINIMUM VALUE			11.90	9.30	96.00	7.20	1.00	0.00	8.00
ARITHMETIC MEAN			15.25	10.30	111.43	8.10	2.50	17.83	15.00
GEOMETRIC MEAN			15.09	10.26	110.77	8.09	2.08	3.93	13.94
LOG/GEOMETRIC MEAN			2.71	2.33	4.71	2.09	0.73	1.37	2.63
MEDIAN			15.70	10.20	111.95	8.20	2.00	11.50	15.60
STANDARD DEV OF LOGS			0.18	0.10	0.12	0.07	0.67	1.37	0.43
STANDARD DEVIATION			2.84	0.99	13.25	0.52	1.64	21.33	5.98
VARIANCE			8.96	0.98	175.59	0.27	2.70	454.97	35.78
COEFF OF VARIATION			17.26	9.61	11.89	6.44	65.73	119.61	39.88
SUM OF VALUES			91.50	61.82	668.60	48.60	15.00	107.00	90.00
MEAN +2 STD DEV			20.56	12.28	137.94	9.14	5.79	60.49	26.96
MEAN -2 STD DEV			10.01	8.32	84.93	7.06	-0.79	-24.83	3.04
GEO MEAN +2 STD DEV			21.49	12.43	140.76	9.23	7.99	3333.67	32.91
GEO MEAN -2 STD DEV			10.59	8.47	87.18	7.08	0.54	0.00	5.91
SUM OF SQUARES			1436.29	641.85	75302.30	395.02	51.00	4183.00	1528.68

Table 4c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/07/15	1650		15.4	10.5	117.1	8.1	4.0	5	20.0
76/07/21	1140		15.6	12.0	139.0	8.1	5.0	5	25.5
77/07/20	1515		18.9	13.0	160.4	8.3	5.0	14	25.4
78/07/10	1615		15.0	10.1	114.3	8.2	1.0	0	23.6
79/07/18	1120		20.8			8.0	1.0	18	19.8
80/07/22	0900		16.2	10.8	123.6		1.0	0	21.7
NUMBER OF SAMPLES			6	5	5	5	6	6	6
MAXIMUM VALUE			20.80	13.00	160.40	8.30	5.00	18.00	25.50
MINIMUM VALUE			15.00	10.10	114.30	8.00	1.00	0.00	19.80
ARITHMETIC MEAN			16.98	11.28	130.88	8.14	2.83	7.00	22.67
GEOMETRIC MEAN			16.86	11.23	129.83	8.14	2.15	0.73	22.55
LOG/GEOMETRIC MEAN			2.82	2.42	4.87	2.10	0.77	-0.31	3.12
MEDIAN			15.90	10.80	123.60	8.10	2.50	5.00	22.65
STANDARD DEV OF LOGS			0.13	0.19	0.14	0.01	0.84	3.90	0.11
STANDARD DEVIATION			2.33	1.19	19.07	0.11	2.04	7.43	2.55
VARIANCE			5.44	1.43	363.79	0.01	4.17	55.20	6.53
COEFF OF VARIATION			13.74	10.59	14.57	1.40	72.04	106.14	11.27
SUM OF VALUES			101.90	56.40	654.40	40.70	17.00	42.00	136.00
MEAN +2 STD DEV			21.65	13.67	169.03	8.37	6.92	21.86	27.78
MEAN -2 STD DEV			12.32	8.89	92.73	7.91	-1.25	-7.86	17.56
GEO MEAN +2 STD DEV			21.93	13.82	171.86	8.37	11.67	1798.27	28.26
GEO MEAN -2 STD DEV			12.96	9.13	98.08	7.91	0.40	0.00	17.98
SUM OF SQUARES			1757.41	641.98	87103.02	331.35	69.00	570.00	3115.30

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/08/13	1115		15.0			8.0	3.0	0	12.0
75/08/13	1645		18.2	13.6	166.3	8.2	1.0	5	26.1
76/08/25	1200		13.7	8.2	89.5	8.0	6.0	9	22.0
77/08/17	1425		22.6	11.3	150.5	8.0	1.0	14	26.5
78/08/22	1720		14.9	8.9	97.2	7.2	10.0	14	18.2
79/08/27	1355		16.9	9.7	114.0	8.3	3.0	5	26.5
80/08/29	1635		15.7	8.4	96.7		1.0	0	24.2
NUMBER OF SAMPLES			7	6	6	6	7	7	7
MAXIMUM VALUE			22.60	13.60	166.30	8.30	10.00	14.00	26.50
MINIMUM VALUE			13.70	8.20	89.50	7.20	1.00	0.00	12.00
ARITHMETIC MEAN			16.71	10.05	119.37	7.95	3.57	6.71	22.21
GEOMETRIC MEAN			16.51	9.88	116.05	7.94	2.46	1.01	21.51
LOG/GEOMETRIC MEAN			2.80	2.29	4.75	2.07	0.90	0.01	3.07
MEDIAN			15.70	9.39	106.60	8.00	3.00	5.00	24.20
STANDARD DEV OF LOGS			0.17	0.20	0.26	0.05	0.94	3.65	0.29
STANDARD DEVIATION			2.96	2.07	31.88	0.39	3.36	5.88	5.42
VARIANCE			8.87	4.30	1016.10	0.15	11.29	34.57	29.38
COEFF OF VARIATION			17.82	20.65	26.70	4.89	94.06	87.57	24.40
SUM OF VALUES			117.00	60.27	716.20	47.70	25.00	47.00	155.50
MEAN +2 STD DEV			22.67	14.19	183.12	8.73	10.29	18.47	31.05
MEAN -2 STD DEV			10.76	5.90	55.61	7.17	-3.15	-5.05	11.37
GEO MEAN +2 STD DEV			23.02	14.60	193.87	8.79	16.01	1513.16	38.48
GEO MEAN -2 STD DEV			11.84	6.69	69.46	7.16	0.38	0.00	12.02
SUM OF SQUARES			2008.80	626.92	90570.92	379.97	157.00	523.00	3630.59

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/09/18	1115		13.3	5.5	62.5	7.4	1.0	28	29.4
75/09/18	1215		15.5	11.2	128.9	8.2	3.0	14	24.8
76/09/17	0940		13.0			7.8	3.0	23	23.6
78/09/18	1430		15.0	10.7	113.8	8.2	3.0		13.4
79/09/19	1140		15.4	10.2	117.7	8.0	4.0	14	25.5
NUMBER OF SAMPLES			5	4	4	5	5	4	5
MAXIMUM VALUE			15.50	11.20	128.90	8.20	4.00	28.00	29.40
MINIMUM VALUE			13.00	5.50	62.50	7.40	1.00	14.00	13.40
ARITHMETIC MEAN			14.44	9.40	105.73	7.96	2.80	19.75	23.34
GEOMETRIC MEAN			14.40	9.06	101.92	7.95	2.55	18.85	22.59
LOG/GEOMETRIC MEAN			2.67	2.20	4.62	2.07	0.94	2.94	3.12
MEDIAN			15.00	10.45	115.75	8.20	3.00	18.50	24.80
STANDARD DEV OF LOGS			0.08	0.33	0.33	0.05	0.54	0.35	0.30
STANDARD DEVIATION			1.20	2.63	29.52	0.36	1.10	6.95	5.97
VARIANCE			1.43	6.93	871.36	0.13	1.20	48.25	35.60
COEFF OF VARIATION			8.29	28.00	27.92	4.49	39.12	35.17	25.56
SUM OF VALUES			72.20	37.60	422.90	39.80	14.00	79.00	116.70
MEAN +2 STD DEV			16.83	14.66	164.76	8.68	4.99	33.64	35.27
MEAN -2 STD DEV			12.05	4.14	46.69	7.24	0.61	5.86	11.41
GEO MEAN +2 STD DEV			17.04	17.58	197.29	8.72	7.48	38.16	41.41
GEO MEAN -2 STD DEV			12.17	4.64	52.65	7.26	0.67	9.31	12.32
SUM OF SQUARES			1048.30	374.22	47325.19	317.32	44.00	1705.00	2866.17

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/10/16	1345		12.2	5.9	64.8	7.6	1.0	13	27.7
75/10/17	1105		12.0	7.9	86.8	10.1	6.0	5	28.4
76/10/22	1020		8.3	7.5	76.0	7.8	2.0	23	28.9
77/10/13	1200		11.5	7.0	74.0	7.7	1.0	18	24.0
78/10/13	1045		12.2	8.7	90.2	7.8	6.0	9	18.7
80/10/07	1340								
NUMBER OF SAMPLES			5	5	5	5	5	5	5
MAXIMUM VALUE			12.20	8.70	90.20	10.10	8.00	23.00	28.40
MINIMUM VALUE			8.30	5.90	64.80	7.60	1.00	5.00	18.70
ARITHMETIC MEAN			11.24	7.40	78.36	8.20	3.60	13.60	25.36
GEOMETRIC MEAN			11.13	7.34	77.02	8.15	2.49	11.94	25.06
LOG/GEOMETRIC MEAN			2.41	1.99	4.35	2.10	0.91	2.48	3.22
MEDIAN			12.00	7.50	76.30	7.80	2.00	13.00	27.70
STANDARD DEV OF LOGS			0.17	0.15	0.13	0.12	0.98	0.60	0.18
STANDARD DEVIATION			1.67	1.04	10.25	1.07	3.21	7.13	4.12
VARIANCE			2.75	1.09	104.97	1.14	10.30	50.80	16.97
COEFF OF VARIATION			14.84	14.15	13.07	13.09	89.15	52.41	16.25
SUM OF VALUES			56.20	37.00	391.80	41.00	18.00	68.00	126.80
MEAN +2 STD DEV			14.58	9.49	98.85	10.33	10.02	27.35	33.60
MEAN -2 STD DEV			7.90	5.31	57.87	6.07	-2.82	-0.65	17.12
GEO MEAN +2 STD DEV			15.49	9.82	101.45	10.37	17.72	39.46	35.72
GEO MEAN -2 STD DEV			7.99	5.49	59.69	6.41	0.35	1.59	17.58
SUM OF SQUARES			642.52	278.16	31121.32	340.74	106.00	1128.00	3283.54

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/11/14	1030		9.6	8.5	83.5	7.6	4.0	30	19.0
75/11/20	0050		5.5	12.8	111.7	7.6	2.0	0	15.5
76/11/24	0245		7.9	7.0	67.7	7.9	2.0	23	22.5
77/11/09	0940		9.7	7.5	79.1	7.9	2.0	5	29.4
79/11/16	0950		10.1	7.9	72.3	7.6	1.0	14	25.1
NUMBER OF SAMPLES			5	5	5	5	5	5	5
MAXIMUM VALUE			10.10	12.50	111.70	7.90	4.00	30.00	29.40
MINIMUM VALUE			5.50	7.00	67.70	7.00	1.00	0.00	15.50
ARITHMETIC MEAN			8.66	8.57	82.44	7.54	2.20	14.40	22.30
GEOMETRIC MEAN			8.36	8.34	81.57	7.53	2.00	3.80	21.77
LOG/GEOMETRIC MEAN			2.12	2.12	4.40	2.02	0.69	1.10	3.08
MEDIAN			9.60	7.50	79.10	7.60	2.00	14.00	22.50
STANDARD DEV OF LOGS			0.25	0.25	0.19	0.04	0.49	3.64	0.25
STANDARD DEVIATION			1.91	2.44	17.23	0.33	1.10	12.38	5.37
VARIANCE			3.64	5.95	296.91	0.11	1.20	153.30	28.86
COEFF OF VARIATION			22.28	28.45	20.89	4.36	49.29	85.76	24.09
SUM OF VALUES			42.30	42.86	414.30	37.70	11.00	72.00	111.50
MEAN +2 STD DEV			12.37	13.45	117.32	8.20	4.39	39.16	33.04
MEAN -2 STD DEV			4.75	3.69	48.40	6.88	0.01	-10.36	11.56
GEO MEAN +2 STD DEV			13.56	13.80	120.09	8.23	5.33	4355.58	35.73
GEO MEAN -2 STD DEV			5.04	5.04	55.41	6.89	0.75	0.00	13.26
SUM OF SQUARES			380.92	391.18	35516.53	284.69	29.00	1650.00	2601.87

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/12/18	1320		7.8	9.1	98.1		2.0	13	26.2
75/12/17	2315		4.0	10.9	90.9	7.6	2.0	5	14.3
76/12/15	2055		9.2	7.1	73.3	6.8	3.0	9	27.7
77/12/20	2210		5.8	10.6	93.2	7.4	6.0	14	15.5
78/12/19	0100		6.8	8.9	86.9	7.9	3.0	0	27.5
79/12/12	2115		6.6	9.2	87.1	7.6	3.0	5	23.6
80/12/15	1630		6.3	9.7	88.7	7.7	3.0	0	19.6
NUMBER OF SAMPLES			7	7	7	6	7	7	7
MAXIMUM VALUE			9.20	10.90	93.20	7.90	6.00	14.00	27.70
MINIMUM VALUE			4.00	7.10	73.30	6.80	2.00	0.00	14.30
ARITHMETIC MEAN			6.64	9.37	87.17	7.50	3.14	6.57	22.06
GEOMETRIC MEAN			6.48	9.29	86.95	7.49	2.95	1.50	21.39
LOG/GEOMETRIC MEAN			1.87	2.23	4.47	2.01	1.08	0.00	3.06
MEDIAN			6.60	9.24	88.70	7.60	3.00	5.00	23.60
STANDARD DEV OF LOGS			0.26	0.14	0.08	0.05	0.37	3.65	0.28
STANDARD DEVIATION			1.82	1.25	6.50	0.38	1.35	5.88	5.63
VARIANCE			2.82	1.57	42.28	0.14	1.81	32.29	31.70
COEFF OF VARIATION			24.36	13.38	7.46	5.06	42.80	88.47	25.53
SUM OF VALUES			46.50	65.56	610.20	45.00	22.00	46.00	154.40
MEAN +2 STD DEV			9.88	11.87	100.18	8.26	5.83	17.94	33.32
MEAN -2 STD DEV			3.41	6.86	74.17	6.74	0.45	-4.79	10.80
GEO MEAN +2 STD DEV			10.87	12.32	101.87	8.31	6.14	1471.17	37.08
GEO MEAN -2 STD DEV			3.84	7.01	74.21	6.75	1.42	0.00	12.03
SUM OF SQUARES			324.61	623.44	53445.66	338.22	80.00	496.00	3595.84

Table 5a.

ECB201 ECOBAM ADJACENT TO CONCRETE PIER

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/28	0915		12.4	4.0	5.2	3.0	425	15.0		40.7	0.000	615900	35439	651340
74/06/13	0910		14.0	7.5	6.4	2.0	22	16.0		79.3	0.095	630160	37651	667820
74/08/12	1420		17.0		7.2	1.0		21.0			0.000	572880	39703	612590
74/09/18	0815		13.9	5.2	6.9	5.0	120	26.5		58.6	0.000	656580	37866	694450
74/10/17	0945		11.5	2.3	7.1	3.0	293	28.4		25.0		763030	39591	802630
74/11/13	1240		10.1	7.3	7.2	3.0	25	9.2		68.2		507130	34540	541670
74/12/19	1000		8.3	7.0		3.0	95	25.0		69.5	0.229	541640	40501	582140
75/01/16	0915		6.5	6.6	6.7	7.0	130					578450	36392	614840
75/03/20	0930		14.0	8.0	6.5	3.0	150	25.1		89.6	0.000	459120	30565	489690
75/04/14	1200		9.5	9.7	7.7	4.0	14	22.6		97.3	0.000	212500	21334	233830
75/05/13	1200		13.2	4.3	5.6	7.0	440	11.8		43.6	0.250	258730	25880	284610
75/06/11	0900		13.9	9.6	8.5	2.0	32	13.0		99.5	0.439	158040	31847	189990
75/07/24	1005		18.0	11.4	8.2	2.0	18	21.5		135.0		225770	28444	254210
75/08/13	0905		17.3	9.8	7.4	2.0	20	25.4		117.2	0.817	300060	30855	330920
75/09/18	1340		15.0	9.8	8.0	3.0	9	24.5		111.5	1.000	258260	30351	288610
75/10/16	1405		11.5	6.8	6.5	3.0	14	29.2		72.0		207250	33437	240680
75/11/21	0940		8.0	9.9	7.2	3.0	9	18.9		93.7		33669	22415	56084
75/12/17	1325		7.5	10.3	7.4	4.0	5	14.2		93.5		309060	34008	343070
76/01/22	1015		6.0	12.2	7.6	4.0	0	17.2		109.0	0.650	257980	37931	295910
76/02/19	0915		6.3	9.4	7.6	3.0	9	22.2		87.5	0.000	293710	33612	327320
76/03/18	0950		7.2	10.5	7.2	2.0	45	31.0		106.1	0.000	5500	50044	55544
76/04/22	1010		8.2	11.7	8.2	6.0	18	12.5	1.2	106.8	1.199	296710	35050	331760
76/05/19	1915		10.9	11.3	8.3	2.0	9	22.3	2.4	116.6	0.337	247730	40057	287730
76/06/08	1315		12.6	9.7	7.1	4.0	9	13.4	1.8	98.1	0.650	307740	34301	342040
76/07/20	1240		15.8	13.0	8.2	2.0	5	23.0	1.8	148.8	0.000	231390	40591	271980
76/08/24	1325		14.5	8.0	7.4	2.0	9	20.6	3.2	87.9	0.187	333360	36083	373430
76/09/16	1435		14.2	10.8	6.9	1.0	9	22.8	2.1	119.7	0.000	248360	41215	289570
76/10/21	1335		9.4	5.9	7.3	2.0	41	27.0	1.2	60.8		230050	38151	268200
76/11/23	1420		9.2	6.7	6.8	1.0	14	26.9	4.3	68.7		278930	36926	315860
76/12/15	1418		8.7	8.5	6.8	2.0	14	26.6	4.3	86.1		231890	38167	270050
77/01/13	1225		8.1	5.5	7.3	1.0	32	29.3	3.7	56.0		202780	40523	243310
77/03/24	0910		7.1	8.5	7.7	1.0	9	30.3	8.5	85.3	0.503	291520	37794	329310
77/04/27	1235		12.1	9.7	7.8	3.0	9		2.7		0.916	273640	39729	313370
77/05/11	1035		11.3	10.5	8.2	1.0	9	23.5	2.7	110.1	0.812	270770	39060	390830
77/06/13	1500		17.4	10.2	7.6	8.0	0	14.8	0.6	114.7	0.054	256590	38447	295040
77/07/21	0910		13.8	7.2	7.7	4.0	18	28.7	4.0	82.2		294670	44513	339180
77/08/18	0910		17.0	8.7	7.9	1.0	18	26.9	2.7	104.5		317150	42430	359580
77/09/15	0945		12.1	7.6	7.6	1.0	18	28.3	8.9	83.7		210120	36959	247080
77/10/12	1330		12.0	6.5	7.7	1.0	18	25.6	5.2	70.1		322740	19231	341970
77/11/08	1340		10.0	7.5	7.7	1.0	9	28.0	3.0	78.9		252220	49658	301880
77/12/20	1325		4.9	10.8	7.5	4.0	5	11.1	1.5	90.2		226900	42364	269260
78/01/12	1040		6.4	8.9	7.0	2.0	9	28.2	3.3	86.6		235100	38427	273530
78/02/15	1115		7.4	8.7	7.2	2.0	9	28.7	3.0	87.0		224410	42553	266960
78/03/31	1010		8.8	9.9	7.6	2.0	14	16.7	4.2	94.1	0.439	245920	39062	284980
78/04/13	0810		9.8	11.4	8.1	2.0	9	15.4	1.5	109.9		291660	36750	328410
78/05/03	1415		11.9	11.8	7.8	3.0	0	17.7	1.7	120.8	0.230	199370	45003	244370
78/06/26	0910		14.6	8.2	7.6	2.0	5	23.1	4.0	91.7	0.897	253790	35962	289750
78/07/28	1115		16.2	8.0	7.6	2.0	32	23.4	3.7	92.5	0.421	222490	43963	266450
78/08/22	1355		13.5	7.3	7.2	10.0K	9	18.3	2.5	77.5		124100	35009	159110
78/09/19	0915		12.4	7.3	7.8	1.0		16.3	5.0	74.8		6000	0	6000
78/10/13	1100		12.2	8.5	7.8	2.0	5	18.5	2.5	88.0		0	0	0
78/11/30	1340		8.7	7.0	7.5	2.0	9	28.4	2.3	71.8		3600	0	3600
78/12/19	0935		6.4	8.9	7.9	2.0	0	28.6	5.5	86.8	0.000	0	0	0
79/01/31	0935		4.9	9.2	7.7	2.0	5	28.7	7.5	86.7		0	0	0
79/02/26	1425		6.9	9.0	7.8	2.0	5K	27.0	6.0	87.8	0.000	107170	38802	145980
79/03/26	1400		9.3	9.0	7.3		18	21.7	4.5	89.4		317030	35675	352710
79/04/09	1430		9.8	11.2	7.9	1.0	18	26.1	3.0	115.8	0.353	100610	34680	135290
79/05/30	0935		13.5	10.7	8.3	14.0	5	19.4	4.0	116.0		89847	40208	130050
79/06/19	1345		12.8	9.3	7.9	1.0	5	24.0	4.5	100.9	0.358	95859	33531	129390
79/07/17	1340		21.2		7.8	1.0	9	19.7	4.0			178260	43217	221480
79/08/28	0920		14.2	6.3	7.6	1.0	23	26.4	2.4	71.4	0.096	171820	34856	206680
79/09/18	1555		15.0	8.9	8.2	2.0	5	26.4	2.2	102.5		126390	38493	164880
79/10/16	1430		11.9	5.3	7.6	3.0	28	28.0	3.8	58.0		130080	36066	166150
79/11/15	1330		8.7	6.5	7.4	2.0	23	28.6	6.1	66.9		173670	42660	216330
79/12/12	1325		6.8	10.1	7.5	5.0	5	14.3	1.2	90.2		196450	26152	222610
80/01/25	1050		4.8	10.3	7.9	3.0	5K	18.8	2.1	90.3		4425	11841	16266
80/02/22	1000		7.3	9.0	7.4	2.0	0	25.1	3.0	87.4		6308	7532	13840
80/03/17	0840		10.3	8.8	7.6	2.0	0	23.4	6.0	90.3		3289	9653	12942
80/04/21	1210		10.1	10.0	8.0	2.0	5	22.1	1.5	101.3	0.918	2950	6864	9814
80/05/21	1155		10.4	8.9	7.8	2.0	14	26.5	1.6	93.4		3090	4983	8073
80/06/23	1500		13.6	10.8	8.3	3.0	0	21.4	3.0	117.2	1.760	3325	7119	10444
80/07/22	1400		18.2	11.0		2.0	0	21.2	2.4	130.5		3889	6199	10088
80/08/29	0745		11.9	7.5		1.0	0	27.2	3.6	81.6	0.000	4340	7126	11466
80/10/07	1450		12.8	11.1	8.3	1.0	9	27.5	3.6	123.3		2767	11048	13815
80/11/20	1235		8.2	7.7	7.6	1.0	9	28.5	3.0	78.2		4398	7128	11526
80/12/15	1125		4.7	9.2	7.6	2.0	0	19.0	3.9	80.6		2491	4533	7024
81/03/13	1230		9.0	9.8	7.7		4	22.3	3.0	97.0		12573	7265	19838

Table 5b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/28	0915		12.4	4.0	40.7	5.2	3.0	425	15.0
74/06/13	0919		14.0	7.5	79.3	6.4	2.0	22	16.0
74/08/12	1420		17.0			7.2	1.0		21.0
74/09/18	0815		13.9	5.2	58.6	6.9	5.0	120	26.5
74/10/17	0945		11.5	2.3	25.0	7.1	3.0	293	28.4
74/11/13	1240		10.1	7.3	68.2	7.2	3.0	25	9.2
74/12/19	1000		8.3	7.0	69.5		3.0	95	25.0
NUMBER OF SAMPLES			7	6	6	6	7	6	7
MAXIMUM VALUE			17.00	7.50	79.30	7.20	5.00	425.00	28.40
MINIMUM VALUE			8.30	2.30	25.00	5.20	1.00	22.00	9.20
ARITHMETIC MEAN			12.46	5.55	56.68	6.67	2.86	163.33	20.16
GEOMETRIC MEAN			12.17	5.14	53.10	6.62	2.60	95.96	18.93
LOG/GEOMETRIC MEAN			2.50	1.64	3.97	1.89	0.96	4.56	2.94
MEDIAN			12.40	6.10	63.40	7.00	3.00	107.50	21.00
STANDARD DEV OF LOGS			0.24	0.46	0.43	0.13	0.50	1.22	0.40
STANDARD DEVIATION			2.85	2.10	20.35	0.78	1.21	161.83	7.03
VARIANCE			8.14	4.41	414.23	0.61	1.48	26188.27	49.38
COEFF OF VARIATION			22.91	37.84	35.78	11.68	42.52	99.08	34.86
SUM OF VALUES			87.20	33.30	341.30	40.00	20.00	980.00	141.10
MEAN +2 STD DEV			18.16	9.75	97.59	8.22	5.29	486.99	34.21
MEAN -2 STD DEV			6.75	1.35	16.18	5.11	0.43	-160.32	6.10
GEO MEAN +2 STD DEV			19.51	12.96	126.61	8.53	7.06	1109.50	42.29
GEO MEAN -2 STD DEV			7.59	2.04	22.27	5.14	0.96	8.30	8.46
SUM OF SQUARES			1135.12	206.87	21485.43	269.70	66.00	291008.00	3140.45

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/16	0915		6.5	6.6		6.7	7.0	130	
75/03/20	0930		14.0	8.0	89.6	6.5	3.0	150	25.1
75/04/14	1200		9.5	9.2	97.3	7.7	4.0	14	22.6
75/05/13	1200		13.2	4.3	43.6	5.6	7.0	440	11.8
75/06/11	0900		13.9	9.6	99.5	8.5	2.0	32	13.0
75/07/24	1005		18.0	11.4	135.0	8.2	2.0	18	21.5
75/08/13	0905		17.3	9.8	117.2	7.4	2.0	20	25.4
75/09/18	1340		15.0	9.8	111.5	8.0	3.0	9	24.5
75/10/16	1405		11.5	6.8	72.0	6.5	3.0	14	29.2
75/11/21	0940		8.0	9.9	93.7	7.2	3.0	7	18.9
75/12/17	1325		7.5	10.3	93.5	7.4	4.0	5	14.2
NUMBER OF SAMPLES			11	11	10	11	11	11	10
MAXIMUM VALUE			18.00	11.40	135.00	8.50	7.00	440.00	29.20
MINIMUM VALUE			6.50	4.30	43.60	5.60	2.00	5.00	11.80
ARITHMETIC MEAN			12.22	8.75	95.29	7.25	3.64	76.45	20.62
GEOMETRIC MEAN			11.60	8.47	91.71	7.20	3.30	27.86	19.77
LOG/GEOMETRIC MEAN			2.45	2.14	4.52	1.97	1.19	3.33	2.98
MEDIAN			13.20	9.70	95.50	7.40	3.00	18.00	22.05
STANDARD DEV OF LOGS			0.35	0.28	0.31	0.12	0.45	1.40	0.32
STANDARD DEVIATION			3.93	2.88	24.93	0.86	1.80	130.78	5.93
VARIANCE			15.46	8.34	621.54	0.74	3.25	17102.87	35.15
COEFF OF VARIATION			32.18	23.81	26.16	11.89	49.61	171.05	28.75
SUM OF VALUES			134.40	96.20	952.90	79.70	40.00	841.00	206.20
MEAN +2 STD DEV			20.08	12.91	145.15	8.97	7.24	338.91	32.48
MEAN -2 STD DEV			4.35	4.58	45.43	5.52	0.03	-185.10	8.76
GEO MEAN +2 STD DEV			23.24	14.91	170.84	9.20	8.06	457.91	37.17
GEO MEAN -2 STD DEV			5.79	4.81	49.23	5.63	1.35	1.69	10.52
SUM OF SQUARES			1796.74	884.68	96395.69	584.89	178.00	235327.00	4568.16

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/01/22	1015		6.0	12.2	109.0	7.6	4.0	0	17.2	
76/02/19	0915		6.3	9.4	87.5	7.6	3.0	9	22.2	
76/03/18	0950		7.2	10.5	106.1	7.2	2.0	45	31.0	
76/04/22	1010		8.2	11.7	106.8	8.2	6.0	18	12.5	1.2
76/05/19	1915		10.9	11.3	116.6	8.3	2.0	9	22.3	2.4
76/06/08	1315		12.6	9.7	98.1	7.1	4.0	9	13.4	1.8
76/07/20	1240		15.8	13.0	148.6	8.2	2.0	5	23.0	1.8
76/08/24	1325		14.5	8.0	87.9	7.4	2.0	9	20.6	3.2
76/09/16	1435		14.2	10.8	119.7	6.9	1.0	9	22.8	2.1
76/10/21	1335		9.4	5.9	60.8	7.3	2.0	41	27.0	3.2
76/11/23	1420		9.2	6.7	68.7	6.8	1.0	14	26.9	4.3
76/12/15	1418		8.7	8.5	86.1	6.8	2.0	14	26.6	4.3
NUMBER OF SAMPLES			12	12	12	12	12	12	12	9
MAXIMUM VALUE			15.80	13.00	148.80	8.30	6.00	45.00	31.00	4.30
MINIMUM VALUE			6.00	5.90	60.80	6.80	1.00	0.00	12.50	1.20
ARITHMETIC MEAN			10.25	9.81	99.68	7.45	2.58	15.17	22.13	2.70
GEOMETRIC MEAN			9.76	9.56	97.03	7.43	2.27	6.79	21.49	2.49
LOG/GEOMETRIC MEAN			2.28	2.26	4.57	2.01	0.82	1.92	3.06	0.91
MEDIAN			9.30	10.10	102.10	7.35	2.00	9.00	22.55	2.40
STANDARD DEV OF LOGS			0.33	0.24	0.25	0.07	0.53	2.36	0.28	0.43
STANDARD DEVIATION			3.33	2.20	23.79	0.54	1.44	13.79	5.58	1.11
VARIANCE			11.07	4.84	565.83	0.30	2.08	190.13	31.09	1.24
COEFF OF VARIATION			32.47	22.44	23.86	7.30	55.87	90.92	25.20	41.28
SUM OF VALUES			123.00	117.70	1196.10	89.40	31.00	182.00	265.50	24.30
MEAN +2 STD DEV			16.91	14.21	147.25	8.54	5.47	42.75	33.28	4.93
MEAN -2 STD DEV			3.59	5.41	52.10	6.36	-0.30	-12.41	10.97	0.47
GEO MEAN +2 STD DEV			18.78	15.56	158.59	8.59	4.56	764.47	37.44	5.92
GEO MEAN -2 STD DEV			5.08	5.88	59.36	6.43	0.78	0.06	12.23	1.05
SUM OF SQUARES			1382.56	1207.71	175445.35	669.28	103.00	4852.00	6216.15	75.55

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
77/01/13	1225		8.1	5.5	56.0	7.3	1.0	12	29.3	3.7
77/03/24	0910		7.1	8.5	85.3	7.7	1.0	9	30.3	8.5
77/04/27	1235		12.1	9.7		7.6	3.0	9		2.7
77/05/11	1035		11.3	10.5	110.1	8.2	1.0	9	23.5	2.7
77/06/13	1500		17.4	10.2	114.7	7.6	8.0	9	14.8	0.6
77/07/21	0910		13.8	7.2	92.2	7.7	4.0	18	28.7	4.0
77/08/18	0910		17.0	8.7	104.5	7.9	1.0	18	26.9	2.7
77/09/15	0945		12.1	7.6	83.7	7.6	1.0	18	28.3	8.9
77/10/12	1330		12.0	6.5	70.1	7.7	1.0	18	29.6	5.2
77/11/08	1340		10.0	7.5	78.9	7.7	1.0	0	28.0	3.0
77/12/20	1325		4.9	10.8	90.2	7.5	4.0	5	11.1	1.5
NUMBER OF SAMPLES			11	11	10	11	11	11	10	11
MAXIMUM VALUE			17.40	10.80	114.70	8.20	8.00	32.00	30.30	8.90
MINIMUM VALUE			4.90	5.50	56.00	7.30	1.00	0.00	11.10	0.60
ARITHMETIC MEAN			11.44	8.43	87.57	7.70	2.36	12.36	24.65	3.95
GEOMETRIC MEAN			10.78	8.26	85.81	7.70	1.72	3.15	23.60	3.16
LOG/GEOMETRIC MEAN			2.38	2.11	4.45	2.04	0.54	1.15	3.16	1.15
MEDIAN			12.00	8.50	84.50	7.70	1.00	9.00	27.45	3.00
STANDARD DEV OF LOGS			0.38	0.21	0.22	0.03	0.78	3.23	0.34	0.76
STANDARD DEVIATION			3.85	1.73	18.15	0.23	2.25	9.52	6.52	2.64
VARIANCE			14.80	3.01	329.24	0.05	5.05	90.65	42.49	6.96
COEFF OF VARIATION			33.64	20.59	20.72	2.94	95.12	77.01	26.44	66.74
SUM OF VALUES			125.80	92.70	875.70	84.70	26.00	136.00	246.50	43.50
MEAN +2 STD DEV			19.13	11.90	123.86	8.16	6.86	31.41	37.69	9.23
MEAN -2 STD DEV			3.74	4.96	51.28	7.24	-2.13	-6.68	11.61	-1.32
GEO MEAN +2 STD DEV			22.91	12.69	132.19	8.16	8.25	2805.69	46.28	14.42
GEO MEAN -2 STD DEV			5.07	5.39	55.70	7.26	0.36	0.00	12.04	0.69
SUM OF SQUARES			1586.74	811.31	79448.23	652.71	112.00	2588.00	6458.63	241.67

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
78/01/12	1040		6.4	8.9	86.6	7.0	2.0	0	28.2	3.3
78/02/15	1115		7.4	8.7	87.0	7.2	2.0	9	28.7	3.0
78/03/31	1010		8.8	9.9	94.1	7.6	2.0	14	16.7	4.2
78/04/13	0810		9.8	11.4	109.9	8.1	2.0	9	15.4	1.5
78/05/03	1415		11.9	11.8	120.8	7.8	3.0	0	17.7	1.7
78/06/26	0910		14.6	8.2	91.7	7.6	2.0	5	23.1	4.0
78/07/20	1115		16.2	8.0	92.5	7.6	2.0	32	23.4	3.7
78/08/22	1355		13.5	7.3	77.5	7.2	10.0E	9	18.3	2.5
78/09/19	0915		12.4	7.3	74.8	7.8	1.0		14.3	5.0
78/10/13	1100		12.2	8.5	88.0	7.8	2.0	5	18.5	2.5
78/11/30	1340		8.7	7.0	71.8	7.5	2.0	9	28.4	2.3
78/12/19	0935		6.4	8.9	86.8	7.9	2.0	0	28.6	5.5
NUMBER OF SAMPLES			12	12	12	12	12	11	12	12
MAXIMUM VALUE			16.20	11.80	120.80	8.10	10.00	32.00	28.70	5.50
MINIMUM VALUE			6.40	7.00	71.80	7.00	1.00	0.00	15.40	1.50
ARITHMETIC MEAN			10.69	8.83	90.13	7.59	2.67	8.36	21.94	3.28
GEOMETRIC MEAN			10.23	8.71	89.20	7.59	2.23	1.22	21.34	3.05
LOG/GEOMETRIC MEAN			2.32	2.16	4.49	2.03	0.80	0.20	3.04	1.12
MEDIAN			10.85	8.60	87.50	7.60	2.00	9.00	20.80	3.15
STANDARD DEV OF LOGS			0.32	0.17	0.15	0.04	0.53	3.57	0.25	0.40
STANDARD DEVIATION			3.25	1.53	13.69	0.32	2.35	9.08	5.39	1.25
VARIANCE			10.56	2.35	193.07	0.10	5.52	82.45	29.05	1.57
COEFF OF VARIATION			30.40	17.36	15.42	4.26	88.07	108.57	24.56	38.22
SUM OF VALUES			128.30	105.90	1081.50	91.10	32.00	92.00	263.30	39.30
MEAN +2 STD DEV			17.19	11.89	117.91	8.24	7.36	26.52	32.72	5.78
MEAN -2 STD DEV			4.19	5.76	62.34	6.95	-2.03	-9.80	11.16	0.77
GEO MEAN +2 STD DEV			19.25	12.14	119.92	8.27	6.44	1536.05	34.91	6.83
GEO MEAN -2 STD DEV			5.43	6.25	66.36	6.96	0.77	0.00	13.05	1.36
SUM OF SQUARES			1487.91	960.39	99593.93	692.75	146.00	1594.00	6096.79	145.95

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
79/01/31	0935		4.9	9.2	86.7	7.7	2.0	5	28.7	7.5
79/02/26	1425		6.9	9.0	87.8	7.8	2.0	5E	27.0	6.0
79/03/26	1400		7.3	9.0	88.4	7.3		10	21.7	5.5
79/04/09	1430		9.8	11.2	115.8	7.9	1.0	18	26.1	3.0
79/05/30	0935		13.5	10.7	116.0	8.3	14.0	5	19.4	4.0
79/06/19	1345		12.8	9.3	100.9	7.9	1.0	5	24.0	4.5
79/07/17	1340		21.2			7.8	1.0	9	19.7	4.0
79/08/28	0920		14.2	6.3	71.4	7.6	1.0	23	26.4	2.4
79/09/18	1555		15.0	8.9	102.5	8.2	2.0	5	26.4	2.2
79/10/16	1430		11.9	5.3	58.0	7.6	3.0	28	28.0	3.8
79/11/15	1330		6.7	6.5	66.9	7.4	2.0	23	28.8	6.1
79/12/12	1325		6.8	10.1	98.2	7.5	5.0	5	14.3	1.2
NUMBER OF SAMPLES			12	11	11	12	11	12	12	12
MAXIMUM VALUE			21.20	11.20	116.00	8.30	14.00	28.00	28.80	7.50
MINIMUM VALUE			4.90	5.30	58.00	7.30	1.00	5.00	14.30	1.20
ARITHMETIC MEAN			11.25	8.70	89.60	7.75	3.09	12.42	24.21	4.18
GEOMETRIC MEAN			10.45	8.49	87.71	7.74	2.09	9.68	23.76	3.69
LOG/GEOMETRIC MEAN			2.35	2.14	4.47	2.05	0.74	2.27	3.17	1.31
MEDIAN			10.85	9.00	89.40	7.75	2.00	7.00	26.25	4.00
STANDARD DEV OF LOGS			0.41	0.24	0.22	0.04	0.82	0.74	0.21	0.51
STANDARD DEVIATION			4.48	1.87	18.80	0.30	3.81	8.98	4.52	1.80
VARIANCE			20.10	3.48	353.46	0.09	14.49	79.17	20.42	3.25
COEFF OF VARIATION			39.85	21.45	20.98	3.87	123.16	71.66	18.66	43.95
SUM OF VALUES			135.00	95.69	985.60	93.00	34.00	149.00	290.50	49.20
MEAN +2 STD DEV			20.22	12.43	127.20	8.35	10.70	30.21	33.25	7.78
MEAN -2 STD DEV			2.28	4.97	52.00	7.15	-4.52	-5.38	15.17	0.50
GEO MEAN +2 STD DEV			23.63	13.63	136.39	8.36	10.74	42.49	34.23	10.20
GEO MEAN -2 STD DEV			4.62	5.29	56.40	7.17	0.41	2.20	15.58	1.34
SUM OF SQUARES			1739.86	867.24	91344.40	721.74	250.00	2721.00	7257.07	237.44

Table 5b, continued.

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
80/01/25	1050		4.8	10.3	90.3	7.9	3.0	5K	18.8	2.1
80/02/22	1000		7.3	9.0	87.4	7.4	2.0	0	25.1	3.0
80/03/17	0840		10.3	8.8	90.3	7.6	2.0	0	23.4	6.0
80/04/21	1210		10.1	10.0	101.3	8.0	2.0	5	22.1	1.5
80/05/21	1155		10.4	8.9	93.4	7.8	2.0	14	26.5	1.6
80/06/23	1500		13.6	10.8	117.2	8.3	3.0	0	21.4	3.0
80/07/22	1400		18.2	11.0	130.5		2.0	0	21.2	2.4
80/08/29	0745		11.9	7.5	81.6		1.0	0	27.2	3.6
80/10/07	1450		12.8	11.1	123.3	8.3	1.0	9	27.5	3.6
80/11/20	1235		8.2	7.7	78.2	7.6	1.0	9	28.5	3.0
80/12/15	1125		4.7	9.2	80.6	7.6	2.0	0	19.0	3.9
NUMBER OF SAMPLES			11	11	11	9	11	11	11	11
MAXIMUM VALUE			18.20	11.10	130.50	8.30	3.00	14.00	28.50	6.00
MINIMUM VALUE			4.70	7.50	78.20	7.40	1.00	0.00	18.80	1.50
ARITHMETIC MEAN			10.21	9.48	97.65	7.83	1.91	3.82	23.70	3.06
GEOMETRIC MEAN			9.47	9.40	96.21	7.83	1.78	0.14	23.47	2.85
LOG/GEOMETRIC MEAN			2.25	2.24	4.57	2.06	0.58	-1.96	3.16	1.05
MEDIAN			10.30	9.20	90.30	7.80	2.00	0.00	23.40	3.00
STANDARD DEV OF LOGS			0.42	0.14	0.18	0.04	0.40	3.85	0.15	0.40
STANDARD DEVIATION			3.96	1.26	18.14	0.32	0.70	4.98	3.46	1.26
VARIANCE			15.71	1.58	329.03	0.10	0.49	24.76	11.98	1.59
COEFF OF VARIATION			38.82	13.26	18.58	4.09	36.70	130.33	14.61	41.11
SUM OF VALUES			112.30	104.30	1074.10	70.50	21.00	42.00	260.70	33.70
MEAN +2 STD DEV			18.14	12.00	133.92	8.47	3.31	13.77	30.62	5.58
MEAN -2 STD DEV			2.28	6.97	61.37	7.19	0.51	-6.13	16.78	0.54
GEO MEAN +2 STD DEV			21.93	12.34	137.26	8.49	3.99	310.71	31.57	6.39
GEO MEAN -2 STD DEV			4.09	7.17	67.44	7.22	0.80	0.00	17.44	1.27
SUM OF SQUARES			1303.57	1004.77	108171.33	553.07	45.00	408.00	6298.41	119.11

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
81/03/13	1230		9.0	9.8	97.0	7.7		4	22.3	3.0
NUMBER OF SAMPLES			1	1	1	1	0	1	1	1
MAXIMUM VALUE			9.00	9.80	97.00	7.70		4.00	22.30	3.00
MINIMUM VALUE			9.00	9.80	97.00	7.70		4.00	22.30	3.00
ARITHMETIC MEAN										
GEOMETRIC MEAN										
LOG/GEOMETRIC MEAN										
MEDIAN										
STANDARD DEV OF LOGS										
STANDARD DEVIATION										
VARIANCE										
COEFF OF VARIATION										
SUM OF VALUES										
MEAN +2 STD DEV										
MEAN -2 STD DEV										
GEO MEAN +2 STD DEV										
GEO MEAN -2 STD DEV										
SUM OF SQUARES										

Table 5c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/01/16	0915		6.5	6.6		6.7	7.0	130		
76/01/22	1015		6.0	12.2	109.0	7.6	4.0	0	17.2	
77/01/13	1225		8.1	5.5	56.0	7.3	1.0	32	29.3	3.7
78/01/12	1040		6.4	8.9	86.6	7.0	2.0	0	28.2	3.3
79/01/31	0935		4.9	9.2	86.7	7.7	2.0	5	28.7	7.5
80/01/25	1050		4.8	10.3	98.3	7.9	3.0	SE	18.8	2.1
NUMBER OF SAMPLES			6	6	5	6	6	6	5	4
MAXIMUM VALUE			8.10	12.20	109.00	7.90	7.00	130.00	29.30	7.50
MINIMUM VALUE			4.80	5.50	56.00	6.70	1.00	0.00	17.20	2.10
ARITHMETIC MEAN			6.12	8.78	85.72	7.37	3.17	28.67	24.44	4.15
GEOMETRIC MEAN			6.02	8.49	83.62	7.35	2.64	1.17	23.82	3.72
LOG/GEOMETRIC MEAN			1.79	2.14	4.43	2.00	0.97	8.16	3.17	1.31
MEDIAN			6.20	9.05	86.70	7.45	2.50	5.00	28.20	3.50
STANDARD DEV OF LOGS			0.20	0.29	0.24	0.06	0.67	4.40	0.26	0.53
STANDARD DEVIATION			1.22	2.44	19.03	0.45	2.14	51.98	5.92	2.33
VARIANCE			1.48	5.94	361.99	0.21	4.57	2608.67	35.03	5.45
COEFF OF VARIATION			19.87	27.75	22.20	6.17	67.48	178.17	24.22	56.25
SUM OF VALUES			36.70	52.70	428.60	44.20	19.00	172.00	122.20	16.60
MEAN +2 STD DEV			8.55	13.66	123.77	8.26	7.44	130.82	36.28	8.82
MEAN -2 STD DEV			3.69	3.91	47.67	6.46	-1.11	-73.48	12.60	-0.52
GEO MEAN +2 STD DEV			8.90	15.25	136.73	8.33	19.05	7817.09	39.98	10.66
GEO MEAN -2 STD DEV			4.07	4.72	51.39	6.49	0.69	0.00	14.19	1.30
SUM OF SQUARES			231.87	492.59	38187.54	326.64	83.00	17974.00	3126.70	85.24

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/02/19	0915		6.3	9.4	87.5	7.6	3.0	9	22.2	
78/02/15	1115		7.4	8.7	87.0	7.2	2.0	9	28.7	3.0
79/02/26	1425		6.9	9.0	87.8	7.8	2.0	SE	27.0	6.0
80/02/22	1000		7.3	9.0	87.4	7.4	2.0	0	25.1	3.0
NUMBER OF SAMPLES			4	4	4	4	4	4	4	3
MAXIMUM VALUE			7.40	9.40	87.80	7.80	3.00	9.00	28.70	6.00
MINIMUM VALUE			6.30	8.70	87.00	7.20	2.00	0.00	22.20	3.00
ARITHMETIC MEAN			6.98	9.03	87.43	7.50	2.25	5.75	25.75	4.00
GEOMETRIC MEAN			6.96	9.02	87.42	7.50	2.21	1.19	25.63	3.78
LOG/GEOMETRIC MEAN			1.94	2.20	4.47	2.01	0.79	0.18	3.24	1.33
MEDIAN			7.10	9.00	87.45	7.50	2.00	7.00	26.05	3.00
STANDARD DEV OF LOGS			0.07	0.03	0.00	0.03	0.20	3.66	0.11	0.40
STANDARD DEVIATION			0.50	0.29	0.33	0.26	0.50	4.27	2.79	1.73
VARIANCE			0.25	0.08	0.11	0.07	0.25	18.25	7.74	3.00
COEFF OF VARIATION			7.16	3.18	0.38	3.44	22.22	74.30	10.82	43.30
SUM OF VALUES			27.90	36.10	349.70	30.00	9.00	23.00	103.00	12.00
MEAN +2 STD DEV			7.97	9.60	88.09	8.02	3.25	14.29	31.32	7.46
MEAN -2 STD DEV			5.98	8.45	86.76	6.98	1.25	-2.79	20.18	0.54
GEO MEAN +2 STD DEV			8.06	9.61	88.09	8.03	3.32	1805.34	31.97	8.42
GEO MEAN -2 STD DEV			6.01	8.47	86.77	7.00	1.48	0.00	20.55	1.70
SUM OF SQUARES			195.35	326.05	30572.85	225.20	21.00	167.00	2675.54	54.00

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/03/20	0930		14.0	8.0	89.6	6.5	3.0	150	25.1	
76/03/18	0950		7.2	10.5	106.1	7.2	2.0	45	31.0	
77/03/24	0910		7.1	8.5	85.3	7.7	1.0	9	30.3	5.5
78/03/31	1010		8.8	9.9	94.1	7.6	2.0	14	16.7	4.2
79/03/26	1400		9.3	9.0	89.4	7.3		18	21.7	4.5
80/03/17	0840		10.3	8.8	90.3	7.6	2.0	0	23.4	6.0
81/03/13	1230		9.0	9.8	97.0	7.7		4	22.3	3.0
NUMBER OF SAMPLES			7	7	7	7	5	7	7	5
MAXIMUM VALUE			14.00	10.50	106.10	7.70	3.00	150.00	31.00	6.50
MINIMUM VALUE			7.10	8.00	85.30	6.50	1.00	0.00	16.70	3.00
ARITHMETIC MEAN			9.39	9.21	93.11	7.37	2.00	34.29	24.36	5.24
GEOMETRIC MEAN			9.16	9.18	92.91	7.36	1.89	6.08	23.90	4.92
LOG/GEOMETRIC MEAN			2.22	2.22	4.53	2.00	0.64	1.80	3.17	1.59
MEDIAN			9.00	9.00	90.30	7.60	2.00	14.00	23.40	4.50
STANDARD DEV OF LOGS			0.23	0.10	0.07	0.06	0.48	3.34	0.21	0.39
STANDARD DEVIATION			2.33	0.88	6.83	0.43	0.71	53.09	5.01	2.11
VARIANCE			5.44	0.78	46.64	0.19	0.50	2818.90	25.14	4.46
COEFF OF VARIATION			24.85	9.57	7.33	5.85	35.36	154.86	20.59	40.32
SUM OF VALUES			65.70	64.50	651.80	51.60	10.00	240.00	170.50	26.20
MEAN +2 STD DEV			14.05	10.98	106.77	8.23	3.41	140.47	34.39	9.47
MEAN -2 STD DEV			4.72	7.45	79.46	6.51	0.59	-71.90	14.33	1.01
GEO MEAN +2 STD DEV			14.53	11.12	107.16	8.31	4.17	4847.16	34.52	10.79
GEO MEAN -2 STD DEV			5.78	7.58	80.55	6.52	0.85	0.01	15.65	2.25
SUM OF SQUARES			649.27	598.99	60971.72	381.48	22.00	25142.00	4303.73	155.14

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/04/14	1200		9.5	9.7	97.3	7.7	4.0	14	22.6	
76/04/22	1010		8.2	11.7	106.8	8.2	4.0	18	12.5	1.2
77/04/27	1230		12.1	9.7		7.6	3.0	9		2.7
78/04/13	0810		9.8	11.4	109.9	8.1	2.0	9	15.4	1.5
79/04/09	1430		9.8	11.2	115.8	7.9	1.0	18	26.1	3.0
80/04/21	1210		10.1	10.0	101.3	8.0	2.0	5	22.1	1.5
NUMBER OF SAMPLES			6	6	5	6	6	6	5	5
MAXIMUM VALUE			12.10	11.70	115.80	8.20	6.00	18.00	26.10	3.00
MINIMUM VALUE			8.20	9.70	97.30	7.70	1.00	5.00	12.50	1.20
ARITHMETIC MEAN			9.92	10.62	106.22	7.95	3.00	12.17	19.74	1.98
GEOMETRIC MEAN			9.85	10.58	106.02	7.95	2.57	11.07	19.05	1.85
LOG/GEOMETRIC MEAN			2.29	2.36	4.66	2.07	0.94	2.40	2.95	0.62
MEDIAN			9.80	10.60	106.80	7.95	2.50	11.50	22.10	1.50
STANDARD DEV OF LOGS			0.12	0.09	0.07	0.02	0.63	0.50	0.31	0.40
STANDARD DEVIATION			1.26	0.92	7.24	0.19	1.79	5.34	5.60	0.81
VARIANCE			1.59	0.84	52.36	0.04	3.20	28.57	31.36	0.66
COEFF OF VARIATION			12.71	8.62	6.81	2.35	59.63	43.93	28.37	40.94
SUM OF VALUES			59.50	63.70	531.10	47.70	18.00	73.00	98.70	9.90
MEAN +2 STD DEV			12.44	12.45	120.69	8.32	6.58	22.86	30.94	3.60
MEAN -2 STD DEV			7.40	8.79	91.75	7.58	-0.58	1.48	8.54	0.36
GEO MEAN +2 STD DEV			12.65	12.58	121.50	8.33	8.98	30.02	35.09	4.16
GEO MEAN -2 STD DEV			7.66	8.91	92.52	7.56	3.74	4.06	16.34	0.83
SUM OF SQUARES			597.99	680.47	56622.87	379.39	70.00	1031.00	2073.79	22.23

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/28	0915		12.4	4.0	48.7	5.2	3.0	425	15.0	
75/05/13	1200		13.2	4.3	43.6	5.6	7.0	440	11.8	
76/05/19	1915		10.9	11.3	116.6	8.3	2.0	9	22.3	2.4
77/05/11	1035		11.3	10.5	110.1	8.2	1.0	9	23.5	2.7
78/05/03	1415		11.9	11.8	120.8	7.8	3.0	0	17.7	1.7
79/05/30	0935		13.5	10.7	116.0	8.3	14.0	5	19.4	4.0
80/05/21	1155		10.4	8.9	93.4	7.8	2.0	14	26.5	1.6
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			13.50	11.80	120.80	8.30	14.00	440.00	26.50	4.00
MINIMUM VALUE			10.40	4.00	40.70	5.20	1.00	0.00	11.80	1.60
ARITHMETIC MEAN			11.94	8.79	91.60	7.31	4.57	128.86	19.46	2.49
GEOMETRIC MEAN			11.87	8.10	84.12	7.26	3.21	9.13	18.84	2.36
LOG/GEOMETRIC MEAN			2.48	2.09	4.43	1.97	1.17	2.21	2.94	0.86
MEDIAN			11.90	10.50	110.10	7.80	3.00	9.00	19.40	2.40
STANDARD DEV OF LOGS			0.10	0.47	0.48	0.20	0.88	3.80	0.28	0.37
STANDARD DEVIATION			1.16	3.29	34.91	1.33	4.58	207.52	5.09	0.96
VARIANCE			1.35	10.84	1218.88	1.77	20.95	43063.14	25.94	0.92
COEFF OF VARIATION			9.73	37.48	38.11	18.18	100.13	161.04	26.17	38.48
SUM OF VALUES			83.60	61.50	641.20	51.20	32.00	902.00	136.20	12.45
MEAN +2 STD DEV			14.27	15.37	161.43	9.97	13.73	543.89	29.64	4.41
MEAN -2 STD DEV			9.62	2.20	21.77	4.65	-4.58	-286.18	9.27	0.57
GEO MEAN +2 STD DEV			14.45	10.59	219.77	10.73	18.49	18325.89	32.97	4.90
GEO MEAN -2 STD DEV			9.79	3.19	32.20	4.83	0.56	0.00	10.77	1.13
SUM OF SQUARES			1006.52	605.37	66047.22	385.16	272.00	374608.00	2805.68	34.67

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/06/13	0910		14.0	7.5	79.3	6.4	2.0	22	16.0	
75/06/11	0900		13.9	9.6	99.5	8.5	2.0	32	13.0	
76/06/08	1315		12.6	9.7	98.1	7.1	4.0	9	13.4	1.8
77/06/13	1500		17.4	10.2	114.7	7.6	8.0	0	14.8	9.6
78/06/26	0910		14.6	8.2	91.7	7.6	2.0	5	23.1	4.0
79/06/19	1345		12.8	9.3	100.9	7.9	1.0	5	24.0	4.5
80/06/23	1500		13.6	10.8	117.2	8.3	3.0	0	21.4	3.0
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			17.40	10.80	117.20	8.50	8.00	32.00	24.00	4.50
MINIMUM VALUE			12.60	7.50	79.30	6.40	1.00	0.00	13.00	0.60
ARITHMETIC MEAN			14.13	9.33	100.20	7.63	3.14	10.43	17.76	2.78
GEOMETRIC MEAN			14.06	9.27	99.46	7.60	2.58	1.22	17.43	2.26
LOG/GEOMETRIC MEAN			2.64	2.23	4.60	2.03	0.95	0.20	2.86	0.81
MEDIAN			13.90	9.60	99.50	7.60	2.00	5.00	16.00	3.50
STANDARD DEV OF LOGS			0.11	0.13	0.13	0.10	0.66	3.82	0.26	0.82
STANDARD DEVIATION			1.60	1.14	13.00	0.72	2.14	12.09	4.73	1.60
VARIANCE			2.56	1.29	168.95	0.51	5.48	146.29	22.33	2.55
COEFF OF VARIATION			11.33	12.18	12.97	9.38	74.46	115.78	26.31	57.46
SUM OF VALUES			98.90	65.34	701.40	53.40	22.00	73.00	125.20	13.90
MEAN +2 STD DEV			17.33	11.61	126.20	9.06	7.32	34.62	27.41	5.97
MEAN -2 STD DEV			10.93	7.06	74.20	6.20	-1.54	-13.76	8.51	-0.41
GEO MEAN +2 STD DEV			17.42	11.94	129.68	7.22	9.61	2523.27	29.46	11.63
GEO MEAN -2 STD DEV			11.34	7.20	76.28	6.26	0.69	0.00	10.32	0.44
SUM OF SQUARES			1412.69	617.66	71293.78	430.44	102.00	1639.00	2391.17	48.85

Table 5c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/07/24	1005		18.0	11.4	135.0	8.2	2.0	18	21.5	
76/07/20	1240		15.8	13.0	148.8	8.2	2.0	5	23.8	1.8
77/07/21	0910		13.8	7.2	82.2	7.7	4.0	18	28.7	4.0
78/07/28	1115		16.2	8.0	92.5	7.6	2.0	32	23.4	3.7
79/07/17	1340		21.2			7.8	1.0	9	19.7	4.0
80/07/22	1400		18.2	11.0	130.5		2.0	0	21.2	2.4
NUMBER OF SAMPLES			6	5	5	5	6	6	6	5
MAXIMUM VALUE			21.20	13.00	148.80	8.20	4.00	32.00	28.70	4.00
MINIMUM VALUE			13.80	7.20	82.20	7.60	1.00	0.00	19.70	1.80
ARITHMETIC MEAN			17.20	10.12	117.80	7.90	2.17	13.67	22.92	3.19
GEOMETRIC MEAN			17.05	9.87	114.79	7.90	2.00	3.64	22.75	3.04
LOG/GEOMETRIC MEAN			2.84	2.29	4.74	2.07	0.69	1.29	3.12	1.11
MEDIAN			17.10	11.00	130.50	7.80	2.00	13.50	22.25	3.75
STANDARD DEV OF LOGS			0.15	0.25	0.26	0.04	0.44	3.29	0.13	0.36
STANDARD DEVIATION			2.54	2.44	28.83	0.28	0.98	11.47	3.13	1.02
VARIANCE			6.43	5.93	831.40	0.08	0.97	131.47	9.80	1.05
COEFF OF VARIATION			14.74	24.07	24.48	3.58	45.38	83.90	13.66	32.05
SUM OF VALUES			103.20	50.60	589.00	39.50	13.00	82.00	137.50	15.95
MEAN +2 STD DEV			22.27	14.99	175.47	8.47	4.13	36.60	29.18	5.23
MEAN -2 STD DEV			12.13	5.25	60.13	7.33	0.20	-9.27	16.66	1.15
GEO MEAN +2 STD DEV			22.86	16.31	192.68	8.48	4.81	2638.06	28.47	6.27
GEO MEAN -2 STD DEV			12.71	5.98	68.39	7.35	0.83	0.01	17.56	1.47
SUM OF SQUARES			1807.20	535.80	72709.78	312.37	33.00	1778.00	3200.03	55.86

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/08/12	1420		17.0			7.2	1.0		21.0	
75/08/13	0905		17.3	9.8	117.2	7.4	2.0	20	25.4	
76/08/24	1325		14.5	8.0	87.9	7.4	2.0	9	20.6	3.2
77/08/18	0910		17.0	8.7	104.5	7.9	1.0	18	26.9	2.7
78/08/22	1355		13.5	7.3	77.5	7.2	10.0E	9	18.3	2.5
79/08/28	0920		14.2	6.3	71.4	7.6	1.0	23	26.4	2.4
80/08/29	0745		11.9	7.5	81.6		1.0	0	27.2	3.6
NUMBER OF SAMPLES			7	6	6	6	7	6	7	5
MAXIMUM VALUE			17.30	9.80	117.20	7.90	10.00	23.00	27.20	3.60
MINIMUM VALUE			11.90	6.34	71.40	7.20	1.00	0.00	18.30	2.40
ARITHMETIC MEAN			15.06	7.94	90.02	7.45	2.57	13.17	23.69	2.88
GEOMETRIC MEAN			14.93	7.87	88.67	7.45	1.69	3.87	23.44	2.85
LOG/GEOMETRIC MEAN			2.70	2.06	4.48	2.01	0.53	1.35	3.15	1.05
MEDIAN			14.50	7.75	84.75	7.40	1.00	13.50	25.40	2.70
STANDARD DEV OF LOGS			0.14	0.15	0.19	0.04	0.85	3.26	0.16	0.17
STANDARD DEVIATION			2.08	1.20	17.48	0.27	3.31	8.66	1.62	0.51
VARIANCE			4.34	1.44	305.45	0.07	10.95	74.97	13.12	0.26
COEFF OF VARIATION			13.83	15.12	19.42	3.58	128.70	65.76	15.29	17.60
SUM OF VALUES			105.40	47.64	540.10	44.70	18.00	79.00	165.80	14.40
MEAN +2 STD DEV			19.22	10.34	124.97	7.98	9.19	30.48	30.93	3.89
MEAN -2 STD DEV			10.89	5.54	55.06	6.92	-4.05	-4.15	16.44	1.87
GEO MEAN +2 STD DEV			19.82	10.63	129.16	7.99	9.24	2754.85	32.21	4.01
GEO MEAN -2 STD DEV			11.25	5.82	60.87	6.94	0.31	0.01	17.05	2.02
SUM OF SQUARES			1613.94	385.47	50145.27	333.37	112.00	1415.00	4005.82	42.50

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/09/18	0815		13.9	5.2	58.6	6.9	5.0	120	26.5	
75/09/18	1340		15.0	9.8	111.5	8.0	3.0	9	24.5	
76/09/14	1435		14.2	10.8	119.2	6.9	1.0	9	22.0	2.1
77/09/15	0945		12.1	7.6	83.7	7.6	1.0	18	28.3	8.9
78/09/19	0915		12.4	7.3	74.8	7.8	1.0		16.3	5.0
79/09/18	1555		15.0	8.9	102.5	8.2	2.0	5	26.4	2.2
NUMBER OF SAMPLES			6	6	6	6	6	5	6	4
MAXIMUM VALUE			15.00	10.80	119.70	8.20	5.00	120.00	28.30	8.90
MINIMUM VALUE			12.10	5.20	58.60	6.90	1.00	5.00	16.30	2.10
ARITHMETIC MEAN			13.77	8.28	91.80	7.57	2.17	32.20	24.13	4.55
GEOMETRIC MEAN			13.72	8.06	89.15	7.55	1.76	15.43	23.77	3.79
LOG/GEOMETRIC MEAN			2.62	2.09	4.49	2.02	0.57	2.74	3.17	1.33
MEDIAN			14.05	8.28	93.10	7.70	1.50	9.00	25.45	3.60
STANDARD DEV OF LOGS			0.09	0.26	0.27	0.07	0.69	1.23	0.20	0.70
STANDARD DEVIATION			1.26	2.08	23.40	0.55	1.60	49.31	4.27	3.20
VARIANCE			1.58	4.00	547.57	0.31	2.57	2431.70	18.27	10.22
COEFF OF VARIATION			9.13	24.18	25.49	7.32	73.94	153.14	17.71	70.25
SUM OF VALUES			82.60	49.65	550.80	45.40	13.00	161.00	144.80	18.20
MEAN +2 STD DEV			16.28	12.28	138.60	8.67	5.37	130.52	32.68	10.94
MEAN -2 STD DEV			11.25	4.27	45.00	6.46	-1.04	-66.42	15.58	-1.84
GEO MEAN +2 STD DEV			16.52	13.57	153.28	8.76	6.94	181.74	35.39	15.21
GEO MEAN -2 STD DEV			11.39	4.78	51.85	6.61	0.45	1.31	15.96	0.94
SUM OF SQUARES			1145.02	430.87	53301.28	345.06	41.00	14911.00	3545.88	113.46

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/10/17	0945		11.5	2.3	25.0	7.1	3.0	293	28.4	
75/10/16	1405		11.5	6.5	72.0	6.5	3.0	14	29.2	
76/10/21	1335		9.4	5.9	60.6	7.3	2.0	41	27.0	3.2
77/10/12	1330		12.0	6.5	70.1	7.7	1.0	18	25.6	5.2
78/10/13	1100		12.2	8.5	88.0	7.8	2.0	5	18.5	2.5
79/10/16	1430		11.9	5.3	58.0	7.6	3.0	28	28.0	3.8
80/10/07	1450		12.8	11.1	123.3	8.3	1.0	9	27.5	1.6
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			12.80	11.10	123.30	8.30	3.00	293.00	29.20	5.20
MINIMUM VALUE			9.40	2.30	25.00	6.50	1.00	5.00	18.50	2.50
ARITHMETIC MEAN			11.61	6.63	71.03	7.47	2.14	58.29	26.31	3.66
GEOMETRIC MEAN			11.57	6.06	64.86	7.45	1.95	23.38	26.04	3.56
LOG/GEOMETRIC MEAN			2.45	1.80	4.17	2.01	0.67	3.15	3.26	1.27
MEDIAN			11.90	6.50	70.10	7.60	2.00	18.00	27.50	3.60
STANDARD DEV OF LOGS			0.10	0.49	0.49	0.08	0.49	1.31	0.16	0.27
STANDARD DEVIATION			1.07	2.73	30.04	0.57	0.90	104.21	3.63	0.99
VARIANCE			1.15	7.43	902.52	0.33	0.81	10859.90	13.16	0.99
COEFF OF VARIATION			9.24	41.12	42.30	7.68	41.99	178.79	13.79	27.16
SUM OF VALUES			81.30	46.40	497.20	52.30	15.00	408.00	184.20	18.30
MEAN +2 STD DEV			13.76	12.96	121.11	9.52	3.94	366.72	33.57	5.65
MEAN -2 STD DEV			9.47	1.18	10.94	6.32	0.34	-250.14	19.06	1.67
GEO MEAN +2 STD DEV			14.39	10.23	173.26	8.71	5.22	323.77	35.05	5.26
GEO MEAN -2 STD DEV			9.50	2.26	24.28	6.37	1.73	1.69	19.05	2.09
SUM OF SQUARES			951.15	352.14	40730.54	393.71	57.00	88940.00	4926.06	70.93

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/11/13	1240		10.1	7.3	68.2	7.2	3.0	15	9.2	
75/11/21	0940		8.0	9.9	93.7	7.2	3.0	9	18.9	
76/11/23	1420		9.2	6.7	62.7	6.8	1.0	14	26.9	4.3
77/11/08	1340		10.0	7.5	78.9	7.7	1.0	0	28.0	3.0
78/11/30	1340		8.7	7.0	71.5	7.5	2.0	9	28.4	2.3
79/11/15	1330		9.7	8.5	86.9	7.4	1.0	23	28.8	6.1
80/11/06	1225		9.2	7.7	78.2	7.6	1.0	4	28.5	3.0
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			10.10	9.90	93.70	7.70	3.00	25.00	28.80	6.10
MINIMUM VALUE			8.00	6.56	66.90	6.80	1.00	0.00	9.20	2.30
ARITHMETIC MEAN			8.99	7.52	75.20	7.34	1.86	12.71	24.10	3.74
GEOMETRIC MEAN			8.95	7.46	74.73	7.34	1.67	4.35	22.64	3.52
LOG/GEOMETRIC MEAN			2.19	2.01	4.31	1.99	0.51	1.47	3.12	1.26
MEDIAN			9.20	7.30	71.80	7.40	2.00	9.00	28.00	3.00
STANDARD DEV OF LOGS			0.09	0.14	0.12	0.04	0.51	1.32	0.42	0.38
STANDARD DEVIATION			0.82	1.13	9.46	0.30	0.90	8.77	7.46	1.50
VARIANCE			0.68	1.27	89.44	0.09	0.81	76.90	55.34	2.26
COEFF OF VARIATION			9.16	14.97	12.58	4.15	46.45	68.97	30.87	40.22
SUM OF VALUES			62.90	52.66	526.40	51.40	13.00	89.00	168.70	18.70
MEAN +2 STD DEV			10.63	9.78	94.11	7.95	3.66	30.25	38.98	6.75
MEAN -2 STD DEV			7.34	5.27	56.29	6.73	0.06	-4.82	9.22	0.73
GEO MEAN +2 STD DEV			10.74	9.62	94.37	7.98	4.60	1814.66	52.92	7.52
GEO MEAN -2 STD DEV			7.47	5.66	58.36	6.75	0.61	0.01	9.69	1.65
SUM OF SQUARES			569.27	403.76	40121.92	377.98	29.00	1593.00	4397.71	78.99

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/12/19	1000		8.3	7.0	69.5		3.0	95	25.0	
75/12/17	1325		7.5	10.3	93.5	7.4	4.0	5	14.2	
76/12/15	1418		8.7	8.5	86.1	6.8	2.0	14	26.6	4.3
77/12/20	1325		4.9	10.8	90.2	7.5	4.0	5	11.1	1.5
78/12/19	0935		6.4	8.9	86.8	7.9	2.0	0	28.6	5.5
79/12/12	1325		6.8	10.1	90.2	7.5	5.0	5	14.3	1.2
80/12/15	1125		4.7	9.2	80.6	7.6	2.0	0	19.0	3.9
NUMBER OF SAMPLES			7	7	7	6	7	7	7	5
MAXIMUM VALUE			8.70	10.80	93.50	7.90	5.00	95.00	28.60	5.50
MINIMUM VALUE			4.70	7.00	69.50	6.80	2.00	0.00	11.10	1.20
ARITHMETIC MEAN			6.76	9.26	85.27	7.45	3.14	17.71	19.83	3.38
GEOMETRIC MEAN			6.60	9.18	84.92	7.44	2.94	1.23	18.75	2.73
LOG/GEOMETRIC MEAN			1.89	2.22	4.44	2.01	1.38	3.10	2.93	1.00
MEDIAN			6.80	9.20	86.80	7.50	3.00	5.00	19.00	3.90
STANDARD DEV OF LOGS			0.24	0.15	0.10	0.05	0.39	1.90	0.37	0.68
STANDARD DEVIATION			1.56	1.29	8.06	0.36	1.21	34.40	4.94	1.36
VARIANCE			2.42	1.66	64.95	0.13	1.48	1183.24	48.11	1.46
COEFF OF VARIATION			23.02	13.93	9.45	4.86	38.66	194.18	24.98	58.73
SUM OF VALUES			47.30	64.80	596.90	44.70	22.00	124.00	138.80	16.40
MEAN +2 STD DEV			9.87	11.34	101.39	8.17	5.57	86.31	33.70	7.49
MEAN -2 STD DEV			3.65	6.68	69.15	6.73	0.71	-51.08	5.96	-0.44
GEO MEAN +2 STD DEV			10.70	12.30	103.74	8.22	6.44	1004.06	39.08	10.86
GEO MEAN -2 STD DEV			4.07	6.84	69.52	6.74	1.35	0.00	9.00	0.71
SUM OF SQUARES			334.13	609.84	51288.39	333.67	78.00	9296.00	3040.86	67.64

Table 6a.

ECB202 ECOBAM AT WOODCHIP OFFLOADER

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/23	0910		10.5	10.1	7.3	1.0	65	23.0		103.8				
74/05/28	0945		12.5	9.5	7.2	2.0	33	14.0		96.2	1.664	615900	35439	651340
74/06/13	0935		14.5	9.3	7.1	1.0	25	7.0		94.3	0.932	630160	37651	667820
74/08/12	1512		17.0		7.8	1.0		21.0			0.000	572880	39703	612590
74/09/18	0850		14.5	3.5	6.8	2.0	59	26.3		39.9	0.000	656580	37866	694450
74/10/17	1020		11.2	2.2	7.3	1.0	28	28.3		23.8	0.991	763030	39591	802630
74/11/13	1305		10.5	5.4	6.9	2.0	35	9.4		50.9		507130	34540	541670
74/12/19	1030		8.0	7.8		2.0	43	26.1		77.5		541640	40501	582140
75/01/16	0950		5.9	8.8	7.3	3.0	30	23.8		82.0	0.000	578450	36392	614840
75/03/20	1045		7.7	8.2	7.0	2.0	50	26.5		81.2		459120	30565	489690
75/04/14	1215		9.8	9.2	7.7	2.0	14	23.9		93.7	0.000	212500	21334	233830
75/05/13	1110		12.3	9.8	7.2	4.0	28	12.0		97.7	1.560	258730	25880	284610
75/06/11	0935		14.0	10.0	8.9	2.0	36	14.0		104.5	0.855	158040	31847	189990
75/07/24	1035		18.3	9.9	8.0	2.0	18	21.5		117.9	1.098	225770	28444	254210
75/08/13	0955		17.6	9.3	7.3	1.0	25	25.2		111.8	1.790	300060	30855	330920
75/09/18	1400		15.0	10.0	8.0	2.0	9	25.4		114.4	1.000	258260	30351	288610
75/10/16	1425		11.2	6.0	7.2	4.0	14	29.8		65.5		207250	33437	240680
75/11/20	1005		8.0	11.2	7.4	2.0	5	19.0		106.1		52343	23060	75403
75/12/17	1340		7.5	10.3	7.4	3.0	5	13.8		93.2	0.000	309060	34008	343070
76/01/22	0950		6.5	11.4	7.5	6.0	5	22.0		106.4	0.477	257980	37931	295910
76/02/19	0940		6.2	9.4	7.8	5.0	9	22.3		37.3	0.000	293710	33612	327320
76/03/18	0940		7.2	10.2	7.2	3.0	54	30.9		103.0		5500	50044	55544
76/04/22	1035		8.3	11.9	8.2	5.0	9	13.2	1.4	109.3	1.500	296710	35050	331760
76/05/19	0945		10.8	11.0	8.1	1.0	5	21.1	2.7	112.4	0.592	247730	40057	287780
76/06/08	1345		12.5	9.5	7.4	3.0	5	14.8	1.8	96.7	1.122	307740	34301	342040
76/07/20	1308		16.3	12.5	8.2	2.0	0	23.4	1.8	144.8	0.918	231390	40591	271980
76/08/24	1350		13.1	6.9	7.7	1.0	9	22.5	3.7	74.8		335360	38083	373450
76/09/16	1505		14.7	9.5	7.5	1.0	14	22.7	3.2	106.2	0.051	248360	41215	289570
76/10/21	1405		10.5	7.2	7.8	4.0	32	26.9	2.3	76.0		230050	38151	268200
76/11/23	1450		8.8	6.0	6.9	1.0	14	27.0	3.4	61.1	1.000	278930	36926	315860
76/12/15	1307		8.9	7.6	6.6	2.0	14	27.4		77.7		231890	38167	270050
77/01/13	1255		8.2	5.3	7.2	2.0	45	29.9	3.4	54.3		202780	40523	243310
77/02/25	1040		8.1	7.7	6.9	1.0	23	26.9	4.3	77.1	0.000	148870	35414	184280
77/03/24	0930		7.0	8.0	7.6	2.0	5	28.8	1.5	79.2	0.954	291520	37794	329310
77/04/27	1305		12.1	10.3	7.9	3.0	5		1.8		0.650	273640	39729	313370
77/05/11	1100		11.1	9.5	7.9	1.0	9	23.3	2.7	99.1	0.000	270770	39060	309830
77/06/13	1545		17.2	9.7	7.6	2.0	14	14.4	1.5	108.4	0.000	256590	38447	295040
77/07/21	0940		13.6	6.0	7.4	3.0	36	28.0	3.0	67.9	1.485	294670	44513	339180
77/08/18	0935		17.0	8.2	7.8	1.0	23	25.5	2.4	97.6		317150	42430	359580
77/09/15	1010		12.1	7.0	7.5	1.0	9	29.7	6.1	77.8	0.000	210120	36959	247080
77/10/12	1355		12.0	6.2	7.6	2.0	18	25.8	3.7	67.0		322740	19231	341970
77/11/08	1400		10.4	7.8	7.3	6.0	5	27.1	3.4	82.2		252220	49658	301880
77/12/20	1345		5.2	10.6	7.4	4.0	14	13.0	1.5	90.3		226900	42364	269260
78/01/12	1100		5.9	8.8	7.2	2.0	9	26.3	3.3	83.5		235100	38427	273530
78/02/13	1145		7.3	8.4	7.2	2.0	18	27.9	2.7	83.2	0.000	224410	42553	266960
78/03/31	1030		8.9	11.6	7.4	3.0	14	19.2	3.3	113.0	0.000	245920	39062	284980
78/04/13	0845		9.7	11.6	8.2	3.0	9	23.5	1.5	117.6		291660	36750	328410
78/05/03	1440		11.6	10.5	7.2	2.0	0	18.0	2.0	107.0	0.220	199370	45003	244370
78/06/26	0950		14.9	8.9	7.8	2.0	5	23.1	3.7	100.2	0.993	253790	35962	289750
78/07/28	1135		16.5	7.3	7.2	2.0	23	23.8	3.0	85.7	0.000	222490	43963	266450
78/08/22	1350		13.5	5.7	7.0	10.0K	14	18.5	2.3	60.6	0.000	124100	35009	159110
78/09/19	0945		12.5	7.6	7.8	2.0		16.4	4.0	78.1		6000	0	6000
78/10/13	1108		12.0	8.2	7.8	3.0	0	20.0	2.5	85.3		0	0	0
78/11/30	1400		8.7	6.8	7.7	3.0	5	29.0	3.0	70.0	0.000	3600	0	3600
78/12/19	1000		6.3	9.0	7.9	2.0	0	27.2	4.5	86.7	0.000	0	0	0
79/01/31	1000		4.9	8.8	7.7	3.0	0	28.9	6.0	83.1	0.000	0	0	0
79/02/26	1510		6.8	9.0	7.6	1.0	9K	27.2	5.5	87.7		107170	38802	145980
79/03/26	1420		9.2	8.5	7.3		18	24.3	4.5	85.7	0.000	317030	35675	352710
79/04/09	1445		9.2	11.3	7.8	1.0	14	25.3	2.5	114.7	1.000	100610	34680	135290
79/05/30	1005		13.5	11.0	8.3	16.0	9	21.3	3.0	120.0		89847	40208	130050
79/06/19	1405		12.8	8.6	7.9	1.0	5	23.9	3.6	93.3	0.357	95859	33531	129390
79/07/17	1410		21.8		7.9	1.0	5	19.5	3.5		1.252	178260	43217	221480
79/08/28	1015		15.2	6.4	7.6	1.0	5	26.3	2.1	73.9	0.666	171820	34856	206680
79/09/18	1615		16.3	11.2	8.3	2.0	5	25.3	1.8	131.4	0.000	126390	38493	164880
79/10/16	1500		11.8	5.3	7.5	2.0	32	28.5	3.0	58.1	1.000	130080	36066	166150
79/11/15	1350		8.0	5.9	7.3	2.0	28	27.6	2.8	59.3		173670	42660	216330
79/12/12	1345		5.8	10.6	7.5	5.0	14	11.2	1.2	90.6		196450	26152	222610
80/01/25	0955		5.0	10.0	7.9	2.0	5K	19.1	2.1	88.3		4425	11841	16266
80/02/22	1025		7.3	8.6	7.5	1.0	9	24.0	2.4	82.9		6308	7532	13840
80/03/17	0910		9.8	9.3	7.6	2.0	0	23.7	6.0	94.6	0.000	3289	9653	12940
80/04/21	1050		9.4	6.7	8.1	3.0	5	21.9	1.5	66.8	0.706	2950	6864	9814
80/05/21	1130		10.1	9.6	8.1	5.0	5	25.8	2.2	99.7	0.000	3090	4983	8073
80/06/23	1600		14.4	11.3	8.4	2.0	0	22.7	2.7	125.6		3325	7119	10444
80/07/22	1430		18.2	11.2		2.0	0	20.9	2.1	132.6	0.000	3889	6199	10088
80/08/29	1030		12.7	7.0		1.0	5	28.9	4.8	78.3		4340	7126	11466
80/10/07	1520		13.3	11.1	8.2	1.0	14	26.4	3.6	123.6		2767	11048	13815
80/11/20	1315		8.9	7.8	7.7	2.0	9	27.2		79.7		4398	7128	11526
80/12/15	1155		6.0	9.1	7.7	2.0	0	21.0	3.6	83.4		2491	4533	7024
81/03/13	1200		9.3	9.8	7.7		4	22.0	2.4	97.5		12573	7265	19838

Table 6b, continued.

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PRT mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
80/01/25	0955		5.0	10.0	88.3	7.9	2.0	5K	19.1	2.1
80/02/22	1025		7.3	8.6	82.9	7.5	1.0	9	24.0	2.4
80/03/17	0910		9.8	9.3	94.6	7.6	2.0	0	23.7	6.0
80/04/21	1050		9.4	6.7	66.8	8.1	3.0	5	21.9	1.5
80/05/21	1130		10.1	9.6	99.7	8.1	5.0	5	25.8	2.2
80/06/23	1600		14.4	11.3	125.6	8.4	2.0	0	22.7	2.7
80/07/22	1430		18.2	11.2	132.6		2.0	0	20.9	2.1
80/08/29	1030		12.7	7.0	78.3		1.0	5	28.9	4.8
80/10/07	1520		13.3	11.1	123.6	8.2	1.0	14	26.4	3.6
80/11/20	1315		8.9	7.8	79.7	7.7	2.0	9	27.2	
80/12/15	1155		6.0	9.1	83.4	7.7	2.0	0	21.0	3.6
NUMBER OF SAMPLES			11	11	11	9	11	11	11	10
MAXIMUM VALUE			18.20	11.30	132.60	8.40	5.00	14.00	28.90	6.00
MINIMUM VALUE			5.00	6.70	66.80	7.50	1.00	0.00	19.10	1.50
ARITHMETIC MEAN			10.46	9.25	95.95	7.91	2.09	4.73	23.78	3.10
GEOMETRIC MEAN			9.80	9.11	93.79	7.91	1.87	0.50	23.61	2.85
LOG/GEOMETRIC MEAN			2.28	2.21	4.54	2.07	0.62	-0.70	3.16	1.05
MEDIAN			9.30	9.30	88.30	7.90	2.00	5.00	23.70	2.55
STANDARD DEV OF LOGS			0.39	0.18	0.22	0.04	0.49	3.66	0.13	0.43
STANDARD DEVIATION			3.90	1.62	21.94	0.31	1.14	4.61	3.03	1.41
VARIANCE			15.23	2.62	481.44	0.09	1.29	21.22	9.15	1.98
COEFF OF VARIATION			37.30	17.52	22.87	3.87	54.34	97.44	12.72	45.39
SUM OF VALUES			115.10	101.70	1055.50	71.20	23.00	52.00	261.60	31.00
MEAN +2 STD DEV			18.27	12.48	139.84	8.52	4.36	13.94	29.83	5.91
MEAN -2 STD DEV			2.66	6.01	52.07	7.30	-0.18	-4.49	17.73	0.29
GEO MEAN +2 STD DEV			21.18	13.11	146.16	8.54	4.97	747.22	30.46	6.68
GEO MEAN -2 STD DEV			4.54	6.33	60.18	7.32	0.70	0.00	18.30	1.22
SUM OF SQUARES			1356.69	966.49	106094.41	564.02	61.00	458.00	6312.86	113.92

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PRT mg/l	70305 SALINITY CONDUCTVY g/l	00067 TIDE STAGE CODE	00078 TRANSPAR SECCHI METERS
81/03/13	1200		9.3	9.8	97.5	7.7		4	22.0	2210	2.4
NUMBER OF SAMPLES			1	1	1	1	0	1	1	1	1
MAXIMUM VALUE			9.30	9.80	97.50	7.70		4.00	22.00	2210.00	2.40
MINIMUM VALUE			9.30	9.80	97.50	7.70		4.00	22.00	2210.00	2.40
ARITHMETIC MEAN											
GEOMETRIC MEAN											
LOG/GEOMETRIC MEAN											
MEDIAN											
STANDARD DEV OF LOGS											
STANDARD DEVIATION											
VARIANCE											
COEFF OF VARIATION											
SUM OF VALUES											
MEAN +2 STD DEV											
MEAN -2 STD DEV											
GEO MEAN +2 STD DEV											
GEO MEAN -2 STD DEV											
SUM OF SQUARES											

Table 6b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
74/05/23	0910		10.5	10.1	103.8	7.3	1.0	65	23.0
74/05/28	0945		12.5	9.5	96.2	7.2	2.0	33	14.0
74/06/13	0935		14.5	9.3	94.3	7.1	1.0	25	7.6
74/08/12	1512		17.0			7.8	1.0		21.0
74/09/18	0850		14.5	3.5	39.9	6.8	2.0	59	26.3
74/10/17	1020		11.2	2.2	23.8	7.3	1.0	28	28.3
74/11/13	1305		10.6	5.[illegible]	56.9	6.9	2.0	35	9.4
74/12/19	1030		8.0	7.8	77.5		2.0	43	26.1
NUMBER OF SAMPLES			8	7	7	7	8	7	8
MAXIMUM VALUE			17.00	10.10	103.80	7.80	2.00	65.00	28.30
MINIMUM VALUE			8.00	2.20	23.80	6.80	1.00	25.00	7.00
ARITHMETIC MEAN			12.34	6.83	69.49	7.28	1.50	41.14	19.39
GEOMETRIC MEAN			12.04	6.05	62.01	7.19	1.41	38.84	17.46
LOG/GEOMETRIC MEAN			2.49	1.80	4.13	1.97	0.35	3.66	2.86
MEDIAN			11.85	7.80	77.50	7.20	1.50	35.00	22.00
STANDARD DEV OF LOGS			0.24	0.58	0.55	0.04	0.37	0.36	0.53
STANDARD DEVIATION			2.88	3.15	31.30	0.33	0.53	15.43	8.20
VARIANCE			8.28	9.91	979.84	0.11	0.29	238.14	67.16
COEFF OF VARIATION			23.33	46.09	45.05	4.54	35.63	37.51	42.27
SUM OF VALUES			98.70	47.80	486.40	50.40	12.00	288.00	155.10
MEAN +2 STD DEV			18.09	13.12	132.09	7.85	2.57	72.01	35.78
MEAN -2 STD DEV			6.58	0.53	6.88	6.55	0.43	10.28	3.00
GEO MEAN +2 STD DEV			19.41	19.41	187.38	7.87	2.97	80.21	50.05
GEO MEAN -2 STD DEV			7.47	1.87	20.52	6.58	0.67	18.81	6.09
SUM OF SQUARES			1275.69	385.84	39676.88	363.52	20.00	13278.00	3477.15

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l
75/01/14	0950		5.9	8.6	82.0	7.3	3.0	30	23.8
75/03/20	1045		7.7	8.2	81.2	7.8	2.0	50	26.5
75/04/14	1215		9.8	9.2	93.7	7.7	2.0	14	23.9
75/05/13	1110		12.3	9.8	97.7	7.2	4.0	28	12.0
75/06/11	0935		14.0	10.0	104.5	8.9	2.0	36	14.0
75/07/24	1035		18.3	9.9	117.9	8.0	2.0	18	21.5
75/08/13	0955		17.6	9.3	111.8	7.3	1.0	25	25.2
75/09/18	1400		15.0	10.0	114.4	8.0	2.0	9	25.4
75/10/16	1425		11.2	6.0	65.5	7.2	4.0	14	29.8
75/11/20	1005		8.0	11.2	106.1	7.4	2.0	5	19.0
75/12/17	1340		7.5	10.3	93.2	7.4	3.0	5	13.8
NUMBER OF SAMPLES			11	11	11	11	11	11	11
MAXIMUM VALUE			18.30	11.20	117.90	8.90	4.00	50.00	29.80
MINIMUM VALUE			5.90	6.00	65.50	7.00	1.00	5.00	12.00
ARITHMETIC MEAN			11.57	9.34	97.09	7.58	2.45	21.27	21.35
GEOMETRIC MEAN			10.86	9.23	95.78	7.57	2.29	16.80	20.52
LOG/GEOMETRIC MEAN			2.39	2.22	4.56	2.02	0.83	2.82	3.02
MEDIAN			11.20	9.80	97.70	7.40	2.00	18.00	23.80
STANDARD DEV OF LOGS			0.38	0.17	0.18	0.07	0.40	0.77	0.31
STANDARD DEVIATION			4.24	1.36	16.09	0.54	0.93	14.05	5.88
VARIANCE			17.96	1.85	259.03	0.30	0.87	197.42	34.56
COEFF OF VARIATION			36.62	14.59	16.58	7.17	38.06	66.05	27.53
SUM OF VALUES			127.30	102.70	1068.00	83.40	27.00	234.00	234.90
MEAN +2 STD DEV			20.05	12.06	129.28	8.67	4.32	49.37	33.11
MEAN -2 STD DEV			3.10	6.61	64.90	6.49	0.59	-6.83	9.60
GEO MEAN +2 STD DEV			23.10	12.84	136.52	8.68	5.06	78.29	37.86
GEO MEAN -2 STD DEV			5.11	6.63	67.19	6.59	1.04	3.60	11.13
SUM OF SQUARES			1652.77	977.39	104283.38	635.28	75.00	6952.00	5361.83

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/01/22	0950		6.5	11.4	106.4	7.5	6.0	5	22.0	
76/02/19	0940		6.2	9.6	87.3	7.8	5.0	9	22.3	
76/03/18	0940		7.2	10.2	103.0	7.2	3.0	54	30.9	
76/04/22	1035		8.3	11.9	109.3	8.2	5.0	9	13.2	1.4
76/05/19	0945		10.8	11.0	112.4	8.1	1.0	5	21.1	2.7
76/06/08	1345		12.5	9.5	96.7	7.4	3.0	5	14.8	1.8
76/07/20	1308		16.3	12.5	144.0	8.2	2.0	0	23.4	1.6
76/08/24	1350		13.1	6.9	74.6	7.7	1.0	9	22.5	3.7
76/09/16	1505		14.7	9.5	106.2	7.5	1.0	14	22.7	3.2
76/10/21	1405		10.5	7.2	76.0	7.8	4.0	32	26.9	2.3
76/11/23	1450		8.8	6.0	61.1	6.9	1.0	14	27.0	3.4
76/12/15	1307		8.9	7.6	77.7	6.6	2.0	14	27.4	
NUMBER OF SAMPLES			12	12	12	12	12	12	12	8
MAXIMUM VALUE			16.30	12.50	144.00	8.20	6.00	54.00	30.90	3.70
MINIMUM VALUE			6.20	6.00	61.10	6.60	1.00	5.00	13.20	1.40
ARITHMETIC MEAN			10.52	9.43	96.23	7.58	2.83	14.17	22.85	2.54
GEOMETRIC MEAN			9.86	9.20	93.87	7.56	2.30	6.90	22.27	2.41
LOG/GEOMETRIC MEAN			2.29	2.22	4.54	2.02	0.83	1.79	3.10	0.88
MEDIAN			9.70	9.50	99.85	7.60	2.50	9.00	22.60	2.50
STANDARD DEV OF LOGS			0.32	0.24	0.23	0.07	0.70	2.35	0.25	0.35
STANDARD DEVIATION			3.27	2.11	22.36	0.50	1.80	14.49	5.06	0.85
VARIANCE			10.67	4.45	499.77	0.25	3.24	221.61	25.60	0.71
COEFF OF VARIATION			31.07	22.38	23.23	6.62	63.55	105.98	22.14	33.30
SUM OF VALUES			123.80	113.10	1154.70	90.90	34.00	170.00	274.20	20.30
MEAN +2 STD DEV			16.85	13.64	140.94	8.58	6.43	43.94	32.97	4.23
MEAN -2 STD DEV			3.78	5.21	51.51	6.57	-0.77	-15.61	12.73	0.85
GEO MEAN +2 STD DEV			18.56	14.75	149.86	8.65	9.31	657.29	36.47	4.86
GEO MEAN -2 STD DEV			5.23	5.73	58.79	6.41	0.57	0.05	13.60	1.19
SUM OF SQUARES			1394.60	1114.93	116608.49	691.33	132.00	4846.00	6547.04	56.51

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
77/01/13	1255		8.2	5.3	54.3	7.2	2.0	45	29.9	3.4
77/02/25	1040		8.1	7.7	77.1	6.9	1.0	23	26.9	4.3
77/03/24	0930		7.0	8.0	79.2	7.6	2.0	5	28.8	1.5
77/04/27	1305		12.1	10.3		7.9	3.0	5		1.8
77/05/11	1100		11.1	9.5	99.1	7.9	1.0	9	23.3	2.7
77/06/13	1545		17.2	9.7	108.4	7.6	2.0	14	14.4	1.5
77/07/21	0940		13.6	6.0	67.9	7.4	3.0	36	28.0	3.0
77/08/18	0935		17.0	8.2	97.6	7.8	1.0	23	25.5	2.4
77/09/15	1010		12.1	7.0	77.8	7.5	1.0	9	29.7	6.1
77/10/12	1355		12.0	6.2	67.0	7.6	2.0	18	25.8	3.7
77/11/08	1400		10.4	7.8	82.2	7.3	6.0	5	27.1	3.4
77/12/20	1345		5.2	10.6	90.3	7.4	4.0	14	13.0	1.5
NUMBER OF SAMPLES			12	12	11	12	12	12	11	12
MAXIMUM VALUE			17.20	10.60	108.40	7.90	6.00	45.00	29.90	6.10
MINIMUM VALUE			5.20	5.30	54.30	6.90	1.00	5.00	13.00	1.50
ARITHMETIC MEAN			11.17	8.03	81.90	7.51	2.33	17.17	24.76	2.94
GEOMETRIC MEAN			10.57	7.85	80.45	7.50	1.97	13.30	23.97	2.67
LOG/GEOMETRIC MEAN			2.36	2.06	4.39	2.02	0.68	2.59	3.18	0.98
MEDIAN			11.55	7.90	79.20	7.55	2.00	14.00	26.90	2.85
STANDARD DEV OF LOGS			0.36	0.22	0.20	0.04	0.60	0.76	0.29	0.46
STANDARD DEVIATION			3.70	1.73	15.94	0.29	1.50	12.78	5.81	1.37
VARIANCE			13.69	2.99	254.21	0.09	2.24	163.24	33.71	1.88
COEFF OF VARIATION			33.13	21.54	19.47	3.91	64.18	74.43	23.45	46.64
SUM OF VALUES			134.00	96.30	900.90	90.10	28.00	206.00	272.40	35.30
MEAN +2 STD DEV			18.57	11.46	113.79	8.10	5.33	42.72	36.38	5.69
MEAN -2 STD DEV			3.77	4.57	50.01	6.92	-0.66	-8.39	13.15	0.20
GEO MEAN +2 STD DEV			21.52	12.24	120.22	8.12	4.52	60.78	42.57	6.68
GEO MEAN -2 STD DEV			5.19	5.03	53.83	6.93	0.60	2.91	13.49	1.07
SUM OF SQUARES			1646.86	805.69	76325.85	677.45	90.00	5332.00	7082.70	124.55

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
78/01/12	1100		5.9	8.8	83.5	7.2	2.0	9	26.3	3.3
78/02/15	1145		7.3	8.4	83.2	7.2	2.0	18	27.9	2.7
78/03/31	1030		8.9	11.6	113.0	7.4	3.0	14	19.2	3.3
78/04/13	0845		9.7	11.6	117.6	8.2	3.0	9	23.5	1.5
78/05/03	1440		11.6	10.5	107.0	7.2	2.0	0	18.0	2.0
78/06/26	0950		14.9	8.9	106.2	7.8	2.0	5	23.1	3.7
78/07/26	1135		16.5	7.3	85.2	7.2	2.0	23	23.6	3.0
78/08/22	1350		13.5	5.7	60.6	7.0	10.0E	14	18.5	2.3
78/09/19	0945		12.5	7.6	78.1	7.8	2.0		16.4	4.0
78/10/13	1108		12.0	8.2	85.3	7.8	3.0	0	20.0	2.5
78/11/30	1400		8.7	6.8	70.0	7.7	3.0	5	29.0	3.0
78/12/19	1000		6.3	9.0	86.7	7.9	2.0	0	27.2	4.5
NUMBER OF SAMPLES			12	12	12	12	12	11	12	12
MAXIMUM VALUE			16.50	11.60	117.60	8.20	10.00	23.00	29.00	4.50
MINIMUM VALUE			5.90	5.79	60.60	7.00	2.00	0.00	14.40	1.50
ARITHMETIC MEAN			10.65	8.71	89.20	7.53	3.00	6.82	22.74	2.99
GEOMETRIC MEAN			10.14	8.54	87.69	7.52	2.62	1.32	22.37	2.87
LOG/GEOMETRIC MEAN			2.32	2.14	4.47	2.02	0.96	0.27	3.11	1.05
MEDIAN			10.65	8.60	85.25	7.55	2.00	9.00	23.30	3.00
STANDARD DEV OF LOGS			0.33	0.21	0.19	0.05	0.46	3.61	0.19	0.31
STANDARD DEVIATION			3.40	1.80	17.13	0.38	2.26	7.76	4.27	0.86
VARIANCE			11.55	3.25	293.33	0.14	5.09	60.16	18.26	0.73
COEFF OF VARIATION			31.91	20.69	19.20	5.01	75.21	87.96	18.79	28.67
SUM OF VALUES			127.80	104.51	1070.40	90.40	36.00	97.00	272.90	35.85
MEAN +2 STD DEV			17.45	12.31	123.45	8.29	7.51	24.33	31.29	4.70
MEAN -2 STD DEV			3.85	5.16	54.95	6.78	-1.51	-2.69	14.19	1.27
GEO MEAN +2 STD DEV			19.77	12.95	129.34	8.32	4.63	1801.75	32.81	5.32
GEO MEAN -2 STD DEV			5.20	5.63	59.45	6.81	1.03	0.00	15.25	1.55
SUM OF SQUARES			1488.10	945.93	98706.28	682.58	164.00	1457.00	6407.09	115.17

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
79/01/31	1000		4.9	8.8	83.1	7.7	3.0	9	28.9	6.0
79/02/26	1510		6.8	9.0	87.7	7.6	1.0	9E	27.2	5.5
79/03/26	1420		9.2	8.5	85.7	7.3		18	24.3	4.5
79/04/09	1445		9.2	11.3	114.7	7.8	1.0	14	25.3	2.5
79/05/30	1005		13.5	11.0	120.0	8.3	10.0	9	21.3	3.0
79/06/19	1405		12.8	8.6	93.3	7.9	1.0	5	23.9	3.6
79/07/17	1410		21.8			7.9	1.0	5	19.5	3.5
79/08/28	1015		15.2	6.4	73.9	7.6	1.0	5	24.3	2.1
79/09/18	1615		16.3	11.2	131.4	8.3	2.0	5	25.3	1.8
79/10/16	1500		11.8	5.3	58.1	7.5	2.0	32	28.5	3.0
79/11/15	1350		8.0	5.9	59.3	7.3	2.0	28	27.6	2.8
79/12/12	1345		5.8	10.6	90.6	7.5	5.0	14	11.2	1.2
NUMBER OF SAMPLES			12	11	11	12	11	12	12	12
MAXIMUM VALUE			21.80	11.30	131.40	8.30	16.00	32.00	28.90	6.00
MINIMUM VALUE			4.90	5.30	58.10	7.30	1.00	9.00	11.20	1.20
ARITHMETIC MEAN			11.28	8.79	90.71	7.73	3.18	12.00	24.11	3.29
GEOMETRIC MEAN			10.31	8.53	87.94	7.72	1.99	5.52	23.48	3.00
LOG/GEOMETRIC MEAN			2.33	2.14	4.48	2.04	0.69	1.71	3.16	1.10
MEDIAN			10.50	8.80	87.70	7.65	2.00	9.00	25.30	3.00
STANDARD DEV OF LOGS			0.45	0.27	0.26	0.04	0.88	2.31	0.26	0.46
STANDARD DEVIATION			4.94	2.16	23.50	0.33	4.42	9.81	4.93	1.44
VARIANCE			24.45	4.65	552.05	0.11	19.56	96.18	24.32	2.08
COEFF OF VARIATION			43.86	24.52	25.90	4.32	139.04	81.73	20.45	43.80
SUM OF VALUES			135.30	96.69	997.80	92.78	35.00	144.00	289.30	39.50
MEAN +2 STD DEV			21.16	13.10	137.70	8.39	12.03	31.61	33.97	6.18
MEAN -2 STD DEV			1.39	4.48	43.72	7.06	-5.66	-7.61	14.25	0.41
GEO MEAN +2 STD DEV			25.25	14.53	148.93	8.41	11.54	555.67	39.53	7.54
GEO MEAN -2 STD DEV			4.21	5.00	51.92	7.09	0.34	0.05	13.95	1.19
SUM OF SQUARES			1794.47	694.37	96030.00	717.33	307.00	2786.00	7242.01	152.89

Table 6c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/01/16	0950		5.9	8.8	82.0	7.3	3.0	30	23.8	
76/01/22	0950		6.5	11.4	106.4	7.5	6.0	5	22.0	
77/01/13	1255		6.2	5.3	54.3	7.2	2.0	45	29.9	3.4
78/01/12	1100		5.9	8.8	83.5	7.2	2.0	9	26.3	3.3
79/01/31	1000		4.9	8.8	83.1	7.7	3.0	0	28.9	6.8
80/01/25	0955		5.0	10.0	88.3	7.9	2.0	5E	19.1	2.1
NUMBER OF SAMPLES			6	6	6	6	6	6	6	4
MAXIMUM VALUE			8.20	11.40	106.40	7.90	6.00	45.00	29.90	6.00
MINIMUM VALUE			4.90	5.30	54.30	7.20	2.00	0.00	19.10	2.10
ARITHMETIC MEAN			6.07	8.85	82.93	7.47	3.00	15.67	25.00	3.70
GEOMETRIC MEAN			5.97	8.63	81.37	7.46	2.75	3.39	24.70	3.45
LOG/GEOMETRIC MEAN			1.79	2.15	4.40	2.01	1.01	1.22	3.21	1.24
MEDIAN			5.90	8.80	83.30	7.40	2.50	7.50	25.05	3.35
STANDARD DEV OF LOGS			0.19	0.26	0.22	0.06	0.43	3.32	0.17	0.43
STANDARD DEVIATION			1.21	2.02	16.74	0.29	1.55	17.60	4.15	1.64
VARIANCE			1.46	4.09	280.11	0.08	2.40	316.67	17.23	2.70
COEFF OF VARIATION			19.91	22.84	20.18	3.85	51.64	113.59	16.60	46.41
SUM OF VALUES			36.40	53.10	497.60	44.80	18.00	94.00	150.00	14.80
MEAN +2 STD DEV			8.48	12.59	116.41	8.04	6.10	51.26	33.30	6.99
MEAN -2 STD DEV			3.65	4.81	49.46	6.89	-0.10	-19.92	16.70	0.41
GEO MEAN +2 STD DEV			8.72	14.51	126.50	8.05	6.51	2610.21	34.77	8.15
GEO MEAN -2 STD DEV			4.09	5.13	52.34	6.91	1.16	0.00	17.55	1.46
SUM OF SQUARES			228.12	499.37	42668.28	334.92	66.00	3056.00	3836.16	62.86

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/02/19	0940		6.2	9.4	87.3	7.8	5.0	9	22.3	
77/02/25	1040		8.1	7.7	77.1	6.9	1.0	23	26.9	4.3
78/02/15	1145		7.3	6.4	53.2	7.2	2.0	18	27.9	2.7
79/02/26	1510		6.8	9.0	87.7	7.6	1.0	9E	27.2	5.5
80/02/22	1025		7.3	8.6	82.9	7.5	1.0	9	24.0	2.4
NUMBER OF SAMPLES			5	5	5	5	5	5	5	4
MAXIMUM VALUE			8.10	9.40	87.70	7.80	5.00	23.00	27.90	5.50
MINIMUM VALUE			6.20	7.70	77.10	6.90	1.00	9.00	22.30	2.40
ARITHMETIC MEAN			7.14	8.62	83.64	7.40	2.00	13.60	25.66	3.73
GEOMETRIC MEAN			7.11	8.60	83.55	7.39	1.58	12.47	25.57	3.52
LOG/GEOMETRIC MEAN			1.96	2.15	4.43	2.00	0.46	2.52	3.24	1.26
MEDIAN			7.30	8.60	83.20	7.50	1.00	9.00	26.90	3.50
STANDARD DEV OF LOGS			0.10	0.06	0.03	0.03	0.71	0.46	0.10	0.39
STANDARD DEVIATION			0.70	0.64	4.28	0.35	1.73	6.54	2.40	1.45
VARIANCE			0.49	0.41	18.35	0.13	3.00	42.80	5.74	2.10
COEFF OF VARIATION			9.83	7.45	5.12	4.78	86.60	48.10	9.34	38.86
SUM OF VALUES			35.70	43.10	418.20	37.00	10.00	68.00	128.30	14.90
MEAN +2 STD DEV			8.54	9.70	92.21	8.11	5.46	26.68	30.45	6.62
MEAN -2 STD DEV			5.74	7.34	75.07	6.69	-1.46	0.52	20.87	0.83
GEO MEAN +2 STD DEV			8.67	10.00	92.71	8.14	6.54	30.99	30.97	7.68
GEO MEAN -2 STD DEV			5.84	7.40	75.30	6.71	0.38	5.02	21.11	1.61
SUM OF SQUARES			256.87	373.17	35051.64	274.30	12.00	1096.00	3315.15	61.79

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/03/20	1045		7.7	8.2	81.2	7.0	2.0	50	26.5	
76/03/18	0940		7.2	10.2	103.0	7.2	3.0	54	30.9	
77/03/24	0930		7.0	8.0	79.2	7.6	2.0	5	28.6	1.5
78/03/21	1030		8.9	11.6	113.0	7.4	2.0	14	19.3	3.3
79/03/26	1420		9.2	8.5	85.7	7.3		18	24.3	4.5
80/03/17	0910		9.8	9.3	94.6	7.6	2.0	0	23.7	6.0
81/03/13	1200		9.3	9.8	97.5	7.7		4	22.0	2.4
NUMBER OF SAMPLES			7	7	7	7	5	7	7	5
MAXIMUM VALUE			9.80	11.60	113.00	7.70	3.00	54.00	30.90	6.00
MINIMUM VALUE			7.00	8.00	79.20	7.00	2.00	0.00	19.20	1.50
ARITHMETIC MEAN			8.44	9.37	93.46	7.40	2.40	20.71	25.06	3.54
GEOMETRIC MEAN			8.38	9.30	92.78	7.40	2.35	4.90	24.78	3.17
LOG/GEOMETRIC MEAN			2.13	2.23	4.53	2.00	0.86	1.59	3.21	1.15
MEDIAN			8.90	9.30	94.60	7.40	2.00	14.00	24.30	3.30
STANDARD DEV OF LOGS			0.14	0.13	0.13	0.03	0.22	3.20	0.16	0.54
STANDARD DEVIATION			1.12	1.28	12.28	0.25	0.55	22.26	4.01	1.77
VARIANCE			1.26	1.64	150.72	0.06	0.30	495.57	16.05	3.12
COEFF OF VARIATION			13.28	13.68	13.14	3.40	22.82	107.47	15.99	49.92
SUM OF VALUES			59.10	65.60	654.20	51.80	12.00	145.00	175.40	17.70
MEAN +2 STD DEV			10.68	11.93	118.01	7.90	3.50	65.24	33.07	7.87
MEAN -2 STD DEV			6.20	6.81	68.90	6.90	1.30	-23.81	17.04	0.01
GEO MEAN +2 STD DEV			10.99	12.14	120.38	7.92	3.67	2952.13	34.26	9.35
GEO MEAN -2 STD DEV			6.39	7.17	71.50	6.91	1.51	0.01	17.92	1.08
SUM OF SQUARES			506.51	624.62	62043.98	383.70	30.00	5977.00	4491.32	75.15

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/04/14	1215		9.8	9.2	93.7	7.7	2.0	14	23.9	
76/04/22	1035		8.3	11.9	109.3	8.2	5.0	9	18.2	1.4
77/04/27	1305		12.1	10.3		7.9	3.0	5		1.8
78/04/12	0845		9.7	11.6	117.6	8.2	3.0	9	23.3	1.5
79/04/09	1445		9.2	11.3	114.7	7.8	1.0	14	25.3	2.5
80/04/21	1050		9.4	6.7	66.8	8.1	3.0	5	21.9	1.5
NUMBER OF SAMPLES			6	6	5	6	6	6	5	5
MAXIMUM VALUE			12.10	11.90	117.60	8.20	5.00	14.00	25.30	2.50
MINIMUM VALUE			8.30	6.70	66.80	7.70	1.00	5.00	13.20	1.40
ARITHMETIC MEAN			9.75	10.17	100.42	7.98	2.83	9.33	21.56	1.74
GEOMETRIC MEAN			9.69	9.98	98.41	7.98	2.54	8.57	21.02	1.70
LOG/GEOMETRIC MEAN			2.27	2.30	4.59	2.08	0.93	2.15	3.05	0.53
MEDIAN			9.55	10.80	109.30	8.00	3.00	9.00	23.50	1.50
STANDARD DEV OF LOGS			0.12	0.22	0.23	0.03	0.54	0.46	0.27	0.24
STANDARD DEVIATION			1.27	1.97	20.94	0.21	1.33	4.03	4.83	0.45
VARIANCE			1.61	3.86	438.35	0.05	1.77	16.27	23.31	0.20
COEFF OF VARIATION			13.02	19.33	20.85	2.68	46.91	43.21	22.39	25.89
SUM OF VALUES			58.50	61.00	502.10	47.90	17.00	56.00	107.80	8.70
MEAN +2 STD DEV			12.29	14.10	142.29	8.41	5.49	17.40	31.22	2.64
MEAN -2 STD DEV			7.21	6.24	58.55	7.56	0.18	1.27	11.90	0.84
GEO MEAN +2 STD DEV			12.42	15.41	157.08	8.42	7.51	21.60	35.74	2.72
GEO MEAN -2 STD DEV			7.56	6.47	61.65	7.56	0.86	3.40	12.37	1.06
SUM OF SQUARES			578.43	439.48	52174.27	382.63	57.00	604.00	2417.40	15.95

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/23	0910		10.5	10.1	103.8	7.3	1.0	65	23.0	
74/05/28	0945		12.5	9.5	96.2	7.2	2.0	33	14.0	
75/05/13	1110		12.3	9.8	97.7	7.2	4.0	28	12.0	
76/05/19	0945		10.8	11.0	112.4	8.1	1.0	5	21.1	2.7
77/05/11	1100		11.1	9.5	99.1	7.9	1.0	9	23.3	2.7
78/05/03	1440		11.6	10.5	107.0	7.2	2.0	0	18.0	2.0
79/05/30	1005		13.5	11.0	120.0	8.3	14.0	9	21.3	3.0
80/05/21	1130		10.1	9.6	99.7	8.1	5.0	5	25.8	2.2
NUMBER OF SAMPLES			8	8	8	8	8	8	8	5
MAXIMUM VALUE			13.50	11.00	120.00	8.30	16.00	65.00	25.80	3.00
MINIMUM VALUE			10.10	9.50	96.20	7.20	1.00	0.00	12.00	2.00
ARITHMETIC MEAN			11.55	10.13	104.49	7.66	4.00	19.25	19.81	2.52
GEOMETRIC MEAN			11.50	10.11	104.21	7.65	2.45	5.28	19.24	2.49
LOG/GEOMETRIC MEAN			2.44	2.31	4.65	2.03	0.89	1.66	2.96	0.91
MEDIAN			11.35	9.95	101.75	7.60	2.00	9.00	21.20	2.70
STANDARD DEV OF LOGS			0.10	0.06	0.08	0.06	0.98	2.96	0.27	0.17
STANDARD DEVIATION			1.15	0.64	8.25	0.48	5.07	21.86	4.78	0.41
VARIANCE			1.32	0.41	68.10	0.23	25.71	477.93	22.88	0.17
COEFF OF VARIATION			9.95	6.29	7.90	6.28	126.77	113.57	24.14	16.22
SUM OF VALUES			92.40	81.00	835.90	61.30	32.00	154.00	158.50	12.60
MEAN +2 STD DEV			13.85	11.40	120.99	8.62	14.14	62.97	29.38	3.34
MEAN -2 STD DEV			9.25	8.85	87.98	6.70	-6.14	-24.47	10.25	1.70
GEO MEAN +2 STD DEV			14.00	11.45	121.54	8.67	17.46	1985.43	32.87	3.48
GEO MEAN -2 STD DEV			9.45	8.93	89.36	6.75	0.34	0.01	11.26	1.79
SUM OF SQUARES			1076.46	822.96	87817.83	471.33	308.00	6310.00	3300.43	32.42

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/06/13	0935		14.5	9.3	94.3	7.1	1.0	25	7.0	
75/06/11	0935		14.0	10.0	104.5	8.9	2.0	36	14.0	
76/06/08	1345		12.5	9.5	96.7	7.4	3.0	5	14.8	1.8
77/06/13	1545		17.2	9.7	108.4	7.6	2.0	14	14.4	1.5
78/06/26	0950		14.9	8.9	100.2	7.8	2.0	5	23.1	3.7
79/06/19	1405		12.8	8.6	93.3	7.9	1.0	5	23.9	3.6
80/06/23	1600		14.4	11.3	125.6	8.4	2.0	0	22.7	2.7
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			17.20	11.30	125.60	8.90	3.00	36.00	23.90	3.75
MINIMUM VALUE			12.50	8.65	93.30	7.10	1.00	0.00	7.00	1.50
ARITHMETIC MEAN			14.33	9.62	103.29	7.87	1.86	12.86	17.13	2.67
GEOMETRIC MEAN			14.26	9.59	102.80	7.85	1.74	3.60	15.94	2.50
LOG/GEOMETRIC MEAN			2.66	2.26	4.63	2.06	0.55	1.28	2.77	0.92
MEDIAN			14.40	9.50	100.20	7.80	2.00	5.00	14.80	2.70
STANDARD DEV OF LOGS			0.11	0.09	0.10	0.08	0.41	3.01	0.44	0.41
STANDARD DEVIATION			1.55	0.87	11.25	0.61	0.69	13.13	6.30	1.02
VARIANCE			2.40	0.76	126.68	0.37	0.48	172.48	39.63	1.04
COEFF OF VARIATION			10.81	9.05	10.89	7.75	37.16	102.15	36.75	38.19
SUM OF VALUES			100.30	67.35	723.00	55.10	13.00	90.00	119.90	13.35
MEAN +2 STD DEV			17.43	11.36	125.78	9.09	3.24	39.12	29.72	4.71
MEAN -2 STD DEV			11.23	7.88	80.79	6.65	0.48	-13.41	4.54	0.63
GEO MEAN +2 STD DEV			17.81	11.43	126.47	9.15	3.91	1496.97	38.07	5.68
GEO MEAN -2 STD DEV			11.55	8.05	83.55	6.74	0.77	0.01	6.68	1.10
SUM OF SQUARES			1451.55	652.55	75434.48	435.95	27.00	2192.00	2291.51	39.80

Table 6c. continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/07/24	1035		18.3	9.9	117.9	8.0	2.0	18	21.5	
76/07/20	1308		16.3	12.5	144.0	8.2	2.0	0	23.4	1.8
77/07/21	0940		13.6	6.0	67.9	7.4	3.0	36	28.0	3.0
78/07/28	1135		16.5	7.3	85.2	7.2	2.0	23	23.8	3.0
79/07/17	1410		21.8			7.9	1.0	5	19.5	3.5
80/07/22	1430		18.2	11.2	132.6		2.0	0	20.9	2.1
NUMBER OF SAMPLES			6	5	5	5	6	6	6	5
MAXIMUM VALUE			21.80	12.50	144.00	8.20	3.00	36.00	28.00	3.50
MINIMUM VALUE			13.60	6.00	67.90	7.20	1.00	0.00	19.50	1.80
ARITHMETIC MEAN			17.45	9.38	109.52	7.74	2.00	13.67	22.85	2.68
GEOMETRIC MEAN			17.27	9.05	105.43	7.73	1.91	1.11	22.69	2.60
LOG/GEOMETRIC MEAN			2.85	2.20	4.66	2.05	0.65	0.10	3.12	0.96
MEDIAN			17.35	9.90	117.90	7.90	2.00	11.50	22.45	3.00
STANDARD DEV OF LOGS			0.16	0.30	0.32	0.05	0.36	4.24	0.13	0.28
STANDARD DEVIATION			2.73	2.69	32.08	0.42	0.63	14.51	2.99	0.70
VARIANCE			7.45	7.25	1028.87	0.18	0.40	210.67	8.92	0.50
COEFF OF VARIATION			15.64	28.69	29.29	5.45	31.62	106.20	13.07	26.31
SUM OF VALUES			104.70	46.92	547.60	38.70	12.00	82.00	137.10	13.40
MEAN +2 STD DEV			22.91	14.77	173.67	8.58	3.26	42.70	28.82	4.09
MEAN -2 STD DEV			11.99	4.00	45.37	6.90	0.74	-15.36	16.88	1.27
GEO MEAN +2 STD DEV			23.63	16.66	198.63	8.63	3.88	5303.24	29.23	4.54
GEO MEAN -2 STD DEV			12.62	4.92	55.96	6.93	0.94	0.00	17.62	1.49
SUM OF SQUARES			1864.27	469.28	64088.62	300.25	26.00	2174.00	3177.31	37.90

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/08/12	1512		17.0			7.8	1.0		21.0	
75/08/13	0955		17.6	9.3	111.8	7.3	1.0	25	25.2	
76/08/24	1350		13.1	6.9	74.6	7.7	1.0	9	22.5	3.7
77/08/18	0935		17.0	8.2	97.6	7.8	1.0	23	25.5	2.4
78/08/22	1350		13.5	5.7	60.6	7.0	10.0	14	18.5	2.3
79/08/28	1015		15.2	6.4	73.9	7.6	1.0	5	26.3	2.1
80/08/29	1030		12.7	7.0	78.3		1.0	5	28.9	4.8
NUMBER OF SAMPLES			7	6	6	6	7	6	7	5
MAXIMUM VALUE			17.60	9.30	111.80	7.80	10.00	25.00	28.90	4.80
MINIMUM VALUE			12.70	5.79	60.60	7.00	1.00	5.00	18.50	2.10
ARITHMETIC MEAN			15.16	7.27	82.80	7.53	2.29	13.50	23.99	3.06
GEOMETRIC MEAN			15.03	7.18	81.14	7.53	1.39	11.04	23.76	2.90
LOG/GEOMETRIC MEAN			2.71	1.97	4.40	2.02	0.33	2.40	3.17	1.07
MEDIAN			15.20	6.95	76.45	7.65	1.00	11.50	25.20	2.40
STANDARD DEV OF LOGS			0.14	0.17	0.22	0.04	0.87	0.72	0.15	0.36
STANDARD DEVIATION			2.07	1.27	18.54	0.32	3.40	8.80	3.52	1.16
VARIANCE			4.30	1.62	343.92	0.10	11.57	77.50	12.41	1.34
COEFF OF VARIATION			13.67	17.50	22.40	4.25	148.82	65.21	14.69	37.87
SUM OF VALUES			106.10	43.62	496.80	45.20	16.00	81.00	167.90	15.30
MEAN +2 STD DEV			19.30	9.81	119.89	8.17	9.09	31.11	31.03	5.38
MEAN -2 STD DEV			11.01	4.73	45.71	6.89	-4.52	-4.11	16.94	0.74
GEO MEAN +2 STD DEV			19.81	10.10	125.66	8.21	7.92	46.18	32.17	5.91
GEO MEAN -2 STD DEV			11.41	5.11	52.40	6.90	0.24	2.64	17.54	1.42
SUM OF SQUARES			1633.95	325.21	42854.62	341.02	106.00	1481.00	4101.69	52.19

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/09/18	0850		14.5	3.5	39.9	6.8	2.0	59	26.3	
75/09/18	1400		15.0	10.0	114.4	8.0	2.0	9	25.4	
76/09/16	1505		14.7	9.5	106.2	7.5	1.0	14	22.7	3.2
77/09/15	1010		12.1	7.0	77.8	7.5	1.0	9	29.7	6.1
78/09/19	0945		12.5	7.6	78.1	7.8	2.0		16.4	4.0
79/09/18	1615		16.3	11.2	131.4	8.3	2.0	5	25.3	1.8
NUMBER OF SAMPLES			6	6	6	6	6	5	6	4
MAXIMUM VALUE			16.30	11.20	131.40	8.30	2.00	59.00	29.70	6.10
MINIMUM VALUE			12.10	3.50	39.90	6.80	1.00	5.00	16.40	1.80
ARITHMETIC MEAN			14.18	8.13	91.30	7.65	1.67	19.20	24.30	3.78
GEOMETRIC MEAN			14.11	7.64	85.37	7.64	1.59	12.73	23.91	3.44
LOG/GEOMETRIC MEAN			2.65	2.03	4.45	2.03	0.46	2.54	3.17	1.24
MEDIAN			14.60	8.55	92.15	7.65	2.00	9.00	25.35	3.60
STANDARD DEV OF LOGS			0.11	0.42	0.43	0.07	0.36	0.93	0.20	0.51
STANDARD DEVIATION			1.59	2.75	32.75	0.52	0.52	22.48	4.48	1.80
VARIANCE			2.54	7.56	1072.42	0.27	0.27	505.20	20.07	3.23
COEFF OF VARIATION			11.23	33.80	35.87	6.75	30.98	117.07	18.44	47.60
SUM OF VALUES			85.10	48.80	547.80	45.90	10.00	96.00	145.80	15.10
MEAN +2 STD DEV			17.37	13.63	156.80	8.68	2.70	64.15	33.26	7.37
MEAN -2 STD DEV			11.00	2.63	25.80	6.62	0.63	-25.75	15.34	0.18
GEO MEAN +2 STD DEV			17.73	17.70	200.79	8.76	3.25	82.12	35.95	9.52
GEO MEAN -2 STD DEV			11.23	3.29	36.29	6.65	0.78	1.97	15.90	1.25
SUM OF SQUARES			1219.69	434.70	55376.22	352.47	18.00	3864.00	3643.28	66.69

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/10/17	1020		11.2	2.2	23.8	7.3	1.0	28	28.3	
75/10/16	1425		11.2	6.0	65.5	7.2	4.0	14	29.8	
76/10/21	1405		10.5	7.2	76.0	7.8	4.0	32	26.9	2.3
77/10/12	1355		12.0	6.2	67.0	7.6	2.0	18	25.8	3.7
78/10/13	1108		12.0	8.2	85.3	7.8	3.0	0	20.0	2.5
79/10/16	1500		11.8	5.3	58.1	7.5	2.0	32	28.5	3.0
80/10/07	1520		13.3	11.1	123.6	8.2	1.0	14	26.4	3.6
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			13.30	11.10	123.60	8.20	4.00	32.00	29.80	3.70
MINIMUM VALUE			10.50	2.20	23.80	7.20	1.00	0.00	20.00	2.30
ARITHMETIC MEAN			11.71	6.60	71.33	7.63	2.43	19.71	26.53	3.02
GEOMETRIC MEAN			11.69	6.01	64.92	7.62	2.12	6.53	26.34	2.97
LOG/GEOMETRIC MEAN			2.46	1.79	4.17	2.03	0.75	1.88	3.27	1.09
MEDIAN			11.80	6.20	67.00	7.60	2.00	18.00	26.90	3.00
STANDARD DEV OF LOGS			0.07	0.51	0.51	0.04	0.59	3.19	0.13	0.21
STANDARD DEVIATION			0.88	2.73	30.10	0.34	1.27	11.74	3.19	0.63
VARIANCE			0.78	7.46	906.00	0.12	1.62	137.90	10.17	0.40
COEFF OF VARIATION			7.55	41.37	42.20	4.46	52.39	59.57	12.02	20.86
SUM OF VALUES			82.00	46.20	499.30	53.40	17.00	138.00	185.70	15.10
MEAN +2 STD DEV			13.48	12.06	131.53	8.31	4.97	43.20	32.91	4.28
MEAN -2 STD DEV			9.95	1.14	11.13	6.95	-0.12	-3.77	20.15	1.76
GEO MEAN +2 STD DEV			13.56	16.52	178.50	8.33	6.85	3812.80	34.25	4.54
GEO MEAN -2 STD DEV			10.07	2.19	23.61	6.98	0.66	0.01	20.26	1.94
SUM OF SQUARES			965.26	349.66	41050.35	408.06	51.00	3548.00	4987.39	47.19

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/11/13	1305		10.5	5.4	50.9	6.9	2.0	35	9.4	
75/11/20	1005		8.0	11.2	106.1	7.4	2.0	5	19.0	
76/11/23	1450		8.8	6.0	61.1	6.9	1.0	14	27.0	3.4
77/11/08	1400		10.4	7.8	82.2	7.3	6.0	5	27.1	3.4
78/11/30	1400		8.7	6.8	70.0	7.7	3.0	5	29.0	3.0
79/11/15	1350		8.0	5.9	59.3	7.3	2.0	28	27.6	2.8
80/11/20	1315		8.9	7.8	79.7	7.7	2.0	9	22.2	
NUMBER OF SAMPLES			7	7	7	7	7	7	7	4
MAXIMUM VALUE			10.50	11.20	106.10	7.70	6.00	35.00	29.00	3.40
MINIMUM VALUE			8.00	5.40	50.90	6.90	1.00	5.00	9.40	2.80
ARITHMETIC MEAN			9.04	7.27	72.76	7.31	2.57	14.43	23.76	3.15
GEOMETRIC MEAN			8.99	7.07	70.86	7.31	2.25	10.64	22.42	3.14
LOG/GEOMETRIC MEAN			2.20	1.96	4.26	1.99	0.81	2.36	3.11	1.14
MEDIAN			8.80	6.80	70.00	7.30	2.00	9.00	27.10	3.20
STANDARD DEV OF LOGS			0.11	0.25	0.25	0.05	0.54	0.83	0.41	0.10
STANDARD DEVIATION			1.03	1.97	18.49	0.33	1.62	12.27	7.12	0.30
VARIANCE			1.06	3.86	341.91	0.11	2.62	150.62	50.76	0.09
COEFF OF VARIATION			11.36	27.03	25.41	4.50	62.94	85.06	29.99	9.52
SUM OF VALUES			63.30	50.91	509.30	51.20	18.00	101.00	166.30	12.60
MEAN +2 STD DEV			11.10	11.20	109.74	7.97	5.81	38.97	38.01	3.75
MEAN -2 STD DEV			6.99	3.34	35.78	6.66	-0.67	-10.12	9.51	2.55
GEO MEAN +2 STD DEV			11.23	11.58	115.82	8.00	6.63	56.35	50.73	3.81
GEO MEAN -2 STD DEV			7.20	4.32	43.36	6.68	0.76	2.01	9.91	2.59
SUM OF SQUARES			578.75	393.45	39106.65	375.14	62.00	2361.00	4255.37	39.96

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/12/19	1030		8.0	7.8	77.5		2.0	43	26.1	
75/12/17	1340		7.5	10.3	93.2	7.4	3.0	5	11.8	
76/12/15	1307		8.9	7.6	77.7	6.6	2.0	14	27.4	
77/12/20	1345		5.2	10.6	90.3	7.4	4.0	14	13.0	1.5
78/12/19	1000		6.3	9.0	86.7	7.9	2.0	0	27.2	4.5
79/12/12	1345		5.8	10.6	90.6	7.5	5.0	16	11.2	1.2
80/12/15	1155		6.0	9.1	83.4	7.7	2.0	9	21.0	3.6
NUMBER OF SAMPLES			7	7	7	6	7	7	7	4
MAXIMUM VALUE			8.90	10.60	93.20	7.90	5.00	43.00	27.40	4.50
MINIMUM VALUE			5.20	7.60	77.50	6.60	2.00	0.00	11.20	1.20
ARITHMETIC MEAN			6.81	9.29	85.63	7.42	2.86	12.86	19.96	2.70
GEOMETRIC MEAN			6.70	9.21	85.43	7.41	2.67	1.57	18.77	2.32
LOG/GEOMETRIC MEAN			1.90	2.22	4.45	2.00	0.98	0.38	2.93	0.84
MEDIAN			6.30	9.10	86.70	7.45	2.00	14.00	21.00	2.55
STANDARD DEV OF LOGS			0.19	0.14	0.07	0.06	0.39	3.73	0.39	0.65
STANDARD DEVIATION			1.34	1.27	6.31	0.44	1.21	14.75	7.18	1.51
VARIANCE			1.80	1.61	39.82	0.20	1.48	217.48	51.51	2.28
COEFF OF VARIATION			19.68	13.66	7.37	5.99	42.32	114.70	36.00	57.49
SUM OF VALUES			47.70	65.00	599.40	44.50	20.00	90.00	139.70	10.80
MEAN +2 STD DEV			9.50	11.82	98.25	8.31	5.29	42.35	34.33	5.71
MEAN -2 STD DEV			4.13	6.75	73.01	6.53	0.43	-16.64	5.59	-0.31
GEO MEAN +2 STD DEV			9.88	12.18	99.17	8.38	5.50	323.13	40.39	5.48
GEO MEAN -2 STD DEV			4.55	6.96	73.59	6.54	1.23	0.00	8.66	0.84
SUM OF SQUARES			335.83	613.22	51564.68	331.03	66.00	2462.00	3097.69	35.70

Table 7a.

ECB203 ECOBAM NEAR PIERS 1 & 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/28	1025		12.3	9.1	7.2	2.0	30	14.0		91.8	0.998	615900	35439	651340
74/06/13	1010		14.2	9.1	7.2	1.0	23	6.0		91.2	0.439	630160	37651	667820
74/08/12	1545		16.0		7.8	1.0		23.0			0.722	572880	39703	612590
74/09/18	0920		14.5	2.6	6.9	3.0	90	27.4		29.8	0.916	656580	37866	694450
74/10/17	1050		11.5	2.3	7.1	1.0	28	28.3		25.0		763030	39591	802630
74/11/13	1320		11.0	6.0	7.1	2.0	35	25.0		63.2		507130	34546	541676
74/12/19	1100		8.2	6.8		3.0	65	26.1		67.9		541640	40501	582140
75/01/16	1015		7.0	7.0	7.2	4.0	45	26.7		68.3	0.000	578450	36392	614840
75/03/20	1020		7.7	8.5	7.2	1.0	14	26.8		84.3	0.000	459120	30565	489690
75/04/14	1235		9.3	8.5	7.4	2.0	18	25.9		86.8		212500	21334	23834
75/05/13	0915		11.4	9.3	6.8	3.0	26	12.7		91.3	0.288	258730	25880	284610
75/06/11	1000		14.0	10.3	7.8	2.0	18	13.5		107.3	0.817	158040	31847	189990
75/07/24	1100		17.9	11.5	8.0	2.0	18	21.3		135.7	0.263	225770	28444	254210
75/08/13	1030		17.1	8.6	7.2	1.0	33	25.8		102.8	0.180	300060	30855	330920
75/09/18	1420		16.0	10.0	7.6	2.0	18	25.6		116.8	0.000	258260	30351	288610
75/10/16	1450		11.5	5.8	7.2	4.0	80	29.3		63.5	0.000	207250	33437	240680
75/11/20	1035		8.0	12.4	7.5	2.0	5	16.6		115.6	0.000	52343	23060	75403
75/12/17	1335		7.0	10.8	7.5	4.0	14	13.7		96.6	0.000	309060	34008	343070
76/01/22	1035		6.9	10.4	7.6	4.0	0	20.7		97.2		257980	37931	295910
76/02/19	1005		6.4	9.4	7.7	3.0	9	23.2		88.3		293710	33612	327320
76/03/18	1040		7.2	9.8	7.0	2.0	36	30.9		99.0	1.000	5500	50044	55544
76/04/22	1110		8.8	11.7	8.2	3.0	9	13.8	1.8	109.1	1.495	296710	35050	331760
76/05/05	1400		10.4	9.1	8.4	5.0	9	12.0		87.0	1.000	284410	18853	303260
76/06/08	1410		12.6	9.5	7.4	3.0	9	16.0	1.8	97.6	0.702	307740	34301	342040
76/07/20	1325		16.3	11.6	8.2	2.0	5	22.3	2.1	133.5	0.431	231390	40591	271980
76/08/24	1400		12.7	6.3	7.5	1.0	14	23.1	2.7	67.8	1.061	335360	38083	373450
76/09/16	1535		14.4	9.1	7.4	1.0	14	23.2	2.7	101.5	0.107	248360	41215	289570
76/10/21	1435		10.3	5.0	7.4	2.0	50	27.6	1.8	52.8		230050	38151	268200
76/11/24	1510		8.4	6.0	7.1	1.0	18	26.8	2.7	60.5		248280	36417	315860
76/12/15	1322		8.7	7.8	6.9	3.0	41	28.6		80.1		231890	38167	270050
77/01/13	1320		8.3	5.1	6.9	5.0	72	29.8	1.8	52.4		202780	40523	243310
77/02/25	1105		8.7	6.2	6.6	2.0	45	26.0	1.8	62.5	0.918	148870	35414	184280
77/03/24	0950		7.0	7.8	7.0	1.0	5	29.2	2.4	77.5	0.000	291520	37794	329310
77/04/27	1335		12.2	10.0	7.8	2.0	9		1.8		0.942	273640	39729	313370
77/05/11	1230		11.2	8.2	7.5	2.0	28	23.4	2.1	85.8	0.000	270770	39060	309830
77/06/13	1620		17.8	9.9	7.7	1.0	18	18.3	2.3	114.5	1.459	256590	38447	295040
77/07/21	1015		14.0	4.5	7.2	4.0	59	28.3	1.8	51.4	0.720	294670	44513	339180
77/08/18	1010		16.8	7.7	7.8	1.0	28	27.1	1.8	92.2	0.035	317150	42430	359580
77/09/15	1045		11.9	4.8	7.0	1.0	32	28.9	3.7	52.8	0.150	210120	36959	247080
77/10/12	1415		12.0	6.3	7.6	1.0	23	25.3	3.0	67.8		322740	19231	341970
77/11/08	1425		10.3	6.0	7.1	3.0	9	28.2	1.8	63.6	0.000	252220	49658	301880
77/12/20	1400		5.5	10.7	7.4	3.0	18	13.4	1.5	92.1	1.000	226900	42364	269260
78/01/12	1125		5.9	8.8	7.3	2.0	5	27.6	2.7	84.3	0.000	235100	38427	273530
78/02/15	1210		7.5	8.5	7.1	3.0	5	30.7	2.4	86.3	0.983	224410	42553	266960
78/03/31	1100		8.8	8.8	7.4	2.0	14	17.6	2.7	84.1	0.811	245920	39062	284980
78/04/13	0905		9.6	9.0	7.7	3.0	18	23.5	2.0	91.0	0.000	291660	36750	328410
78/05/03	1510		11.4	10.3	7.0	2.0	0	19.3	1.5	105.4	0.140	199370	45003	244370
78/06/26	1020		14.8	8.5	7.6	1.0	5	23.3	2.5	95.6	0.942	253790	35962	289750
78/07/28	1155		17.8	7.2	7.4	2.0	18	23.9	2.0	86.2	0.254	222490	43963	266450
78/08/22	1320		13.3	5.7	6.8	10.0E	14	17.8	2.5	60.1		124100	35009	159110
78/09/19	1010		12.7	7.2	7.8	1.0		16.5	3.5	74.4		6000	0	6000
78/10/13	1113		12.2	7.7	7.8	4.0	5	20.4	2.5	80.7		0	0	0
78/11/30	1425		8.6	7.0	7.7	3.0	5	27.8	2.0	71.3	0.000	3600	0	3600
78/12/19	1015		6.8	8.2	8.0	2.0	0	29.1	4.5	81.0	0.000	0	0	0
79/01/31	1020		5.2	8.2	7.6	3.0	5	29.4	5.0	78.2	0.000	0	0	0
79/02/26	1530		7.1	8.4	7.3	3.0	23	26.8	2.0	82.2		107170	38802	145980
79/03/26	1440		8.6	8.1	7.2		18	24.0	2.5	80.4	0.000	317030	35675	352710
79/04/09	1500		8.6	9.0	7.5	4.0	36	26.1	2.2	90.6	0.000	100610	34680	135290
79/05/30	1030		14.5	10.5	8.2	14.0	5	19.3	3.5	116.0	0.905	89847	40208	130050
79/06/19	1430		13.1	8.3	7.7	1.0	14	24.1	3.0	90.7	0.379	95859	33531	129390
79/07/17	1420		19.4		7.7	1.0	5	20.5	3.5		0.000	178260	43217	221480
79/08/28	1050		14.9	5.8	7.4	2.0	18	26.7	2.2	66.8	0.345	171820	34856	206680
79/09/18	1650		15.8	9.6	7.7	2.0	27	26.0	1.5	112.0	1.107	126390	38493	164880
79/10/16	1525		11.8	5.5	7.4	3.0	32	28.6	2.7	60.3	0.983	130080	36066	166150
79/11/15	1425		8.5	4.0	7.0	2.0	59	26.6	1.5	40.3	0.000	173670	42660	216330
79/12/12	1405		6.5	9.3	7.3	6.0	14	15.8	1.0	83.3	0.000	196450	26152	222610
80/01/25	1015		5.3	9.8	7.8	2.0	9	19.4	1.8	87.4	0.000	4425	11841	16266
80/02/22	1045		7.4	8.5	7.5	4.0	9	23.6	2.4	81.9		6308	16510	13840
80/03/17	0940		12.0	8.7	7.5	2.0	0	25.0	3.0	89.7	0.000	3289	9653	12942
80/04/21	1140		8.2	10.2	8.2	2.0	0	20.6	2.3	98.1	0.276	2950	6864	9814
80/05/21	1100		10.3	9.6	7.9	4.0	0	24.1	2.8	99.0		3090	4983	8073
80/06/23	1640		14.6	10.4	8.2	2.0	0	21.9	2.7	115.5		3325	7119	10444
80/07/22	1500		17.7	10.8		2.0	0	25.2	2.4	130.0		3889	6199	10088
80/08/29	1105		13.5	6.8		2.0	14	27.9	2.7	76.8	0.000	4340	7126	11466
80/10/07	1540		13.1	12.3	8.2	1.0	28	26.2	2.7	136.2		2767	11048	13815
80/11/20	1345		7.4	8.0	7.7	3.0	32	28.2		79.6		4398	7128	11526
80/12/15	1210		5.9	9.3	7.6	2.0	0	20.0	2.4	84.3		2491	4533	7024
81/03/13	1130		9.1	9.2	7.7		8	23.6	2.6	92.1		12573	7265	19838

Table 7b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SHL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/28	1025		12.3	9.1	91.8	7.2	2.0	30	14.0	
74/06/13	1010		14.2	9.1	91.2	7.2	1.0	23	6.0	
74/08/12	1545		16.0			7.8	1.0		23.0	
74/09/18	0920		14.5	2.6	29.8	6.9	3.0	90	27.4	
74/10/17	1050		11.5	2.3	25.0	7.1	1.0	28	28.3	
74/11/13	1320		11.0	6.0	63.2	7.1	2.0	35	25.0	
74/12/19	1100		8.2	6.8	67.9		3.0	65	26.1	
NUMBER OF SAMPLES			7	6	6	6	7	6	7	0
MAXIMUM VALUE			16.00	9.10	91.80	7.80	3.00	90.00	28.30	
MINIMUM VALUE			8.20	2.30	25.00	6.90	1.00	23.00	6.00	
ARITHMETIC MEAN			12.53	5.98	61.68	7.22	1.86	45.17	21.40	
GEOMETRIC MEAN			12.28	5.22	54.69	7.21	1.67	39.77	19.24	
LOG/GEOMETRIC MEAN			2.51	1.65	4.00	1.98	0.51	3.68	2.96	
MEDIAN			12.30	6.40	65.55	7.15	2.00	32.50	25.00	
STANDARD DEV OF LOGS			0.22	0.61	0.56	0.04	0.51	0.53	0.57	
STANDARD DEVIATION			2.61	3.00	28.92	0.31	0.90	26.54	8.30	
VARIANCE			6.82	9.02	836.23	0.09	0.81	704.57	68.86	
COEFF OF VARIATION			20.84	50.20	47.03	4.24	48.45	58.77	38.78	
SUM OF VALUES			87.70	35.90	368.90	43.30	13.00	271.00	149.80	
MEAN +2 STD DEV			17.75	11.99	119.32	7.83	3.66	98.25	38.00	
MEAN -2 STD DEV			7.31	-0.02	3.65	6.60	0.06	-7.92	4.80	
GEO MEAN +2 STD DEV			19.18	17.70	168.28	7.83	4.60	115.77	59.76	
GEO MEAN -2 STD DEV			7.86	1.54	17.78	6.64	0.61	13.66	6.20	
SUM OF SQUARES			1139.67	259.91	26842.37	312.95	29.00	15763.00	3618.86	

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SHL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/01/16	1015		7.0	7.0	68.3	7.2	4.0	45	26.7	
75/03/20	1020		7.7	8.5	84.3	7.2	1.0	14	26.8	
75/04/14	1235		9.3	8.5	86.8	7.4	2.0	18	25.9	
75/05/13	0915		11.4	9.3	91.3	6.8	3.0	26	12.7	
75/06/11	1000		14.0	10.3	107.3	7.8	2.0	18	13.5	
75/07/24	1100		17.9	11.5	135.7	8.0	2.0	18	21.3	
75/08/13	1030		17.1	8.6	102.8	7.2	1.0	33	25.8	
75/09/18	1420		16.0	10.0	116.8	7.6	2.0	18	25.6	
75/10/16	1450		11.5	5.8	63.5	7.2	4.0	80	29.3	
75/11/20	1035		8.0	12.4	115.6	7.5	2.0	5	16.6	
75/12/17	1335		7.0	10.8	96.6	7.5	4.0	14	13.7	
NUMBER OF SAMPLES			11	11	11	11	11	11	11	0
MAXIMUM VALUE			17.90	12.40	135.70	8.00	4.00	80.00	29.30	
MINIMUM VALUE			7.00	5.80	63.50	6.80	1.00	5.00	12.70	
ARITHMETIC MEAN			11.54	9.34	97.18	7.40	2.45	26.27	21.63	
GEOMETRIC MEAN			10.86	9.14	94.95	7.39	2.21	20.81	20.69	
LOG/GEOMETRIC MEAN			2.39	2.21	4.55	2.00	0.79	3.04	3.03	
MEDIAN			11.40	9.30	96.60	7.40	2.00	18.00	25.60	
STANDARD DEV OF LOGS			0.36	0.22	0.23	0.04	0.50	0.71	0.32	
STANDARD DEVIATION			4.13	1.94	21.49	0.33	1.13	20.76	6.30	
VARIANCE			17.08	3.75	461.90	0.11	1.27	431.02	39.68	
COEFF OF VARIATION			35.83	20.74	22.12	4.48	45.96	79.02	29.13	
SUM OF VALUES			126.90	102.70	1069.00	81.40	27.00	289.00	237.90	
MEAN +2 STD DEV			19.80	13.21	140.17	8.06	4.71	67.79	34.23	
MEAN -2 STD DEV			3.27	5.46	54.20	6.74	0.20	-15.25	9.03	
GEO MEAN +2 STD DEV			22.36	14.22	150.14	8.09	5.96	86.86	39.41	
GEO MEAN -2 STD DEV			5.29	5.87	60.05	6.76	0.82	4.99	10.87	
SUM OF SQUARES			1634.81	996.33	108506.34	603.46	79.00	11903.00	5541.91	

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SHL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/01/22	1035		6.9	10.4	97.2	7.6	4.0	0	20.7	
76/02/19	1005		6.6	9.6	88.3	7.7	3.0	9	23.2	
76/03/18	1040		7.2	9.8	99.0	7.0	2.0	36	30.9	
76/04/22	1110		8.8	11.7	109.1	8.2	3.0	9	13.8	1.8
76/05/05	1400		10.4	9.1	87.0	8.4	5.0	9	12.0	
76/06/08	1410		12.6	9.5	97.6	7.4	3.0	9	16.0	1.8
76/07/20	1325		16.3	11.6	133.5	8.2	2.0	5	22.3	2.1
76/08/24	1400		12.7	6.3	67.8	7.5	1.0	14	23.1	2.7
76/09/16	1535		14.4	9.1	101.5	7.4	1.0	14	23.2	2.7
76/10/21	1435		10.3	5.0	52.8	7.4	2.0	50	27.6	1.8
76/11/24	1510		8.4	6.0	60.5	7.1	1.0	18	26.8	2.7
76/12/15	1322		8.7	7.8	80.1	6.9	3.0	41	28.6	
NUMBER OF SAMPLES			12	12	12	12	12	12	12	7
MAXIMUM VALUE			16.30	11.70	133.50	8.40	5.00	50.00	30.90	2.70
MINIMUM VALUE			6.40	5.00	52.80	6.90	1.00	0.00	12.00	1.80
ARITHMETIC MEAN			10.26	8.81	89.53	7.57	2.50	17.83	22.35	2.23
GEOMETRIC MEAN			9.84	8.54	86.88	7.55	2.20	7.69	21.53	2.19
LOG/GEOMETRIC MEAN			2.29	2.14	4.46	2.02	0.79	2.04	3.07	0.78
MEDIAN			9.55	9.25	92.75	7.45	2.50	11.50	23.15	2.10
STANDARD DEV OF LOGS			0.30	0.27	0.26	0.06	0.55	2.42	0.30	0.20
STANDARD DEVIATION			3.14	2.14	22.23	0.48	1.24	15.74	5.91	0.45
VARIANCE			9.88	4.58	494.01	0.24	1.55	247.79	34.98	0.21
COEFF OF VARIATION			30.64	24.29	24.82	6.41	49.73	88.27	26.46	20.35
SUM OF VALUES			123.10	105.70	1074.40	90.80	30.00	214.00	268.20	15.60
MEAN +2 STD DEV			16.54	13.09	133.99	8.54	4.99	49.32	34.18	3.14
MEAN -2 STD DEV			3.97	4.53	45.08	6.60	0.01	-13.65	10.52	1.32
GEO MEAN +2 STD DEV			17.94	14.60	146.52	8.57	6.59	967.63	38.97	3.29
GEO MEAN -2 STD DEV			5.40	5.00	51.52	6.65	0.74	0.06	11.90	1.46
SUM OF SQUARES			1371.45	981.41	101628.74	689.64	92.00	6542.00	6379.08	36.00

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SHL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
77/01/13	1320		8.3	5.1	52.4	6.9	5.0	72	29.8	1.8
77/02/25	1105		8.7	6.2	62.5	6.6	2.0	45	26.0	1.8
77/03/24	0950		7.0	7.8	77.5	7.0	1.0	5	29.2	2.4
77/04/27	1335		12.2	10.0		7.8	2.0	9		1.8
77/05/11	1230		11.2	8.2	85.8	7.5	2.0	28	23.4	2.1
77/06/13	1620		17.8	9.9	114.5	7.7	1.0	18	18.3	2.3
77/07/21	1015		14.0	4.5	51.4	7.2	4.0	59	28.3	1.8
77/08/18	1010		16.8	7.7	92.2	7.8	1.0	28	27.1	1.8
77/09/15	1045		11.9	4.8	52.8	7.0	1.0	32	28.9	3.7
77/10/12	1415		12.0	6.3	67.8	7.6	1.0	23	25.3	3.0
77/11/08	1425		10.3	6.0	63.6	7.1	3.0	9	28.2	1.8
77/12/20	1400		5.5	10.7	92.1	7.4	3.0	18	13.4	1.5
NUMBER OF SAMPLES			12	12	11	12	12	12	11	12
MAXIMUM VALUE			17.80	10.70	114.50	7.80	5.00	72.00	29.80	3.70
MINIMUM VALUE			5.50	4.50	51.40	6.60	1.00	5.00	13.40	1.50
ARITHMETIC MEAN			11.31	7.27	73.87	7.30	2.17	28.83	25.26	2.15
GEOMETRIC MEAN			10.73	6.96	71.45	7.29	1.83	22.22	24.66	2.08
LOG/GEOMETRIC MEAN			2.37	1.94	4.27	1.99	0.61	3.10	3.21	0.73
MEDIAN			11.55	7.00	67.80	7.30	2.00	25.50	27.10	1.80
STANDARD DEV OF LOGS			0.35	0.30	0.27	0.05	0.60	0.80	0.25	0.26
STANDARD DEVIATION			3.70	2.12	20.39	0.39	1.34	20.60	5.14	0.63
VARIANCE			13.67	4.51	415.60	0.15	1.79	424.52	26.38	0.40
COEFF OF VARIATION			32.69	29.24	27.60	5.35	61.71	71.46	20.33	29.32
SUM OF VALUES			135.70	87.20	812.60	87.60	26.00	346.00	277.90	25.80
MEAN +2 STD DEV			18.70	11.52	114.65	8.08	4.84	70.04	35.54	3.41
MEAN -2 STD DEV			3.91	3.02	33.10	6.52	-0.51	-12.37	14.99	0.89
GEO MEAN +2 STD DEV			21.41	12.61	122.30	8.12	6.09	109.82	40.30	3.48
GEO MEAN -2 STD DEV			5.38	3.87	41.74	6.55	0.55	4.50	15.09	1.24
SUM OF SQUARES			1684.89	683.30	64185.00	641.16	76.00	14646.00	7284.53	59.84

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SHL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
78/01/12	1125		5.9	8.8	84.3	7.3	2.0	5	27.6	2.7
78/02/15	1210		7.5	8.5	86.3	7.1	3.0	5	30.7	2.4
78/03/31	1100		8.8	8.8	84.1	7.4	2.0	14	17.6	2.7
78/04/13	0905		9.6	9.0	91.0	7.7	3.0	18	23.5	2.0
78/05/03	1510		11.4	10.3	105.4	7.0	2.0	0	19.3	1.5
78/06/26	1020		14.8	8.5	95.6	7.6	1.0	5	23.3	2.5
78/07/28	1155		17.8	7.2	84.2	7.6	2.0	18	23.9	2.0
78/08/22	1320		13.3	5.7	60.1	6.8	10.0K	14	17.8	2.5
78/09/19	1010		12.7	7.2	74.4	7.8	1.0		16.5	3.5
78/10/13	1113		12.2	7.7	80.7	7.8	4.0	5	20.4	2.5
78/11/30	1425		8.6	7.0	71.3	7.7	3.0	5	27.8	2.0
78/12/19	1015		6.8	8.2	81.0	8.0	2.0	9	29.1	4.5
NUMBER OF SAMPLES			12	12	12	12	12	11	12	12
MAXIMUM VALUE			17.80	10.30	105.40	8.00	10.00	18.00	30.70	4.50
MINIMUM VALUE			5.90	5.71	60.10	6.80	1.00	0.00	16.50	1.50
ARITHMETIC MEAN			10.78	8.08	83.37	7.47	2.92	8.09	23.13	2.57
GEOMETRIC MEAN			10.26	8.00	82.59	7.46	2.39	2.17	22.65	2.47
LOG/GEOMETRIC MEAN			2.33	2.08	4.41	2.01	0.87	0.77	3.12	0.90
MEDIAN			10.50	8.35	84.20	7.50	2.00	5.00	23.40	2.50
STANDARD DEV OF LOGS			0.33	0.15	0.14	0.05	0.61	3.05	0.21	0.28
STANDARD DEVIATION			3.55	1.19	11.64	0.37	2.39	6.67	4.87	0.79
VARIANCE			12.58	1.42	135.59	0.13	5.72	44.49	23.69	0.62
COEFF OF VARIATION			32.89	14.73	13.97	4.89	82.00	82.44	21.05	30.60
SUM OF VALUES			129.40	96.95	1000.40	89.60	35.00	89.00	277.50	30.80
MEAN +2 STD DEV			17.88	10.46	106.66	8.20	7.70	21.43	32.86	4.14
MEAN -2 STD DEV			3.69	5.70	60.08	6.74	-1.87	-5.25	13.39	1.00
GEO MEAN +2 STD DEV			19.99	10.86	110.24	8.23	8.16	971.59	34.70	4.35
GEO MEAN -2 STD DEV			5.26	5.89	61.88	6.76	0.70	0.00	14.79	1.40
SUM OF SQUARES			1533.72	798.86	84891.50	670.48	165.00	1165.00	6677.75	85.84

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SHL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
79/01/31	1020		5.2	8.2	78.2	7.6	3.0	5	29.4	5.0
79/02/26	1530		7.1	8.4	82.2	7.3	3.0	23	26.8	2.0
79/03/26	1440		8.6	8.1	80.4	7.2		18	24.0	2.5
79/04/09	1500		8.6	9.0	90.6	7.5	4.0	36	26.1	2.2
79/05/30	1030		14.5	10.5	116.0	8.2	14.0	5	19.3	3.5
79/06/19	1430		13.1	8.3	90.7	7.7	1.0	14	24.1	3.0
79/07/17	1420		19.4			7.7	1.0	5	20.5	3.5
79/08/28	1050		14.9	5.8	66.8	7.4	2.0	18	26.7	2.2
79/09/18	1650		15.8	9.6	112.0	7.7	2.0	27	26.0	1.5
79/10/16	1525		11.8	5.5	60.3	7.4	3.0	32	28.6	2.7
79/11/15	1425		8.5	4.0	40.3	7.0	2.0	59	26.6	1.5
79/12/12	1405		6.5	9.3	83.3	7.3	6.0	14	15.8	1.0
NUMBER OF SAMPLES			12	11	11	12	11	12	12	12
MAXIMUM VALUE			19.40	10.50	116.00	8.20	14.00	59.00	29.40	5.00
MINIMUM VALUE			5.20	4.05	40.30	7.00	1.00	5.00	15.80	1.00
ARITHMETIC MEAN			11.17	7.89	81.89	7.50	3.73	21.33	24.49	2.55
GEOMETRIC MEAN			10.37	7.63	78.98	7.49	2.77	16.23	24.15	2.34
LOG/GEOMETRIC MEAN			2.34	2.03	4.37	2.01	1.02	2.79	3.18	0.85
MEDIAN			10.20	8.32	82.20	7.45	3.00	18.00	26.05	2.38
STANDARD DEV OF LOGS			0.41	0.29	0.29	0.04	0.76	0.82	0.18	0.44
STANDARD DEVIATION			4.40	1.96	21.60	0.31	3.69	15.70	4.04	1.09
VARIANCE			19.33	3.82	466.51	0.10	13.62	246.61	16.30	1.20
COEFF OF VARIATION			39.37	24.78	26.38	4.14	99.01	73.61	16.48	42.82
SUM OF VALUES			134.00	86.80	900.80	90.00	41.00	256.00	293.90	30.65
MEAN +2 STD DEV			19.96	11.80	125.09	8.12	11.11	52.74	32.57	4.74
MEAN -2 STD DEV			2.37	3.98	38.69	6.88	-3.65	-10.07	16.42	0.37
GEO MEAN +2 STD DEV			23.46	13.56	142.29	8.13	12.64	83.41	34.78	5.66
GEO MEAN -2 STD DEV			4.58	4.29	43.84	6.90	0.61	3.16	16.76	0.97
SUM OF SQUARES			1708.98	723.17	78432.40	676.06	289.00	8174.00	7377.41	91.44

Table 7b, continued.

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
80/01/25	1015		5.3	9.8	87.4	7.8	2.0	9	19.4	1.8
80/02/22	1045		7.4	8.5	81.9	7.5	4.0	9	23.6	2.4
80/03/17	0940		10.0	8.7	89.7	7.5	2.0	0	25.0	3.0
80/04/21	1140		8.2	10.2	98.1	8.2	2.0	0	20.6	2.3
80/05/21	1100		10.3	9.6	99.0	7.9	4.0	0	24.1	2.8
80/06/23	1640		14.6	10.4	115.5	8.2	2.0	0	21.9	2.7
80/07/22	1500		17.7	10.8	130.0		2.0	0	25.2	2.4
80/08/29	1105		13.5	6.8	76.8		2.0	14	27.9	2.7
80/10/07	1540		13.1	12.3	136.2	8.2	1.0	28	26.2	2.7
80/11/20	1345		7.4	8.0	79.6	7.7	3.0	32	28.2	
80/12/15	1210		5.9	9.3	84.5	7.6	2.0	0	20.0	2.4
NUMBER OF SAMPLES			11	11	11	9	11	11	11	10
MAXIMUM VALUE			17.70	12.30	136.20	8.20	4.00	32.00	28.20	3.00
MINIMUM VALUE			5.30	6.80	76.80	7.50	1.00	0.00	19.40	1.80
ARITHMETIC MEAN			10.31	9.49	98.06	7.84	2.36	8.36	23.83	2.52
GEOMETRIC MEAN			9.63	9.38	96.28	7.84	2.21	0.20	23.65	2.50
LOG/GEOMETRIC MEAN			2.26	2.24	4.57	2.06	0.79	-1.63	3.16	0.92
MEDIAN			10.00	9.60	89.70	7.80	2.00	0.00	24.10	2.55
STANDARD DEV OF LOGS			0.39	0.16	0.20	0.04	0.39	4.23	0.13	0.14
STANDARD DEVIATION			3.96	1.49	20.50	0.30	0.92	11.82	3.05	0.34
VARIANCE			15.70	2.21	420.12	0.09	0.85	139.65	9.31	0.11
COEFF OF VARIATION			38.44	15.68	20.90	3.78	39.11	141.30	12.81	13.33
SUM OF VALUES			113.40	104.40	1078.70	70.60	26.00	92.00	262.10	25.20
MEAN +2 STD DEV			18.23	12.47	139.06	8.44	4.21	32.00	29.93	3.19
MEAN -2 STD DEV			2.38	6.51	57.07	7.25	0.51	-15.27	17.72	1.85
GEO MEAN +2 STD DEV			21.00	12.93	142.88	8.45	4.79	921.98	30.66	3.32
GEO MEAN -2 STD DEV			4.42	6.81	64.87	7.27	1.02	0.00	18.24	1.88
SUM OF SQUARES			1326.06	1013.00	109982.41	554.52	70.00	2166.00	6338.23	64.52

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
81/03/13	1130		9.1	9.2	92.1	7.7		8	23.6	2.6
NUMBER OF SAMPLES			1	1	1	1	0	1	1	1
MAXIMUM VALUE			9.10	9.20	92.10	7.70		8.00	23.60	2.60
MINIMUM VALUE			9.10	9.20	92.10	7.70		8.00	23.60	2.60
ARITHMETIC MEAN										
GEOMETRIC MEAN										
LOG/GEOMETRIC MEAN										
MEDIAN										
STANDARD DEV OF LOGS										
STANDARD DEVIATION										
VARIANCE										
COEFF OF VARIATION										
SUM OF VALUES										
MEAN +2 STD DEV										
MEAN -2 STD DEV										
GEO MEAN +2 STD DEV										
GEO MEAN -2 STD DEV										
SUM OF SQUARES										

Table 7c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/01/16	1015		7.8	7.8	68.3	7.2	4.0	45	26.7	
76/01/22	1035		6.9	10.4	97.2	7.6	4.0	8	20.7	
77/01/13	1320		8.3	5.1	52.4	6.9	5.0	72	29.8	1.8
78/01/12	1125		5.9	8.8	84.3	7.3	2.0	5	27.6	2.7
79/01/31	1020		5.2	8.2	78.2	7.6	3.0	5	29.4	5.0
80/01/25	1015		5.3	9.8	87.4	7.8	2.0	9	19.4	1.8
NUMBER OF SAMPLES			6	6	6	6	6	6	6	4
MAXIMUM VALUE			8.30	10.40	97.20	7.80	5.00	72.00	29.80	5.00
MINIMUM VALUE			5.20	5.10	52.40	6.90	2.00	0.00	19.40	1.80
ARITHMETIC MEAN			6.43	8.22	77.97	7.40	3.33	22.67	25.60	2.83
GEOMETRIC MEAN			6.34	8.00	76.50	7.39	3.14	3.92	25.25	2.57
LOG/GEOMETRIC MEAN			1.85	2.08	4.34	2.00	1.14	1.37	3.23	0.94
MEDIAN			6.40	8.50	81.25	7.45	3.50	7.00	27.15	2.25
STANDARD DEV OF LOGS			0.18	0.26	0.22	0.04	0.39	3.45	0.18	0.48
STANDARD DEVIATION			1.19	1.94	15.79	0.33	1.21	29.18	4.47	1.51
VARIANCE			1.42	3.76	249.23	0.11	1.47	851.47	19.95	2.28
COEFF OF VARIATION			18.54	23.60	20.25	- 4.44	36.33	128.73	17.45	53.48
SUM OF VALUES			38.60	49.30	467.80	44.40	20.00	136.00	153.60	11.30
MEAN +2 STD DEV			8.82	12.10	109.54	8.06	5.76	81.03	34.53	5.85
MEAN -2 STD DEV			4.05	4.34	46.39	6.74	0.91	-35.49	16.67	-0.20
GEO MEAN +2 STD DEV			9.13	13.48	118.68	8.09	6.79	1928.88	36.54	6.75
GEO MEAN -2 STD DEV			4.41	4.75	49.31	6.76	1.45	0.00	17.45	0.98
SUM OF SQUARES			255.44	423.89	37718.98	329.10	74.00	7340.00	4031.90	38.77

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/02/19	1005		6.4	9.4	88.3	7.7	3.0	9	23.2	
77/02/25	1105		8.7	4.2	42.5	6.6	2.0	45	26.0	1.8
78/02/15	1210		7.5	8.5	86.3	7.1	3.0	5	30.7	2.4
79/02/26	1530		7.1	8.4	82.2	7.3	3.0	23	26.8	2.0
80/02/22	1045		7.4	8.5	81.9	7.5	4.0	9	23.6	2.4
NUMBER OF SAMPLES			5	5	5	5	5	5	5	4
MAXIMUM VALUE			8.70	9.40	88.30	7.70	4.00	45.00	30.70	2.40
MINIMUM VALUE			6.40	6.20	62.50	6.60	2.00	5.00	23.20	1.80
ARITHMETIC MEAN			7.42	8.20	80.24	7.24	3.00	18.20	26.04	2.15
GEOMETRIC MEAN			7.38	8.12	79.65	7.23	2.93	13.32	25.93	2.13
LOG/GEOMETRIC MEAN			2.00	2.09	4.38	1.98	1.08	2.59	3.26	0.76
MEDIAN			7.40	8.50	82.20	7.30	3.00	9.00	26.00	2.20
STANDARD DEV OF LOGS			0.11	0.16	0.14	0.06	0.25	0.87	0.11	0.14
STANDARD DEVIATION			0.83	1.19	10.28	0.42	0.71	16.47	3.01	0.30
VARIANCE			0.70	1.42	105.75	0.18	0.50	271.20	9.06	0.09
COEFF OF VARIATION			11.25	14.51	12.82	5.83	23.57	90.48	11.56	13.95
SUM OF VALUES			37.10	41.00	401.20	36.20	15.00	91.00	130.30	8.60
MEAN +2 STD DEV			9.09	10.58	100.81	8.08	4.41	51.14	32.09	2.75
MEAN -2 STD DEV			5.75	5.82	59.67	6.40	1.59	-14.74	20.03	1.55
GEO MEAN +2 STD DEV			9.22	11.14	105.24	8.14	4.80	76.33	32.48	2.84
GEO MEAN -2 STD DEV			5.92	5.93	60.28	6.42	1.79	2.32	20.69	1.61
SUM OF SQUARES			278.07	341.86	32615.28	262.80	47.00	2741.00	3431.93	18.76

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/03/20	1020		7.7	8.5	84.3	7.2	1.0	14	24.8	
76/03/18	1040		7.2	9.8	99.0	7.0	2.0	36	30.9	
77/03/24	0950		7.0	7.8	77.5	7.0	1.0	5	29.2	2.4
78/03/31	1100		8.8	8.8	84.1	7.4	2.0	14	17.6	2.7
79/03/26	1440		8.6	8.1	80.4	7.2		18	24.0	2.5
80/03/17	0940		10.0	8.7	89.7	7.5	2.0	0	25.8	3.0
81/03/13	1130		9.1	9.2	92.1	7.7		8	23.6	2.6
NUMBER OF SAMPLES			7	7	7	7	5	7	7	5
MAXIMUM VALUE			10.00	9.80	99.00	7.70	2.00	36.00	30.90	3.00
MINIMUM VALUE			7.00	7.80	77.50	7.00	1.00	0.00	17.60	2.40
ARITHMETIC MEAN			8.34	8.70	86.73	7.29	1.60	13.57	25.38	2.64
GEOMETRIC MEAN			8.28	8.68	86.46	7.28	1.52	4.26	24.95	2.63
LOG/GEOMETRIC MEAN			2.11	2.16	4.46	1.99	0.42	1.45	3.22	0.97
MEDIAN			8.60	8.70	84.30	7.20	2.00	14.00	25.00	2.60
STANDARD DEV OF LOGS			0.13	0.08	0.08	0.04	0.38	3.04	0.18	0.09
STANDARD DEVIATION			1.09	0.67	7.37	0.24	0.55	11.23	4.34	0.31
VARIANCE			1.19	0.45	54.38	0.07	0.30	135.29	18.80	0.05
COEFF OF VARIATION			13.05	7.68	8.50	3.58	34.23	85.70	17.14	8.72
SUM OF VALUES			58.40	60.90	607.10	51.00	8.00	95.00	177.10	13.20
MEAN +2 STD DEV			10.52	10.04	101.48	7.81	2.70	36.83	33.97	3.10
MEAN -2 STD DEV			6.16	7.36	71.98	6.76	0.50	-9.69	16.83	2.18
GEO MEAN +2 STD DEV			10.76	10.11	102.28	7.82	3.24	1859.89	36.02	3.12
GEO MEAN -2 STD DEV			6.38	7.45	73.09	6.78	0.71	0.01	17.29	2.22
SUM OF SQUARES			494.34	532.51	52979.21	371.98	14.00	2101.00	4593.41	15.06

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/04/14	1235		9.3	8.5	86.8	7.4	2.0	18	25.9	
76/04/22	1110		8.8	11.7	109.1	8.2	3.0	9	13.8	1.8
77/04/27	1335		12.2	10.0		7.8	2.0	9		1.8
78/04/13	0905		9.6	9.8	91.0	7.7	3.0	18	23.5	2.0
79/04/09	1500		8.6	9.0	90.6	7.5	4.0	36	26.1	2.2
80/04/21	1140		8.2	10.2	98.1	8.2	2.0	0	20.6	2.3
NUMBER OF SAMPLES			6	6	5	6	6	6	5	5
MAXIMUM VALUE			12.20	11.70	109.10	8.20	4.00	36.00	26.10	2.30
MINIMUM VALUE			8.20	8.50	86.80	7.40	2.00	0.00	13.80	1.80
ARITHMETIC MEAN			9.45	9.73	95.12	7.80	2.67	15.00	21.98	2.03
GEOMETRIC MEAN			9.37	9.68	94.81	7.79	2.57	4.09	21.43	2.02
LOG/GEOMETRIC MEAN			2.24	2.27	4.55	2.05	0.94	1.41	3.06	0.70
MEDIAN			9.05	9.50	91.00	7.75	2.50	13.50	23.50	2.00
STANDARD DEV OF LOGS			0.14	0.12	0.09	0.04	0.29	3.33	0.26	0.12
STANDARD DEVIATION			1.44	1.16	8.82	0.34	0.82	12.30	5.09	0.24
VARIANCE			2.06	1.35	77.74	0.12	0.67	151.20	25.87	0.06
COEFF OF VARIATION			15.20	11.94	9.27	4.37	30.62	81.98	23.14	11.76
SUM OF VALUES			56.70	58.40	475.60	46.80	16.00	90.00	109.90	10.15
MEAN +2 STD DEV			12.32	12.06	112.75	8.48	4.30	39.59	32.15	2.51
MEAN -2 STD DEV			6.58	7.41	77.49	7.12	1.03	-9.59	11.81	1.55
GEO MEAN +2 STD DEV			12.42	12.20	113.51	8.50	4.63	3182.93	36.32	2.55
GEO MEAN -2 STD DEV			7.07	7.67	79.19	7.14	1.43	0.01	12.64	1.60
SUM OF SQUARES			544.13	575.18	45550.00	365.60	46.00	2106.00	2519.07	26.83

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/28	1025		12.3	9.1	91.8	7.2	2.0	30	14.0	
75/05/13	0915		11.4	9.3	91.3	6.8	3.0	26	12.7	
76/05/05	1400		10.4	9.1	87.0	6.4	5.0	9	12.0	
77/05/11	1230		11.2	8.2	85.8	7.5	2.0	28	23.4	2.1
78/05/03	1510		11.4	10.3	105.4	7.0	2.0	0	19.3	1.5
79/05/28	1030		14.5	10.5	114.0	8.2	14.0	5	19.3	1.5
80/05/21	1100		10.3	9.6	99.0	7.9	4.0	0	24.1	2.8
NUMBER OF SAMPLES			7	7	7	7	7	7	7	4
MAXIMUM VALUE			14.50	10.50	116.00	8.40	14.00	30.90	24.10	3.50
MINIMUM VALUE			10.30	8.20	85.80	6.80	2.00	0.00	12.00	1.50
ARITHMETIC MEAN			11.84	9.44	96.61	7.57	4.57	14.00	17.83	2.48
GEOMETRIC MEAN			11.57	9.41	96.11	7.55	3.52	1.58	17.32	2.36
LOG/GEOMETRIC MEAN			2.45	2.24	4.57	2.02	1.26	0.46	2.85	0.86
MEDIAN			11.40	9.30	91.80	7.50	3.00	9.00	19.30	2.45
STANDARD DEV OF LOGS			0.12	0.08	0.11	0.08	0.71	1.99	0.29	0.37
STANDARD DEVIATION			1.43	0.78	10.95	0.61	4.31	13.50	4.99	0.87
VARIANCE			2.04	0.61	119.91	0.38	18.62	182.33	24.94	0.75
COEFF OF VARIATION			12.28	8.29	11.33	8.10	94.39	96.45	28.01	34.97
SUM OF VALUES			81.50	66.10	676.30	53.00	32.00	98.00	124.80	9.90
MEAN +2 STD DEV			14.50	11.01	118.52	8.60	13.20	41.01	27.82	4.21
MEAN -2 STD DEV			8.78	7.88	74.71	6.35	-4.06	-13.01	7.84	0.74
GEO MEAN +2 STD DEV			14.60	11.13	119.70	8.66	14.59	4594.51	30.65	4.91
GEO MEAN -2 STD DEV			9.17	7.97	77.16	6.42	0.85	0.00	9.67	1.13
SUM OF SQUARES			941.13	427.85	66059.73	403.54	258.00	2466.00	2374.64	26.75

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/06/13	1010		14.2	9.1	91.2	7.2	1.0	23	6.0	
75/06/11	1000		14.0	10.3	107.3	7.8	2.0	18	13.5	
76/06/08	1410		12.6	9.5	97.6	7.4	3.0	9	16.0	1.8
77/06/13	1620		17.8	9.9	114.5	7.7	1.0	18	18.3	2.3
78/06/26	1020		14.8	9.5	95.6	7.6	1.0	5	23.3	2.5
79/06/19	1430		13.1	8.3	90.7	7.7	1.0	14	24.1	3.0
80/06/23	1640		14.6	10.4	115.5	8.2	2.0	0	21.9	2.7
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			17.80	10.40	115.50	8.20	3.00	23.00	24.10	3.00
MINIMUM VALUE			12.60	8.32	90.70	7.20	1.00	0.00	6.00	1.80
ARITHMETIC MEAN			14.44	9.43	101.77	7.66	1.57	12.43	17.59	2.46
GEOMETRIC MEAN			14.36	9.40	101.31	7.65	1.43	4.21	16.19	2.42
LOG/GEOMETRIC MEAN			2.66	2.24	4.62	2.03	0.35	1.44	2.78	0.89
MEDIAN			14.20	9.50	97.60	7.70	1.00	14.00	18.10	2.50
STANDARD DEV OF LOGS			0.11	0.09	0.10	0.04	0.46	3.02	0.49	0.19
STANDARD DEVIATION			1.68	0.81	10.57	0.32	0.79	8.14	6.42	0.45
VARIANCE			2.81	0.69	111.81	0.10	0.62	66.29	41.27	0.20
COEFF OF VARIATION			11.61	8.80	10.39	4.12	50.07	65.51	36.53	18.32
SUM OF VALUES			101.10	66.02	712.40	53.60	11.00	87.00	123.10	12.30
MEAN +2 STD DEV			17.80	11.09	122.92	8.29	3.15	28.71	30.41	3.36
MEAN -2 STD DEV			11.09	7.77	80.62	7.03	0.00	-3.85	4.74	1.56
GEO MEAN +2 STD DEV			17.93	11.23	124.45	8.31	3.60	1751.19	42.77	3.57
GEO MEAN -2 STD DEV			11.51	7.87	82.47	7.05	0.57	0.01	6.13	1.65
SUM OF SQUARES			1477.05	626.79	73172.84	411.02	21.00	1479.00	2412.45	31.07

Table 7c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/07/24 1100			17.9	11.5	135.7	8.0	2.0	18	21.3	
76/07/20 1325			16.3	11.6	133.5	8.2	2.0	5	22.3	2.1
77/07/21 1015			14.0	4.5	51.4	7.2	4.0	59	28.3	1.8
78/07/28 1155			17.8	7.2	86.2	7.4	2.0	18	23.9	2.0
79/07/17 1420			19.4			7.7	1.0	5	28.5	3.5
80/07/22 1500			17.7	10.8	130.0		2.0	0	25.2	2.4
NUMBER OF SAMPLES			6	5	5	5	6	6	6	5
MAXIMUM VALUE			19.40	11.60	135.70	8.20	4.00	59.00	28.30	3.50
MINIMUM VALUE			14.00	4.50	51.40	7.20	1.00	0.00	20.50	1.80
ARITHMETIC MEAN			17.18	9.13	107.36	7.70	2.17	17.50	23.58	2.36
GEOMETRIC MEAN			17.10	8.80	100.85	7.69	2.00	3.66	23.44	2.29
LOG/GEOMETRIC MEAN			2.84	2.15	4.61	2.04	0.69	1.30	3.15	0.83
MEDIAN			17.75	10.80	130.00	7.70	2.00	11.50	23.10	2.30
STANDARD DEV OF LOGS			0.11	0.41	0.42	0.05	0.44	3.36	0.12	0.24
STANDARD DEVIATION			1.84	3.14	37.34	0.41	0.98	21.64	2.88	0.67
VARIANCE			3.40	9.88	1394.57	0.17	0.97	468.30	8.27	0.45
COEFF OF VARIATION			10.73	34.43	34.78	5.35	45.38	123.66	12.19	28.52
SUM OF VALUES			103.10	45.64	536.80	38.50	13.00	105.00	141.50	11.80
MEAN +2 STD DEV			20.87	15.41	182.05	8.52	4.13	60.78	29.33	3.71
MEAN -2 STD DEV			13.50	2.84	32.67	6.88	0.20	-25.78	17.83	1.01
GEO MEAN +2 STD DEV			21.40	19.55	234.25	8.56	4.81	3044.08	29.74	3.84
GEO MEAN -2 STD DEV			13.66	3.78	43.42	6.91	0.83	0.00	18.48	1.37
SUM OF SQUARES			1788.59	456.12	63209.14	297.13	33.00	4179.00	3378.37	29.66

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/08/12 1545			16.0			7.8	1.0		23.0	
75/08/13 1030			17.1	8.6	102.8	7.2	1.0	33	25.8	
76/08/24 1400			12.7	6.3	67.8	7.5	1.0	14	23.1	2.7
77/08/18 1010			16.8	7.7	92.2	7.8	1.0	28	27.1	1.8
78/08/22 1320			13.3	5.7	60.1	6.8	10.0E	14	17.8	2.5
79/08/28 1050			14.9	5.8	66.8	7.4	2.0	18	26.7	2.2
80/08/29 1105			13.5	6.6	76.8		2.0	14	27.9	2.7
NUMBER OF SAMPLES			7	6	6	6	7	6	7	5
MAXIMUM VALUE			17.10	8.60	102.80	7.80	10.00	33.00	27.90	2.70
MINIMUM VALUE			12.70	5.71	60.10	6.80	1.00	14.00	17.80	1.80
ARITHMETIC MEAN			14.90	6.82	77.75	7.42	2.57	20.17	24.49	2.38
GEOMETRIC MEAN			14.81	6.75	76.35	7.41	1.69	18.90	24.25	2.35
LOG/GEOMETRIC MEAN			2.70	1.91	4.34	2.00	0.53	2.94	3.19	0.86
MEDIAN			14.90	6.55	72.30	7.45	1.00	16.00	25.30	2.50
STANDARD DEV OF LOGS			0.12	0.16	0.21	0.05	0.85	0.38	0.16	0.17
STANDARD DEVIATION			1.78	1.13	16.54	0.38	3.31	8.30	3.51	0.38
VARIANCE			3.17	1.29	273.53	0.15	10.95	68.97	12.32	0.15
COEFF OF VARIATION			11.95	16.61	21.27	5.15	128.70	41.18	14.34	16.11
SUM OF VALUES			104.30	40.94	466.50	44.50	18.00	121.00	171.40	11.90
MEAN +2 STD DEV			18.46	9.09	110.83	8.18	9.19	36.78	31.51	3.15
MEAN -2 STD DEV			11.34	4.56	44.67	6.65	-4.05	3.56	17.46	1.61
GEO MEAN +2 STD DEV			18.82	9.32	115.41	8.22	9.24	40.76	33.12	3.32
GEO MEAN -2 STD DEV			11.65	4.69	50.51	6.67	0.31	8.77	17.75	1.67
SUM OF SQUARES			1573.09	285.77	37638.01	330.77	112.00	2785.00	4270.80	28.91

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/09/18 0920			14.5	2.6	29.8	6.9	3.0	90	27.4	
75/09/18 1420			16.0	10.0	116.8	7.6	2.0	18	25.8	
76/09/14 1535			14.4	9.1	101.5	7.4	1.0	14	23.2	2.7
77/09/15 1045			11.9	4.8	52.8	7.0	1.0	32	28.9	3.7
78/09/19 1018			12.7	7.2	74.4	7.8	1.0		16.5	3.5
79/09/18 1650			15.8	9.6	112.0	7.7	2.0	27	26.0	1.5
NUMBER OF SAMPLES			6	6	6	6	6	5	6	4
MAXIMUM VALUE			16.00	10.00	116.80	7.80	3.00	90.00	28.90	3.70
MINIMUM VALUE			11.90	2.60	29.30	6.90	1.00	14.00	16.50	1.50
ARITHMETIC MEAN			14.22	7.22	81.22	7.40	1.67	36.20	24.60	2.65
GEOMETRIC MEAN			14.14	6.54	75.55	7.39	1.51	28.74	24.22	2.69
LOG/GEOMETRIC MEAN			2.65	1.88	4.29	2.00	0.41	3.36	3.19	0.99
MEDIAN			14.45	8.15	87.95	7.50	1.50	27.00	25.60	3.10
STANDARD DEV OF LOGS			0.12	0.53	0.53	0.05	0.48	0.72	0.20	0.41
STANDARD DEVIATION			1.64	2.97	34.99	0.37	0.82	30.91	4.40	1.00
VARIANCE			2.69	8.83	1224.57	0.14	0.67	955.20	19.37	1.00
COEFF OF VARIATION			11.54	41.17	43.09	5.06	48.99	85.38	17.89	35.03
SUM OF VALUES			85.30	43.30	487.30	44.40	10.00	181.00	147.60	11.40
MEAN +2 STD DEV			17.50	13.16	151.20	8.15	3.30	98.81	33.40	4.85
MEAN -2 STD DEV			10.93	1.28	11.23	6.65	0.03	-25.61	15.80	0.85
GEO MEAN +2 STD DEV			17.90	16.80	212.94	8.19	3.93	120.49	36.26	6.15
GEO MEAN -2 STD DEV			11.16	2.28	25.25	6.67	0.58	6.85	16.17	1.18
SUM OF SQUARES			1226.15	356.61	45699.73	329.26	20.00	16373.00	3727.42	35.48

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/10/17 1050			11.5	2.3	25.0	7.1	1.0	28	28.3	
75/10/16 1450			11.5	5.8	63.5	7.2	4.0	80	29.3	
76/10/21 1435			10.3	5.0	52.8	7.4	2.0	50	27.6	1.8
77/10/12 1415			12.0	6.3	67.8	7.6	1.0	23	25.3	3.0
78/10/13 1113			12.2	7.7	80.7	7.8	4.0	5	20.4	2.5
79/10/16 1525			11.8	5.5	60.3	7.4	3.0	32	28.6	2.7
80/10/07 1540			13.1	12.3	136.2	8.2	1.0	28	26.2	2.7
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			13.10	12.30	136.20	8.20	4.00	80.00	29.30	3.00
MINIMUM VALUE			10.30	2.30	25.00	7.10	1.00	5.00	20.40	1.80
ARITHMETIC MEAN			11.77	6.41	69.47	7.53	2.29	35.14	26.53	2.54
GEOMETRIC MEAN			11.74	5.79	62.60	7.52	1.92	27.38	26.36	2.50
LOG/GEOMETRIC MEAN			2.46	1.76	4.14	2.02	0.65	3.31	3.27	0.92
MEDIAN			11.80	5.80	63.50	7.40	2.00	28.00	27.60	2.70
STANDARD DEV OF LOGS			0.07	0.51	0.51	0.05	0.65	0.86	0.12	0.20
STANDARD DEVIATION			0.85	3.07	34.05	0.38	1.38	23.81	3.04	0.45
VARIANCE			0.72	9.41	1159.50	0.14	1.90	566.81	9.24	0.20
COEFF OF VARIATION			7.20	47.82	49.01	5.01	60.38	67.75	11.44	17.74
SUM OF VALUES			82.40	44.90	486.30	52.70	16.00	246.00	185.70	12.70
MEAN +2 STD DEV			13.47	12.55	137.57	8.28	5.05	82.76	32.61	3.44
MEAN -2 STD DEV			10.08	0.28	1.37	6.77	-0.47	-12.47	20.45	1.64
GEO MEAN +2 STD DEV			13.59	15.92	172.90	8.30	7.08	153.56	33.79	3.70
GEO MEAN -2 STD DEV			10.15	2.11	22.66	6.81	0.52	4.88	20.57	1.69
SUM OF SQUARES			974.28	344.45	40740.95	397.61	48.00	12046.00	4981.79	33.97

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
73/11/13 1320			11.0	6.0	63.2	7.1	2.0	15	25.0	
75/11/24 1035			8.6	12.4	115.8	7.5	2.0	5	16.4	
76/11/24 1510			8.4	6.0	60.5	7.1	1.0	18	26.8	2.7
77/11/08 1425			10.3	6.0	63.6	7.1	3.0	9	28.2	1.8
78/11/30 1425			8.6	7.0	71.3	7.7	3.0	5	27.8	2.0
79/11/15 1425			8.5	6.0	60.3	7.8	2.0	59	26.6	1.5
80/11/26 1345			7.4	8.0	79.6	7.7	3.0	12	28.2	
NUMBER OF SAMPLES			7	7	7	7	7	7	7	4
MAXIMUM VALUE			11.00	12.40	115.80	7.70	3.00	59.00	28.20	2.70
MINIMUM VALUE			7.40	4.05	40.30	7.00	1.00	5.00	16.60	1.50
ARITHMETIC MEAN			8.89	7.06	70.59	7.31	2.29	23.29	25.00	2.00
GEOMETRIC MEAN			8.81	6.70	67.57	7.31	2.16	15.99	25.25	1.95
LOG/GEOMETRIC MEAN			2.18	1.98	4.21	1.99	0.77	2.77	3.23	0.67
MEDIAN			8.50	6.00	63.60	7.10	2.00	18.00	26.80	1.90
STANDARD DEV OF LOGS			0.14	0.34	0.32	0.04	0.39	0.99	0.19	0.25
STANDARD DEVIATION			1.29	2.64	23.20	0.31	0.76	19.96	4.13	0.51
VARIANCE			1.65	6.97	538.39	0.09	0.57	398.24	17.03	0.26
COEFF OF VARIATION			14.48	37.38	32.87	4.21	33.07	85.70	16.12	25.50
SUM OF VALUES			62.20	49.45	494.10	51.20	16.00	163.00	179.20	8.00
MEAN +2 STD DEV			11.46	12.35	116.99	7.93	3.80	63.20	33.85	3.02
MEAN -2 STD DEV			6.31	1.78	24.18	6.70	0.77	-16.63	17.35	0.98
GEO MEAN +2 STD DEV			11.66	13.29	127.55	7.95	4.75	115.18	36.98	3.20
GEO MEAN -2 STD DEV			6.66	3.38	35.39	6.72	0.98	2.22	17.28	1.19
SUM OF SQUARES			542.82	391.16	38186.75	375.06	48.00	6185.00	4649.68	16.78

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/12/19 1100			8.2	6.4	67.9		3.0	65	26.1	
75/12/17 1335			7.0	10.8	96.6	7.5	4.0	14	13.7	
76/12/15 1322			8.7	7.4	80.1	6.9	3.0	41	28.6	
77/12/28 1400			5.5	10.7	92.1	7.4	3.0	18	13.4	1.5
78/12/19 1015			6.8	8.2	81.0	8.0	2.0	0	29.1	4.5
79/12/12 1405			6.5	9.3	83.3	7.3	6.0	14	15.8	1.0
80/12/15 1210			5.9	9.3	84.5	7.6	2.0	0	20.0	2.4
NUMBER OF SAMPLES			7	7	7	6	7	7	7	4
MAXIMUM VALUE			8.70	10.80	96.60	8.00	6.00	65.00	29.10	4.50
MINIMUM VALUE			5.50	6.00	67.90	6.90	2.00	0.00	13.40	1.00
ARITHMETIC MEAN			6.74	8.99	83.84	7.45	3.29	21.71	20.96	2.35
GEOMETRIC MEAN			6.66	8.88	83.20	7.44	3.07	2.18	19.96	2.01
LOG/GEOMETRIC MEAN			1.93	2.18	4.42	2.01	1.12	0.78	2.99	0.70
MEDIAN			6.80	9.30	83.30	7.45	3.00	14.00	20.00	1.95
STANDARD DEV OF LOGS			0.16	0.17	0.11	0.05	0.38	4.19	0.34	0.65
STANDARD DEVIATION			1.16	1.48	9.20	0.36	1.18	23.53	4.93	1.55
VARIANCE			1.34	2.20	84.61	0.13	1.40	553.57	48.08	2.39
COEFF OF VARIATION			16.69	16.52	11.00	4.86	42.00	108.35	23.09	65.79
SUM OF VALUES			48.60	62.90	585.50	44.70	23.00	152.00	146.70	9.40
MEAN +2 STD DEV			9.26	11.96	102.04	8.17	6.05	68.77	34.82	5.44
MEAN -2 STD DEV			4.23	6.02	65.25	6.73	0.53	-25.34	7.09	-0.74
GEO MEAN +2 STD DEV			9.54	12.45	104.25	8.20	6.63	9540.29	39.48	7.31
GEO MEAN -2 STD DEV			4.93	6.33	66.40	6.75	1.42	0.00	10.09	0.55
SUM OF SQUARES			145.48	578.43	49480.53	333.67	87.00	6822.00	3362.87	29.26

Table 8a.

ECB204 ECOBAM NR PIER 3 & SO SCOTT PIER

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS	00067 TIDE STAGE CODE	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/28	1100		12.6	9.0	7.2	2.0	35	14.0		5210	91.4	0.361	615900	35439	651340
74/06/13	1115		16.7	9.2	7.2	1.0	30	7.0		5210	97.6	0.000	630160	37651	667820
74/08/12	1605		16.0		7.6	1.0	0	22.0		6210		0.000	572880	39703	612590
74/10/17	1120		11.6	3.1	7.0	2.0	43	28.0		7210	33.7		763030	39591	802630
74/11/13	1405		11.2	5.5	7.0	3.0	40	27.1		8210	59.0		507130	34540	541670
74/12/19	1125		8.1	7.5		3.0	40	26.4		2210	74.9	0.000	541640	40501	582140
75/03/20	1110		7.7	8.3	6.9	1.0	14	26.7		2210	82.3	0.000	459120	30565	489690
75/04/14	1255		9.6	8.4	7.5	3.0	28	25.3		3210	86.0		212500	21334	233830
75/05/13	0940		12.1	9.3	7.0	3.0	28	12.9		2210	92.8	1.498	258730	25880	284610
75/06/11	1020		15.0	10.2	8.2	2.0	18	14.3		2210	109.0	0.645	158040	31847	189990
75/07/24	1135		18.0	10.6	8.0	2.0	23	21.3		3210	125.3		225770	28444	254210
75/08/13	1110		16.6	8.1	7.2	1.0	35	26.3		5210	96.2	0.260	300060	30855	330920
75/09/18	1440		17.0	10.0		2.0	14	25.3		4210	118.9		258260	30331	288610
75/10/16	1510		11.0	6.0	7.1	4.0	32	29.2		1210	65.0		207250	33437	240680
75/11/20	1055		8.0	12.7	8.2	3.0		15.2		7210	117.4		52343	23060	75403
75/12/17	1415		7.5	9.3	7.5	3.0	23	16.6		5210	85.7	0.000	309060	34008	343070
76/01/22	1055		6.8	10.1	7.4	4.0	18	20.4		2210	93.9	0.722	257980	37931	295910
76/02/19	1025		6.3	8.7	7.2	3.0	18	23.2		2210	81.5		293710	33612	327320
76/03/18	1100		7.5	9.9	6.5	2.0	63	29.9		3210	99.9		5500	50044	55544
76/04/22	1135		9.7	11.6	8.2	4.0	14	13.5	1.5	5210	110.2	0.811	296710	35050	331760
76/05/05	1325		10.6	9.3	8.4	5.0	14	13.0	1.2	2210	89.9	0.863	284410	18853	303260
76/06/08	1430		12.2	9.8	7.6	3.0	5	16.5	1.8	5210	100.2		307740	34301	342040
76/07/20	1400		15.3	11.6	7.9	1.0	9	22.7		5210	131.3	0.000	231390	40591	271980
76/08/24	1420		12.5	6.7	7.4	1.0	9	23.1	2.0	4210	71.9	0.696	335360	38083	373450
76/09/16	1600		14.2	6.4	7.4	1.0	28	24.3	2.5	6210	71.6	0.087	248360	41215	289570
76/10/21	1500		10.7	3.8	7.0	4.0	36	27.6	1.4	1210	40.4	0.000	230050	38151	268200
76/11/23	1530		10.1	5.0	6.8	3.0	140	26.8	1.2	8210	52.3		278930	36926	315860
76/12/15	1343		9.6	4.7	6.2	5.0	8	27.7		2210	48.9		231890	38167	270050
77/01/13	1335		8.6	5.6	6.7	6.0	99	29.9	1.5	2210	57.9		202780	40523	243310
77/02/25	1130		8.9	6.9	6.9	2.0	41	26.4	1.8	2210	70.1		148870	35414	184280
77/03/24	1010		7.5	8.0	6.9	1.0	41	28.0	1.5	2210	79.7		291520	37794	329310
77/04/27	1355		12.4	10.1	7.8	2.0	9		1.5	5210		0.000	273640	39729	313370
77/05/11	1125		11.0	7.3	7.4	3.0	54	22.6	0.9	5210	75.6		270770	39060	309830
77/06/13	1645		17.2	9.9	7.8	1.0	18	18.2	1.7	5210	113.1		256590	38447	295040
77/07/21	1120		13.8	5.4	7.0	6.0	90	28.4	1.2	6210	61.5	0.136	294670	44513	339180
77/08/18	1035		16.7	6.4	7.4	1.0	41	26.7	2.1	6210	76.3	0.649	317150	42430	359580
77/09/15	1115		12.2	6.3	6.4	2.0	110	28.8	2.1	7210	69.7	0.074	210120	36959	247080
77/10/12	1510		12.1	4.2	6.8	2.0	90	25.6	1.5	8210	45.4	0.000	322740	19231	341970
77/11/08	1450		10.3	6.1	7.0	3.0	5	27.8	1.2	1210	64.5		252220	49658	301880
77/12/20	1425		6.2	9.9	7.4	4.0	32	14.5	1.2	1110	87.3	0.000	226900	42364	269260
78/01/12	1150		6.8	8.3	7.2	1.0	18	27.5	1.8	8210	81.1	0.000	235100	38427	273530
78/02/15	1230		7.4	8.5	7.1	2.0	23	30.4	2.1	2110	85.9		224410	42553	266960
78/03/31	1125		9.6	8.9	7.4	3.0	18	18.2	2.4	2210	86.9	0.000	245920	39062	284980
78/04/13	0920		9.2	8.2	7.3	4.0	32	24.2	1.2	5110	82.6		291660	36750	328410
78/05/03	1530		12.2	9.8	6.9	3.0	5	19.5	1.2	5110	102.1	0.000	199370	45003	244370
78/06/26	1040		15.9	9.2	7.8	1.0	5	21.2	2.5	5110	104.4	0.199	253790	35962	289750
78/07/28	1215		17.0	7.0	7.0	1.0	68	24.7	1.5	5110	82.9	1.557	222490	43963	266450
78/08/22	1300		13.2	6.0	6.6	10.0K	9	18.3	3.5	3110	63.3		124100	35009	159110
78/09/19	1145		13.4	6.7	7.8	2.0		16.4	2.7	6110	70.2	0.000	6000	0	6000
78/10/13	1119		12.4	7.9	7.8	3.0	5	20.7	2.7	4010	83.3		0	0	0
78/11/30	1445		9.0	6.9	7.6	4.0	9	27.8	1.5	1210	70.9	0.000	3600	0	3600
78/12/19	1040		7.9	7.5	7.9	2.0	0	30.5	3.5	1210	76.7		0	0	0
79/01/31	1040		6.2	7.7	7.6	3.0	5K	29.2	4.5	2110	75.1		0	0	0
79/02/26	1550		7.0	8.6	7.5	3.0	45	26.8	2.0	1110	84.0	0.000	107170	38802	145980
79/03/26	1500		8.2	8.5	7.2		18	25.8	2.5	5210	84.7	0.000	317030	35675	352710
79/04/09	1515		9.9	7.7	7.0	1.0	50	28.2	2.0	5210	80.9		100610	34680	135290
79/05/30	1105		14.6	9.5	7.9	13.0	2	19.3	2.5	6210	105.0		89847	40208	130050
79/06/19	1445		12.8	7.2	7.3	2.0	23	24.7	2.1	5110	78.5	0.954	95859	33531	129390
79/07/17	1450		18.8		7.2	1.0	14	23.5	3.5	5110		0.337	178260	43217	221480
79/08/28	1120		15.6	5.3	7.3	1.0	14	26.8	2.1	5110	61.9	1.370	171820	34856	206680
79/09/18	1735		15.6	10.1	8.0	2.0	9	26.3	1.5	1310	117.6	0.000	126390	38493	164880
79/10/16	1550		12.2	4.5	6.7	2.0	68	28.3	1.6	1210	49.6	0.469	130080	36066	166150
79/11/15	1450		8.7		7.0	2.0	77	27.1	1.8	1210		0.722	173670	42660	216330
79/12/12	1425		6.4	9.9	7.4	3.0	14	14.9	1.0	2110	87.9	0.918	196450	26152	222610
80/01/25	1105		5.4	9.6	7.9	3.0	5K	19.4	1.4	1210	85.8		4425	11841	16266
80/02/22	1110		7.3	8.1	7.1	3.0	5	23.6	2.4	2110	77.9		6308	7532	13840
80/03/17	1005		10.8	8.1	7.4	1.0	5	23.8	2.4	7210	84.2	0.000	3289	9653	12942
80/04/21	1015		9.4	9.9	8.2	3.0	0	19.7	2.2	2210	97.2	0.000	2950	6864	9814
80/05/21	1025		9.6	9.7	7.9	4.0	0	23.5	2.7	5210	98.1	0.000	3090	4983	8073
80/06/23	1645		14.9	11.8	8.6	3.0	5	20.1	2.7	5110	130.4		3325	7119	10444
80/07/22	1600		18.1	10.6		2.0	0	25.1		5210	128.5		3889	6199	10088
80/08/29	1005		13.1	6.8		1.0	0	27.4	2.7	6210	75.9		4340	7126	11466
80/10/07	1615		12.3	11.0	8.2	1.0	32	27.0	1.8	1210	120.5	0.000	2767	11048	13815
80/11/20	1415		9.1	7.7	7.7	2.0	36	27.8		1210	79.3		4398	7128	11526
80/12/15	1225		6.5	8.8	7.5	3.0	9	21.0	1.8	1210	81.6		2491	4533	7024
81/03/13	1100		9.6	9.1	7.6		8	23.3	2.1	1210	91.9	0.000	12573	7265	19838

Table 8b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/28	1100		12.6	9.0	91.4	7.2	2.0	35	14.0	
74/06/13	1115		16.7	9.2	97.6	7.2	1.0	30	7.0	
74/08/12	1405		16.0			7.6	1.0	0	22.0	
74/10/17	1120		11.6	3.1	33.7	7.0	2.0	43	28.0	
74/11/13	1405		11.2	5.5	59.0	7.0	3.0	40	27.1	
74/12/19	1125		8.1	7.5	74.9		3.0	40	26.4	
NUMBER OF SAMPLES			6	5	5	5	6	6	6	0
MAXIMUM VALUE			16.70	9.20	97.60	7.40	3.00	43.00	28.00	
MINIMUM VALUE			8.10	3.10	33.70	7.00	1.00	0.00	7.00	
ARITHMETIC MEAN			12.70	6.66	71.32	7.20	2.00	31.33	20.75	
GEOMETRIC MEAN			12.35	6.38	66.78	7.20	1.87	8.44	18.73	
LOG/GEOMETRIC MEAN			2.51	1.85	4.20	1.97	0.60	2.13	2.93	
MEDIAN			12.10	7.50	74.90	7.20	2.00	37.50	24.20	
STANDARD DEV OF LOGS			0.26	0.45	0.43	0.03	0.50	3.64	0.55	
STANDARD DEVIATION			3.21	2.57	25.65	0.24	0.89	16.02	8.50	
VARIANCE			10.30	6.61	658.43	0.06	0.80	256.67	72.20	
COEFF OF VARIATION			25.28	37.49	36.25	3.40	44.72	51.13	40.95	
SUM OF VALUES			76.20	34.30	356.60	36.00	12.00	188.00	124.50	
MEAN +2 STD DEV			19.12	12.00	123.03	7.69	3.79	63.37	37.74	
MEAN -2 STD DEV			6.28	1.72	19.61	6.71	0.21	-0.71	3.76	
GEO MEAN +2 STD DEV			20.96	15.80	157.74	7.70	4.91	12328.65	55.92	
GEO MEAN -2 STD DEV			7.27	2.58	28.27	6.73	0.67	0.01	6.27	
SUM OF SQUARES			1019.26	261.75	28106.42	259.44	28.00	7174.00	2944.37	

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/03/20	1110		7.7	8.3	82.3	6.9	1.0	14	24.7	
75/04/14	1255		9.6	8.4	86.0	7.5	3.0	28	25.3	
75/05/13	0940		12.1	9.3	92.8	7.0	3.0	28	12.9	
75/06/11	1020		15.0	10.2	109.0	8.2	2.0	18	14.3	
75/07/24	1135		18.0	10.6	125.3	8.0	2.0	23	21.3	
75/08/13	1110		16.6	8.1	94.2	7.2	1.0	35	26.3	
75/09/18	1440		17.0	10.0	118.9		2.0	14	25.3	
75/10/16	1510		11.0	6.0	65.0	7.1	4.0	32	29.2	
75/11/20	1055		8.6	12.7	117.4	8.2	3.0		15.2	
75/12/17	1415		7.3	9.3	85.7	7.3	3.0	23	10.6	
NUMBER OF SAMPLES			10	10	10	9	10	9	10	0
MAXIMUM VALUE			18.00	12.70	125.30	8.20	4.00	35.00	29.20	
MINIMUM VALUE			7.50	6.00	65.00	6.90	1.00	14.00	12.90	
ARITHMETIC MEAN			12.25	9.29	97.86	7.51	2.40	23.89	21.31	
GEOMETRIC MEAN			11.62	9.13	96.09	7.50	2.19	22.76	20.48	
LOG/GEOMETRIC MEAN			2.45	2.21	4.57	2.01	0.79	3.12	3.02	
MEDIAN			11.55	9.30	94.50	7.50	2.50	23.00	23.30	
STANDARD DEV OF LOGS			0.34	0.20	0.20	0.07	0.47	0.34	0.30	
STANDARD DEVIATION			4.11	1.79	19.27	0.51	0.97	7.56	6.03	
VARIANCE			16.89	3.19	371.15	0.26	0.93	56.86	36.38	
COEFF OF VARIATION			33.55	19.22	19.69	6.80	40.25	31.57	28.30	
SUM OF VALUES			122.50	92.90	978.60	67.60	24.00	215.00	213.10	
MEAN +2 STD DEV			20.47	12.86	136.39	8.53	4.33	38.97	33.37	
MEAN -2 STD DEV			4.03	5.72	59.33	6.49	0.47	8.81	9.25	
GEO MEAN +2 STD DEV			23.16	13.61	144.55	8.58	5.65	44.76	37.54	
GEO MEAN -2 STD DEV			5.83	6.12	63.87	6.55	0.65	11.57	11.18	
SUM OF SQUARES			1652.67	891.73	99106.12	509.84	66.00	5591.00	4868.59	

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/01/22	1055		6.8	10.1	93.9	7.4	4.0	18	20.4	
76/02/19	1025		6.3	8.7	81.5	7.2	3.0	18	23.2	
76/03/18	1100		7.5	9.9	99.9	6.5	2.0	43	29.9	
76/04/22	1135		9.7	11.6	110.2	8.2	4.0	14	13.5	1.5
76/05/05	1325		10.6	9.3	89.9	8.4	5.0	14	13.0	1.2
76/06/08	1430		12.2	9.8	100.2	7.6	3.0	5	14.5	1.8
76/07/06	1400		15.3	11.4	131.3	7.9	1.0	9	22.7	
76/08/24	1420		12.5	6.7	71.9	7.4	1.0	9	23.1	2.0
76/09/16	1600		14.2	6.4	71.6	7.4	1.0	28	24.3	2.3
76/10/21	1500		10.7	3.8	40.4	7.0	4.0	36	27.6	1.4
76/11/23	1530		10.1	5.0	52.3	6.8	3.0	140	26.8	1.2
76/12/15	1343		9.6	4.7	48.9	6.2	5.0	8	27.7	
NUMBER OF SAMPLES			12	12	12	12	12	12	12	7
MAXIMUM VALUE			15.30	11.60	131.30	8.40	5.00	140.00	29.90	2.30
MINIMUM VALUE			6.30	3.80	40.40	6.20	1.00	5.00	13.00	1.20
ARITHMETIC MEAN			10.46	8.13	82.67	7.33	3.00	30.18	22.39	1.63
GEOMETRIC MEAN			10.11	7.46	78.29	7.31	2.58	18.74	21.67	1.58
LOG/GEOMETRIC MEAN			2.31	2.04	4.36	1.99	0.95	2.93	3.08	0.46
MEDIAN			10.35	9.00	85.70	7.40	3.00	16.00	23.15	1.50
STANDARD DEV OF LOGS			0.28	0.38	0.36	0.09	0.42	0.94	0.20	0.29
STANDARD DEVIATION			2.29	2.71	26.96	0.65	1.48	38.15	5.58	0.42
VARIANCE			7.78	7.36	726.80	0.43	2.18	1455.53	31.09	0.18
COEFF OF VARIATION			26.67	33.35	32.61	8.90	49.24	126.40	24.90	25.74
SUM OF VALUES			125.50	97.60	992.00	88.00	36.00	362.20	268.70	11.40
MEAN +2 STD DEV			16.04	13.56	136.58	8.66	5.95	106.49	33.54	2.47
MEAN -2 STD DEV			4.88	2.71	28.75	6.03	0.05	-46.12	11.24	0.79
GEO MEAN +2 STD DEV			17.61	16.28	159.61	8.74	4.98	123.52	37.83	2.62
GEO MEAN -2 STD DEV			5.80	3.60	38.40	6.10	0.74	2.84	12.41	0.96
SUM OF SQUARES			1398.11	874.74	90000.08	650.02	132.00	26943.24	6358.59	19.42

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
77/01/13	1335		6.6	5.6	57.9	6.7	6.0	99	29.9	1.5
77/02/25	1130		8.9	6.9	70.1	6.9	2.0	41	26.4	1.8
77/03/24	1010		7.5	6.0	59.7	6.9	1.0	41	28.8	1.6
77/04/27	1355		12.4	10.1		7.8	2.0	9		1.5
77/05/11	1125		11.0	7.3	75.6	7.4	3.0	54	22.6	0.9
77/06/13	1445		17.2	9.9	113.1	7.8	1.0	18	18.2	1.7
77/07/21	1120		13.8	5.4	61.5	7.0	6.0	90	28.4	1.2
77/08/18	1035		16.7	6.4	76.3	7.4	1.0	41	26.7	2.1
77/09/15	1115		12.2	6.3	69.7	6.4	2.0	110	28.8	2.1
77/10/12	1510		12.1	4.2	45.4	6.8	2.0	90	25.6	1.5
77/11/08	1450		10.3	6.1	64.5	7.0	3.0	5	27.8	1.2
77/12/20	1425		6.2	9.9	87.3	7.4	4.0	32	14.5	1.2
NUMBER OF SAMPLES			12	12	11	12	12	12	11	12
MAXIMUM VALUE			17.20	10.10	113.10	7.80	6.00	110.00	29.90	2.10
MINIMUM VALUE			6.20	4.20	45.40	6.40	1.00	5.00	14.50	0.90
ARITHMETIC MEAN			11.41	7.18	72.83	7.13	2.75	52.50	25.17	1.52
GEOMETRIC MEAN			10.94	6.94	71.80	7.11	2.29	37.80	24.66	1.48
LOG/GEOMETRIC MEAN			2.39	1.94	4.26	1.96	0.83	3.63	3.21	0.39
MEDIAN			11.55	6.65	70.10	7.00	2.00	41.00	26.70	1.50
STANDARD DEV OF LOGS			0.31	0.27	0.24	0.06	0.64	0.97	0.22	0.25
STANDARD DEVIATION			3.40	1.93	17.57	0.44	1.76	36.23	4.84	0.37
VARIANCE			11.58	3.74	308.83	0.19	3.11	1312.44	23.40	0.13
COEFF OF VARIATION			29.82	26.97	24.13	6.11	64.17	69.01	19.22	24.16
SUM OF VALUES			134.90	86.10	801.10	85.50	33.00	630.00	276.90	18.20
MEAN +2 STD DEV			18.21	11.04	107.97	8.00	6.28	124.96	34.85	2.25
MEAN -2 STD DEV			4.60	3.31	37.68	6.25	-0.78	-19.96	15.50	0.78
GEO MEAN +2 STD DEV			20.25	11.94	113.69	8.03	6.16	265.51	38.66	2.43
GEO MEAN -2 STD DEV			5.90	4.03	44.35	6.30	0.64	5.38	15.72	0.90
SUM OF SQUARES			1689.13	658.95	61430.21	611.27	125.00	47514.00	7204.31	29.08

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
78/01/12	1150		6.8	8.3	81.1	7.2	1.0	18	27.5	1.8
78/02/15	1230		7.4	8.5	85.9	7.1	2.0	23	30.4	2.1
78/03/31	1125		9.6	8.9	86.9	7.4	3.0	18	18.2	2.4
78/04/13	0920		9.2	8.2	82.6	7.3	4.0	32	24.2	1.2
78/05/03	1530		12.2	9.8	102.1	6.9	3.0	5	19.5	1.2
78/06/26	1040		15.9	9.2	104.4	7.8	1.0	5	21.2	2.5
78/07/28	1215		17.0	7.0	82.9	7.0	1.0	68	24.7	1.5
78/08/22	1300		13.2	6.0	63.3	6.6	10.0X	9	18.3	3.5
78/09/19	1145		13.4	6.7	70.2	7.8	2.0		16.4	2.7
78/10/13	1119		12.4	7.9	83.3	7.8	3.0	5	20.7	2.7
78/11/30	1445		9.0	6.9	70.9	7.6	4.0	9	27.8	1.5
78/12/19	1040		7.9	7.5	76.7	7.9	2.0	0	30.5	3.5
NUMBER OF SAMPLES			12	12	12	12	12	11	12	12
MAXIMUM VALUE			17.00	9.80	104.40	7.98	10.00	68.00	30.50	3.50
MINIMUM VALUE			6.80	6.01	63.30	6.60	1.00	0.00	16.40	1.25
ARITHMETIC MEAN			11.17	7.91	82.53	7.37	3.00	17.45	23.28	2.23
GEOMETRIC MEAN			10.71	7.83	81.74	7.36	2.39	6.46	22.81	2.10
LOG/GEOMETRIC MEAN			2.37	2.06	4.40	2.00	0.87	1.87	3.13	0.74
MEDIAN			10.90	8.05	82.75	7.35	2.50	9.00	22.70	2.25
STANDARD DEV OF LOGS			0.30	0.14	0.14	0.06	0.68	2.52	0.21	0.37
STANDARD DEVIATION			3.35	1.12	12.01	0.42	2.45	19.26	4.93	0.80
VARIANCE			11.19	1.26	144.14	0.18	6.00	371.07	24.29	0.64
COEFF OF VARIATION			29.96	14.21	14.55	5.71	81.65	110.36	21.17	35.86
SUM OF VALUES			134.00	94.91	990.30	88.40	36.00	192.00	279.40	26.80
MEAN +2 STD DEV			17.86	10.16	106.54	8.21	7.90	55.98	33.14	3.84
MEAN -2 STD DEV			4.48	5.66	58.51	6.53	-1.90	-21.07	13.43	0.63
GEO MEAN +2 STD DEV			19.60	10.46	109.09	8.25	9.33	1001.13	34.91	4.40
GEO MEAN -2 STD DEV			5.86	5.87	61.25	6.55	0.61	0.04	14.90	1.00
SUM OF SQUARES			1619.47	764.55	83310.09	653.16	174.00	7062.00	6772.50	66.91

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBRETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
79/01/31	1040		6.2	7.7	75.1	7.6	3.0	58	29.2	4.5
79/02/26	1550		7.0	8.6	84.0	7.5	3.0	45	26.8	2.0
79/03/24	1500		8.0	8.5	84.7	7.5		18	25.8	3.5
79/04/09	1515		9.9	7.7	80.9	7.0	1.0	50	28.2	2.0
79/05/30	1105		14.6	9.5	105.0	7.9	13.0	2	19.3	3.5
79/06/19	1445		12.8	7.2	78.5	7.3	2.0	23	24.7	2.1
79/07/17	1450		18.8			7.2	1.0	14	23.5	3.5
79/08/28	1120		15.6	5.3	61.9	7.3	1.0	14	26.8	2.1
79/09/18	1735		15.6	10.1	117.6	8.0	2.0	9	24.3	1.5
79/10/16	1550		12.2	4.5	49.6	6.7	2.0	68	28.3	1.6
79/11/15	1450		8.7			7.0	2.0	77	27.1	1.8
79/12/12	1425		6.4	9.9	87.9	7.4	3.0	14	14.9	1.0
NUMBER OF SAMPLES			12	10	10	12	11	12	12	12
MAXIMUM VALUE			18.80	10.10	117.60	8.00	13.00	77.00	29.20	4.50
MINIMUM VALUE			6.20	4.50	49.60	6.70	1.00	2.30	14.90	1.00
ARITHMETIC MEAN			11.33	7.91	82.52	7.34	3.00	28.28	25.08	2.26
GEOMETRIC MEAN			10.61	7.68	80.42	7.33	2.19	18.27	24.69	2.10
LOG/GEOMETRIC MEAN			2.36	2.04	4.39	1.99	0.78	2.91	3.21	0.74
MEDIAN			11.05	8.10	82.45	7.30	2.00	16.00	26.55	2.05
STANDARD DEV OF LOGS			0.38	0.26	0.24	0.05	0.73	1.06	0.19	0.39
STANDARD DEVIATION			4.20	1.85	19.31	0.37	3.41	25.29	4.14	0.94
VARIANCE			17.64	3.44	372.73	0.14	11.60	639.69	17.14	0.88
COEFF OF VARIATION			37.06	23.44	23.40	5.08	113.53	89.45	16.52	41.52
SUM OF VALUES			136.00	79.10	825.20	88.10	33.00	339.30	300.90	27.10
MEAN +2 STD DEV			19.73	11.62	121.13	8.09	9.81	78.66	33.36	4.13
MEAN -2 STD DEV			2.93	4.20	43.91	6.60	-3.81	-22.31	16.79	0.38
GEO MEAN +2 STD DEV			22.81	13.05	130.98	8.11	9.46	152.28	36.34	4.58
GEO MEAN -2 STD DEV			4.94	4.52	49.37	6.63	0.51	2.19	16.78	0.97
SUM OF SQUARES			1733.34	626.61	71490.10	648.33	213.00	18630.29	7733.83	78.87

Table 8b, continued.

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
80/01/25	1105		5.4	9.6	85.8	7.9	3.0	5K	19.4	1.4
80/02/22	1110		7.3	8.1	77.9	7.1	3.0	5	23.6	2.4
80/03/17	1005		10.8	8.1	84.2	7.4	1.0	5	23.8	2.4
80/04/21	1015		9.4	9.9	97.2	8.2	3.0	0	19.7	2.2
80/05/21	1025		9.6	9.7	98.1	7.9	4.0	0	23.5	2.7
80/06/23	1645		14.9	11.8	130.4	8.6	3.0	5	20.1	2.7
80/07/22	1600		18.1	10.6	128.5		2.0	0	25.1	
80/08/29	1005		13.1	6.8	75.9		1.0	0	27.4	2.7
80/10/07	1615		12.3	11.0	120.5	8.2	1.0	32	27.0	1.8
80/11/20	1415		9.1	7.7	79.3	7.7	2.0	36	27.8	
80/12/15	1225		6.5	8.8	81.6	7.5	3.0	9	21.0	1.8
NUMBER OF SAMPLES			11	11	11	9	11	11	11	9
MAXIMUM VALUE			18.10	11.80	130.40	8.60	4.00	36.00	27.80	2.70
MINIMUM VALUE			5.40	6.80	75.90	7.10	1.00	0.00	19.40	1.40
ARITHMETIC MEAN			10.59	9.28	96.31	7.83	2.36	8.82	23.49	2.23
GEOMETRIC MEAN			9.99	9.17	94.43	7.82	2.12	0.61	23.30	2.18
LOG/GEOMETRIC MEAN			2.30	2.22	4.55	2.06	0.75	-0.50	3.15	0.78
MEDIAN			9.60	9.60	85.80	7.90	3.00	5.00	23.60	2.40
STANDARD DEV OF LOGS			0.36	0.17	0.20	0.06	0.52	3.87	0.13	0.23
STANDARD DEVIATION			3.79	1.53	20.75	0.46	1.03	12.83	3.13	0.47
VARIANCE			14.33	2.34	430.58	0.22	1.05	164.56	9.77	0.22
COEFF OF VARIATION			35.75	16.47	21.55	5.92	43.45	145.47	13.30	21.12
SUM OF VALUES			116.50	102.10	1059.40	70.50	26.00	97.00	258.40	20.10
MEAN +2 STD DEV			18.16	12.34	137.81	8.76	4.42	34.47	29.74	3.18
MEAN -2 STD DEV			3.02	6.22	54.81	6.91	0.31	-16.84	17.24	1.29
GEO MEAN +2 STD DEV			20.61	12.82	142.25	8.81	6.00	1387.60	30.47	3.46
GEO MEAN -2 STD DEV			4.84	6.55	62.68	6.95	0.75	0.00	17.82	1.38
SUM OF SQUARES			1377.19	971.05	106335.66	553.97	72.00	2501.00	6167.72	46.67

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
81/03/13	1100		9.6	9.1	91.9	7.6		8	23.3	2.1
NUMBER OF SAMPLES			1	1	1	1	0	1	1	1
MAXIMUM VALUE			9.60	9.10	91.90	7.60		8.00	23.30	2.10
MINIMUM VALUE			9.60	9.10	91.90	7.60		8.00	23.30	2.10
ARITHMETIC MEAN										
GEOMETRIC MEAN										
LOG/GEOMETRIC MEAN										
MEDIAN										
STANDARD DEV OF LOGS										
STANDARD DEVIATION										
VARIANCE										
COEFF OF VARIATION										
SUM OF VALUES										
MEAN +2 STD DEV										
MEAN -2 STD DEV										
GEO MEAN +2 STD DEV										
GEO MEAN -2 STD DEV										
SUM OF SQUARES										

Table 8c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/01/22	1055		6.8	10.1	93.9	7.4	4.0	18	28.4	
77/01/13	1335		8.6	5.6	57.9	6.7	6.0	99	29.9	1.5
78/01/12	1150		6.8	6.3	61.1	7.2	1.0	18	27.5	1.6
79/01/31	1040		6.2	7.7	75.1	7.6	3.0	5X	29.2	4.5
80/01/25	1105		5.4	9.6	85.8	7.9	3.0	5X	19.4	1.4
NUMBER OF SAMPLES			5	5	5	5	5	5	5	4
MAXIMUM VALUE			8.60	10.10	93.90	7.90	6.00	99.00	29.90	4.50
MINIMUM VALUE			5.40	5.60	57.90	6.70	1.00	5.00	19.40	1.40
ARITHMETIC MEAN			6.76	8.26	78.26	7.36	3.10	29.00	26.26	2.20
GEOMETRIC MEAN			6.64	8.09	77.75	7.35	2.93	15.16	24.86	2.03
LOG/GEOMETRIC MEAN			1.90	2.09	4.35	1.99	1.08	2.72	3.21	0.71
MEDIAN			6.80	8.30	81.10	7.40	3.00	18.00	27.50	1.65
STANDARD DEV OF LOGS			0.17	0.23	0.18	0.06	0.66	1.23	0.21	0.54
STANDARD DEVIATION			1.18	1.77	14.54	0.45	1.82	39.67	5.00	1.48
VARIANCE			1.39	3.14	183.20	0.20	3.30	1573.50	25.01	2.18
COEFF OF VARIATION			17.43	21.46	17.19	6.12	53.63	136.78	19.78	64.19
SUM OF VALUES			33.80	41.30	391.30	36.80	17.00	145.00	126.40	9.20
MEAN +2 STD DEV			9.12	11.81	105.83	8.26	7.03	108.33	35.28	5.25
MEAN -2 STD DEV			4.40	4.71	51.69	6.46	-0.23	-50.33	15.28	-0.65
GEO MEAN +2 STD DEV			9.38	12.89	112.30	8.32	11.07	177.11	37.59	5.99
GEO MEAN -2 STD DEV			4.76	5.08	53.83	6.49	0.78	1.30	16.45	0.69
SUM OF SQUARES			234.04	353.71	31748.48	271.66	71.00	10499.00	3295.42	27.78

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/02/19	1025		6.3	8.7	81.5	7.2	3.0	18	23.2	
77/02/25	1130		8.9	6.9	70.1	6.9	2.0	41	26.4	1.8
78/02/15	1230		7.4	8.5	85.9	7.1	2.0	23	30.4	2.1
79/02/26	1550		7.0	8.6	84.0	7.5	3.0	45	28.8	2.0
80/02/22	1110		7.3	8.1	77.9	7.1	3.0	5	23.6	2.4
NUMBER OF SAMPLES			5	5	5	5	5	5	5	4
MAXIMUM VALUE			8.90	8.70	85.90	7.50	3.00	45.00	30.40	2.40
MINIMUM VALUE			6.30	6.90	70.10	6.90	2.00	5.00	23.20	1.80
ARITHMETIC MEAN			7.38	8.16	79.88	7.16	2.60	26.40	26.08	2.08
GEOMETRIC MEAN			7.33	8.13	79.68	7.16	2.55	20.72	25.95	2.06
LOG/GEOMETRIC MEAN			1.99	2.10	4.38	1.97	0.94	3.03	3.26	0.72
MEDIAN			7.30	8.50	81.50	7.10	3.00	23.00	26.40	2.05
STANDARD DEV OF LOGS			0.13	0.10	0.08	0.03	0.22	0.88	0.11	0.12
STANDARD DEVIATION			0.95	0.74	6.23	0.22	0.55	16.58	2.90	0.25
VARIANCE			0.91	0.55	38.85	0.05	0.30	274.80	8.43	0.06
COEFF OF VARIATION			12.90	9.07	7.80	3.06	21.07	62.79	11.13	12.05
SUM OF VALUES			36.90	40.80	399.40	35.80	13.00	132.00	130.40	8.30
MEAN +2 STD DEV			9.28	9.64	92.35	7.60	3.70	59.55	31.89	2.58
MEAN -2 STD DEV			5.48	6.68	67.41	6.72	1.50	-6.75	20.27	1.58
GEO MEAN +2 STD DEV			9.42	9.85	93.58	7.61	3.98	121.17	32.31	2.62
GEO MEAN -2 STD DEV			5.71	6.71	67.84	6.74	1.64	3.54	20.85	1.63
SUM OF SQUARES			275.95	335.12	32059.48	256.52	35.00	4584.00	3434.56	17.41

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/03/20	1110		7.7	8.3	82.3	6.9	1.0	14	26.7	
76/03/18	1100		7.5	9.9	99.9	6.5	2.0	63	29.9	
77/03/24	1010		7.5	8.0	79.7	6.9	1.0	41	28.0	1.5
78/03/31	1125		9.6	8.9	86.9	7.4	3.0	18	18.2	2.4
79/03/26	1500		8.2	8.5	84.7	7.2		18	25.8	2.5
80/03/17	1005		10.8	8.1	84.2	7.4	1.0	5	23.8	2.4
81/03/13	1100		9.6	9.1	91.9	7.6		8	23.3	2.1
NUMBER OF SAMPLES			7	7	7	7	5	7	7	5
MAXIMUM VALUE			10.40	9.98	99.90	7.60	3.00	63.00	29.90	2.50
MINIMUM VALUE			7.50	8.00	79.70	6.50	1.00	5.00	18.20	1.50
ARITHMETIC MEAN			8.70	8.69	87.09	7.13	1.60	23.86	25.10	2.18
GEOMETRIC MEAN			8.62	8.66	86.87	7.12	1.43	17.33	24.83	2.14
LOG/GEOMETRIC MEAN			2.15	2.16	4.46	1.96	0.36	2.85	3.21	0.76
MEDIAN			8.20	8.50	84.70	7.20	1.00	18.00	25.40	2.40
STANDARD DEV OF LOGS			0.15	0.08	0.08	0.05	0.51	0.38	0.16	0.21
STANDARD DEVIATION			1.30	0.67	6.82	0.38	0.89	20.81	3.81	0.41
VARIANCE			1.69	0.45	46.48	0.15	0.80	433.14	14.51	0.17
COEFF OF VARIATION			14.96	7.71	7.83	5.35	55.90	87.24	15.17	18.75
SUM OF VALUES			60.90	60.80	609.60	49.90	8.00	167.00	175.70	10.90
MEAN +2 STD DEV			11.30	10.02	100.72	7.89	3.39	65.48	32.72	3.08
MEAN -2 STD DEV			6.10	7.35	73.45	6.37	-0.19	-17.77	17.48	1.36
GEO MEAN +2 STD DEV			11.54	10.07	101.13	7.93	1.96	99.79	34.35	3.27
GEO MEAN -2 STD DEV			6.44	7.45	74.62	6.39	0.51	3.01	17.95	1.41
SUM OF SQUARES			539.99	530.78	53366.34	356.59	16.00	6583.00	4497.11	24.43

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/04/14	1255		9.6	8.4	86.8	7.5	3.0	28	25.3	
76/04/22	1136		9.7	11.6	116.3	8.2	4.0	14	13.5	1.5
77/04/27	1355		12.4	10.1		7.8	2.0	9		1.5
78/04/13	0920		9.2	8.2	82.6	7.3	4.0	32	24.2	1.2
79/04/09	1515		9.9	7.7	80.9	7.0	1.0	50	26.2	2.0
80/04/21	1015		9.4	9.9	97.2	8.2	3.0	0	19.7	2.2
NUMBER OF SAMPLES			6	6	5	6	6	6	5	5
MAXIMUM VALUE			12.40	11.60	110.20	8.20	4.00	50.00	28.20	2.20
MINIMUM VALUE			9.20	7.70	80.90	7.00	1.00	0.00	13.50	1.25
ARITHMETIC MEAN			10.03	9.32	91.38	7.67	2.83	22.17	22.18	1.69
GEOMETRIC MEAN			9.98	9.22	90.75	7.65	2.57	5.52	21.50	1.65
LOG/GEOMETRIC MEAN			2.30	2.22	4.51	2.04	0.94	1.71	3.07	0.50
MEDIAN			9.65	9.15	86.00	7.65	3.00	21.00	24.20	1.50
STANDARD DEV OF LOGS			0.11	0.16	0.13	0.06	0.53	3.49	0.29	0.23
STANDARD DEVIATION			1.18	1.47	12.29	0.49	1.17	18.09	5.73	0.39
VARIANCE			1.40	2.17	150.98	0.24	1.37	327.37	32.89	0.16
COEFF OF VARIATION			11.80	15.82	13.45	6.37	41.26	81.62	25.86	23.33
SUM OF VALUES			60.20	55.90	456.90	46.00	17.00	133.00	110.90	8.45
MEAN +2 STD DEV			12.40	12.27	115.95	8.64	5.17	58.35	33.65	2.48
MEAN -2 STD DEV			7.66	6.37	66.81	6.69	0.50	-14.02	10.71	0.90
GEO MEAN +2 STD DEV			12.42	12.59	117.65	8.78	7.39	5897.95	38.44	2.42
GEO MEAN -2 STD DEV			8.02	6.76	78.01	6.73	0.89	0.01	12.02	1.04
SUM OF SQUARES			611.02	531.67	42355.45	353.86	55.00	4585.00	2591.31	14.90

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/28	1100		12.6	9.8	91.4	7.2	2.0	35	14.0	
75/05/13	0940		12.1	9.3	92.8	7.0	3.0	28	12.9	
76/05/05	1325		10.6	9.1	89.9	6.4	5.0	14	13.0	1.2
77/05/11	1125		11.0	7.3	75.6	7.4	3.0	56	22.6	0.9
78/05/03	1530		12.2	9.8	102.1	6.7	3.0	5	17.5	1.2
79/05/30	1105		14.6	9.5	105.0	7.9	13.0	2	19.3	2.5
80/05/21	1025		9.6	9.7	98.1	7.9	4.0	0	23.5	2.7
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			14.60	9.80	105.00	8.40	13.00	54.00	23.50	2.70
MINIMUM VALUE			9.60	7.30	75.60	6.90	2.00	0.00	12.90	0.90
ARITHMETIC MEAN			11.81	9.13	93.56	7.53	4.71	19.76	17.85	1.71
GEOMETRIC MEAN			11.72	9.09	93.10	7.51	3.91	4.58	17.33	1.56
LOG/GEOMETRIC MEAN			2.46	2.21	4.53	2.02	1.36	1.52	2.85	0.44
MEDIAN			12.10	9.30	92.80	7.40	3.00	14.00	19.30	1.25
STANDARD DEV OF LOGS			0.14	0.10	0.11	0.07	0.60	3.21	0.26	0.49
STANDARD DEVIATION			1.61	0.85	9.71	0.55	1.77	20.08	4.51	0.83
VARIANCE			2.61	0.72	94.27	0.31	14.24	403.15	20.36	0.68
COEFF OF VARIATION			13.67	9.31	10.38	7.36	80.04	101.63	25.31	48.33
SUM OF VALUES			82.70	63.90	654.90	52.70	33.00	138.30	124.80	8.55
MEAN +2 STD DEV			15.94	10.83	112.98	8.63	12.26	59.91	24.85	3.36
MEAN -2 STD DEV			8.58	7.43	74.14	6.42	-2.83	-20.40	8.80	0.06
GEO MEAN +2 STD DEV			15.37	11.12	115.67	8.69	13.01	2806.72	29.12	4.11
GEO MEAN -2 STD DEV			8.94	7.43	74.94	6.49	1.16	0.01	10.31	0.59
SUM OF SQUARES			492.69	587.65	61836.19	398.59	241.00	5151.29	2347.16	17.35

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/06/13	1115		16.7	9.2	97.6	7.2	1.0	10	7.0	
75/06/11	1020		15.0	10.2	109.0	8.2	2.0	18	14.3	
76/06/08	1430		12.2	9.8	100.2	7.6	3.0	5	16.5	1.8
77/06/13	1645		17.2	9.9	113.1	7.8	1.0	18	18.2	1.7
78/06/26	1040		15.9	9.2	104.4	7.8	1.0	5	21.2	2.5
79/06/19	1445		12.8	7.2	78.5	7.3	2.0	23	24.7	2.1
80/06/23	1645		14.9	11.8	130.4	8.6	3.0	5	20.1	2.7
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			17.20	11.80	130.40	8.60	3.00	30.00	24.70	2.70
MINIMUM VALUE			12.20	7.28	78.50	7.20	1.00	5.00	7.00	1.70
ARITHMETIC MEAN			14.96	9.63	104.74	7.79	1.86	14.66	17.43	2.16
GEOMETRIC MEAN			14.85	9.54	103.69	7.77	1.67	11.58	16.38	2.13
LOG/GEOMETRIC MEAN			2.70	2.26	4.64	2.05	0.51	2.45	2.80	0.75
MEDIAN			15.00	9.80	104.40	7.80	2.00	18.00	18.20	2.10
STANDARD DEV OF LOGS			0.13	0.15	0.16	0.06	0.51	0.80	0.41	0.20
STANDARD DEVIATION			1.88	1.36	15.85	0.49	0.90	10.06	5.69	0.43
VARIANCE			3.54	1.84	251.12	0.24	0.81	101.14	32.37	0.19
COEFF OF VARIATION			12.57	14.08	15.13	6.31	48.45	67.69	32.65	20.07
SUM OF VALUES			104.70	67.38	733.20	54.50	13.00	104.00	122.00	10.80
MEAN +2 STD DEV			18.72	12.34	136.44	8.77	3.66	34.97	28.81	3.03
MEAN -2 STD DEV			11.20	6.91	73.05	6.80	0.06	-5.26	6.05	1.29
GEO MEAN +2 STD DEV			19.25	12.77	141.48	8.81	4.60	57.87	37.51	3.18
GEO MEAN -2 STD DEV			11.46	7.13	75.99	6.86	0.61	2.32	7.15	1.42
SUM OF SQUARES			1587.23	659.61	78304.18	425.77	29.00	2152.00	2320.52	24.08

Table 8c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI ug/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/07/24	1135		18.0	10.6	125.3	8.0	2.0	23	21.3	
76/07/20	1400		15.1	11.6	131.3	7.9	1.0	9	22.7	
77/07/21	1120		13.8	5.4	61.5	7.0	6.0	90	28.4	1.2
78/07/28	1215		17.0	7.0	82.9	7.0	1.0	68	24.7	1.5
79/07/17	1450		18.8			7.2	1.0	14	23.5	3.5
80/07/22	1600		18.1	10.6	128.5		2.0	0	25.1	
NUMBER OF SAMPLES			6	5	5	5	6	6	6	3
MAXIMUM VALUE			18.60	11.60	131.30	8.00	6.00	90.00	28.40	3.50
MINIMUM VALUE			13.50	5.40	61.50	7.00	1.00	0.00	21.30	1.20
ARITHMETIC MEAN			16.83	9.04	105.98	7.42	2.17	34.00	24.28	2.07
GEOMETRIC MEAN			16.74	8.68	101.51	7.41	1.70	6.68	24.18	1.65
LOG/GEOMETRIC MEAN			2.82	2.16	4.62	2.00	0.53	1.90	3.19	0.61
MEDIAN			17.50	10.60	125.30	7.20	1.50	18.50	24.10	1.50
STANDARD DEV OF LOGS			0.12	0.33	0.34	0.07	0.71	3.64	0.10	0.56
STANDARD DEVIATION			1.92	2.68	31.75	0.49	1.94	36.32	2.44	1.25
VARIANCE			3.68	7.21	1008.16	0.24	3.77	1318.80	5.96	1.56
COEFF OF VARIATION			11.40	29.78	29.98	6.63	89.57	106.61	10.06	60.50
SUM OF VALUES			101.00	45.20	529.50	37.10	13.00	204.00	145.70	6.20
MEAN +2 STD DEV			20.67	14.41	169.40	8.40	6.05	106.63	29.17	4.57
MEAN -2 STD DEV			13.00	3.67	42.40	6.44	-1.71	-38.63	19.40	-0.43
GEO MEAN +2 STD DEV			21.22	16.79	199.76	8.45	6.96	9631.41	29.46	5.21
GEO MEAN -2 STD DEV			13.20	4.49	51.58	6.49	0.61	0.00	19.86	0.60
SUM OF SQUARES			1718.58	437.46	40106.69	276.25	47.00	13530.00	3567.89	15.94

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI ug/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/08/12	1605		16.0			7.6	1.0	0	22.0	
75/08/13	1110		16.6	8.1	96.2	7.2	1.0	35	26.3	
76/08/24	1420		12.5	6.7	71.9	7.4	1.0	9	23.1	2.0
77/08/18	1035		16.7	6.4	76.3	7.4	1.0	41	26.7	2.1
78/08/22	1300		13.2	6.0	63.3	6.6	10.00	9	18.3	3.5
79/08/28	1120		15.6	5.3	61.9	7.3	1.0	14	26.8	2.1
80/08/29	1005		13.1	6.8	75.9		1.0	0	27.4	2.7
NUMBER OF SAMPLES			7	6	6	6	7	7	7	5
MAXIMUM VALUE			16.70	8.10	96.20	7.60	10.00	41.00	27.40	3.50
MINIMUM VALUE			12.50	5.32	61.90	6.60	1.00	0.00	18.30	2.00
ARITHMETIC MEAN			14.81	6.56	74.25	7.25	2.29	15.43	24.37	2.46
GEOMETRIC MEAN			14.72	6.50	73.44	7.24	1.39	1.70	24.15	2.42
LOG/GEOMETRIC MEAN			2.69	1.87	4.30	1.98	0.33	0.53	3.18	0.88
MEDIAN			15.00	6.55	73.90	7.35	1.00	9.00	26.30	2.10
STANDARD DEV OF LOGS			0.12	0.14	0.16	0.05	0.87	4.03	0.15	0.24
STANDARD DEVIATION			1.81	0.93	12.38	0.34	3.40	16.32	3.37	0.83
VARIANCE			3.28	0.86	153.33	0.12	11.57	266.29	11.30	0.40
COEFF OF VARIATION			12.22	14.17	16.66	4.76	148.82	105.77	13.85	25.57
SUM OF VALUES			103.70	39.33	445.50	43.50	16.00	108.00	170.60	12.40
MEAN +2 STD DEV			18.44	8.41	99.02	7.96	9.09	48.07	31.12	3.75
MEAN -2 STD DEV			11.19	4.70	49.48	6.54	-4.52	-17.21	17.62	1.21
GEO MEAN +2 STD DEV			18.88	8.68	101.04	7.99	7.92	5334.79	32.49	3.89
GEO MEAN -2 STD DEV			11.46	4.91	53.39	6.57	0.24	0.00	17.96	1.51
SUM OF SQUARES			1555.91	262.12	33845.05	315.97	106.00	3264.00	4226.08	32.36

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI ug/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/09/18	1440		17.0	10.0	118.9		2.0	14	25.3	
76/09/16	1600		14.2	6.4	71.6	7.4	1.0	28	24.3	2.3
77/09/15	1115		12.2	6.3	69.7	6.4	2.0	110	28.8	2.1
78/09/19	1145		13.4	6.7	70.2	7.8	2.0		16.4	2.7
79/09/18	1735		15.6	10.1	117.6	8.0	2.0	9	26.3	1.5
NUMBER OF SAMPLES			5	5	5	4	5	4	5	4
MAXIMUM VALUE			17.00	10.10	118.90	8.00	2.00	110.00	28.80	2.75
MINIMUM VALUE			12.20	6.30	69.70	6.40	1.00	9.00	16.40	1.50
ARITHMETIC MEAN			14.48	7.90	89.60	7.40	1.80	40.25	24.22	2.16
GEOMETRIC MEAN			14.38	7.71	86.70	7.37	1.74	24.96	23.80	2.11
LOG/GEOMETRIC MEAN			2.67	2.04	4.46	2.00	0.55	3.22	3.17	0.75
MEDIAN			14.20	6.70	71.60	7.60	2.00	21.00	25.30	2.20
STANDARD DEV OF LOGS			0.13	0.24	0.28	0.10	0.31	1.09	0.22	0.25
STANDARD DEVIATION			1.87	1.97	24.17	0.71	0.45	47.19	4.68	0.52
VARIANCE			3.51	3.88	684.77	0.51	0.20	2226.92	21.91	0.27
COEFF OF VARIATION			12.94	24.92	29.20	9.62	24.85	117.24	19.32	23.98
SUM OF VALUES			72.40	39.50	448.00	29.60	9.00	161.00	121.10	8.65
MEAN +2 STD DEV			18.23	11.84	141.93	8.82	2.69	134.63	33.58	3.20
MEAN -2 STD DEV			10.73	3.96	37.27	5.98	0.91	-54.13	14.86	1.13
GEO MEAN +2 STD DEV			18.63	12.53	152.85	9.09	3.24	222.40	36.77	3.51
GEO MEAN -2 STD DEV			11.11	4.35	49.19	6.04	0.94	2.80	15.41	1.27
SUM OF SQUARES			1062.40	327.55	42879.66	220.56	17.00	13161.00	3029.67	19.51

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI ug/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/10/17	1120		11.6	3.1	33.2	7.4	2.0	43	26.0	
75/10/16	1510		11.0	6.0	65.0	7.1	4.0	32	29.2	
76/10/21	1500		10.7	3.8	40.4	7.0	4.0	36	27.6	1.4
77/10/12	1510		12.1	4.2	45.4	6.8	2.0	98	25.6	1.5
78/10/13	1119		12.4	7.9	83.3	7.8	3.0	5	20.7	2.7
79/10/16	1550		12.2	4.5	49.6	6.7	2.0	68	28.3	1.6
80/10/07	1615		12.3	11.0	120.5	8.2	1.0	32	27.0	1.8
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			12.40	11.00	120.50	8.20	4.00	98.00	29.20	2.75
MINIMUM VALUE			10.70	3.10	33.20	6.70	1.00	5.00	20.70	1.40
ARITHMETIC MEAN			11.76	5.79	62.56	7.23	2.57	43.71	26.63	1.81
GEOMETRIC MEAN			11.74	5.29	57.19	7.21	2.36	33.62	26.48	1.75
LOG/GEOMETRIC MEAN			2.46	1.67	4.05	1.98	0.85	3.51	3.28	0.56
MEDIAN			12.10	4.50	49.60	7.00	2.00	36.00	27.60	1.60
STANDARD DEV OF LOGS			0.06	0.44	0.44	0.07	0.49	0.93	0.12	0.27
STANDARD DEVIATION			0.68	2.80	30.49	0.56	1.13	27.58	2.85	0.55
VARIANCE			0.46	7.84	929.92	0.31	1.29	760.90	8.10	0.30
COEFF OF VARIATION			5.74	48.39	48.75	7.69	44.10	63.10	10.69	30.16
SUM OF VALUES			82.30	40.50	437.90	50.60	18.00	306.00	186.40	9.05
MEAN +2 STD DEV			13.11	11.39	123.55	8.34	4.84	98.86	32.32	2.90
MEAN -2 STD DEV			10.41	0.19	1.57	6.12	0.30	-11.45	20.94	0.72
GEO MEAN +2 STD DEV			13.20	12.88	139.22	8.37	6.22	215.09	33.41	3.00
GEO MEAN -2 STD DEV			10.44	2.17	23.49	6.21	0.86	5.25	20.99	1.03
SUM OF SQUARES			970.35	281.35	32973.31	367.62	54.00	17942.00	5012.14	17.57

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI ug/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/11/13	1405		11.2	5.5	59.6	7.0	3.0	40	27.1	
75/11/20	1055		8.0	12.7	117.4	8.2	3.0		15.2	
76/11/23	1530		10.1	5.0	52.3	6.8	3.0	140	26.8	1.2
77/11/08	1450		10.3	6.1	64.5	7.0	3.0	5	27.8	1.2
78/11/30	1445		9.0	6.9	70.9	7.6	4.0	9	27.8	1.5
79/11/15	1450		8.7			7.0	2.0	77	27.1	1.8
80/11/20	1415		9.1	7.7	79.3	7.7	2.0	36	27.8	
NUMBER OF SAMPLES			7	6	6	7	7	6	7	4
MAXIMUM VALUE			11.20	12.70	117.40	8.20	4.00	140.00	27.80	1.80
MINIMUM VALUE			8.00	5.00	52.30	6.80	2.00	5.00	15.20	1.20
ARITHMETIC MEAN			9.49	7.32	73.90	7.33	2.86	51.17	25.66	1.43
GEOMETRIC MEAN			9.43	6.96	71.30	7.31	2.78	29.79	25.19	1.40
LOG/GEOMETRIC MEAN			2.24	1.94	4.27	1.99	1.02	3.29	3.23	0.34
MEDIAN			9.10	6.50	67.70	7.00	3.00	38.00	27.10	1.35
STANDARD DEV OF LOGS			0.11	0.33	0.28	0.07	0.25	1.27	0.22	0.20
STANDARD DEVIATION			1.09	2.81	23.27	0.51	0.69	50.64	4.63	0.29
VARIANCE			1.20	7.89	541.47	0.26	0.48	2564.57	21.43	0.08
COEFF OF VARIATION			11.54	38.39	31.49	6.99	24.15	98.97	18.04	20.16
SUM OF VALUES			66.40	43.90	443.40	51.30	20.00	307.00	179.60	5.70
MEAN +2 STD DEV			11.67	12.93	120.44	8.35	4.24	152.45	34.92	2.00
MEAN -2 STD DEV			7.30	1.70	27.36	6.30	1.48	-50.12	16.40	0.85
GEO MEAN +2 STD DEV			11.67	13.54	125.71	8.39	4.58	376.07	39.36	2.08
GEO MEAN -2 STD DEV			7.56	3.57	40.44	6.38	1.69	2.36	16.12	0.95
SUM OF SQUARES			637.04	360.65	35474.60	377.53	60.00	28531.00	4736.62	8.37

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI ug/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/12/19	1125		8.1	7.5	74.9		3.0	40	26.4	
75/12/17	1415		7.5	9.3	85.7	7.5	3.0	23	16.6	
76/12/15	1343		9.6	4.7	48.9	6.2	5.0	4	27.7	
77/12/20	1425		6.2	9.9	87.3	7.4	4.0	12	14.5	1.2
78/12/19	1040		7.9	7.5	76.7	7.9	2.0	0	30.5	3.5
79/12/12	1425		6.4	9.9	87.9	7.4	3.0	14	14.9	1.0
80/12/15	1225		6.5	8.8	81.6	7.5	3.0	9	21.0	1.8
NUMBER OF SAMPLES			7	7	7	6	7	7	7	4
MAXIMUM VALUE			9.60	9.90	87.90	7.90	5.00	40.00	30.50	3.50
MINIMUM VALUE			6.20	4.70	48.90	6.20	2.00	0.00	14.50	1.00
ARITHMETIC MEAN			7.46	8.23	77.57	7.32	3.29	18.03	21.66	1.88
GEOMETRIC MEAN			7.38	8.01	76.51	7.30	3.17	5.50	20.79	1.38
LOG/GEOMETRIC MEAN			2.00	2.08	4.33	1.99	1.15	1.70	3.03	0.51
MEDIAN			7.50	8.80	81.60	7.45	3.00	14.00	21.00	1.50
STANDARD DEV OF LOGS			0.16	0.26	0.21	0.06	0.26	1.15	0.11	0.56
STANDARD DEVIATION			1.21	1.65	13.62	0.58	0.95	14.27	6.56	1.14
VARIANCE			1.47	3.43	185.60	0.33	0.90	203.67	43.35	1.29
COEFF OF VARIATION			16.26	22.50	17.56	7.89	28.95	79.16	30.40	60.56
SUM OF VALUES			52.20	57.60	543.00	43.90	23.00	126.20	151.60	7.50
MEAN +2 STD DEV			9.88	11.93	104.82	8.47	5.19	46.57	34.83	4.15
MEAN -2 STD DEV			5.03	4.53	50.32	6.16	1.38	-10.51	8.49	-0.40
GEO MEAN +2 STD DEV			10.11	13.55	115.21	8.62	5.61	2977.39	38.68	5.03
GEO MEAN -2 STD DEV			5.38	4.74	50.55	6.18	1.60	0.01	11.18	0.55
SUM OF SQUARES			198.08	494.34	43254.86	322.87	81.00	3497.24	3545.32	17.93

Table 9a.

ECB205 ECOBAM AT NE EVERETT EAST WTRWAY

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS	00301 DO PERCENT SATURATN	99001 SHANNON DIVERSITY INDEX	99002 OFFSHORE LOAD lb/day	99003 NEARSHORE LOAD lb/day	99004 TOTAL LOAD lb/day
74/05/28	1115		14.3	8.6	7.2	1.0	13	13.0		89.9	1.016	615900	35439	651340
74/06/13	1155		16.6	8.5	7.1	2.0	30	7.0		90.0	0.371	630160	37651	667820
74/08/12	1640		16.5		7.0	1.0		22.0			0.119	572880	39703	612590
74/09/18	1045		14.8	2.4	6.8	3.0	95	29.9		28.2	1.386	656580	37866	694450
74/10/17	1150		12.0	2.1	7.2	2.0	23	27.6		23.0	0.060	763030	39591	802630
74/11/13	1440		11.9	4.5	6.9	3.0	30	27.2		49.0	0.971	507130	34540	541670
74/12/19	1150		8.0	8.1		2.0	38	26.3		80.6	0.000	541640	40501	582140
75/01/16	1055			8.2	7.3	3.0	33				0.000	578450	36392	614840
75/02/20	1100			9.8	7.3	5.0	48					643910	25978	669890
75/03/20	1135		7.7	8.2	7.3	1.0	18	25.9		80.8		459120	30565	489690
75/04/14	1310		9.7	8.4	7.6	2.0	18	25.2		86.1	0.000	212500	21334	233830
75/05/13	1040		12.5	9.2	5.9	3.0	59	14.2		93.3	1.347	258730	25880	284610
75/06/11	1055		15.0	10.5	8.2	2.0	9	15.3		112.9	0.000	158040	31847	189990
75/07/24	1155		17.3	10.0	8.0		14	21.4		116.7	0.000	225770	28444	254210
75/08/13	1150		17.2	8.2	7.4	1.0	30	25.6		98.0	0.984	300060	30855	330920
75/09/18	1505		16.5	10.0	8.0	2.0	14	25.4		117.8	0.042	258260	30351	288610
75/10/16	1540		11.5	6.0	7.3	3.0	28	27.0		64.7		207250	33437	240680
75/11/20	1115		7.5	11.4	8.2	2.0	14	15.1		104.1	0.000	52343	23060	75403
75/12/17	1440		7.5	9.5	7.5	4.0	0	16.0		87.2	0.000	309060	34008	343070
76/01/22	1115		6.3	10.2	7.4	4.0	14	18.1		92.3	0.000	257980	37931	295910
76/02/19	1100		6.5	9.2	7.7	3.0	9	23.3		86.7	0.000	293710	33612	327320
76/03/18	1120		7.5	9.5	6.9	2.0	50	29.0		95.3	0.000	5500	50044	55544
76/04/22	1200		9.6	11.6	8.2	4.0	5	15.6	1.7	111.4	0.000	296710	35050	331760
76/05/05	1255		11.3	9.7	8.3	3.0	14	15.5	1.8	96.7	0.000	284410	18853	303260
76/06/08	1450		12.7	9.8	7.7	4.0	14	16.6	1.8	101.3	1.000	307740	34301	342040
76/07/20	1425		17.4	8.5	7.8	1.0	14	17.4		97.1	0.000	231390	40591	271980
76/08/24	1500		13.4	7.0	7.7	1.0	3	22.3	3.0	76.1		335360	38083	373450
76/09/16	1630		14.7	9.3	8.0	1.0	9	23.5	2.1	104.5	0.085	248360	41215	289570
76/10/21	1535		10.8	4.3	7.4	4.0	77	27.2	1.7	45.7	0.000	230050	38151	268200
76/11/23	1600		9.5	6.1	7.0	1.0	41	27.4	2.4	63.2	0.000	278930	36926	315860
76/12/15	1405		9.5	3.8	6.3	1.0	9	28.1		39.6	0.000	231890	38167	270050
77/01/13	1400		8.3	4.1	7.1	2.0	54	27.8	1.8	41.5		202780	40523	243310
77/02/25	1150		8.0	7.1	7.1	4.0	23	24.9	2.4	70.0		148870	35414	184280
77/03/24	1040		7.5	6.8				27.8	2.4	67.6	1.000	291520	37794	329310
77/04/27	1425		11.8	10.3	7.8	3.0	9		1.5		0.000	273640	39729	313370
77/05/11	1150		11.1	7.4	7.3	2.0	41	17.9	1.8	74.5	0.946	270770	39060	309830
77/06/13	1515		17.4	9.8	7.8	1.0	14	18.5		112.6	1.000	256590	38447	295040
77/07/21	1050		14.3	4.8	7.2	8.0	45	28.7	1.5	55.3	0.000	294670	44513	339180
77/08/18	1105		16.8	7.3	7.8	1.0	32	27.7	2.4	87.8	0.000	317150	42430	359580
77/09/15	1145		12.0	4.2	6.9	2.0	110	28.0	3.1	46.0		210120	36959	247080
77/10/12	1440		12.0	4.3	7.2	3.0	41	25.1	2.1	46.2	0.000	322740	19231	341970
77/11/08	1525		9.9	6.5	7.5	3.0	0	26.9	2.1	67.7	1.096	252220	49658	301880
77/12/20	1445		6.0	10.0	7.4	4.0	5	14.8		87.9		226900	42364	269260
78/01/12	1215		5.8	8.9	7.0	2.0	14	25.3	3.5	83.6		235100	38427	273530
78/02/15	1250		6.9	9.0	7.2	3.0	14	27.6	2.7	88.2		224410	42553	266960
78/03/31	1240		10.2	8.8	7.4	3.0	23	17.6	2.7	86.8	0.971	245920	39062	284980
78/04/13	0950		9.8	8.5	7.5	3.0	18	21.8	1.2	85.4		291660	36750	328410
78/05/03	1550		11.7	10.3	7.5	3.0	0	19.8	1.7	106.4		199370	45003	244370
78/06/26	1120		15.3	8.9	7.6	2.0	14	21.5	2.7	100.0	0.624	253790	35962	289750
78/07/28	1235		16.7	7.1	7.2	3.0	36	25.1	2.5	83.8	0.000	222490	43963	266450
78/09/19	1200		13.4	6.8	7.8	1.0		14.5	2.0	70.4	0.000	6000	0	6000
78/10/13	1134		12.5	7.6	7.8	2.0	5	20.9	7.7	80.4		0	0	0
78/11/30	1510		8.0	7.2	7.5	15.0	5	28.3	1.0	72.7	0.474	3600	0	3600
78/12/19	1105		7.6	7.0	7.6	2.0	5	29.0	3.0	70.4	0.000	0	0	0
79/01/31	1100		6.1	7.5	7.5	4.0	5K	28.6	3.5	72.7	0.000	0	0	0
79/02/26	1610		7.2	7.1	7.2	9.0	28	25.2	1.5	68.9		107170	38802	145980
79/03/26	1525		8.8	8.1	7.3		23	23.9	2.5	80.7		317030	35675	352710
79/04/09	1535		9.1	6.9	7.3	1.0	45	26.9	2.0	70.6	0.000	100610	34680	135290
79/05/30	1115		1.0	9.3	7.9	12.0	5	18.5	2.5	104.0		89847	40208	130050
79/06/19	1500		12.7	7.4	7.5	1.0	14	25.0	2.4	80.7	1.207	95859	33531	129390
79/07/17	1520		23.5		7.3	2.0	5	21.1	3.0		0.584	178260	43217	221480
79/08/28	1155		14.1	4.4	7.3	2.0	36	27.1	2.1	50.0	0.327	171820	34856	206680
79/09/18	1755		16.1	13.8	8.3	2.0	14	25.1	1.5	161.0	0.660	126390	38493	164880
79/10/16	1620		12.2	4.1	7.2	2.0	54	28.0	2.1	45.1	0.523	130080	36066	166150
79/11/13	1520		8.5	3.1	7.9	3.0	72	27.5	1.6	31.5	0.235	173670	42660	216330
79/12/12	1455		6.0	10.2	7.4	4.0	18	14.3	1.2	89.4	0.000	196450	26152	222610
80/01/25	1135		5.7	9.7	7.9	3.0	5K	19.2	1.4	87.2	0.503	4425	11841	16266
80/02/22	1135		7.8	8.2	7.4	2.0	23	25.5	1.8	80.8		6308	7532	13840
80/03/17	1030		10.5	8.2	7.4	4.0	5	24.2	1.0	85.0	0.000	3289	9653	12942
80/04/21	0950		8.9	10.4	8.1	2.0	0	22.5	2.2	102.9	0.000	2950	6864	9814
80/05/21	0950		10.0	10.4	7.7	10.0	0	22.8	1.5	105.6	0.031	3090	4983	8073
80/06/23	1700		15.1	9.7	8.2	3.0	0	20.5	2.7	107.9	0.000	3325	7119	10444
80/07/22	1610		18.4	10.4		1.0	0	21.1	2.1	123.8		3889	6199	10088
80/08/29	0900		11.2	6.2		2.0	14	26.8	1.5	66.3	0.068	4340	7126	11466
80/10/07	1705		12.5		8.0	1.0	45	27.3	1.2		0.135	2767	11048	13815
80/11/20	1445		6.4	8.7	7.7	3.0	45	27.1		84.0	0.316	4398	7128	11526
80/12/15	1240		6.6	8.9	7.6	2.0	5	22.1	1.5	83.3	0.000	2491	4533	7024
81/03/13	1030		10.1	8.8	7.5		4	23.2	2.1	89.8	0.000	12573	7265	19838

Table 9b.

DATES: 74/01/01TO 74/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/28	1115		14.3	8.6	89.9	7.2	1.0	13	13.8	
74/06/13	1155		16.6	8.5	98.0	7.1	2.0	30	7.8	
74/08/12	1640		16.5			7.0	1.0		22.0	
74/09/18	1045		14.8	2.4	28.2	6.8	3.0	95	29.9	
74/10/17	1150		12.0	2.1	23.0	7.2	2.0	23	27.6	
74/11/13	1440		13.9	4.5	49.0	6.9	3.0	30	27.2	
74/12/19	1150		8.0	8.1	80.6		2.0	38	26.3	
NUMBER OF SAMPLES			7	6	6	6	7	6	7	0
MAXIMUM VALUE			16.60	8.60	90.00	7.20	3.00	95.00	29.90	
MINIMUM VALUE			8.00	2.10	23.00	6.80	1.00	13.00	7.00	
ARITHMETIC MEAN			13.44	5.70	60.12	7.03	2.00	38.17	21.86	
GEOMETRIC MEAN			13.10	4.88	52.41	7.03	1.84	31.47	19.77	
LOG/GEOMETRIC MEAN			2.57	1.58	3.96	1.95	0.61	3.45	2.98	
MEDIAN			14.30	6.30	64.80	7.05	2.00	30.00	26.30	
STANDARD DEV OF LOGS			0.26	0.65	0.61	0.02	0.46	0.65	0.54	
STANDARD DEVIATION			3.05	3.08	30.72	0.16	0.82	29.08	8.61	
VARIANCE			9.33	9.46	943.91	0.03	0.67	845.37	74.19	
COEFF OF VARIATION			22.72	53.96	51.11	2.32	40.82	76.18	39.41	
SUM OF VALUES			94.10	34.20	360.70	42.20	14.00	229.00	153.00	
MEAN +2 STD DEV			19.55	11.85	121.56	7.36	3.63	96.32	39.88	
MEAN -2 STD DEV			7.33	-0.45	-1.33	6.71	0.37	-19.98	4.63	
GEO MEAN +2 STD DEV			21.84	17.86	176.08	7.37	4.58	116.48	57.89	
GEO MEAN -2 STD DEV			7.86	1.33	15.60	6.71	0.74	8.50	6.75	
SUM OF SQUARES			1320.95	242.24	26403.61	296.94	32.00	12967.00	3789.30	

DATES: 75/01/01TO 75/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/01/16	1055			8.2		7.3	3.0	35		
75/02/20	1100			9.8		7.3	5.0	48		
75/03/20	1135		7.7	8.2	80.8	7.3	1.0	18	25.9	
75/04/14	1310		9.7	8.4	86.1	7.6	2.0	18	25.2	
75/05/13	1040		12.5	9.2	93.3	5.9	3.0	59	14.2	
75/06/11	1055		15.0	10.5	112.9	8.2	2.0	9	15.3	
75/07/24	1155		17.3	10.0	116.7	8.0		14	21.4	
75/08/13	1150		17.2	8.2	98.0	7.4	1.0	30	25.6	
75/09/18	1505		16.5	10.0	117.8	8.0	2.0	14	25.4	
75/10/14	1540		11.5	6.0	64.7	7.3	3.0	28	27.0	
75/11/20	1115		7.5	11.4	104.1	8.2	2.0	14	15.1	
75/12/17	1440		7.5	9.5	87.2	7.5	4.0	0	16.0	
NUMBER OF SAMPLES			10	12	10	12	11	12	10	0
MAXIMUM VALUE			17.30	11.40	117.80	8.20	5.00	59.00	27.00	
MINIMUM VALUE			7.50	6.00	64.70	5.90	1.00	0.00	14.20	
ARITHMETIC MEAN			12.24	9.12	96.16	7.50	2.55	23.92	21.11	
GEOMETRIC MEAN			11.61	9.01	94.70	7.47	2.28	11.85	20.46	
LOG/GEOMETRIC MEAN			2.45	2.20	4.55	2.01	0.82	2.40	3.02	
MEDIAN			12.00	9.35	95.65	7.45	2.00	18.00	23.30	
STANDARD DEV OF LOGS			0.35	0.17	0.19	0.09	0.51	2.49	0.27	
STANDARD DEVIATION			4.06	1.62	17.17	0.62	1.21	16.91	5.34	
VARIANCE			16.51	2.61	294.68	0.38	1.47	286.08	28.53	
COEFF OF VARIATION			33.20	15.53	17.85	8.26	47.66	70.72	25.30	
SUM OF VALUES			122.40	109.40	961.60	90.00	28.00	287.00	211.10	
MEAN +2 STD DEV			20.37	11.95	130.49	8.74	4.97	57.74	31.79	
MEAN -2 STD DEV			4.11	6.28	61.83	6.26	0.12	-9.91	10.43	
GEO MEAN +2 STD DEV			23.29	12.58	137.97	8.91	6.30	1606.27	34.96	
GEO MEAN -2 STD DEV			5.79	6.45	64.99	6.27	0.82	0.08	11.98	
SUM OF SQUARES			1646.76	1019.42	95119.62	679.22	86.00	10011.00	4713.07	

DATES: 76/01/01TO 76/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
76/01/22	1115		4.3	10.2	92.3	7.4	4.0	14	18.1	
76/02/19	1100		6.5	9.2	86.7	7.7	3.0	9	23.3	
76/03/18	1120		7.5	9.5	95.3	6.9	2.0	50	29.0	
76/04/22	1200		9.6	11.6	111.4	8.2	4.0	5	15.4	1.7
76/05/05	1255		11.3	9.7	96.7	8.3	3.0	14	15.5	1.8
76/06/08	1450		12.7	9.8	101.3	7.7	4.0	14	16.6	1.8
76/07/20	1425		17.4	8.5	97.1	7.8	1.0	14	17.4	
76/08/24	1300		13.4	7.0	76.1	7.7	1.0	3	22.3	3.0
76/09/16	1630		14.7	9.3	104.5	8.0	1.0	9	21.5	2.1
76/10/21	1535		10.8	4.3	45.7	7.4	4.0	77	27.2	1.7
76/11/23	1600		9.5	6.1	63.2	7.0	1.0	41	27.4	2.4
76/12/15	1405		9.5	3.8	39.6	6.3	1.0	9	28.1	
NUMBER OF SAMPLES			12	12	12	12	12	12	12	7
MAXIMUM VALUE			17.40	11.60	111.40	8.30	4.00	77.00	29.00	3.00
MINIMUM VALUE			6.30	3.80	39.60	6.30	1.00	5.00	15.50	1.70
ARITHMETIC MEAN			10.77	8.25	84.16	7.53	2.42	21.75	22.00	2.07
GEOMETRIC MEAN			10.29	7.84	80.45	7.51	2.02	14.80	21.43	2.03
LOG/GEOMETRIC MEAN			2.33	2.06	4.39	2.02	0.70	2.69	3.06	0.71
MEDIAN			10.20	9.25	93.80	7.70	2.50	14.00	22.80	1.90
STANDARD DEV OF LOGS			0.37	0.35	0.33	0.08	0.65	0.87	0.24	0.21
STANDARD DEVIATION			3.36	2.43	23.24	0.58	1.35	22.38	5.18	0.48
VARIANCE			11.26	5.89	540.01	0.33	1.90	500.93	26.83	0.23
COEFF OF VARIATION			31.16	29.41	27.61	7.64	57.06	102.90	23.55	23.27
SUM OF VALUES			129.20	99.00	1009.90	90.40	29.00	261.00	264.00	14.50
MEAN +2 STD DEV			17.48	13.10	130.63	8.68	5.17	66.51	32.36	3.04
MEAN -2 STD DEV			4.06	3.40	37.68	6.38	-0.34	-23.01	11.64	1.11
GEO MEAN +2 STD DEV			19.36	15.92	157.17	8.68	7.42	84.54	34.74	3.11
GEO MEAN -2 STD DEV			5.47	3.87	41.18	6.42	0.55	2.59	13.22	1.32
SUM OF SQUARES			1514.88	881.50	90931.57	684.66	91.00	11187.00	6103.18	31.43

DATES: 77/01/01TO 77/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
77/01/13	1400		8.3	4.1	41.5	7.1	2.0	54	27.8	1.8
77/02/25	1150		8.0	7.1	70.0	7.1	4.0	23	24.9	2.4
77/03/24	1040		7.5	6.8	67.6				27.8	2.4
77/04/27	1425		11.8	10.3		7.8	3.0	9		1.5
77/05/11	1150		11.1	7.4	74.5	7.3	2.0	41	17.9	1.8
77/06/13	1515		17.4	9.8	112.6	7.8	1.0	14	18.5	
77/07/21	1050		14.3	4.8	55.3	7.2	8.0	45	28.7	1.5
77/08/18	1105		16.8	7.3	87.8	7.8	1.0	32	27.7	2.4
77/09/15	1145		12.0	4.2	46.0	6.9	2.0	110	28.0	3.1
77/10/12	1440		12.0	4.3	46.2	7.2	3.0	41	25.1	2.1
77/11/08	1525		9.9	6.5	67.7	7.5	3.0	0	26.9	2.1
77/12/20	1445		6.0	10.0	87.9	7.4	4.0	5	14.8	
NUMBER OF SAMPLES			12	12	11	11	11	11	11	10
MAXIMUM VALUE			17.40	10.30	112.60	7.80	8.00	110.00	28.70	3.10
MINIMUM VALUE			6.00	4.10	41.50	6.90	1.00	0.00	14.80	1.50
ARITHMETIC MEAN			11.26	6.88	68.83	7.37	3.00	34.00	24.37	2.11
GEOMETRIC MEAN			10.73	6.54	65.86	7.37	2.53	12.37	23.85	2.06
LOG/GEOMETRIC MEAN			2.37	1.88	4.19	2.00	0.93	2.52	3.17	0.72
MEDIAN			11.45	6.95	67.70	7.30	3.00	32.00	26.90	2.10
STANDARD DEV OF LOGS			0.33	0.34	0.31	0.04	0.61	2.73	0.23	0.23
STANDARD DEVIATION			3.59	2.27	21.54	0.32	1.95	30.89	4.92	0.49
VARIANCE			12.92	5.14	463.90	0.10	3.80	954.20	24.17	0.24
COEFF OF VARIATION			31.92	32.92	31.29	4.29	64.98	90.85	20.17	23.27
SUM OF VALUES			135.10	82.60	757.10	81.10	33.00	374.00	268.10	21.10
MEAN +2 STD DEV			18.45	11.42	111.90	8.01	6.90	95.78	34.20	3.09
MEAN -2 STD DEV			4.07	2.35	25.75	6.74	-0.90	-27.78	14.54	1.13
GEO MEAN +2 STD DEV			20.64	12.90	122.88	8.02	8.58	2937.11	37.67	3.26
GEO MEAN -2 STD DEV			5.58	3.31	35.30	6.76	0.75	0.05	15.09	1.30
SUM OF SQUARES			1663.09	625.06	56748.09	598.93	137.00	22258.00	6775.99	46.69

DATES: 79/01/01TO 79/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
79/01/31	1100		6.1	7.5	72.7	7.5	4.0	58	28.6	3.5
79/02/26	1610		7.2	7.1	68.9	7.2	9.0	28	25.2	1.5
79/03/26	1525		8.8	8.1	80.7	7.3		23	23.9	2.5
79/04/09	1535		9.1	6.9	70.6	7.3	1.0	45	26.9	2.0
79/05/30	1115		1.0	9.3	104.0	7.9	12.0	5	18.5	2.5
79/06/19	1300		12.7	7.4	80.7	7.3	1.0	14	25.0	2.4
79/07/17	1520		23.5			7.3	2.0	5	21.1	3.0
79/08/28	1155		14.1	4.4	50.0	7.3	2.0	36	27.1	2.1
79/09/18	1755		16.1	13.8	161.0	8.3	2.0	14	25.1	1.5
79/10/16	1620		12.2	4.1	45.1	7.2	2.0	54	28.0	2.1
79/11/15	1520		8.5	3.1	31.5	7.9	3.0	72	27.5	1.6
79/12/12	1455		6.0	10.2	89.4	7.4	4.0	18	14.3	1.2
NUMBER OF SAMPLES			12	11	11	12	11	12	12	12
MAXIMUM VALUE			23.50	13.80	161.00	8.30	12.00	72.00	28.60	3.50
MINIMUM VALUE			1.00	3.11	31.50	7.20	1.00	5.00	14.30	1.20
ARITHMETIC MEAN			10.44	7.45	77.69	7.51	3.82	26.58	24.27	2.14
GEOMETRIC MEAN			8.53	6.88	71.37	7.50	2.80	18.67	23.85	2.06
LOG/GEOMETRIC MEAN			2.14	1.93	4.27	2.02	1.03	2.93	3.17	0.72
MEDIAN			8.95	7.47	72.70	7.35	2.00	20.50	25.15	2.10
STANDARD DEV OF LOGS			0.29	0.43	0.44	0.04	0.79	0.94	0.20	0.31
STANDARD DEVIATION			5.80	3.02	34.50	0.34	3.52	21.42	4.30	0.67
VARIANCE			33.69	9.14	1190.28	0.12	12.36	458.63	18.45	0.45
COEFF OF VARIATION			55.59	40.55	44.41	4.59	92.09	80.56	17.70	31.82
SUM OF VALUES			125.30	82.00	854.60	90.10	42.00	319.00	291.20	25.90
MEAN +2 STD DEV			22.05	13.50	146.69	8.20	10.85	69.41	32.86	3.50
MEAN -2 STD DEV			-1.17	1.41	8.69	6.82	-3.21	-16.25	15.68	0.82
GEO MEAN +2 STD DEV			41.27	16.33	179.37	8.20	13.72	122.53	35.88	3.86
GEO MEAN -2 STD DEV			1.76	2.90	29.90	6.86	0.57	2.84	15.85	1.10
SUM OF SQUARES			1678.95	702.67	78297.46	677.81	284.00	13525.00	7269.44	68.83

DATES: 78/01/01TO 78/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SUL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
78/01/12	1215		5.8	8.9	83.6	7.0	2.0	14	25.3	3.5
78/02/15	1250		6.9	9.0	88.2	7.2	3.0	14	27.6	2.7
78/03/31	1240		10.2	8.8	86.8	7.4	3.0	23	17.6	2.7
78/04/13	0950		9.8	8.5	85.4	7.5	3.0	18	21.8	1.2
78/05/03	1550		11.7	10.3	106.4	7.5	3.0	0	19.8	1.7
78/06/26	1120		15.3	8.9	100.0	7.6	2.0	14	21.5	2.7
78/07/28	1235		16.7	7.1	83.8	7.2	3.0	36	25.1	2.5
78/09/19	1200		13.4	6.8	70.4	7.6	1.0		14.5	2.0
78/10/13	1134		12.5	7.6	80.4	7.8	2.0	5	20.9	2.7
78/11/30	1510		8.0	7.2	72.7	7.5	15.0	5	28.3	1.0
78/12/19	1105		7.6	7.0	70.4	7.6	2.0	5	29.0	3.0
NUMBER OF SAMPLES			11	11	11	11	11	10	11	11
MAXIMUM VALUE			16.70	10.30	106.40	7.80	15.00	36.00	29.00	3.75
MINIMUM VALUE			5.80	6.80	70.40	7.00	1.00	0.00	14.50	1.00
ARITHMETIC MEAN			10.72	8.19	84.37	7.46	3.55	13.40	22.45	2.81
GEOMETRIC MEAN			10.18	8.12	83.70	7.46	2.71	5.50	22.40	2.43
LOG/GEOMETRIC MEAN			2.32	2.09	4.43	2.01	1.00	1.71	3.11	0.89
MEDIAN			10.20	8.50	83.80	7.50	3.00	14.00	21.80	2.70
STANDARD DEV OF LOGS			0.34	0.13	0.13	0.03	0.66	2.55	0.22	0.54
STANDARD DEVIATION			3.54	1.11	11.38	0.25	3.86	10.63	4.63	1.80
VARIANCE			12.51	1.24	129.44	0.06	14.87	112.93	21.45	3.25
COEFF OF VARIATION			33.00	13.60	13.48	3.35	108.77	79.31	20.26	64.21
SUM OF VALUES			117.90	90.12	928.10	82.10	39.00	134.00	251.40	30.90
MEAN +2 STD DEV			17.79	10.42	107.13	7.96	11.26	34.65	32.12	6.42
MEAN -2 STD DEV			3.64	5.97	61.62	6.96	-4.17	-7.85	13.59	-0.80
GEO MEAN +2 STD DEV			20.12	10.64	109.05	7.98	10.13	909.74	34.44	7.20
GEO MEAN -2 STD DEV			5.15	6.20	64.24	6.97	0.73	0.03	14.57	0.82
SUM OF SQUARES			1388.77	750.73	79600.77	613.39	287.00	2812.00	5960.10	119.33

Table 9b, continued.

DATES: 80/01/01TO 80/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
80/01/25	1135		5.7	9.7	87.2	7.9	3.0	5K	19.2	1.4
80/02/22	1135		7.8	8.2	80.8	7.4	2.0	23	25.5	1.8
80/03/17	1030		10.5	8.2	85.0	7.4	4.0	5	24.2	1.0
80/04/21	0950		8.9	10.4	102.9	8.1	2.0	0	22.5	2.2
80/05/21	0950		10.0	10.4	105.6	7.7	10.0	0	22.8	1.5
80/06/23	1700		15.1	9.7	107.9	8.2	3.0	0	20.5	2.7
80/07/22	1610		18.4	10.4	123.8		1.0	0	21.1	2.1
80/08/29	0900		11.2	6.2	66.3		2.0	14	26.8	1.5
80/10/07	1705		12.5			8.0	1.0	45	27.3	1.2
80/11/20	1445		6.4	8.7	84.0	7.7	3.0	45	27.1	
80/12/15	1240		6.6	8.9	83.3	7.6	2.0	5	22.1	1.5
NUMBER OF SAMPLES			11	10	10	9	11	11	11	10
MAXIMUM VALUE			18.40	10.40	123.80	8.20	10.00	45.00	27.30	2.70
MINIMUM VALUE			5.70	6.20	66.30	7.40	1.00	0.00	19.20	1.00
ARITHMETIC MEAN			10.28	9.08	92.68	7.78	3.00	12.91	23.55	1.69
GEOMETRIC MEAN			9.66	8.98	91.32	7.77	2.43	0.76	23.40	1.62
LOG/GEOMETRIC MEAN			2.27	2.20	4.51	2.05	0.89	-0.27	3.15	0.48
MEDIAN			10.00	9.30	86.10	7.70	2.00	5.00	22.80	1.50
STANDARD DEV OF LOGS			0.37	0.16	0.18	0.04	0.64	4.06	0.12	0.30
STANDARD DEVIATION			3.91	1.33	16.87	0.29	2.49	17.37	2.82	0.51
VARIANCE			15.27	1.78	284.54	0.08	6.20	301.69	7.94	0.26
COEFF OF VARIATION			38.01	14.69	18.20	3.74	83.00	134.55	11.97	30.36
SUM OF VALUES			113.10	90.80	926.80	70.00	33.00	142.00	259.10	16.90
MEAN +2 STD DEV			18.10	11.75	126.42	8.36	7.98	47.65	29.19	2.72
MEAN -2 STD DEV			2.47	6.41	58.94	7.20	-1.98	-21.83	17.92	0.66
GEO MEAN +2 STD DEV			20.18	12.38	131.24	8.38	8.75	2579.67	29.77	2.94
GEO MEAN -2 STD DEV			4.62	6.52	63.54	7.21	0.67	0.00	18.39	0.90
SUM OF SQUARES			1315.57	840.48	88456.68	545.12	161.00	4850.00	6182.43	30.93

DATES: 81/01/01TO 81/12/31

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
81/03/13	1030		10.1	8.8	89.8	7.5		4	23.2	2.1
NUMBER OF SAMPLES			1	1	1	1	0	1	1	1
MAXIMUM VALUE			10.10	8.80	89.80	7.50		4.00	23.20	2.10
MINIMUM VALUE			10.10	8.80	89.80	7.50		4.00	23.20	2.10
ARITHMETIC MEAN										
GEOMETRIC MEAN										
LOG/GEOMETRIC MEAN										
MEDIAN										
STANDARD DEV OF LOGS										
STANDARD DEVIATION										
VARIANCE										
COEFF OF VARIATION										
SUM OF VALUES										
MEAN +2 STD DEV										
MEAN -2 STD DEV										
GEO MEAN +2 STD DEV										
GEO MEAN -2 STD DEV										
SUM OF SQUARES										

Table 9c.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/01/16	1055			8.2		7.3	3.0	35		
76/01/22	1115		6.3	10.2	92.3	7.4	4.0	19	18.1	
77/01/13	1400		8.3	4.1	41.5	7.1	2.0	54	27.8	1.8
78/01/12	1215		5.8	8.9	83.6	7.0	2.0	14	25.3	3.5
79/01/31	1100		6.1	7.5	72.7	7.5	4.0	58	28.6	3.5
80/01/25	1135		5.7	9.7	87.2	7.9	3.0	58	19.2	1.4
NUMBER OF SAMPLES			5	6	5	6	6	6	5	4
MAXIMUM VALUE			8.30	10.20	92.30	7.90	4.00	54.00	28.60	3.50
MINIMUM VALUE			5.70	4.10	41.50	7.00	2.00	5.00	18.10	1.40
ARITHMETIC MEAN			6.44	8.10	75.46	7.37	3.00	21.17	23.80	2.55
GEOMETRIC MEAN			6.38	7.78	72.69	7.36	2.88	14.49	23.36	2.36
LOG/GEOMETRIC MEAN			1.85	2.05	4.29	2.00	1.06	2.67	3.15	0.86
MEDIAN			6.10	8.55	83.60	7.35	3.00	14.00	25.30	2.65
STANDARD DEV OF LOGS			0.15	0.33	0.33	0.04	0.31	0.98	0.21	0.47
STANDARD DEVIATION			1.07	2.19	26.30	0.32	0.89	19.47	4.87	1.11
VARIANCE			1.14	4.80	412.14	0.10	0.80	378.97	23.74	1.23
COEFF OF VARIATION			16.56	27.04	26.90	4.35	29.81	91.97	20.47	43.49
SUM OF VALUES			32.20	48.60	377.30	44.20	18.00	127.00	119.00	10.20
MEAN +2 STD DEV			8.57	12.48	116.86	8.01	4.79	60.10	33.54	4.77
MEAN -2 STD DEV			4.31	3.72	34.86	6.73	1.21	-17.77	14.06	0.33
GEO MEAN +2 STD DEV			8.65	15.15	139.40	8.02	5.38	102.31	25.79	6.01
GEO MEAN -2 STD DEV			4.70	4.00	37.91	6.75	1.55	2.05	15.28	0.92
SUM OF SQUARES			211.92	417.64	30119.63	326.12	58.00	4563.00	2927.14	29.70

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/02/20	1100			9.8		7.3	5.0	48		
76/02/17	1100		6.3	9.2	86.7	7.7	3.0	7	23.3	
77/02/25	1150		8.0	7.1	70.0	7.1	4.0	23	24.9	2.4
78/02/15	1250		6.9	9.0	88.2	7.2	3.0	14	27.6	2.7
79/02/26	1610		7.2	7.1	68.9	7.2	9.0	28	25.2	1.5
80/02/22	1135		7.8	8.2	80.8	7.4	2.0	23	25.5	1.8
NUMBER OF SAMPLES			5	6	5	6	6	6	5	4
MAXIMUM VALUE			8.00	9.80	86.20	7.70	9.00	48.00	27.60	2.70
MINIMUM VALUE			6.50	7.10	68.90	7.10	2.00	9.00	23.30	1.50
ARITHMETIC MEAN			7.28	8.40	78.92	7.32	4.33	24.17	25.30	2.10
GEOMETRIC MEAN			7.26	8.34	78.50	7.31	3.85	21.15	25.26	2.05
LOG/GEOMETRIC MEAN			1.98	2.12	4.36	1.99	1.35	3.05	1.23	0.72
MEDIAN			7.20	8.60	80.80	7.25	3.50	23.00	25.20	2.10
STANDARD DEV OF LOGS			0.09	0.14	0.12	0.03	0.52	0.58	0.08	0.27
STANDARD DEVIATION			0.62	1.13	9.08	0.21	3.50	13.56	1.54	0.55
VARIANCE			0.39	1.28	82.54	0.05	6.27	183.77	2.37	0.30
COEFF OF VARIATION			8.55	13.45	11.51	2.92	57.77	56.09	6.09	26.08
SUM OF VALUES			36.40	50.40	394.60	43.90	26.00	145.00	126.50	8.40
MEAN +2 STD DEV			8.52	10.66	97.09	7.74	9.34	51.28	28.38	3.20
MEAN -2 STD DEV			6.04	6.14	60.75	6.89	-0.67	-2.95	22.22	1.00
GEO MEAN +2 STD DEV			8.62	10.96	99.12	7.75	10.85	67.07	28.52	3.49
GEO MEAN -2 STD DEV			6.11	6.34	62.16	6.90	1.36	6.67	22.38	1.20
SUM OF SQUARES			266.54	429.74	31471.98	321.43	144.00	4423.00	3209.95	18.54

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/03/20	1135		7.7	8.2	80.8	7.3	1.0	18	25.9	
76/03/18	1120		7.5	9.5	95.3	6.9	2.0	50	29.0	
77/03/24	1040		7.5	6.8	67.6				27.8	2.4
78/03/31	1240		10.2	8.8	86.8	7.4	3.0	23	17.6	2.7
79/03/26	1525		8.8	8.1	80.7	7.3		23	23.9	2.5
80/03/17	1030		10.5	8.2	85.0	7.4	4.0	5	24.2	1.0
81/03/13	1030		10.1	8.8	89.8	7.5		4	23.2	2.1
NUMBER OF SAMPLES			7	7	7	6	4	6	7	5
MAXIMUM VALUE			10.50	9.50	95.30	7.50	4.00	50.00	29.00	2.70
MINIMUM VALUE			7.50	6.80	67.60	6.90	1.00	4.00	17.60	1.00
ARITHMETIC MEAN			8.90	8.34	83.71	7.30	2.50	20.50	24.51	2.14
GEOMETRIC MEAN			8.81	8.30	83.30	7.30	2.21	14.56	24.25	2.02
LOG/GEOMETRIC MEAN			2.18	2.12	4.42	1.99	0.79	2.68	3.19	0.71
MEDIAN			8.60	8.20	85.00	7.35	2.50	20.50	24.20	2.40
STANDARD DEV OF LOGS			0.15	0.10	0.11	0.03	0.60	0.98	0.16	0.40
STANDARD DEVIATION			1.36	0.84	8.75	0.21	1.29	16.74	3.72	0.87
VARIANCE			1.84	0.71	76.61	0.04	1.67	280.30	13.81	0.45
COEFF OF VARIATION			15.25	10.07	10.46	2.87	51.64	81.67	15.16	31.45
SUM OF VALUES			62.30	58.40	586.00	43.80	10.00	123.00	171.60	10.70
MEAN +2 STD DEV			11.62	10.02	101.22	7.72	5.08	53.98	31.95	3.49
MEAN -2 STD DEV			6.18	6.66	66.21	6.88	-0.08	-12.98	17.08	0.79
GEO MEAN +2 STD DEV			11.97	10.24	103.61	7.74	7.37	103.25	33.61	4.55
GEO MEAN -2 STD DEV			6.49	6.74	66.97	6.88	0.67	2.05	17.49	0.90
SUM OF SQUARES			565.53	491.46	49516.26	319.96	30.00	3923.00	4289.50	24.71

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/04/14	1310		9.7	8.4	86.1	7.6	2.0	18	25.2	
76/04/22	1200		9.6	11.6	111.4	8.2	4.0	5	15.6	1.7
77/04/27	1425		11.8	10.3		7.8	3.0	9		1.5
78/04/13	0950		9.8	8.5	85.4	7.5	3.0	18	21.8	1.2
79/04/09	1535		9.1	6.9	70.6	7.3	1.0	45	26.9	2.0
80/04/21	0950		8.9	10.4	102.9	8.1	2.0	0	22.5	2.2
NUMBER OF SAMPLES			6	6	5	6	6	6	5	5
MAXIMUM VALUE			11.80	11.60	111.40	8.20	4.00	45.00	26.90	2.20
MINIMUM VALUE			8.90	6.90	70.60	7.30	1.00	0.00	15.60	1.25
ARITHMETIC MEAN			9.62	9.35	91.28	7.75	2.50	15.83	22.40	1.73
GEOMETRIC MEAN			9.77	9.21	90.14	7.74	2.29	3.65	22.03	1.76
LOG/GEOMETRIC MEAN			2.28	2.22	4.50	2.05	0.83	1.35	3.09	0.53
MEDIAN			9.65	9.40	86.10	7.70	2.50	13.50	22.50	1.70
STANDARD DEV OF LOGS			0.10	0.19	0.18	0.05	0.49	3.34	0.21	0.23
STANDARD DEVIATION			1.03	1.71	16.04	0.35	1.05	15.97	4.32	0.38
VARIANCE			1.07	2.94	257.23	0.12	1.10	254.97	18.68	0.14
COEFF OF VARIATION			10.54	18.34	17.57	4.53	41.95	100.85	19.29	21.97
SUM OF VALUES			58.90	56.10	456.40	46.50	15.00	95.00	112.00	8.65
MEAN +2 STD DEV			11.89	12.78	123.36	8.45	4.60	47.77	31.04	2.49
MEAN -2 STD DEV			7.75	5.92	59.20	7.05	0.40	-16.10	13.76	0.97
GEO MEAN +2 STD DEV			11.93	13.45	126.75	8.48	6.05	3071.21	33.58	2.66
GEO MEAN -2 STD DEV			8.01	6.31	63.11	7.07	0.87	0.00	14.45	1.08
SUM OF SQUARES			583.55	539.23	42689.10	360.99	43.00	2779.00	2563.50	15.54

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/05/28	1115		14.3	8.6	89.9	7.2	1.0	13	13.0	
75/05/13	1040		12.5	9.2	93.3	5.9	1.0	59	14.2	
76/05/05	1255		11.3	9.7	96.7	8.3	3.0	14	15.5	1.8
77/05/11	1150		11.1	7.4	74.5	7.3	2.0	41	17.9	1.8
78/05/03	1550		11.7	10.3	104.4	7.5	3.0	0	19.8	1.7
79/05/30	1115		1.0	9.3	104.0	7.9	12.0	5	18.5	2.5
80/05/21	0950		10.0	10.4	105.6	7.7	10.0	0	22.6	1.5
NUMBER OF SAMPLES			7	7	7	7	7	7	7	5
MAXIMUM VALUE			14.30	10.40	106.40	8.30	12.00	59.00	22.80	2.50
MINIMUM VALUE			1.00	7.40	74.50	5.90	1.00	0.00	13.00	1.50
ARITHMETIC MEAN			10.27	9.27	95.77	7.40	4.86	18.86	17.39	1.87
GEOMETRIC MEAN			6.26	9.22	95.15	7.36	3.50	1.77	17.10	1.84
LOG/GEOMETRIC MEAN			2.11	2.22	4.56	2.00	1.25	0.57	2.84	0.61
MEDIAN			11.30	9.30	96.70	7.50	3.00	13.00	17.90	1.80
STANDARD DEV OF LOGS			0.94	0.12	0.13	0.11	0.87	4.09	0.20	0.19
STANDARD DEVIATION			4.30	1.04	11.34	0.76	4.30	22.59	3.41	0.17
VARIANCE			18.50	1.08	128.53	0.58	18.48	510.48	11.60	0.14
COEFF OF VARIATION			41.88	11.20	11.84	10.26	88.50	119.82	19.59	19.97
SUM OF VALUES			71.90	64.90	670.40	51.80	34.00	132.00	121.70	9.35
MEAN +2 STD DEV			18.87	11.35	118.45	8.92	13.45	64.04	24.20	2.42
MEAN -2 STD DEV			1.67	7.19	73.10	5.88	-3.74	-26.33	10.57	1.17
GEO MEAN +2 STD DEV			53.37	11.66	122.38	9.16	20.09	6143.58	25.34	2.68
GEO MEAN -2 STD DEV			1.27	7.29	73.98	5.92	0.61	0.00	11.54	1.27
SUM OF SQUARES			849.53	608.19	44976.36	386.78	276.00	5552.00	2185.43	18.04

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL PBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/06/13	1155		16.6	8.5	90.0	7.1	2.0	30	7.0	
75/06/11	1055		15.0	10.5	112.9	8.2	2.0	9	15.3	
76/06/08	1450		12.7	9.8	101.3	7.7	4.0	14	16.6	1.8
77/06/13	1515		17.4	9.8	112.6	7.8	1.0	14	18.5	
78/06/26	1120		15.3	8.9	100.0	7.6	2.0	14	21.5	2.7
79/06/19	1500		12.7	7.4	80.7	7.5	1.0	14	25.0	1.4
80/06/23	1700		15.1	9.7	107.9	8.2	3.0	0	20.5	2.7
NUMBER OF SAMPLES			7	7	7	7	7	7	7	4
MAXIMUM VALUE			17.40	10.50	112.90	8.20	4.00	30.00	25.00	2.75
MINIMUM VALUE			12.70	7.47	80.70	7.10	1.00	0.00	7.00	1.80
ARITHMETIC MEAN			14.97	9.24	100.37	7.73	2.14	11.57	17.77	2.41
GEOMETRIC MEAN			14.88	9.19	100.13	7.72	1.92	4.71	16.70	2.38
LOG/GEOMETRIC MEAN			2.70	2.22	4.61	2.04	0.65	1.55	2.82	0.87
MEDIAN			15.10	9.70	101.30	7.70	2.00	14.00	18.50	2.55
STANDARD DEV OF LOGS			0.12	0.11	0.12	0.05	0.52	1.04	0.42	0.20
STANDARD DEVIATION			1.78	1.02	11.96	0.39	1.07	8.90	5.74	0.44
VARIANCE			3.17	1.04	142.93	0.15	1.14	79.29	32.94	0.19
COEFF OF VARIATION			11.88	11.02	11.86	5.05	49.39	65.61	32.29	18.10
SUM OF VALUES			104.80	64.67	705.40	54.10	15.00	95.00	124.40	9.65
MEAN +2 STD DEV			18.53	11.28	124.68	8.51	4.28	31.38	29.25	3.29
MEAN -2 STD DEV			11.41	7.20	76.86	6.95	0.00	-4.24	6.29	1.54
GEO MEAN +2 STD DEV			18.95	11.56	128.24	8.55	5.38	2067.94	38.45	3.52
GEO MEAN -2 STD DEV			11.68	7.30	78.38	6.97	0.68	0.01	7.25	1.61
SUM OF SQUARES			1588.00	603.68	71941.74	419.03	39.00	1765.00	2408.40	23.85

Table 9c, continued.

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL FBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
75/07/24	1355		17.3	10.0	116.7	8.0		14	21.4	
76/07/20	1425		17.4	8.5	97.1	7.8	1.0	14	17.4	
77/07/21	1050		14.3	4.8	55.3	7.2	8.0	45	28.7	1.5
78/07/28	1235		16.7	7.1	83.8	7.2	3.0	36	25.1	2.5
79/07/17	1520		23.5			7.3	2.0	5	21.1	3.0
80/07/22	1610		18.4	10.4	123.8		1.0	0	21.1	2.1
NUMBER OF SAMPLES			6	5	5	5	5	6	6	4
MAXIMUM VALUE			23.50	10.40	123.80	8.00	8.00	45.00	28.70	3.00
MINIMUM VALUE			14.30	4.80	55.30	7.20	1.00	0.00	17.40	1.50
ARITHMETIC MEAN			17.93	8.16	95.34	7.50	3.00	19.00	22.47	2.25
GEOMETRIC MEAN			17.73	7.87	91.75	7.49	2.17	4.46	22.19	2.20
LOG/GEOMETRIC MEAN			2.88	2.06	4.52	2.01	0.77	1.50	3.10	0.79
MEDIAN			17.35	8.50	97.10	7.30	2.00	14.00	21.25	2.30
STANDARD DEV OF LOGS			0.16	0.31	0.32	0.05	0.87	3.42	0.17	0.30
STANDARD DEVIATION			3.05	2.29	27.41	0.37	2.92	17.73	3.91	0.63
VARIANCE			9.32	5.22	751.42	0.14	8.50	314.40	15.27	0.40
COEFF OF VARIATION			17.03	27.99	28.75	4.99	97.18	93.32	17.39	27.89
SUM OF VALUES			107.60	40.82	476.70	37.50	15.00	114.00	134.80	9.10
MEAN +2 STD DEV			24.64	12.73	150.16	8.25	8.83	54.46	30.28	3.54
MEAN -2 STD DEV			11.21	3.59	40.52	6.75	-2.33	-16.46	14.65	1.01
GEO MEAN +2 STD DEV			24.53	14.76	174.78	8.27	12.31	4179.90	31.26	3.98
GEO MEAN -2 STD DEV			12.82	4.20	48.16	6.79	0.38	0.00	15.75	1.22
SUM OF SQUARES			1976.24	354.14	48454.27	281.51	79.00	3738.00	3104.84	21.91

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL FBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/08/12	1440		16.5			7.0	1.0		22.0	
75/08/13	1150		17.2	8.2	98.0	7.4	1.0	30	25.6	
76/08/24	1500		13.4	7.0	76.1	7.7	1.0	5	22.3	3.0
77/08/18	1103		16.6	7.3	87.6	7.6	1.0	32	27.7	2.4
79/08/28	1155		14.1	4.4	50.0	7.3	2.0	36	27.1	2.1
80/08/29	0900		11.2	6.2	66.3		2.0	14	26.8	1.5
NUMBER OF SAMPLES			6	5	5	5	6	5	6	4
MAXIMUM VALUE			17.20	8.20	98.00	7.80	2.00	36.00	27.70	3.00
MINIMUM VALUE			11.20	4.42	50.00	7.00	1.00	5.00	22.00	1.50
ARITHMETIC MEAN			14.87	6.62	75.64	7.44	1.33	23.40	25.25	2.25
GEOMETRIC MEAN			14.70	6.49	73.67	7.43	1.26	18.91	25.14	2.18
LOG/GEOMETRIC MEAN			2.69	1.87	4.30	2.01	0.23	2.94	3.22	0.78
MEDIAN			15.10	7.00	76.10	7.40	1.00	30.00	26.20	2.25
STANDARD DEV OF LOGS			0.17	0.24	0.26	0.04	0.36	0.83	0.10	0.29
STANDARD DEVIATION			2.37	1.42	18.66	0.32	0.52	13.26	2.50	0.62
VARIANCE			5.61	2.03	348.17	0.10	0.27	175.80	6.24	0.39
COEFF OF VARIATION			15.93	21.51	24.67	4.31	38.73	56.66	9.90	27.76
SUM OF VALUES			89.20	33.12	378.20	37.20	8.00	117.00	151.50	9.00
MEAN +2 STD DEV			19.60	9.47	112.96	8.08	2.37	49.92	30.25	3.50
MEAN -2 STD DEV			10.13	3.77	38.32	6.80	0.30	-3.12	20.25	1.00
GEO MEAN +2 STD DEV			20.54	10.41	124.42	8.11	3.58	99.72	30.81	3.90
GEO MEAN -2 STD DEV			10.52	4.04	43.63	6.82	0.62	3.59	20.52	1.22
SUM OF SQUARES			1354.14	227.51	29999.74	277.16	12.00	3441.00	3856.59	21.42

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL FBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/09/18	1045		16.8	2.4	28.2	7.8	1.0	45	29.9	
75/09/18	1505		16.5	10.0	117.8	8.0	2.0	14	25.4	
76/09/16	1630		14.7	9.3	104.5	8.0	1.0	9	23.5	2.1
77/09/15	1145		12.0	4.2	46.0	6.9	2.0	110	28.0	3.1
78/09/19	1200		13.4	6.8	70.4	7.8	1.0		14.5	2.0
79/09/18	1755		16.1	13.8	161.0	8.3	2.0	14	25.1	1.5
NUMBER OF SAMPLES			6	6	6	6	6	5	6	4
MAXIMUM VALUE			16.50	13.80	161.00	8.30	3.00	110.00	29.90	3.10
MINIMUM VALUE			12.00	2.40	28.20	6.80	1.00	9.00	14.50	1.50
ARITHMETIC MEAN			14.58	7.75	87.98	7.63	1.83	48.40	24.40	2.18
GEOMETRIC MEAN			14.50	6.67	75.21	7.61	1.70	28.29	23.80	2.10
LOG/GEOMETRIC MEAN			2.67	1.90	4.32	2.03	0.53	3.35	3.17	0.74
MEDIAN			14.75	8.05	87.45	7.70	2.00	14.00	25.25	2.05
STANDARD DEV OF LOGS			0.12	0.34	0.35	0.08	0.44	1.18	0.26	0.30
STANDARD DEVIATION			1.68	4.35	49.27	0.63	0.75	49.71	5.36	0.67
VARIANCE			2.82	17.24	2427.82	0.39	0.57	2471.30	28.70	0.45
COEFF OF VARIATION			11.52	53.57	56.00	8.23	41.06	102.71	21.96	30.81
SUM OF VALUES			87.50	46.50	527.90	45.80	11.00	242.00	146.40	8.70
MEAN +2 STD DEV			17.94	16.05	186.53	8.69	3.34	147.82	35.12	3.52
MEAN -2 STD DEV			11.22	-0.55	-10.56	6.58	0.33	-51.02	13.68	0.83
GEO MEAN +2 STD DEV			18.38	24.09	274.67	9.01	4.09	303.41	39.83	3.62
GEO MEAN -2 STD DEV			11.44	1.65	20.59	6.43	0.71	2.66	14.23	1.16
SUM OF SQUARES			1290.15	446.57	58585.49	351.58	23.00	21598.00	3715.68	20.27

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL FBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/10/17	1150		12.0	2.1	23.0	7.2	2.0	23	29.6	
75/10/16	1540		11.5	6.0	64.7	7.3	3.0	28	27.0	
76/10/21	1535		10.8	4.3	45.7	7.4	4.0	77	27.2	1.7
77/10/12	1440		12.0	4.3	46.2	7.2	3.0	41	25.1	2.1
78/10/13	1134		12.5	7.6	80.4	7.8	2.0	5	20.9	7.7
79/10/16	1620		12.2	4.1	45.1	7.2	2.0	54	28.0	2.1
80/10/07	1705		12.5			8.0	1.0	45	27.3	1.2
NUMBER OF SAMPLES			7	6	6	7	7	7	7	5
MAXIMUM VALUE			12.50	7.60	80.40	8.00	4.00	77.00	28.00	7.75
MINIMUM VALUE			10.80	2.10	23.00	7.20	1.00	5.00	20.90	1.20
ARITHMETIC MEAN			11.93	4.73	50.85	7.44	2.43	39.00	26.16	2.97
GEOMETRIC MEAN			11.92	4.40	47.44	7.44	2.25	30.53	26.04	2.34
LOG/GEOMETRIC MEAN			2.48	1.48	3.86	2.01	0.81	3.42	3.26	0.85
MEDIAN			12.00	4.30	45.95	7.30	2.00	41.00	27.20	2.10
STANDARD DEV OF LOGS			0.05	0.44	0.43	0.04	0.45	0.85	0.10	0.71
STANDARD DEVIATION			0.60	1.87	19.61	0.32	0.98	23.25	2.49	2.70
VARIANCE			0.37	3.51	384.37	0.11	0.95	540.33	6.22	7.28
COEFF OF VARIATION			5.07	39.56	38.56	4.38	40.14	59.60	9.54	90.83
SUM OF VALUES			83.50	28.40	305.10	52.10	17.00	273.00	183.10	14.85
MEAN +2 STD DEV			13.14	8.48	96.86	8.04	4.38	85.49	31.15	8.37
MEAN -2 STD DEV			10.72	0.99	11.84	6.79	0.42	-7.49	21.17	-2.43
GEO MEAN +2 STD DEV			13.22	10.51	111.90	8.11	5.48	181.73	32.01	9.63
GEO MEAN -2 STD DEV			10.74	1.84	20.27	6.82	0.92	5.12	21.19	0.57
SUM OF SQUARES			998.23	151.96	17436.19	388.41	47.00	13869.00	4826.71	73.21

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL FBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/11/13	1440		11.9	4.5	49.0	6.9	3.0	30	27.2	
75/11/20	1115		7.5	11.4	104.1	8.2	2.0	14	15.1	
76/11/23	1600		9.5	6.1	63.2	7.0	1.0	41	27.4	2.4
77/11/08	1525		9.9	6.5	67.7	7.5	3.0	0	26.9	2.1
78/11/30	1510		4.0	7.2	72.7	7.5	11.0	5	28.3	1.0
79/11/15	1520		8.5	3.1	31.5	7.9	3.0	72	27.5	1.6
80/11/20	1445		6.4	8.7	84.0	7.7	3.0	45	27.1	
NUMBER OF SAMPLES			7	7	7	7	7	7	7	4
MAXIMUM VALUE			11.90	11.40	104.10	8.20	15.00	72.00	28.30	2.40
MINIMUM VALUE			6.40	3.11	31.50	6.90	1.00	0.00	15.10	1.00
ARITHMETIC MEAN			8.85	6.76	67.44	7.53	4.29	29.57	25.64	1.78
GEOMETRIC MEAN			8.66	6.31	63.08	7.52	3.05	7.55	25.16	1.69
LOG/GEOMETRIC MEAN			2.16	1.84	4.15	2.02	1.11	2.02	3.23	0.52
MEDIAN			8.50	6.50	67.70	7.50	3.00	30.00	27.20	1.85
STANDARD DEV OF LOGS			0.20	0.43	0.39	0.06	0.81	3.35	0.23	0.39
STANDARD DEVIATION			1.80	2.72	23.44	0.46	4.79	25.46	4.67	0.61
VARIANCE			3.25	7.40	549.27	0.22	22.90	648.29	21.81	0.38
COEFF OF VARIATION			20.45	40.09	34.74	6.17	111.67	86.10	18.21	34.54
SUM OF VALUES			61.70	47.51	472.20	52.70	30.00	207.00	179.50	7.10
MEAN +2 STD DEV			12.42	12.23	114.33	8.46	13.86	80.49	34.98	3.00
MEAN -2 STD DEV			5.21	1.35	20.58	6.60	-5.29	-21.35	16.30	0.55
GEO MEAN +2 STD DEV			12.99	14.77	138.16	8.51	15.46	6088.45	39.52	3.65
GEO MEAN -2 STD DEV			5.78	2.69	29.26	6.64	0.60	0.01	16.02	0.78
SUM OF SQUARES			563.33	366.87	35148.88	398.05	266.00	10011.00	4733.77	13.73

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00760 SWL FBI mg/l	70305 SALINITY CONDUCTVY g/l	00078 TRANSPAR SECCHI METERS
74/12/19	1150		8.0	8.1	80.6		2.0	38	26.3	
75/12/17	1440		7.5	9.5	87.2	7.5	4.0	0	16.0	
76/12/15	1405		9.5	3.8	39.6	6.3	1.0	3	28.3	
77/12/20	1445		6.6	10.9	87.9	7.5	4.0	5	14.4	
78/12/19	1105		7.8	7.0	70.4	7.6	2.0	5	29.0	3.0
79/12/12	1455		6.0	10.2	89.4	7.4	4.0	18	14.3	1.2
80/12/15	1240		6.0	8.9	83.3	7.6	2.0	5	22.1	1.5
NUMBER OF SAMPLES			7	7	7	6	7	7	7	3
MAXIMUM VALUE			9.50	10.20	89.40	7.60	4.00	38.00	29.00	3.00
MINIMUM VALUE			6.00	3.80	39.60	6.30	1.00	0.00	14.30	1.20
ARITHMETIC MEAN			7.31	8.21	76.97	7.30	2.71	11.43	23.51	1.90
GEOMETRIC MEAN			7.23	7.86	74.57	7.28	2.44	3.25	20.65	1.75
LOG/GEOMETRIC MEAN			1.98	2.06	4.31	1.99	0.89	1.18	3.03	0.56
MEDIAN			7.50	8.90	83.30	7.45	2.00	5.00	22.10	1.50
STANDARD DEV OF LOGS			0.10	0.35	0.29	0.07	0.52	2.98	0.31	0.48
STANDARD DEVIATION			1.25	2.24	17.66	0.50	1.25	12.97	6.46	0.96
VARIANCE			1.55	5.04	311.97	0.25	1.57	168.29	41.70	0.93
COEFF OF VARIATION			17.05	27.33	22.96	6.82	46.19	113.51	30.01	50.76
SUM OF VALUES			51.20	57.50	538.40	43.80	19.00	80.00	164.60	5.70
MEAN +2 STD DEV			9.81	12.73	112.24	8.30	5.22	37.37	34.43	3.83
MEAN -2 STD DEV			4.82	3.73	41.59	6.30	0.21	-14.52	8.60	-0.03
GEO MEAN +2 STD DEV			10.08	15.72	133.35	8.42	6.95	1209.29	38.56	4.56
GEO MEAN -2 STD DEV			5.18	3.93	41.21	6.31	0.85	0.01	11.07	0.67
SUM OF SQUARES			383.82	502.55	4322.18	320.98	61.00	1924.00	3490.24	12.69

Table 10 (Depth = 0 m)

PS0002 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PB1 mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
80/07/09	1530	0	10.8	8.5	88.5	7.9	1.0	34200	2708	24.0	9	1.5	0.05	0.01K	0.06	0.001	1.551	0.03	0.09
80/08/12	1510	0	16.7	8.9	105.4	7.9	1.0	40000	290	25.6	5	1.7	0.09	0.01K	0.06	0.001	2.412	0.04	0.09
80/09/08	1525	0	15.5	5.3	61.1	7.7	3.0	27800	510	25.0	36	1.8	0.23	0.01K	0.12	0.002	1.405	0.07	0.10
80/11/18	1420	0	12.0	6.5	71.5	7.4	2.0	33900	54008	28.5	41	2.0	0.34	0.01K	0.05	0.000	0.544	0.12	0.15
NUMBER OF SAMPLES			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MAXIMUM VALUE			16.70	8.90	105.40	7.90	3.00	40000.00	5400.00	28.50	41.00	2.00	0.34	0.01	0.12	0.002	2.412	0.12	0.15
MINIMUM VALUE			10.80	5.30	61.10	7.40	1.00	27800.00	270.00	24.00	5.00	1.50	0.05	0.01	0.05	0.000	0.544	0.03	0.09
ARITHMETIC MEAN			13.75	7.30	81.63	7.73	1.75	35725.00	1617.50	25.78	22.75	1.76	0.18	0.01	0.07	0.001	1.478	0.07	0.11
GEOMETRIC MEAN			13.53	7.14	79.90	7.72	1.57	35383.32	681.45	25.72	16.05	1.75	0.14	0.01	0.07	0.000	1.300	0.06	0.10
LOG/GEOMETRIC MEAN			2.61	1.97	4.38	2.04	0.45	10.47	6.52	3.25	2.78	0.56	-1.99	-4.61	-2.69	-5.757	0.263	-3.88	-2.25
MEDIAN			13.75	7.50	80.00	7.80	1.50	37550.00	400.00	25.30	22.50	1.78	0.16	0.01	0.06	0.001	1.478	0.06	0.10
STANDARD DEV OF LOGS			0.21	0.24	0.24	0.03	0.54	0.16	1.41	0.07	1.04	0.12	0.87	0.00	0.39	1.868	0.627	0.61	0.24
STANDARD DEVIATION			2.40	1.70	19.46	0.24	0.96	5436.07	2524.01	1.93	18.37	0.21	0.13	0.00	0.03	0.001	0.765	0.04	0.03
VARIANCE			7.34	2.88	378.77	0.06	0.92	######1.##	######.##	3.74	337.58	0.04	0.02	0.00	0.00	0.000	0.585	0.00	0.00
COEFF OF VARIATION			20.37	23.25	23.84	3.06	54.71	15.21	156.04	7.50	80.76	11.67	74.94	0.00	44.16	81.650	51.755	62.18	26.72
SUM OF VALUES			55.00	29.20	326.50	30.90	7.00	142900.00	6470.00	103.10	91.00	7.05	0.71	0.04	0.29	0.004	5.912	0.26	0.43
MEAN +2 STD DEV			19.35	10.69	120.55	8.20	3.66	46593.15	6665.52	29.64	59.50	2.17	0.44	0.01	0.14	0.003	3.008	0.15	0.16
MEAN -2 STD DEV			8.15	3.91	42.70	7.25	-0.16	24856.85	-3430.52	21.91	-14.00	1.35	-0.09	0.01	0.01	-0.001	-0.052	-0.02	0.05
GEO MEAN +2 STD DEV			20.46	11.61	128.88	8.21	4.64	49133.73	11409.06	29.79	127.77	2.22	0.79	0.01	0.15	0.133	4.554	0.19	0.17
GEO MEAN -2 STD DEV			8.95	4.40	49.53	7.26	0.53	25480.54	40.70	22.21	2.02	1.38	0.02	0.01	0.03	0.000	0.371	0.02	0.06
SUM OF SQUARES			779.18	221.80	27786.87	238.87	15.00	######1.##	######.##	2668.61	3083.00	12.55	0.18	0.00	0.02	0.000	10.493	0.02	0.05

Table 10, continued (Depth = 10 m)

P55008 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70305 SALINITY CONDUCTVT g/l	00760 SWL PDI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
80/07/09	1535	10	12.5	7.3	80.9	8.2	1.0	44100	28.2	0	0.21	0.01K	0.05	0.002	3.462	0.05	0.08
80/08/12	1515	10	15.1	8.3	96.4	8.0	1.0	41300	27.4	0	0.12	0.01K	0.04	0.001	2.685	0.04	0.09
80/09/08	1530	10	13.3	5.2	58.7	7.8	1.0	30200	28.5	5	0.29	0.01K	0.03	0.000	1.495	0.06	0.10
80/11/18	1425	10	11.3	6.6	72.2	7.6	1.0	32800	29.8	9	0.37	0.01K	0.01K	0.000K	0.814K	0.07	0.08
NUMBER OF SAMPLES			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MAXIMUM VALUE			15.10	8.30	96.40	8.20	1.00	44100.00	29.80	9.00	0.37	0.01	0.05	0.002	3.462	0.07	0.10
MINIMUM VALUE			11.30	5.20	58.70	7.60	1.00	30200.00	27.40	0.00	0.12	0.01	0.01	0.000	0.814	0.04	0.08
ARITHMETIC MEAN			13.05	6.85	77.05	7.90	1.00	38550.00	28.48	3.50	0.25	0.01	0.03	0.001	2.114	0.06	0.09
GEOMETRIC MEAN			12.98	6.75	75.82	7.90	1.00	38172.07	28.46	0.58	0.23	0.01	0.03	0.008	1.834	0.05	0.09
LOG/GEOMETRIC MEAN			2.56	1.91	4.33	2.07	0.00	10.55	3.35	-0.55	-1.48	-4.61	-3.53	-4.779	0.606	-2.92	-2.44
MEDIAN			12.90	6.95	76.55	7.90	1.00	39950.00	28.35	2.50	0.25	0.01	0.04	0.001	2.090	0.06	0.09
STANDARD DEV OF LOGS			0.12	0.20	0.21	0.03	0.00	0.17	0.03	2.84	0.49	0.00	0.71	2.077	0.646	0.24	0.11
STANDARD DEVIATION			1.59	1.30	15.81	0.26	0.00	6002.50	1.00	4.36	0.11	0.00	0.02	0.001	1.186	0.01	0.01
VARIANCE			2.54	1.70	249.83	0.07	0.00	######.##	1.00	19.00	0.01	0.00	0.00	0.000	1.405	0.00	0.00
COEFF OF VARIATION			12.22	19.02	20.51	3.27	0.00	15.57	3.50	124.54	43.31	0.00	51.55	127.857	56.079	23.47	10.94
SUM OF VALUES			52.20	27.40	308.20	31.60	4.00	154200.00	113.90	14.00	0.99	0.04	0.13	0.003	8.456	0.22	0.35
MEAN +2 STD DEV			16.24	9.46	108.66	8.42	1.00	50555.00	30.47	12.22	0.46	0.01	0.07	0.003	4.485	0.08	0.11
MEAN -2 STD DEV			9.86	4.24	45.44	7.38	1.00	26545.00	26.48	-5.22	0.03	0.01	0.00	-0.001	-0.257	0.03	0.07
GEO MEAN +2 STD DEV			16.54	10.03	114.93	8.43	1.00	53135.75	30.52	169.42	0.60	0.01	0.12	0.535	6.671	0.09	0.11
GEO MEAN -2 STD DEV			10.18	4.55	50.02	7.40	1.00	27422.35	26.55	0.00	0.09	0.01	0.01	0.000	0.504	0.03	0.07
SUM OF SQUARES			688.84	192.78	24496.30	249.84	4.00	######.##	3246.29	106.00	0.28	0.00	0.01	0.000	22.092	0.01	0.03

Table 10, continued (Depth = 0 m)

PSS008 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PG1 mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
81/05/26	1400	0	13.5	11.0	118.7	8.2	3.0	25600	3308	20.8		1.8	0.03	0.01K	0.03	0.001	3.728	0.01K	0.02
81/06/16	1445	0	13.5	10.1	107.5	8.0	2.0	23800	110	18.6	18		0.06	0.01K	0.05	0.001	2.385	0.01	0.02
81/07/27	1420	0				8.1	1.0	26800	74	21.5	5	3.0	0.01	0.01K	0.02			0.01	0.03
81/08/18	1420	0	13.0	7.1	79.4	8.3	1.0	28800	78	25.4	9	3.5	0.01K	0.01K	0.02	0.001	4.481	0.01K	0.04
81/09/14	1410	0	15.0			8.2	2.0	33500	48	26.9	5	2.0	0.01	0.01K	0.08	0.003	4.160	0.02	0.07
81/10/21	1435	0	12.0	7.6	81.9	7.7	1.0	29300	1108	25.4	0	2.5	0.31	0.01	0.05	0.001	1.079	0.07	0.08
81/11/03	1455	0	11.0	8.2	87.0	7.8	2.0	32000	9208	26.2	27	1.8	0.29	0.01	0.03	0.000	1.255	0.06	0.07
NUMBER OF SAMPLES			6	5	5	7	7	7	7	7	6	6	7	7	7	6	6	7	7
MAXIMUM VALUE			15.00	11.00	118.70	8.30	3.00	33500.00	920.00	26.90	27.00	3.50	0.31	0.01	0.08	0.003	4.481	0.07	0.08
MINIMUM VALUE			11.00	7.10	79.40	7.70	1.00	23800.00	4.00	18.60	0.00	1.80	0.01	0.01	0.02	0.000	1.079	0.01	0.02
ARITHMETIC MEAN			13.00	8.80	94.90	8.04	1.71	28542.86	222.14	23.54	10.67	2.43	0.10	0.01	0.04	0.001	2.848	0.03	0.05
GEOMETRIC MEAN			12.94	8.68	93.69	8.04	1.57	28364.32	69.22	23.35	4.20	2.35	0.04	0.01	0.04	0.002	2.465	0.02	0.04
LOG/GEOMETRIC MEAN			2.56	2.16	4.54	2.08	0.45	10.25	4.24	3.15	1.43	0.86	-3.22	-4.61	-3.34	-6.073	0.902	-3.97	-3.20
MEDIAN			13.25	8.20	87.00	8.10	2.00	28800.00	110.00	25.40	7.00	2.25	0.03	0.01	0.03	0.001	3.057	0.01	0.04
STANDARD DEV OF LOGS			0.11	0.19	0.18	0.03	0.45	0.12	1.96	0.14	2.27	0.28	1.53	0.00	0.52	1.569	0.623	0.88	0.60
STANDARD DEVIATION			1.38	1.67	17.30	0.22	0.76	3448.60	326.50	3.20	10.01	0.70	0.14	0.00	0.02	0.001	1.486	0.03	0.03
VARIANCE			1.90	2.80	299.22	0.05	0.57	######.##	106601.48	10.23	100.27	0.49	0.02	0.00	0.00	0.000	2.209	0.00	0.00
COEFF OF VARIATION			10.60	19.03	18.23	2.77	44.10	12.08	146.98	13.58	93.87	28.79	132.20	6.00	54.01	84.274	52.184	96.81	54.38
SUM OF VALUES			78.00	44.00	474.50	56.30	12.00	199800.00	1555.00	164.80	64.00	14.60	0.72	0.07	0.28	0.003	5.820	0.08	0.10
MEAN +2 STD DEV			15.76	12.15	129.50	8.49	3.23	35440.06	875.14	29.94	30.69	3.83	0.37	0.01	0.08	0.003	-0.124	-0.03	0.00
MEAN -2 STD DEV			10.24	5.45	60.30	7.60	0.20	21645.65	-430.85	17.15	-9.36	1.03	-0.17	0.01	0.00	-0.001	8.572	0.11	0.15
GEO MEAN +2 STD DEV			16.03	12.62	133.59	8.50	3.86	36139.89	3457.44	30.96	396.84	4.12	0.36	0.01	0.10	0.053	0.709	0.00	0.01
GEO MEAN -2 STD DEV			10.44	5.97	65.71	7.60	0.64	22261.68	1.39	17.61	0.04	1.35	0.00	0.01	0.01	0.000	59.710	0.01	0.02
SUM OF SQUARES			1023.50	398.42	46226.91	453.11	24.00	######.##	985041.00	3941.22	1184.00	37.98	0.19	0.00	0.01	0.000	59.710	0.01	0.02

Table 10, continued (Depth = 10 m)

PSS003 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00095 CONDUCTIVY @ 25 C MICROMHOS	70303 SALINITY CONDUCTIVY g/l	00760 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
81/05/26	1405	10	11.1	9.4	102.0	7.8	1.0	3340	29.2		0.34	0.01K	0.01K	0.000K	1.265K	0.04	0.05
81/06/16	1450	10	12.0	8.8	96.3	7.9	16.0	33400	27.8	5	0.21	0.01K	0.06	0.001	1.700	0.04	0.08
81/07/27	1425	10				7.8	3.0	33900	29.3	5	0.22	0.01K	0.01			0.02	0.05
81/08/18	1425	10	10.5	5.4	49.5	7.8	1.0	32500	27.4	9	0.17	0.01	0.04	0.000	1.208	0.06	0.07
81/09/15	1415	10	12.5			7.7	2.0	36000	29.5	0	0.29	0.01K	0.03	0.000	1.121	0.05	0.07
81/10/21	1440	10	11.5	6.2	68.3	7.7	1.0	33700	30.3	0	0.34	0.01	0.03	0.001	1.039	0.07	0.08
81/11/03	1500	10	11.6	7.6	82.7	7.8	1.0	32400	28.1	86	0.31	0.01	0.10	0.001	1.314	0.07	0.09
NUMBER OF SAMPLES			6	5	5	7	7	7	7	6	7	7	7	6	6	7	7
MAXIMUM VALUE			12.50	9.40	102.00	7.90	16.00	36000.00	30.30	86.00	0.34	0.01	0.10	0.001	1.700	0.07	0.09
MINIMUM VALUE			10.50	5.40	49.50	7.70	1.00	3340.00	27.30	0.00	0.17	0.01	0.01	0.000	1.039	0.02	0.05
ARITHMETIC MEAN			11.53	7.48	79.76	7.79	3.57	29320.00	29.09	17.50	0.27	0.01	0.04	0.001	1.275	0.05	0.07
GEOMETRIC MEAN			11.52	7.32	77.22	7.79	1.92	24178.88	29.07	1.91	0.26	0.01	0.03	0.007	1.259	0.05	0.07
LOG/GEOMETRIC MEAN			2.44	1.99	4.35	2.05	0.65	10.09	3.37	0.65	-1.34	-4.61	-3.44	-4.953	0.230	-3.07	-2.65
MEDIAN			11.55	7.60	82.70	7.80	1.00	33400.00	29.30	5.00	0.29	0.01	0.04	0.001	1.237	0.05	0.08
STANDARD DEV OF LOGS			0.06	0.23	0.29	0.01	1.05	0.37	0.03	3.01	0.37	0.00	0.33	2.142	0.170	0.44	0.25
STANDARD DEVIATION			0.69	1.69	21.35	0.07	5.51	11518.02	0.86	33.73	0.07	0.00	0.03	0.001	0.231	0.02	0.02
VARIANCE			0.48	2.85	455.96	0.00	30.62	######.##	0.74	1137.90	0.00	0.00	0.00	0.000	0.053	0.00	0.00
COEFF OF VARIATION			6.02	22.58	26.77	0.89	154.94	39.28	2.95	192.78	25.38	0.00	73.43	107.545	18.102	38.51	23.39
SUM OF VALUES			69.20	37.40	398.80	54.50	25.00	205240.00	203.60	105.00	1.88	0.07	0.30	0.003	7.647	0.35	0.51
MEAN +2 STD DEV			12.92	10.86	122.47	7.92	14.64	52356.04	30.80	84.97	0.40	0.01	0.11	0.002	1.736	0.09	0.11
MEAN -2 STD DEV			10.14	4.10	37.05	7.65	-7.50	6283.96	27.37	-49.97	0.13	0.01	-0.02	-0.001	0.813	0.01	0.04
GEO MEAN +2 STD DEV			13.00	11.68	138.79	7.92	15.14	138744.94	30.85	786.12	0.45	0.01	0.14	0.512	1.768	0.11	0.12
GEO MEAN -2 STD DEV			10.20	4.59	42.97	7.65	0.24	4213.62	27.40	0.00	0.15	0.01	0.01	0.000	0.896	0.02	0.04
SUM OF SQUARES			800.52	291.16	33632.12	424.35	273.00	######.##	5726.28	7527.00	0.53	0.00	0.02	0.000	10.012	0.02	0.04

Table 10, continued (Depth = 0 m)

PSS000 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 IN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
82/04/26	1445	0	10.8	13.3L	136.9L	8.6	5.0	27630	28	22.2	0	2.3	0.01	0.01K	0.04	0.003	7.318	0.01K	0.02
82/05/17	1400	0	12.2	11.3	115.6	8.2	2.0	20830	46	16.6	5	2.0	0.04	0.01K	0.04	0.001	3.385	0.01	0.02
82/06/21	1435	0	16.5	9.8	108.6	8.2	4.0	18200	31	15.4	9	1.5	0.01K	0.01K	0.02	0.001	4.634	0.01	0.04
82/07/27	1445	0	17.5	7.6	88.0	8.1	1.0	24100	68	19.5	0	5.0	0.01	0.01K	0.03	0.001	3.993	0.01	0.04
82/08/16	1520	0	15.5	8.4	96.6	7.9	1.0	29000	808	24.7	9	4.0	0.16	0.01K	0.02	0.002	2.209	0.03	0.06
82/09/21	1440	0	13.6	7.6	84.7	8.1	1.0	30000	128	25.6	5	3.5	0.13	0.01K	0.02	0.001	3.006	0.03	0.04
82/10/27	1455	0				7.8	3.0	30100	158	29.5	0	6.0	0.30	0.02	0.03			0.05	0.06
82/11/15	1410	0	9.7	7.9	82.0	7.6	2.0	29100	130L	27.1	41	2.0	0.28	0.01	0.3[illegible]	0.002	0.719	0.08	0.09
NUMBER OF SAMPLES			7	7	7	8	8	8	8	8	8	8	8	8	8	7	7	8	8
MAXIMUM VALUE			17.50	13.30	136.90	8.60	5.00	30100.00	130.00	29.50	41.00	6.00	0.30	0.02	0.34	0.003	7.318	0.08	0.09
MINIMUM VALUE			9.70	7.60	82.00	7.60	1.00	18200.00	2.00	15.40	0.00	1.50	0.01	0.01	0.02	0.001	0.719	0.01	0.02
ARITHMETIC MEAN			13.69	9.41	101.77	8.06	2.38	26112.50	40.25	22.58	8.63	3.29	0.12	0.01	0.07	0.002	3.609	0.03	0.05
GEOMETRIC MEAN			13.41	9.22	100.21	8.06	1.98	25726.46	20.57	22.05	1.34	2.95	0.05	0.01	0.04	0.001	3.000	0.02	0.04
LOG/GEOMETRIC MEAN			2.60	2.22	4.61	2.09	0.69	10.16	3.02	3.09	0.29	1.08	-2.93	-4.52	-3.18	-6.553	1.079	-3.87	-3.19
MEDIAN			13.60	8.40	96.60	8.10	2.00	28300.00	23.00	23.45	5.00	2.90	0.09	0.01	0.04	0.001	3.385	0.02	0.04
STANDARD DEV OF LOGS			0.22	0.22	0.19	0.04	0.65	0.19	1.38	0.24	2.80	0.50	1.52	0.25	0.96	0.463	0.752	0.84	0.53
STANDARD DEVIATION			2.95	2.19	19.88	0.30	1.51	4557.08	44.44	5.06	13.62	1.62	0.12	0.00	0.11	0.001	2.069	0.03	0.02
VARIANCE			8.70	4.78	395.10	0.09	2.27	########	1975.07	25.55	185.41	2.62	0.01	0.00	0.01	0.000	4.280	0.00	0.00
COEFF OF VARIATION			21.55	23.24	19.53	3.75	53.41	17.45	110.41	22.39	157.87	49.22	102.91	31.43	150.87	50.069	57.322	88.07	50.29
SUM OF VALUES			95.80	65.90	712.40	64.50	19.00	208900.00	322.00	180.60	69.00	26.30	0.94	0.09	0.58	0.011	25.264	0.23	0.37
MEAN +2 STD DEV			19.54	13.79	141.53	8.67	5.39	35226.66	179.13	32.69	35.86	6.52	0.36	0.02	0.29	0.003	7.747	0.08	0.09
MEAN -2 STD DEV			7.74	5.04	62.02	7.46	-0.64	16998.34	-48.63	12.46	-18.61	0.05	-0.13	0.00	-0.15	0.000	-0.529	-0.02	0.00
GEO MEAN +2 STD DEV			20.96	14.27	145.80	8.68	7.23	37598.80	327.32	35.29	362.49	7.97	1.15	0.02	0.28	0.004	12.971	0.11	0.12
GEO MEAN -2 STD DEV			8.60	5.95	68.87	7.48	0.54	17602.97	1.29	13.78	0.00	1.07	0.00	0.01	0.01	0.001	0.694	0.00	0.01
SUM OF SQUARES			1363.25	649.11	74872.58	520.67	61.00	######.##	26786.00	4255.92	1893.00	104.79	0.21	0.00	0.13	0.000	116.882	0.01	0.02

Table 10, continued (Depth = 10 m)

P55003 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70300 SALINITY CONDUCTVT g/l	00760 SWL PDI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
82/04/26	1450	10	8.6	9.4	98.3	7.9	2.0	33400	28.5	0	0.23	0.01	0.07	0.001	1.308	0.04	0.06
82/05/17	1400	10	9.0	8.7	90.2	7.8	4.0	33500	29.0	5	0.20	0.01	0.06	0.001	1.075	0.04	0.05
82/06/21	1440	10	11.0	8.4	90.6	7.9	2.0	30300	28.7	5	0.15	0.01	0.07	0.001	1.575	0.04	0.06
82/07/27	1450	10	15.0	7.4	86.6	7.8	1.7	32500	28.4	5	0.18	0.01	0.10	0.002	1.699	0.05	0.08
82/08/18	1525	10	12.5	7.1	78.9	7.8	2.0	32400	28.5	5	0.23	0.01	0.07	0.001	1.408	0.05	0.06
82/09/21	1445	10	11.8	6.5	71.4	7.9	1.9	32800	28.9	5	0.25	0.01	0.04	0.001	1.674	0.04	0.06
82/10/27	1500	10				7.8	3.0	30700	29.3	5	0.32	0.02	0.04			0.05	0.08
82/11/15	1415	10	10.3	7.2	77.4	7.8	2.0	31600	30.3	0	0.31	0.01	0.01	0.000	1.189	0.06	0.07
NUMBER OF SAMPLES			7	7	7	8	8	8	8	8	8	8	8	7	7	8	8
MAXIMUM VALUE			15.00	9.40	96.30	7.90	4.00	33500.00	30.30	5.00	0.32	0.02	0.10	0.002	1.699	0.06	0.08
MINIMUM VALUE			8.60	6.50	71.40	7.80	1.00	30700.00	28.50	0.00	0.15	0.01	0.01	0.000	1.075	0.04	0.05
ARITHMETIC MEAN			11.17	7.81	84.49	7.84	2.13	32262.50	29.08	3.75	0.23	0.01	0.06	0.001	1.418	0.05	0.07
GEOMETRIC MEAN			10.99	7.76	84.08	7.84	1.93	32245.77	29.07	1.58	0.23	0.01	0.05	0.002	1.400	0.05	0.07
LOG/GEOMETRIC MEAN			2.40	2.05	4.43	2.06	0.68	10.38	3.37	0.46	-1.48	-4.52	-2.95	-6.250	0.337	-3.08	-2.71
MEDIAN			11.00	7.40	86.60	7.80	2.00	32600.00	28.90	5.00	0.23	0.01	0.07	0.001	1.408	0.05	0.07
STANDARD DEV OF LOGS			0.19	0.13	0.11	0.01	0.48	0.03	0.02	2.13	0.26	0.25	0.76	1.457	0.175	0.16	0.18
STANDARD DEVIATION			2.20	1.04	8.82	0.05	0.99	1105.75	0.64	2.31	0.06	0.00	0.03	0.001	0.242	0.01	0.01
VARIANCE			4.82	1.07	77.79	0.00	0.98	######.##	0.41	5.36	0.00	0.00	0.00	0.000	0.059	0.00	0.00
COEFF OF VARIATION			19.66	13.25	10.44	0.66	46.64	3.43	2.21	61.72	25.35	51.43	49.68	57.755	17.064	16.09	17.26
SUM OF VALUES			78.20	54.70	591.40	62.70	17.00	258100.00	232.60	30.00	1.87	0.09	0.50	0.007	9.928	0.37	0.54
MEAN +2 STD DEV			15.58	9.88	102.13	7.94	4.11	34474.00	30.36	8.38	0.35	0.02	0.12	0.003	1.902	0.06	0.09
MEAN -2 STD DEV			6.78	5.74	66.85	7.73	0.14	30051.00	27.79	-0.88	0.12	0.00	0.00	0.000	0.934	0.03	0.04
GEO MEAN +2 STD DEV			16.16	10.08	103.94	7.94	5.01	34549.94	30.37	112.51	0.38	0.02	0.24	0.038	1.988	0.06	0.09
GEO MEAN -2 STD DEV			7.48	5.97	68.02	7.73	0.74	30095.37	27.83	0.02	0.14	0.01	0.01	0.000	0.986	0.03	0.05
SUM OF SQUARES			902.54	433.87	50431.58	491.43	43.00	########.##	6765.74	150.00	0.46	0.00	0.04	0.000	14.432	0.02	0.04

Table 10, continued (Depth = 0 m)

PSS008 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SVL PH mg/l	00038 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
83/04/18	1355	0	12.1	13.1	138.4	8.2	3.0	26000	68	22.1	0	3.0	0.05	0.01K	0.02	0.001	3.360	0.02	0.05
83/05/23	1335	0	14.2	12.1	133.0	8.3	3.0	24900	16008	21.5	14	2.0	0.01K	0.01	0.01	0.000	4.891	0.01K	0.03
83/06/27	1140	0	15.5	8.9	99.9	8.0	1.0	24300	44	20.7	9	3.5	0.05	0.01K	0.02	0.001	2.765	0.01	0.03
83/07/19	1435	0	15.6	9.4	104.2	7.9	1.0	26700	280	18.4	0	3.0	0.09	0.01K	0.04	0.001	2.225	0.02	0.04
83/08/23	1420	0	16.0	9.0	105.1	8.1	3.0	35500	6800	25.6	0	2.5	0.02	0.01K	0.02	0.001	3.584	0.02	0.06
83/09/26	1505	0	14.1	8.0	91.0	7.9	1.0	38000	4008	27.3	0	2.9	0.22	0.01K	0.02	0.000	1.991	0.04	0.05
83/10/26	1440	0	12.5	7.1	78.6	7.4	1.0	38200	19008	27.9	13	2.0	0.29	0.01K	0.24	0.001	0.565	0.10	0.10
83/11/14	1440	0	10.6			7.5	3.0	33700	200	25.0	32	1.3	0.34	0.01K	0.12	0.001	0.614	0.08	0.08
NUMBER OF SAMPLES			8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			16.00	13.10	138.40	8.30	3.00	38200.00	1900.00	27.90	32.00	3.50	0.34	0.01	0.24	0.001	4.891	0.10	0.10
MINIMUM VALUE			10.60	7.10	78.60	7.40	1.00	24300.00	6.00	18.40	0.00	1.30	0.01	0.01	0.01	0.000	0.565	0.01	0.03
ARITHMETIC MEAN			13.83	9.66	107.17	7.91	2.00	30912.50	607.25	23.56	8.50	2.53	0.13	0.01	0.06	0.001	2.499	0.04	0.06
GEOMETRIC MEAN			13.70	9.46	105.35	7.91	1.73	30400.05	182.35	23.35	0.87	2.42	0.07	0.01	0.03	0.003	1.994	0.03	0.05
LOG/GEOMETRIC MEAN			2.62	2.25	4.66	2.07	0.55	10.32	5.21	3.15	-0.14	0.88	-2.59	-4.61	-3.38	-5.930	0.690	-3.62	-2.98
MEDIAN			14.15	9.00	104.20	7.95	2.00	30200.00	300.00	23.55	4.50	2.70	0.07	0.01	0.02	0.001	2.495	0.02	0.05
STANDARD DEV OF LOGS			0.15	0.22	0.20	0.04	0.59	0.23	2.06	0.15	3.07	0.32	1.28	0.00	1.07	1.810	0.803	0.87	0.43
STANDARD DEVIATION			1.93	2.17	21.55	0.32	1.07	6022.63	745.00	3.39	11.29	0.72	0.13	0.00	0.08	0.000	1.480	0.03	0.02
VARIANCE			3.72	4.70	464.36	0.10	1.14	######.##	555019.36	11.46	127.43	0.51	0.02	0.00	0.01	0.000	2.191	0.00	0.00
COEFF OF VARIATION			13.95	22.44	20.11	4.02	53.45	19.48	122.68	14.37	132.81	28.38	97.31	0.00	131.32	61.721	59.224	90.99	44.54
SUM OF VALUES			110.60	67.60	750.20	63.30	16.00	247300.00	4858.00	188.50	68.00	20.20	1.07	0.08	0.49	0.006	19.995	0.30	0.44
MEAN +2 STD DEV			17.68	13.99	150.27	8.55	4.14	42957.86	2097.24	30.33	31.08	3.96	0.39	0.01	0.22	0.002	5.460	0.11	0.10
MEAN -2 STD DEV			9.97	5.32	64.07	7.28	-0.14	18867.14	-882.74	16.79	-14.08	1.09	-0.13	0.01	-0.10	0.000	-0.461	-0.03	0.01
GEO MEAN +2 STD DEV			18.32	14.61	157.03	8.58	5.61	44957.24	11265.13	31.30	406.92	4.60	0.96	0.01	0.29	0.099	9.945	0.15	0.12
GEO MEAN -2 STD DEV			10.24	6.13	70.68	7.29	0.54	20556.50	2.95	17.41	0.00	1.28	0.01	0.01	0.00	0.000	0.400	0.00	0.02
SUM OF SQUARES			1555.08	681.00	83186.18	501.57	40.00	######.##	######.##	4521.77	1470.00	54.60	[illegible]	0.00	0.08	0.000	65.313	0.02	0.03

Table 10, continued (Depth = 10 m)

P35003 PORT GARDNER BAY AT PIER 3

DATE FROM 10	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70305 SALINITY CONDUCTVT g/l	00760 SWL PB1 mg/l	00620 NITRATE 1 NO3-N mg/l	00615 NITRITE 1 NO2-N mg/l	00610 AMMONIA 1 NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
83/04/18	1400	10	9.5	11.0	114.9	7.8	1.0	32200	28.5	0	0.28	0.01	0.03	0.000	1.118	0.06	0.08
83/05/23	1340	10	11.0	9.9	106.9	7.9	1.0	32000	28.8	5	0.19	0.01	0.03	0.000	1.575	0.02	0.04
83/06/27	1145	10	13.0	7.5	83.3	7.8	2.0	29500	26.9	14	0.14	0.01K	0.06	0.001	1.462	0.04	0.06
83/07/19	1440	10	11.9	7.9	87.3	7.9	1.0	40000	29.5	0	0.23	0.01K	0.03	0.000	1.687	0.03	0.04
83/08/23	1425	10	13.0	7.5	85.0	7.8	2.0	40400	29.9	0	0.30	0.01K	0.01K	0.000K	1.462K	0.04	0.04
83/09/22	1510	10	13.4	5.7	65.1	7.8	1.0	41000	30.0	0	0.26	0.01K	0.02	0.000	1.507	0.05	0.05
83/10/26	1445	10	12.0	6.5	72.3	7.1	1.0	40500	30.1	9	0.32	0.01K	0.02	0.000	0.273	0.04	0.05
83/11/14	1445	10	11.0			7.7	2.0	39400	29.7	9	0.35	0.01K	0.01K	0.000K	1.000K	0.05	0.05
NUMBER OF SAMPLES			8	7	7	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			13.40	11.00	114.90	7.90	2.00	41000.00	30.10	14.00	0.35	0.01	0.03	0.001	1.687	0.06	0.08
MINIMUM VALUE			9.50	5.70	65.10	7.10	1.00	29500.00	26.90	0.00	0.14	0.01	0.01	0.000	0.273	0.02	0.04
ARITHMETIC MEAN			11.85	8.00	87.83	7.73	1.38	38875.00	29.18	4.63	0.25	0.01	0.03	0.000	1.261	0.04	0.05
GEOMETRIC MEAN			11.78	7.82	86.35	7.72	1.30	38591.11	29.16	0.86	0.24	0.01	0.02	0.031	1.128	0.04	0.05
LOG/GEOMETRIC MEAN			2.47	2.06	4.46	2.04	0.26	10.51	3.37	-0.42	-1.44	-4.61	-3.90	-3.486	0.120	-3.24	-3.00
MEDIAN			11.95	7.50	85.00	7.80	1.00	39700.00	29.60	2.50	0.25	0.01	0.02	0.000	1.462	0.04	0.05
STANDARD DEV OF LOGS			0.11	0.23	0.20	0.03	0.26	0.15	0.04	2.77	0.30	0.00	0.73	1.382	0.600	0.34	0.24
STANDARD DEVIATION			1.31	1.86	17.72	0.26	0.52	4761.98	1.08	5.50	0.07	0.00	0.02	0.000	0.461	0.01	0.01
VARIANCE			1.72	3.44	313.85	0.07	0.27	********	1.17	30.27	0.00	0.00	0.00	0.000	0.212	0.00	0.00
COEFF OF VARIATION			11.07	23.20	20.17	3.37	37.64	12.91	3.71	118.95	28.46	0.00	88.61	282.843	36.554	30.22	26.46
SUM OF VALUES			94.80	56.00	614.80	61.80	11.00	295000.00	233.40	37.00	1.97	0.08	0.21	0.001	10.084	0.33	0.41
MEAN +2 STD DEV			14.47	11.71	123.28	8.25	2.41	48378.95	31.34	15.63	0.39	0.01	0.07	0.001	2.182	0.07	0.08
MEAN -2 STD DEV			9.23	4.29	52.40	7.20	0.34	29351.05	27.01	-6.38	0.11	0.01	-0.03	-0.001	0.339	0.02	0.02
GEO MEAN +2 STD DEV			14.82	12.32	128.81	8.28	2.68	47912.30	31.46	167.97	0.43	0.01	0.07	0.486	3.743	0.08	0.08
GEO MEAN -2 STD DEV			9.37	4.97	57.86	7.20	0.63	27944.71	27.02	0.00	0.13	0.01	0.00	0.002	0.340	0.02	0.03
SUM OF SQUARES			1135.42	468.86	55880.10	477.88	17.00	**********	6817.66	383.00	0.52	0.00	0.01	0.000	14.197	0.01	0.02

Table 10, continued (Depth = 0 m)

PSS008 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00073 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
84/04/10	1420	0	9.3	12.7	130.3	8.0	3.0	34400	248J	25.0	0	3.1	0.15	0.01K	0.02	0.000	1.801	0.05	0.06
84/05/14	1315	0	12.3	10.4	109.8	7.8	2.0	32300	1000J	22.3	5	3.5	0.22	0.01K	0.06	0.001	1.355	0.05	0.11
84/06/11	1400	0	14.1	9.3	98.6	7.8	2.0	23500	37J	16.0	5	3.0	0.09	0.01K	0.06	0.001	1.588	0.02	0.07
84/07/16	1355	0	19.3	9.6	115.2	8.0	1.0	29300	2J	20.5	0	4.9	0.02	0.01K	0.03	0.001	3.560	0.01	0.05
84/08/13	1410	0	16.2	8.9	104.1	7.9	1.0	31800	77J	25.2	0	3.5	0.08	0.01K	0.04	0.001	2.326	0.02	0.04
84/09/10	1415	0	14.5	8.0	91.3	7.8	1.0	37300	41	26.6	18	3.5	0.22	0.01K	0.04	0.001	1.636	0.05	0.07
84/10/16	1435	0	12.0	7.6	83.0	7.6	2.0	33000	1800J	27.5	5	2.5	0.30	0.01K	0.10	0.001	0.859	0.08	0.12
84/11/13	1425	0	9.5	9.3	89.6	7.7	2.0	29800	46J	16.4		1.7	0.38	0.01K	0.03	0.000	0.890	0.04	0.06
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8
MAXIMUM VALUE			19.00	12.70	130.30	8.00	3.00	37300.00	1800.00	27.50	18.00	4.00	0.38	0.01	0.10	0.001	3.560	0.08	0.12
MINIMUM VALUE			9.50	7.60	83.00	7.60	1.00	23500.00	2.00	16.00	0.00	1.70	0.02	0.01	0.02	0.000	0.859	0.01	0.04
ARITHMETIC MEAN			13.39	9.48	102.74	7.83	1.75	31387.50	406.38	22.44	5.29	3.10	0.18	0.01	0.05	0.001	1.752	0.04	0.07
GEOMETRIC MEAN			13.05	9.37	101.75	7.82	1.62	31137.65	91.23	22.02	0.91	3.01	0.14	0.01	0.04	0.003	1.587	0.03	0.07
LOG/GEOMETRIC MEAN			2.57	2.24	4.62	2.06	0.48	10.35	4.51	3.09	-0.10	1.10	-1.99	-4.61	-3.16	-5.930	0.462	-3.46	-2.69
MEDIAN			13.45	9.30	101.35	7.80	2.00	31900.00	61.50	23.65	5.00	3.30	0.19	0.01	0.04	0.001	1.812	0.04	0.07
STANDARD DEV OF LOGS			0.24	0.16	0.15	0.02	0.42	0.14	2.14	0.21	2.75	0.27	0.95	0.00	0.51	1.810	0.471	0.66	0.37
STANDARD DEVIATION			3.23	1.57	15.48	0.14	0.71	4076.51	653.72	4.45	6.58	0.72	0.12	0.00	0.03	0.000	0.873	0.02	0.03
VARIANCE			10.43	2.48	239.55	0.02	0.50	******.**	427353.98	19.83	43.24	0.52	0.01	0.00	0.00	0.000	0.763	0.00	0.00
COEFF OF VARIATION			24.12	16.62	15.06	1.77	40.41	12.98	160.87	19.85	124.40	23.20	66.19	0.00	53.67	61.721	49.852	60.05	38.84
SUM OF VALUES			107.10	75.80	821.90	62.60	14.00	251100.00	3251.00	179.50	37.00	24.80	1.46	0.08	0.38	0.006	14.015	0.30	0.58
MEAN +2 STD DEV			19.35	12.62	133.69	8.10	3.16	39538.53	1713.82	31.34	18.44	4.54	0.42	0.01	0.10	0.002	3.499	0.08	0.13
MEAN -2 STD DEV			6.93	6.33	71.78	7.55	0.34	23236.47	-901.07	13.53	-7.87	1.66	0.06	0.01	0.00	0.000	0.005	-0.01	0.02
GEO MEAN +2 STD DEV			21.08	12.86	136.79	8.11	3.78	40978.39	6641.09	33.62	220.21	5.17	0.91	0.01	0.12	0.099	4.069	0.12	0.14
GEO MEAN -2 STD DEV			8.08	6.83	75.68	7.55	0.70	23663.15	1.25	14.42	0.00	1.75	0.02	0.01	0.02	0.000	0.619	0.01	0.03
SUM OF SQUARES			1506.79	735.56	86116.79	489.98	28.00	******.**	******.**	4166.35	455.00	80.50	0.37	0.00	0.02	0.000	29.892	0.01	0.05

Table 10, continued (Depth = 10 m)

PSS008 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY p/l	00760 SWL FBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
84/04/10	1425	10	10.0	11.0	115.8	7.9	2.0	38000	28.2	0	0.23	0.01K	0.04	0.001	1.458	0.06	0.07
84/05/14	1320	10	11.0	9.4	100.5	7.7	2.0	36500	27.4	5	0.28	0.01K	0.05	0.000	1.000	0.06	0.14
84/06/11	1405	10	11.9	9.3	102.2	8.0	1.0	38900	28.7	0	0.18	0.01K	0.02	0.000	2.115	0.04	0.06
84/07/16	1400	10	13.0	8.7	98.0	7.8	4.0	39300	29.0	5	0.25	0.01K	0.02	0.000	1.462	0.04	0.06
84/08/13	1415	10	13.8	7.6	85.9	7.9	1.0	33900	27.2	0	0.14	0.01K	0.03	0.001	1.947	0.02	0.04
84/09/10	1400	10	12.5	7.2	80.8	7.9	1.0	40700	29.9	5	0.24	0.01K	0.01	0.000	1.766	0.04	0.06
84/10/15	1440	10	11.8	7.4	81.9	7.8	1.0	33300	30.0	0	0.34	0.01K	0.02	0.000	1.335	0.09	0.11
84/11/13	1430	10	10.5	6.8	72.7	7.7	1.0	40300	28.9		0.40	0.01K	0.04	0.000	0.962	0.06	0.08
NUMBER OF SAMPLES			8	8	8	8	8	8	8	7	8	8	8	8	8	8	8
MAXIMUM VALUE			13.80	11.00	115.80	8.00	4.00	40700.00	30.00	5.00	0.40	0.01	0.05	0.001	2.115	0.09	0.14
MINIMUM VALUE			10.00	6.80	72.70	7.70	1.00	33900.00	27.20	0.00	0.14	0.01	0.01	0.000	0.962	0.02	0.04
ARITHMETIC MEAN			11.81	8.43	92.23	7.84	1.63	38137.50	28.66	2.14	0.26	0.01	0.03	0.000	1.506	0.05	0.08
GEOMETRIC MEAN			11.75	8.32	91.27	7.84	1.41	38069.42	28.65	0.35	0.25	0.01	0.03	0.019	1.453	0.05	0.07
LOG/GEOMETRIC MEAN			2.46	2.12	4.51	2.06	0.35	10.55	3.36	-1.02	-1.40	-4.61	-3.66	-3.975	0.374	-3.05	-2.63
MEDIAN			11.85	8.15	91.95	7.85	1.00	38700.00	28.80	0.00	0.25	0.01	0.03	0.000	1.460	0.05	0.07
STANDARD DEV OF LOGS			0.11	0.17	0.15	0.01	0.52	0.06	0.04	2.46	0.33	0.30	0.53	1.810	0.288	0.45	0.39
STANDARD DEVIATION			1.28	1.43	14.22	0.11	1.06	2397.58	1.03	2.67	0.08	0.00	0.01	0.000	0.417	0.02	0.03
VARIANCE			1.64	2.04	202.21	0.01	1.13	######.##	1.06	7.14	0.01	0.00	0.00	0.000	0.174	0.00	0.00
COEFF OF VARIATION			10.85	16.96	15.42	1.45	65.27	6.29	3.60	124.72	32.34	0.00	42.17	185.164	27.710	40.98	41.91
SUM OF VALUES			94.50	67.40	737.80	62.70	13.00	305100.00	229.30	15.00	2.06	0.08	0.25	0.002	12.045	0.41	0.62
MEAN +2 STD DEV			14.38	11.28	120.67	8.05	3.75	42932.66	30.72	7.49	0.42	0.01	0.05	0.001	2.340	0.09	0.14
MEAN -2 STD DEV			9.25	5.57	63.78	7.63	-0.50	33342.34	26.60	-3.20	0.09	0.01	0.00	-0.001	0.671	0.01	0.01
GEO MEAN +2 STD DEV			14.61	11.56	124.17	8.05	4.03	43305.53	30.79	49.50	0.48	0.01	0.07	0.701	2.587	0.12	0.16
GEO MEAN -2 STD DEV			9.45	5.98	67.09	7.63	0.50	33466.42	26.65	0.00	0.13	0.01	0.01	0.001	0.817	0.02	0.03
SUM OF SQUARES			1127.79	582.14	69459.08	491.19	29.00	######.##	6579.75	75.00	0.55	0.00	0.01	0.000	19.354	0.02	0.05

Table 10, continued (Depth = 0m).

PSS003 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
85/04/08	1410	0	9.5	10.8	106.4	7.9	1.0	34700	13J	21.8	4	2.8	0.15	0.01K	0.10	0.001	1.403	0.03	0.06
85/05/20	1340	0	13.2	10.5	109.9	8.1	1.0K	25300	470J	17.0	4	2.0	0.01K	0.01K	0.01	0.000	2.918	0.02	0.03
85/06/17	1330	0	15.5	10.3	113.7	8.2	2.0	24600	220	18.0	14	1.5	0.04	0.01K	0.06	0.003	4.313	0.02	0.03
NUMBER OF SAMPLES			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAXIMUM VALUE			15.50	10.80	113.70	8.20	2.00	34700.00	470.00	21.80	14.00	2.80	0.15	0.01	0.10	0.003	4.313	0.03	0.06
MINIMUM VALUE			9.50	10.30	106.40	7.90	1.00	24600.00	13.00	17.00	4.00	1.50	0.01	0.01	0.01	0.000	1.403	0.02	0.03
ARITHMETIC MEAN			12.73	10.53	110.00	8.07	1.33	28200.00	234.33	18.93	7.33	2.10	0.07	0.01	0.06	0.001	2.878	0.02	0.04
GEOMETRIC MEAN			12.48	10.53	109.96	8.07	1.26	27848.07	110.36	18.82	6.07	2.03	0.04	0.01	0.04	0.005	2.604	0.02	0.04
LOG/GEOMETRIC MEAN			2.52	2.35	4.70	2.09	0.23	10.23	4.70	2.94	1.80	0.71	-3.24	-4.61	-3.24	-5.238	0.957	-3.78	-3.28
MEDIAN			13.20	10.50	109.90	8.10	1.00	25300.00	220.00	18.00	4.00	2.00	0.04	0.01	0.06	0.001	2.918	0.02	0.03
STANDARD DEV OF LOGS			0.25	0.02	0.03	0.02	0.40	0.19	1.89	0.13	0.72	0.31	1.35	0.00	1.21	2.017	0.570	0.23	0.40
STANDARD DEVIATION			3.03	0.25	3.65	0.15	0.58	5640.04	228.84	2.53	5.77	0.66	0.07	0.00	0.05	0.002	1.455	0.01	0.02
VARIANCE			9.16	0.06	13.33	0.02	0.33	######.##	52366.33	6.41	33.33	0.43	0.01	0.00	0.00	0.000	2.118	0.00	0.00
COEFF OF VARIATION			23.77	2.39	3.32	1.89	43.30	20.00	97.65	13.38	78.73	31.23	110.57	0.00	79.57	114.564	50.570	24.74	43.30
SUM OF VALUES			38.20	31.60	330.00	24.20	4.00	84600.00	703.00	56.80	22.00	6.30	0.20	0.03	0.17	0.004	8.634	0.07	0.12
MEAN +2 STD DEV			18.79	11.04	117.30	8.37	2.49	39430.07	692.01	24.00	18.88	3.41	0.21	0.01	0.15	0.004	5.789	0.03	0.07
MEAN -2 STD DEV			6.68	10.03	102.70	7.76	0.18	16919.93	-223.34	13.87	-4.21	0.79	-0.08	0.01	-0.03	-0.002	-0.033	0.01	0.01
GEO MEAN +2 STD DEV			20.56	11.05	117.50	8.38	2.81	40805.03	4845.01	24.43	25.80	3.80	0.59	0.01	0.44	0.300	8.144	0.04	0.08
GEO MEAN -2 STD DEV			7.58	10.04	102.90	7.77	0.57	19005.37	2.51	14.51	1.43	1.09	0.00	0.01	0.00	0.000	0.833	0.01	0.02
SUM OF SQUARES			504.74	332.98	36326.66	195.26	6.00	######.##	269469.00	1088.24	228.00	14.09	0.02	0.00	0.01	0.000	29.085	0.00	0.01

Table 10, continued (Depth = 10 m).

PS5003 PORT GARDNER BAY AT PIER 3

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70305 SALINITY CONDUCTVT g/l	00760 SWL PBI mg/l	00615 NITRITE 1 NO2-N mg/l	00610 AMMONIA 1 NH3-N mg/l	00619 UN-IONIZD AMMONIA mg/l	00617 UN-IONIZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
85/04/08 1415		10	8.0	7.5	77.3	7.6	1.0	44400	29.8	0	0.01K	0.20	0.001	0.829	0.07	0.14
85/05/20 1345		10	9.8	9.3	98.0	7.8	1.0K	40800	28.9	0	0.01K	0.09	0.001	1.144	0.07	0.08
85/06/17 1335		10	12.2	8.3	92.0	7.8	1.0	37400	29.0	5	0.01K	0.04	0.001	1.376	0.04	0.04
NUMBER OF SAMPLES			3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAXIMUM VALUE			12.20	9.30	98.00	7.80	1.00	44400.00	29.80	5.00	0.01	0.20	0.001	1.376	0.07	0.14
MINIMUM VALUE			8.00	7.50	77.30	7.60	1.00	37400.00	28.90	0.00	0.01	0.04	0.001	0.829	0.04	0.04
ARITHMETIC MEAN			10.00	8.37	89.10	7.73	1.00	40866.67	29.23	1.67	0.01	0.11	0.001	1.050	0.06	0.09
GEOMETRIC MEAN			9.85	8.33	88.66	7.73	1.00	40766.64	29.23	0.23	0.01	0.09	0.001	0.997	0.06	0.08
LOGARIGEOMETRIC MEAN			2.29	2.12	4.48	2.05	0.00	10.62	3.38	-1.46	-4.61	-2.41	-6.906	-0.003	-2.85	-2.57
MEDIAN			9.80	8.30	92.00	7.80	1.00	40800.00	29.00	0.00	0.01	0.09	0.001	1.144	0.07	0.08
STANDARD DEV OF LOGS			0.21	0.11	0.12	0.01	0.00	0.09	0.02	2.66	0.00	0.80	0.000	0.409	0.32	0.63
STANDARD DEVIATION			2.11	0.90	10.85	0.12	0.00	3500.48	0.47	2.89	0.00	0.08	0.000	0.582	0.02	0.05
VARIANCE			4.44	0.81	118.43	0.01	0.00	******.**	0.24	8.33	0.00	0.01	0.000	0.148	0.00	0.00
COEFF OF VARIATION			21.07	10.78	11.95	1.49	0.00	8.57	1.69	173.21	0.00	73.41	0.000	55.429	28.87	58.08
SUM OF VALUES			30.00	25.10	267.30	21.20	3.00	122600.00	87.70	5.00	0.03	0.33	0.003	3.149	0.18	0.28
MEAN +2 STD DEV			14.21	10.17	110.40	7.96	1.00	47867.62	30.22	7.44	0.01	0.27	0.001	1.814	0.09	0.19
MEAN -2 STD DEV			5.79	6.56	67.80	7.50	1.00	33865.71	28.25	-4.11	0.01	-0.05	0.001	0.285	0.03	-0.01
OBS MEAN +2 STD DEV			15.03	10.34	113.36	7.97	1.00	43347.06	30.23	47.37	0.01	0.45	0.001	2.259	0.11	0.27
OBS MEAN -2 STD DEV			6.46	6.72	69.34	7.50	1.00	34337.25	28.26	0.00	0.01	0.02	0.001	0.440	0.03	0.02
SUM OF SQUARES			308.88	211.63	24043.29	179.44	3.00	********.**	2564.25	25.00	0.00	0.05	0.000	3.598	0.01	0.03

Table 11 (Depth = 0 m)

PS9005 PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
73/08/15	1500	(	15.5	7.5		7.8	2.0	44000	40K		18		0.36	0.00	0.02	0.000	1.763	0.03	0.08
73/09/12	1515	(	15.8			7.2	2.0	23000	20K	25.7	82		0.16	0.01	0.15	0.001	0.459	0.01	0.03
73/10/17	1625	(	12.1	5.5		7.2	2.0	22000	20K	26.7	36		0.35	0.01	0.04	0.000	0.347	0.03	0.05
73/12/05	1335	(	8.4	7.0		7.1	5.0	20000	20K	23.3	77		0.27	0.01	0.04	0.000	0.206	0.00	0.02
NUMBER OF SAMPLES			4	3	0	4	4	4	4	3	4	0	4	4	4	4	4	4	4
MAXIMUM VALUE			15.80	7.50		7.80	5.00	44000.00	40.00	26.70	82.00		0.36	0.01	0.15	0.001	1.763	0.03	0.08
MINIMUM VALUE			8.40	5.50		7.10	2.00	20000.00	20.00	23.30	18.00		0.16	0.00	0.02	0.000	0.206	0.00	0.02
ARITHMETIC MEAN			12.95	6.67		7.33	2.75	27250.00	25.00	25.23	53.25		0.29	0.01	0.06	0.000	0.694	0.02	0.05
GEOMETRIC MEAN			12.56	6.61		7.32	2.51	25832.02	23.78	25.19	44.97		0.27	0.01	0.05	0.019	0.490	0.03	0.04
LOG/GEOMETRIC MEAN			2.53	1.89		1.99	0.92	10.16	3.17	3.23	3.81		-1.30	-4.20	-3.06	-3.975	-0.712	-3.65	-3.34
MEDIAN			13.80	7.00		7.20	2.00	22500.00	20.00	25.70	56.50		0.31	0.01	0.04	0.000	0.403	0.02	0.04
STANDARD DEV OF LOGS			0.29	0.16		0.04	0.46	0.36	0.35	0.07	0.72		0.38	0.80	0.84	1.955	0.915	0.68	0.60
STANDARD DEVIATION			3.47	1.04		0.32	1.50	11236.10	10.00	1.75	31.26		0.09	0.01	0.04	0.001	0.720	0.02	0.03
VARIANCE			12.02	1.08		0.10	2.25	######.##	100.00	3.05	976.92		0.01	0.00	0.04	0.000	0.519	0.00	0.00
COEFF OF VARIATION			26.77	15.61		4.37	54.55	41.23	40.00	6.92	58.70		33.48	66.67	94.56	200.000	103.828	85.71	58.79
SUM OF VALUES			51.80	20.00		29.30	11.00	109000.00	100.00	75.70	213.00		1.14	0.03	0.25	0.001	2.775	0.07	0.18
MEAN +2 STD DEV			19.88	8.75		7.97	5.75	49722.21	45.00	28.73	115.76		0.47	0.02	0.11	0.001	2.134	0.05	0.10
MEAN -2 STD DEV			6.02	4.59		6.68	-0.25	4777.79	5.00	21.74	-9.26		0.10	0.00	-0.06	-0.001	-0.747	-0.01	-0.01
GEO MEAN +2 STD DEV			22.64	9.15		7.98	6.29	53049.48	47.57	28.99	188.31		0.38	0.07	0.25	0.937	3.059	0.10	0.13
GEO MEAN -2 STD DEV			6.97	4.77		6.72	1.01	12578.69	11.89	21.89	10.74		0.13	0.00	0.01	0.000	0.079	0.01	0.01
SUM OF SQUARES			706.86	135.50		214.93	37.00	######.##	2800.00	1916.27	14273.00		0.35	0.00	0.03	0.000	3.482	0.00	0.01

Table 11, continued (Depth = 10 m)

PS0005 PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3 N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHOUS mg/l P	00665 TOTAL PHOSPHOUS mg/l P
73/08/15	1505	10	12.5	5.5		7.6	2.0	50000		18	0.42	0.06	0.02	0.000	0.893	0.03	0.06
73/09/12	1530	10	12.0			7.3	2.0	25000	27.5	117	0.19	0.02	0.17	0.001	0.433	0.01	0.03
73/10/17	1630	10	11.4	2.8		7.3	1.0	25000	30.9	82	0.37	0.01	0.05	0.000	0.413	0.03	0.05
73/12/05	1340	10	9.4	6.9		7.6	3.0	28000	29.8	18	0.39	0.01	0.03	0.000	0.703	0.00	0.02
NUMBER OF SAMPLES			4	3	0	4	4	4	3	4	4	4	4	4	4	4	4
MAXIMUM VALUE			12.50	6.90		7.60	3.00	50000.00	30.90	117.00	0.42	0.02	0.17	0.001	0.893	0.03	0.06
MINIMUM VALUE			9.40	2.80		7.30	1.00	25000.00	27.50	18.00	0.19	0.00	0.02	0.000	0.413	0.00	0.02
ARITHMETIC MEAN			11.33	5.07		7.45	2.00	31500.00	29.40	58.75	0.34	0.01	0.07	0.000	0.611	0.02	0.04
GEOMETRIC MEAN			11.26	4.74		7.45	1.86	30023.12	29.37	41.99	0.33	0.02	0.05	0.019	0.579	0.03	0.04
LOG/GEOMETRIC MEAN			2.42	1.56		2.01	0.62	10.31	3.38	3.74	-1.12	-4.03	-3.05	-3.775	-0.547	-3.65	-3.31
MEDIAN			11.70	5.50		7.45	2.00	25000.00	29.80	50.00	0.38	0.01	0.04	0.000	0.568	0.02	0.04
STANDARD DEV OF LOGS			0.13	0.47		0.02	0.46	0.34	0.06	0.99	0.37	0.76	0.93	1.955	0.376	0.68	0.50
STANDARD DEVIATION			1.36	2.08		0.17	0.82	12542.34	1.73	49.18	0.16	0.01	0.07	0.001	0.230	0.02	0.02
VARIANCE			1.85	4.34		0.03	0.67	#####	3.01	2418.25	0.01	0.00	0.00	0.000	0.053	0.00	0.00
COEFF OF VARIATION			12.01	41.13		2.32	40.82	39.18	5.90	83.70	30.28	81.65	102.51	200.000	37.695	85.71	45.54
SUM OF VALUES			45.30	15.20		29.80	8.00	126000.00	88.20	235.00	1.37	0.04	0.27	0.001	2.442	0.07	0.16
MEAN +2 STD DEV			14.04	9.23		7.80	3.63	56184.68	32.87	157.10	0.65	0.03	0.21	0.001	1.071	0.05	0.48
MEAN -2 STD DEV			8.61	0.90		7.10	0.37	6815.32	25.93	-39.60	0.04	-0.01	-0.07	-0.001	0.150	-0.01	0.00
GEO MEAN +2 STD DEV			14.49	12.10		7.80	4.63	59325.91	33.09	303.38	0.48	0.08	0.30	0.937	1.228	0.10	0.10
GEO MEAN -2 STD DEV			8.75	1.85		7.11	0.75	15193.83	26.66	5.81	0.16	0.00	0.01	0.000	0.273	0.01	0.01
SUM OF SQUARES			518.57	85.70		222.10	18.00	#####	2599.10	21061.00	0.50	0.00	0.03	0.000	1.650	0.00	0.01

Table 11, continued (Depth = 0 m).

PSS000- PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
74/04/09	1315	0	8.6	9.1		7.2	4.0	16000	60	17.0	55		0.41	0.01	0.30	0.000	0.264	0.00	0.05
74/05/15	1405	0	9.4	11.5		7.5	4.0	16000	78	17.1	8		0.03	0.00	0.32	0.000	0.559	0.04	0.05
74/06/11	1130	0	14.0	7.1		7.4	1.0	15000	18	15.0	0		0.03	0.00	0.30	0.000	0.634	0.00	0.03
74/07/17	1335	0	12.3	5.4		7.4	3.0	40000	40	26.0	105		0.18	0.01	0.32	0.000	0.557	0.00	0.05
74/08/22	1350	0	15.2	5.3		7.2	1.0	39000	30	23.0	9								
74/09/11	1505	0	15.0	5.0		7.2	3.0	25000	450	18.0	41		0.10	0.00	0.00	0.000	0.432	0.00	0.08
74/10/09	1340	0	13.5	3.8		7.2	3.0	27000	220	28.0	0		0.24	0.00	0.02	0.000	0.386	0.01	0.05
74/11/18	1455	0	11.2	6.0		7.4	4.0	30000	148	28.4	38		0.08	0.00	0.08	0.000	0.511	0.00	0.04
NUMBER OF SAMPLES			8	8	0	8	8	8	8	8	8	0	7	7	7	7	7	7	7
MAXIMUM VALUE			15.20	11.50		7.50	4.00	40000.00	220.00	28.40	105.00		0.41	0.01	0.08	0.000	0.634	0.04	0.08
MINIMUM VALUE			8.60	3.80		7.20	1.00	15000.00	1.00	15.00	0.00		0.03	0.00	0.00	0.000	0.264	0.00	0.03
ARITHMETIC MEAN			12.40	6.65		7.31	2.88	26000.00	52.13	21.56	32.00		0.15	0.00	0.02	0.000	0.478	0.01	0.05
GEOMETRIC MEAN			12.17	6.28		7.31	2.54	24293.22	22.67	20.97	5.97		0.10	0.03	0.04	0.050	0.461	0.04	0.05
LOG/GEOMETRIC MEAN			2.50	1.84		1.99	0.93	10.10	3.12	3.04	1.79		-2.27	-3.46	-3.12	-2.998	-0.774	-3.26	-3.03
MEDIAN			12.90	5.70		7.30	3.00	26000.00	35.00	20.50	23.50		0.10	0.00	0.02	0.000	0.511	0.00	0.05
STANDARD DEV OF LOGS			0.21	0.35		0.02	0.59	0.40	1.62	0.25	3.08		1.00	0.78	0.98	0.000	0.298	0.60	0.29
STANDARD DEVIATION			2.49	2.52		0.12	1.25	10028.53	70.75	5.43	36.11		0.14	0.00	0.03	0.000	0.126	0.01	0.02
VARIANCE			6.18	6.34		0.02	1.55	######.##	5004.98	29.49	1304.00		0.02	0.00	0.00	0.000	0.016	0.00	0.00
COEFF OF VARIATION			20.05	37.86		1.70	43.35	38.57	135.72	25.19	112.85		89.68	170.78	141.42	0.000	26.293	209.44	30.55
SUM OF VALUES			99.20	53.20		58.50	23.00	208000.00	417.00	172.50	256.00		1.07	0.02	0.14	0.000	3.343	0.05	0.35
MEAN +2 STD DEV			17.37	11.69		7.56	5.37	46057.06	193.62	32.42	104.22		0.43	0.01	0.08	0.000	0.729	0.04	0.08
MEAN -2 STD DEV			7.43	1.61		7.06	0.38	5942.94	-89.37	10.70	-40.22		-0.13	-0.01	-0.04	0.000	0.226	-0.02	0.02
GEO MEAN +2 STD DEV			18.53	12.75		7.56	8.27	53882.44	577.23	34.84	2816.05		0.77	0.15	0.11	0.050	0.836	0.13	0.09
GEO MEAN -2 STD DEV			7.74	3.10		7.07	0.78	10952.74	0.89	12.61	0.01		0.01	0.01	0.01	0.050	0.254	0.01	0.03
SUM OF SQUARES			1273.34	398.16		427.89	77.00	######.##	56771.00	3925.97	17320.00		0.28	0.00	0.01	0.000	1.691	0.00	0.02

Table 11, continued (Depth = 10 m)

P55009 PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	00305 SALINITY CONDUCTVT g/l	00760 SWL PBI mg/l	00629 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
74/04/09	1320	10	7.8	6.3		7.4	5.0	27000	27.5	20	0.51	0.01	0.02	0.000	0.392	0.00	0.02
74/05/15	1410	10	8.4	9.6		7.8	3.0	27000	28.1	15	0.27	0.00	0.02	0.000	1.026	0.04	0.06
74/06/11	1135	10	10.5	7.1		7.7	1.0	36000	27.0	0	0.18	0.00	0.02	0.000	0.962	0.00	0.03
74/07/17	1340	10	10.0	5.0		7.7	1.0	49000	29.3	15	0.29	0.01	0.00	0.000	0.925	0.00	0.08
74/08/22	1355	10	12.9	5.5		7.6	2.0	33000	28.0	5							
74/09/11	1510	10	13.8	5.6		7.4	2.0	30000	21.0	32	0.19	0.00	0.00	0.000	0.624	0.00	0.05
74/10/09	1345	10	11.8	3.6		7.3	1.0	30000	31.0	12	0.25	0.00	0.00	0.000	0.426	0.01	0.04
74/11/15	1300	10	10.8	3.6		7.5	2.0	44000	29.6	18	0.02	0.00	0.00	0.000	0.623	0.00	0.03
NUMBER OF SAMPLES			8	8	0	8	8	8	8	8	7	7	7	7	7	7	7
MAXIMUM VALUE			13.80	9.60		7.80	5.00	49000.00	31.00	32.00	0.51	0.01	0.02	0.000	1.026	0.04	0.06
MINIMUM VALUE			7.80	3.60		7.30	1.00	26000.00	21.00	0.00	0.02	0.00	0.00	0.000	0.392	0.00	0.02
ARITHMETIC MEAN			10.75	5.79		7.55	2.13	33250.00	27.89	14.63	0.24	0.00	0.01	0.000	0.711	0.01	0.04
GEOMETRIC MEAN			10.57	5.52		7.55	1.82	32397.63	27.52	7.27	0.18	0.03	0.03	0.050	0.666	0.04	0.04
LOG/GEOMETRIC MEAN			2.36	1.71		2.02	0.60	10.39	3.32	1.98	-1.70	-3.46	-3.39	-2.998	-0.404	-3.26	-3.25
MEDIAN			10.65	5.55		7.55	2.00	30000.00	28.05	15.00	0.25	0.00	0.00	0.000	0.624	0.00	0.04
STANDARD DEV OF LOGS			0.20	0.33		0.02	0.58	0.24	0.12	2.08	1.03	0.78	0.49	0.000	0.391	0.60	0.41
STANDARD DEVIATION			2.07	1.96		0.18	1.36	8581.54	2.99	9.68	0.15	0.00	0.01	0.000	0.260	0.01	0.02
VARIANCE			4.27	3.83		0.03	1.84	******.**	8.92	93.70	0.02	0.00	0.00	0.000	0.068	0.00	0.00
COEFF OF VARIATION			19.22	33.83		2.35	63.82	25.81	10.81	66.19	60.43	170.78	134.72	0.000	36.593	209.44	37.98
SUM OF VALUES			86.00	46.30		60.40	17.00	266000.00	221.50	117.00	1.71	0.02	0.02	0.000	4.978	0.05	0.29
MEAN +2 STD DEV			14.88	9.70		7.90	4.84	50413.08	33.87	33.98	0.54	0.01	0.03	0.000	1.232	0.04	0.07
MEAN -2 STD DEV			6.62	1.87		7.20	-0.59	16086.92	21.70	-4.73	-0.05	-0.01	-0.01	0.000	0.191	-0.02	0.01
GEO MEAN +2 STD DEV			15.68	10.67		7.91	5.83	52002.37	34.86	465.90	1.43	0.15	0.09	0.050	1.481	0.13	0.09
GEO MEAN -2 STD DEV			7.13	2.85		7.20	0.57	20183.82	21.74	0.11	0.02	0.01	0.01	0.050	0.305	0.01	0.02
SUM OF SQUARES			954.38	294.79		456.24	49.00	******.**	6195.51	2367.00	0.55	0.00	0.00	0.000	3.946	0.00	0.01

Table 11, continued (Depth = 0 m).

PS800 - PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	C0078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
75/04/09	1520	0	9.2	9.0		7.3	5.0	25000	48	25.9	32		0.30	0.01	<.09	0.000	0.348	0.05	0.09
75/05/14	1430	0	13.1	9.4		7.3	4.0	17000	78	14.8	45		0.12	0.00	<.00	0.000	0.471	0.00	
75/06/11	1345	0	15.0	11.6		8.1	2.0	24000	48	16.0	5		0.02	0.00	<.00	0.000	3.333	0.04	0.07
75/07/09	1415	0	17.0	9.1		8.3	2.0	12000	48	12.4	17		0.08	0.00	<.03	0.002	5.971	0.04	0.05
75/08/13	1525	0	17.1	8.2		7.5	3.0	42000	28	24.9	15		0.18	0.00	<.02	0.000	1.004	0.05	0.10
75/09/10	1435	0	15.0	10.8		8.0	3.0	40000	28	24.5	18		0.04	0.00	<.00	0.000	2.665	0.02	0.04
75/10/07	1450	0	11.2			6.8	5.0	41000	108	28.7	50		0.37	0.00	<.18	0.000	0.129	0.08	0.12
75/11/11	1050	0	8.1	8.5		7.3	2.0	26000	160L	20.6	23		0.32	0.00	<.03	0.000	0.319	0.06	0.09
NUMBER OF SAMPLES			8	7	0	8	8	8	8	8	8	0	8	8	8	8	8	8	7
MAXIMUM VALUE			17.10	11.60		8.30	5.00	42000.00	160.00	28.70	50.00		0.37	0.01	<.18	0.002	5.971	0.08	0.12
MINIMUM VALUE			8.10	8.20		6.80	2.00	12000.00	2.00	12.40	5.00		0.02	0.00	<.00	0.000	0.129	0.00	0.04
ARITHMETIC MEAN			13.21	9.51		7.58	3.25	28375.00	24.13	20.98	25.63		0.18	0.00	<.04	0.000	1.780	0.04	0.08
GEOMETRIC MEAN			12.79	9.45		7.56	3.04	26158.09	6.41	20.17	21.01		0.12	0.04	<.05	0.033	0.880	0.05	0.08
LOG/GEOMETRIC MEAN			2.55	2.25		2.02	1.11	10.17	1.86	3.00	3.05		-2.10	-3.20	-3.01	-3.400	-0.128	-3.08	-2.59
MEDIAN			14.35	9.10		7.40	3.00	25500.00	4.00	22.55	20.50		0.15	0.00	<.03	0.000	0.738	0.05	0.09
STANDARD DEV OF LOGS			0.28	0.13		0.07	0.40	0.45	1.41	0.31	0.73		1.06	0.57	<.69	1.137	1.344	0.40	0.39
STANDARD DEVIATION			3.43	1.24		0.51	1.28	11426.00	54.97	5.96	15.53		0.14	0.00	<.06	0.001	2.070	0.02	0.03
VARIANCE			11.74	1.53		0.26	1.64	######.##	3021.27	35.47	241.13		0.02	0.00	<.00	0.000	4.284	0.00	0.00
COEFF OF VARIATION			25.93	13.02		6.72	39.44	40.27	227.84	28.40	60.60		75.91	282.84	142.97	282.843	116.276	57.29	35.36
SUM OF VALUES			105.70	66.60		60.60	26.00	227000.00	193.00	167.80	205.00		1.43	0.01	<.35	0.002	14.240	0.34	0.56
MEAN +2 STD DEV			20.36	11.99		8.59	5.81	51227.01	134.06	32.89	56.68		0.45	0.01	<.17	0.002	5.919	0.09	0.14
MEAN -2 STD DEV			6.36	7.04		6.56	0.69	5522.99	-85.81	9.06	-5.43		-0.09	-0.01	<-0.08	-0.001	-2.359	-0.01	0.02
GEO MEAN +2 STD DEV			22.42	12.15		8.65	6.70	64165.32	107.84	37.21	91.01		1.01	0.13	<.20	0.325	12.947	0.10	0.17
GEO MEAN -2 STD DEV			7.29	7.35		6.61	1.38	10663.79	0.38	10.94	4.85		0.01	0.01	<.01	0.003	0.060	0.02	0.03
SUM OF SQUARES			1478.71	642.86		460.86	96.00	######.##	25805.00	3767.92	6941.00		0.38	0.00	<.04	0.000	55.333	0.02	0.05

Table 11, continued (Depth = 10 m)

F25009 PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70300 SALINITY CONDUCTVT g/l	00760 SWL PWT mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2 N mg/l	00610 AMMONIA T NH3 N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
75/04/09	1515	10	7.8	9.0		7.6	4.0	32000	28.6	14	0.05	0.01	0.00	0.000	0.820	0.05	0.07
75/05/14	1435	10	9.0	8.7		7.6	4.0	26000	28.0	23	0.10	0.00	0.03	0.000	0.681	0.00	
75/06/11	1350	10	10.0	9.4		7.5	2.0	26000	28.2	18	0.03	0.00	0.00	0.000	0.586	0.02	0.05
75/07/09	1420	10	12.0	8.9		8.2	4.0	23000	25.2	8	0.00	0.00	0.03	0.001	3.335	0.04	0.08
75/08/13	1530	10	12.2	6.8		7.4	5.0	41000	27.8	25	0.02	0.00	0.02	0.000	0.552	0.07	0.12
75/09/10	1500	10	12.5	7.0		7.4	4.0	27000	28.0	28	0.29	0.00	0.03	0.000	0.565	0.02	0.08
75/10/07	1455	10	10.8			7.3	2.0	29000	29.3	18	0.08	0.00	0.04	0.000	0.388	0.08	0.07
75/11/11	1035	10	9.0	5.9		7.3	2.0	49000	28.3	0	0.02	0.00	0.06	0.000	0.342	0.08	0.12
NUMBER OF SAMPLES			8	7	0	8	8	8	8	8	7	8	8	8	8	8	7
MAXIMUM VALUE			12.50	9.40		8.20	5.00	49000.00	29.30	28.00	0.38	0.01	0.06	0.001	3.335	0.08	0.12
MINIMUM VALUE			7.30	5.90		7.30	2.00	23000.00	25.20	0.00	0.00	0.00	0.00	0.000	0.342	0.00	0.05
ARITHMETIC MEAN			10.39	7.96		7.54	3.38	31625.00	27.99	16.75	0.26	0.00	0.03	0.000	0.884	0.05	0.09
GEOMETRIC MEAN			10.26	7.85		7.53	3.17	30668.73	27.96	8.57	0.22	0.04	0.04	0.031	0.656	0.05	0.09
LOG/GEOMETRIC MEAN			2.33	2.06		2.02	1.15	10.33	3.33	2.15	-1.49	-3.20	-3.31	-3.486	-0.422	-3.09	-2.44
MEDIAN			10.30	8.70		7.45	4.00	28000.00	28.10	18.00	0.12	0.00	0.03	0.000	0.576	0.05	0.09
STANDARD DEV OF LOGS			0.17	0.18		0.04	0.39	0.26	0.05	2.12	0.74	0.57	0.36	1.382	0.698	0.56	0.10
STANDARD DEVIATION			1.74	1.36		0.29	1.19	8911.27	1.29	9.27	0.14	0.00	0.02	0.000	0.997	0.03	0.02
VARIANCE			3.01	1.85		0.09	1.41	**********	1.66	85.93	0.02	0.00	0.00	0.000	0.994	0.00	0.00
COEFF OF VARIATION			16.71	17.09		3.88	35.19	28.18	4.60	55.34	51.70	282.84	76.02	262.843	112.837	67.19	27.12
SUM OF VALUES			83.10	55.70		60.30	27.00	253000.00	223.90	134.00	2.39	0.01	0.21	0.001	7.069	0.36	0.43
MEAN +2 STD DEV			13.56	10.68		8.12	5.75	49447.54	30.56	35.29	0.53	0.01	0.07	0.001	2.878	0.11	0.14
MEAN -2 STD DEV			6.92	5.24		6.95	1.00	13802.46	25.41	-1.79	-0.01	-0.01	0.01	-0.001	-1.110	-0.02	0.04
OCD MEAN +2 STD DEV			14.44	11.24		8.12	6.91	51277.82	30.72	570.58	0.79	0.13	0.08	0.436	2.656	0.14	0.16
OCD MEAN -2 STD DEV			7.29	5.49		6.93	1.48	18342.65	25.44	0.12	0.05	0.01	0.02	0.002	0.162	0.01	0.05
SUM OF SQUARES			884.29	454.31		455.11	101.00	**********	6778.01	7846.00	0.57	0.00	0.01	0.000	13.265	0.02	0.06

Table 11, continued (Depth = 0 m).

PS900- PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PB1 mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
76/04/14	1250	0	8.9	8.0		7.3	4.0	34000	308	21.6	23		0.18	0.00	0.12	0.000	0.340	0.03	0.31
76/05/05	1450	0	11.2	8.9		7.9	6.0	20000	148	11.6	5		0.04	0.00	0.04	0.001	1.599	0.01	0.04
76/06/23	1455	0	13.7	9.6		7.6	2.0	28000	28	17.7	14		0.03	0.00	0.06	0.001	0.978	0.02	0.05
NUMBER OF SAMPLES			3	3	0	3	3	3	3	3	3	0	3	3	3	3	3	3	3
MAXIMUM VALUE			13.74	9.60		7.90	6.00	34000.00	30.00	21.60	23.00		0.18	0.00	0.13	0.001	1.599	0.03	0.31
MINIMUM VALUE			8.99	8.00		7.30	2.00	20000.00	2.00	11.60	5.00		0.03	0.00	0.04	0.000	0.340	0.01	0.04
ARITHMETIC MEAN			11.21	8.83		7.60	4.00	27333.33	15.33	16.97	14.00		0.08	0.00	0.07	0.001	0.972	0.02	0.13
GEOMETRIC MEAN			11.09	8.81		7.60	3.63	26702.73	9.44	16.43	11.72		0.06	0.05	0.07	0.004	0.810	0.02	0.09
LOG/GEOMETRIC MEAN			2.41	2.18		2.03	1.29	10.19	2.24	2.80	2.46		-2.81	-3.00	-2.72	-5.604	-0.211	-4.01	-2.46
MEDIAN			11.24	8.90		7.60	4.00	28000.00	14.00	17.70	14.00		0.04	0.00	0.06	0.001	0.978	0.02	0.05
STANDARD DEV OF LOGS			0.22	0.09		0.04	0.56	0.27	1.40	0.32	0.78		0.96	0.00	0.56	2.257	0.791	0.56	1.12
STANDARD DEVIATION			2.40	0.80		0.30	2.00	7023.77	14.05	5.04	9.00		0.08	0.00	0.04	0.001	0.630	0.01	0.15
VARIANCE			5.76	0.64		0.09	4.00	****** **	197.33	25.40	81.00		0.01	0.00	0.00	0.000	0.396	0.00	0.02
COEFF OF VARIATION			21.31	9.08		3.95	50.00	25.70	91.61	29.71	64.29		100.64	0.00	56.72	86.603	64.743	50.00	114.81
SUM OF VALUES			33.80	26.50		22.80	12.00	82000.00	46.00	50.90	42.00		0.25	0.00	0.21	0.002	2.917	0.06	0.40
MEAN +2 STD DEV			16.02	10.44		8.20	8.00	41380.87	43.43	27.05	32.00		0.25	0.00	0.16	0.002	2.231	0.04	0.44
MEAN -2 STD DEV			6.47	7.23		7.00	0.00	13285.79	-12.76	6.89	-4.00		-0.08	0.00	-0.02	0.000	-0.287	0.00	-0.17
GEO MEAN +2 STD DEV			17.08	10.58		8.22	11.04	45682.62	154.07	31.00	55.60		0.41	0.05	0.20	0.336	3.942	0.06	0.81
GEO MEAN -2 STD DEV			7.21	7.33		7.02	1.20	15608.47	0.58	8.71	2.47		0.01	0.05	0.02	0.000	0.167	0.01	0.01
SUM OF SQUARES			392.34	235.37		173.46	56.00	******.**	1100.00	914.41	750.00		0.03	0.00	0.02	0.000	3.629	0.00	0.10

Table 11, continued (Depth = 10 m)

P55000 PORT GARDNER BAY AT SCOTT DOCK

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00100 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWD PBI mg/l	00615 NITRITE 1 NO2-N mg/l	00610 AMMONIA 1 NH3-N mg/l	00619 UN-IONIZD AMMONIA mg/l	00617 UN-IONIZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
76/04/14	1255	10	7.5	7.1		7.1	2.0	42000	27.1	18	0.00	0.13	0.000	0.192	0.05	0.12
76/05/05	1435	10	9.3	6.8		7.4	2.0	41000	26.1	23	0.00	0.08	0.000	0.441	0.04	0.07
76/06/23	1500	10	10.7	8.7		7.8	1.0	44000	28.4	0	0.01	0.10	0.001	0.777	0.06	0.06
NUMBER OF SAMPLES			3	3	0	3	3	3	3	3	3	3	3	3	3	3
MAXIMUM VALUE			10.70	8.70		7.80	2.00	44000.00	28.40	23.00	0.01	0.13	0.001	0.777	0.06	0.12
MINIMUM VALUE			7.50	6.80		7.10	1.00	41000.00	26.10	0.00	0.00	0.08	0.000	0.192	0.04	0.06
ARITHMETIC MEAN			9.17	7.53		7.37	1.67	42333.33	27.20	13.67	0.00	0.10	0.000	0.470	0.05	0.08
GEOMETRIC MEAN			9.07	7.49		7.36	1.59	42315.09	27.18	2.74	0.03	0.10	0.014	0.404	0.05	0.08
LOG/GEOMETRIC MEAN			2.21	2.01		2.00	0.46	10.65	3.30	1.01	-3.53	-2.29	-4.301	-0.907	-3.01	-2.53
MEDIAN			9.30	7.10		7.40	2.00	42000.00	27.10	18.00	0.00	0.10	0.000	0.441	0.05	0.07
STANDARD DEV OF LOGS			0.18	0.13		0.03	0.40	0.04	0.04	3.47	0.93	0.24	2.257	0.703	0.20	0.36
STANDARD DEVIATION			1.60	1.02		0.25	0.58	1527.53	1.15	12.10	0.01	0.03	0.001	0.294	0.01	0.03
VARIANCE			2.57	1.04		0.06	0.33	******.**	1.33	146.33	0.00	0.00	0.000	0.086	0.00	0.00
COEFF OF VARIATION			17.50	13.56		3.42	34.64	3.61	4.24	88.51	173.21	24.35	173.205	62.463	20.00	38.57
SUM OF VALUES			27.50	22.60		22.10	5.00	127000.00	81.60	41.00	0.01	0.31	0.001	1.410	0.15	0.25
MEAN +2 STD DEV			12.37	9.58		7.87	2.82	45388.38	29.51	37.86	0.01	0.15	0.001	1.057	0.07	0.15
MEAN -2 STD DEV			5.96	5.49		6.86	0.51	39278.28	24.89	-10.53	-0.01	0.05	0.001	-0.117	0.03	0.02
GEO MEAN +2 STD DEV			12.97	9.74		7.89	3.53	45464.78	29.58	2847.58	0.19	0.16	1.238	1.847	0.07	0.16
GEO MEAN -2 STD DEV			6.34	5.76		6.83	0.71	39383.61	24.98	0.00	0.00	0.05	0.000	0.099	0.03	0.04
SUM OF SQUARES			257.23	172.34		162.93	9.00	******.**	2222.18	853.00	0.00	0.03	0.000	0.835	0.01	0.02

Table 12 (Depth = 0 m)

PSS015 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PB1 mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONIZD AMMONIA mg/l	00617 UN-IONIZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
73/08/15	1410	0	19.5	8.0		7.2	2.0	4500	60		5		0.02	0.00	0.03	0.000	0.603	0.01	0.09
73/09/12	1420	0	17.3			7.4	3.0	7600	29	10.5	14		0.11	0.00	0.12	0.001	0.811	0.00	0.01
73/10/17	1555	0	10.4	10.1		7.1	3.0	3000	70	5.4	0		0.21	0.00	0.06	0.000	0.241	0.01	0.05
73/12/05	1415	0	5.6	11.7		7.0	5.0	2600	20K	2.8	9		0.40	0.00	0.03	0.000	0.131	0.02	0.05
NUMBER OF SAMPLES			4	3	0	4	4	4	4	3	4	0	4	4	4	4	4	4	4
MAXIMUM VALUE			19.50	11.70		7.40	5.00	7600.00	70.00	10.50	14.00		0.40	0.00	0.12	0.001	0.811	0.02	0.09
MINIMUM VALUE			5.60	8.00		7.00	2.00	2600.00	20.00	2.80	0.00		0.02	0.00	0.03	0.000	0.131	0.00	0.01
ARITHMETIC MEAN			13.20	9.93		7.18	3.25	4425.00	44.75	6.23	7.00		0.19	0.00	0.06	0.000	0.447	0.01	0.05
GEOMETRIC MEAN			11.84	9.81		7.17	3.08	4041.38	39.51	5.41	2.37		0.12	0.05	0.05	0.019	0.352	0.02	0.04
LOG/GEOMETRIC MEAN			2.47	2.28		1.97	1.12	8.30	3.68	1.69	0.86		-2.15	-3.00	-2.99	-3.975	1.043	-4.03	-3.25
MEDIAN			13.85	10.10		7.15	3.00	3750.00	44.50	5.40	7.00		0.16	0.00	0.05	0.000	0.422	0.01	0.05
STANDARD DEV OF LOGS			0.57	0.19		0.02	0.38	0.48	0.59	0.66	2.61		1.29	0.00	0.66	1.955	0.832	0.76	0.94
STANDARD DEVIATION			6.38	1.86		0.17	1.26	2269.18	24.02	3.92	5.94		0.16	0.00	0.04	0.001	0.316	0.01	0.03
VARIANCE			40.70	3.44		0.03	1.58	######.##	576.92	15.34	35.33		0.03	0.00	0.00	0.000	0.100	0.00	0.00
COEFF OF VARIATION			48.33	18.68		2.38	38.72	51.28	53.67	62.84	84.92		88.10	0.00	70.71	200.000	70.720	81.65	65.32
SUM OF VALUES			52.80	29.80		28.70	13.00	17700.00	179.00	18.70	28.00		0.74	0.00	0.24	0.001	1.786	0.04	0.20
MEAN +2 STD DEV			25.96	13.64		7.52	5.77	8763.36	92.79	14.07	18.89		0.51	0.00	0.14	0.001	1.078	0.03	0.12
MEAN -2 STD DEV			0.44	6.22		6.83	0.73	-113.36	-3.29	-1.60	-4.89		-0.14	0.00	-0.02	-0.001	-0.185	-0.01	-0.02
GEO MEAN +2 STD DEV			36.92	14.40		7.52	6.52	10573.64	129.77	20.31	435.71		1.53	0.05	0.19	0.937	1.384	0.08	0.26
GEO MEAN -2 STD DEV			3.80	6.69		6.84	1.45	1544.67	12.03	1.44	0.01		0.01	0.05	0.01	0.000	0.066	0.00	0.01
SUM OF SQUARES			819.06	302.90		206.01	47.00	######.##	9741.00	147.25	302.00		0.22	0.00	0.02	0.000	1.097	0.00	0.01

Table 12, continued (Depth = 10 m)

PSS015 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PB3 mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
73/09/12	1425	10	17.2			7.4	3.0	6500	10.7	18	0.12	0.00	0.14	0.001	0.805	0.00	0.02
NUMBER OF SAMPLES			1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
MAXIMUM VALUE			17.20			7.40	3.00	6500.00	10.70	18.00	0.12	0.00	0.14	0.001	0.805	0.00	0.02
MINIMUM VALUE			17.20			7.40	3.00	6500.00	10.70	18.00	0.12	0.00	0.14	0.001	0.805	0.00	0.02
ARITHMETIC MEAN																	
GEOMETRIC MEAN																	
LOG/GEOMETRIC MEAN																	
MEDIAN																	
STANDARD DEV OF LOGS																	
STANDARD DEVIATION																	
VARIANCE																	
COEFF OF VARIATION																	
SUM OF VALUES																	
MEAN +2 STD DEV																	
MEAN -2 STD DEV																	
GEO MEAN +2 STD DEV																	
GEO MEAN -2 STD DEV																	
SUM OF SQUARES																	

Table 12, continued (Depth = 0 m)

PSS010 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
74/04/09	1325	0	6.5	12.0		7.4	5.0	290	80	2.7	20		0.29	0.01	0.00	0.000	0.353	0.00	0.01
74/05/15	1415	0	6.8	13.2		7.3	6.0	640	120	3.0	13		0.18	0.00	0.02	0.000	0.288	0.04	0.06
74/06/11	1140	0	11.5	8.9		7.5	5.0	34	70	1.0K	10		0.08	0.00	0.00	0.000	0.658	0.00	
74/07/17	1345	0	10.2	10.9		7.2	3.0	480	120	1.3	10		0.05	0.00	0.00	0.000	0.299	0.00	0.03
74/08/22	1405	0	14.8	9.9		7.3	2.0	5800	190	3.0	0								
74/09/11	1515	0	16.0	7.8		7.3	4.0	10000	300	12.0	32		0.23	0.00	0.09	0.000	0.586	0.00	0.05
74/10/09	1355	0	12.7	6.3		7.4	2.0	25000	100	26.0	3		0.22	0.00	0.09	0.000	0.574	0.01	0.04
74/11/18	1510	0	9.1	11.2		7.3	3.0	6800	80L	4.2	12		0.22	0.00	0.13	0.000	0.345	0.00	0.03
NUMBER OF SAMPLES			8	8	0	8	8	8	8	8	8	0	7	7	7	7	7	7	6
MAXIMUM VALUE			16.00	13.20		7.50	6.00	30000.00	190.00	26.00	32.00		0.29	0.01	0.13	0.000	0.658	0.04	0.06
MINIMUM VALUE			6.50	6.30		7.20	2.00	14.00	10.00	1.00	0.00		0.05	0.00	0.00	0.000	0.288	0.00	0.01
ARITHMETIC MEAN			10.95	10.03		7.34	3.75	8630.50	87.50	6.65	12.50		0.18	0.00	0.03	0.000	0.443	0.01	0.04
GEOMETRIC MEAN			10.45	9.78		7.34	3.48	1734.03	66.17	3.78	5.91		0.16	0.04	0.06	0.050	0.420	0.04	0.03
LOG/GEOMETRIC MEAN			2.35	2.28		1.99	1.25	7.47	4.19	1.33	1.78		-1.85	-3.23	-2.99	-2.998	-0.867	-3.36	-3.44
MEDIAN			10.85	10.40		7.30	3.50	3220.00	80.00	3.00	11.00		0.22	0.00	0.09	0.000	0.353	0.00	0.04
STANDARD DEV OF LOGS			0.33	0.24		0.01	0.42	2.39	0.93	1.08	2.04		0.65	0.61	0.56	0.000	0.350	0.60	0.63
STANDARD DEVIATION			3.48	2.28		0.09	1.49	12010.24	56.51	8.55	9.97		0.09	0.00	0.05	0.000	0.156	0.01	0.02
VARIANCE			12.10	5.18		0.01	2.21	######.##	3192.86	73.12	99.43		0.01	0.00	0.00	0.000	0.024	0.00	0.00
COEFF OF VARIATION			31.77	22.70		1.25	39.68	139.16	64.58	128.59	79.77		47.57	264.58	226.1	0.000	35.226	209.44	47.76
SUM OF VALUES			87.60	80.20		58.70	30.00	69004.00	700.00	53.20	100.00		1.27	0.01	0.15	0.000	3.103	0.05	0.22
MEAN +2 STD DEV			17.91	14.58		7.52	6.73	32650.98	200.51	23.75	32.44		0.35	0.01	0.12	0.000	0.756	0.04	0.07
MEAN -2 STD DEV			3.99	5.47		7.15	0.77	-15389.98	-25.51	-10.45	-7.44		0.01	-0.01	-0.06	0.000	0.131	-0.02	0.00
GEO MEAN +2 STD DEV			20.36	15.92		7.52	8.07	207509.18	427.61	32.87	353.14		0.57	0.13	0.15	0.050	0.847	0.13	0.11
GEO MEAN -2 STD DEV			5.36	6.01		7.16	1.50	14.83	10.24	0.43	0.10		0.04	0.01	0.02	0.050	0.209	0.01	0.01
SUM OF SQUARES			1043.92	840.24		430.77	128.00	######.##	83600.00	865.62	1946.00		0.28	0.00	0.02	0.000	1.522	0.00	0.01

Table 12, continued (Depth = 10 m)

PS0013 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH ALTERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBILITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PB1 mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
74/10/04	1400	10	12.4	5.9		7.4	2.0	39000	28.0	0	0.19	0.00	0.00	0.000	0.561	0.01	0.04
NUMBER OF SAMPLES			1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
MAXIMUM VALUE			12.40	5.90		7.40	2.00	39000.00	28.00	0.00	0.19	0.00	0.00	0.000	0.561	0.01	0.04
MINIMUM VALUE			12.40	5.90		7.40	2.00	39000.00	28.00	0.00	0.19	0.00	0.00	0.000	0.561	0.01	0.04
ARITHMETIC MEAN																	
GEOMETRIC MEAN																	
LOG/GEOMETRIC MEAN																	
MEDIAN																	
STANDARD DEV OF LOGS																	
STANDARD DEVIATION																	
VARIANCE																	
COEFF OF VARIATION																	
SUM OF VALUES																	
MEAN +2 STD DEV																	
MEAN -2 STD DEV																	
GEO MEAN +2 STD DEV																	
GEO MEAN -2 STD DEV																	
SUM OF SQUARES																	

Table 12, continued (Depth = 0 m)

PS0412 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL FDT mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN IONZD AMMONIA PERCENT	00671 DIS ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
75/04/09	1530	0	9.0	11.1		7.2	3.0	12000	36	7.7	9		0.26	0.00	0.40	0.000	0.272	0.02	0.05
75/05/14	1445	0	10.0	12.3		6.9	8.0	430	140	1.0K	5		0.10	0.00	0.00	0.000	0.148	0.00	
75/06/11	1400	0	11.0	12.6		6.7	5.0	350	200	1.0K	5		0.08	0.00	0.30	0.000	0.101	0.02	0.05
75/07/09	1425	0	13.9	10.8		7.6	6.0	330	62	1.0K	10		0.00	0.00	0.02	0.000	0.993	0.02	0.04
75/08/13	1540	0	17.2	9.6		7.3	2.0	6300	28	4.7	10		0.10	0.00	0.32	0.000	0.640	0.04	0.07
75/09/10	1510	0	15.0	9.7		7.3	5.0	6600	1600	3.8	9		0.13	0.00	0.03	0.000	0.543	0.02	0.04
75/10/07	1500	0	10.7			7.3	4.0	6600	520	3.8	9		0.21	0.00	0.37	0.000	0.391	0.04	0.07
75/11/11	1100	0	6.0	11.2		6.7	3.0	6300	200	3.3	23		0.41	0.00	0.04	0.000	0.068	0.02	0.04
NUMBER OF SAMPLES			8	7	0	8	8	8	8	8	8	0	8	8	8	8	8	8	7
MAXIMUM VALUE			17.20	12.60		7.60	8.00	12000.00	520.00	7.70	23.00		0.41	0.00	0.07	0.000	0.993	0.04	0.07
MINIMUM VALUE			6.00	9.60		6.70	2.00	330.00	2.00	1.00	5.00		0.00	0.00	0.00	0.000	0.068	0.00	0.04
ARITHMETIC MEAN			11.60	11.04		7.13	4.50	3736.75	165.00	3.29	10.00		0.16	0.00	0.02	0.000	0.395	0.02	0.05
GEOMETRIC MEAN			11.08	10.99		7.12	4.14	1917.14	82.18	2.54	8.97		0.14	0.05	0.04	0.050	0.280	0.03	0.05
LOG/GEOMETRIC MEAN			2.41	2.40		1.96	1.42	3.56	4.41	0.93	2.19		-2.00	-3.00	-3.26	-2.998	-1.275	-3.62	-3.00
MEDIAN			10.85	11.10		7.25	4.50	3950.00	150.00	3.55	9.00		0.12	0.00	0.07	0.000	0.332	0.02	0.05
STANDARD DEV OF LOGS			0.33	0.10		0.05	0.44	1.42	1.70	0.81	0.48		0.69	0.00	0.16	0.000	0.948	0.40	0.25
STANDARD DEVIATION			3.59	1.15		0.32	1.93	3846.75	161.66	2.32	5.63		0.13	0.00	0.02	0.000	0.318	0.01	0.01
VARIANCE			12.87	1.33		0.11	3.71	######.##	26134.86	5.38	31.71		0.02	0.00	0.00	0.000	0.101	0.00	0.00
COEFF OF VARIATION			30.92	10.44		4.55	42.83	102.94	97.98	70.58	56.32		79.52	0.00	108.32	0.000	80.676	56.97	26.16
SUM OF VALUES			92.80	77.30		57.00	36.00	29910.00	1320.00	26.30	80.00		1.29	0.00	0.28	0.000	3.156	0.18	0.36
MEAN +2 STD DEV			18.77	13.35		7.77	8.35	11456.26	488.33	7.93	21.26		0.42	0.00	0.07	0.000	1.031	0.05	0.08
MEAN -2 STD DEV			4.43	8.74		6.48	0.65	-3956.76	-158.33	-1.35	-1.26		-0.10	0.00	-0.03	0.000	-0.242	0.00	0.02
GEO MEAN +2 STD DEV			21.50	13.56		7.80	10.07	32614.25	2472.97	12.86	23.29		0.54	0.05	0.09	0.050	1.860	0.06	0.08
GEO MEAN -2 STD DEV			5.72	8.91		6.50	1.70	112.69	2.73	0.50	3.45		0.03	0.05	0.02	0.050	0.042	0.01	0.03
SUM OF SQUARES			1166.54	861.59		406.86	188.00	######.##	400744.00	124.15	1022.00		0.32	0.00	0.41	0.000	1.554	0.01	0.02

Table 12, continued (Depth = 0 m)

P5501S SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 D.SSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00075 TRANSPAR SECCHI METERS	00630 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
76/04/14	1305	0	6.0	10.0		6.7	5.3	540	808	0.3	5		0.16	0.00	0.04	0.000	0.068	0.01	0.11
76/05/05	1520	0	8.0	10.8		7.2	13.0	500	130	0.1	0		0.13	0.00	0.04	0.000	0.252	0.01	0.06
76/06/23	1305	0	10.1	12.1		5.9	5.0	340	62	0.2	0		0.07	0.00	0.05	0.000	0.149	0.02	0.03
76/10/11	1415	0	14.0	9.4		7.1	2.0	8300	1608	4.6	0		0.13	0.00	0.13	0.000	0.319	0.04	0.04
76/11/08	1330	0	9.5	10.8		5.8	2.0	12000	74	6.7	9		0.23	0.01	0.13	0.000	0.113	0.04	0.06
NUMBER OF SAMPLES			5	5	0	5	5	5	5	5	5	0	5	5	5	5	5	5	5
MAXIMUM VALUE			14.00	12.10		7.20	13.00	12000.00	160.00	6.70	9.00		0.23	0.01	0.13	0.000	0.319	0.04	0.11
MINIMUM VALUE			6.00	9.40		6.70	2.00	340.00	62.00	0.10	0.00		0.07	0.00	0.04	0.000	0.068	0.01	0.03
ARITHMETIC MEAN			9.52	10.58		6.94	5.40	4336.00	101.20	2.38	2.80		0.14	0.00	0.08	0.000	0.180	0.02	0.06
GEOMETRIC MEAN			9.16	10.54		6.94	4.29	1556.76	94.74	0.71	0.35		0.13	0.04	0.07	0.050	0.156	0.02	0.05
LOG/GEOMETRIC MEAN			2.21	2.36		1.94	1.46	7.35	4.55	-0.34	-1.04		-0.01	-3.32	-2.70	-2.998	-1.859	-3.91	-2.91
MEDIAN			9.50	10.60		6.90	5.00	540.00	80.00	0.30	0.00		0.13	0.00	0.05	0.000	0.149	0.02	0.06
STANDARD DEV OF LOGS			0.31	0.09		0.03	0.74	1.71	0.40	1.92	2.69		0.43	0.72	0.61	0.000	0.620	0.69	0.49
STANDARD DEVIATION			2.96	1.01		0.21	4.5.	5466.78	41.87	3.08	4.09		0.08	0.00	0.05	0.000	0.103	0.02	0.03
VARIANCE			8.78	1.02		0.04	20.39	######.##	1753.20	9.47	16.70		0.00	0.00	0.00	0.000	0.011	0.00	0.00
COEFF OF VARIATION			31.12	9.56		2.99	83.4.	126.08	41.37	129.28	145.95		60.37	223.61	61.08	0.000	57.201	63.19	51.37
SUM OF VALUES			47.60	52.90		34.70	27.00	21680.00	506.00	11.90	14.00		0.72	0.01	0.39	0.000	0.901	0.12	0.30
MEAN +2 STD DEV			15.45	12.60		7.35	14.4.	15229.56	184.94	8.53	10.97		0.28	0.01	0.17	0.000	0.386	0.05	0.12
MEAN -2 STD DEV			3.59	8.56		6.53	-3.61	-6597.56	17.46	-3.77	-5.37		0.03	-0.01	-0.02	0.000	-0.026	-0.01	0.00
GEO MEAN +2 STD DEV			17.08	12.73		7.36	20.00	47598.68	211.40	33.08	77.29		0.32	0.15	0.23	0.050	0.539	0.08	0.15
GEO MEAN -2 STD DEV			4.91	8.73		6.54	0.88	50.92	42.46	0.02	0.00		0.06	0.01	0.02	0.050	0.045	0.01	0.02
SUM OF SQUARES			488.26	563.77		240.99	227.00	######.##	58220.00	66.19	136.00		0.12	0.00	0.04	0.000	0.205	0.00	0.02

Table 12, continued (Depth = 0 m)

PSS015 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
77/04/11	1340	0	8.0	12.1		6.8	3.0	4900	348	2.6	5		0.26	0.00	0.05	0.000	0.100	0.02	0.03
77/05/09	1255	0	11.3	11.3		6.6	2.0	2800		2.2	9		0.21	0.00	0.43	0.000	0.082	0.01	0.02
77/06/13	1450	0	14.0	12.3		7.0	2.0	6000	248	3.2	5	7.0	0.11	0.00	0.04	0.000	0.253	0.04	
77/07/13	1435	0	14.0	6.73		7.6	3.0	25000	40	16.4	9	1.4	0.30	0.00	0.46	0.001	1.000	0.02	0.03
77/08/09	1420	0	20.0	8.4		7.9	1.0	31000	68	20.18	14	2.4	0.09	0.00	0.08	0.002	3.059	0.04	0.08
77/09/13	1415	0	15.2			7.2	2.0	3300	2408	1.8		2.0	0.18	0.00				0.02	0.03
77/10/17	1500	0	10.5	9.8		7.5	2.0	12900	210	8.2	9		0.24	0.00	0.08	0.000	0.609	0.04	0.06
NUMBER OF SAMPLES			7	6	0	7	7	7	6	7	6	4	7	7	4	6	6	7	6
MAXIMUM VALUE			20.00	12.30		7.90	3.00	31000.00	240.00	20.10	14.00	7.00	0.30	0.00	0.48	0.002	3.059	0.04	0.08
MINIMUM VALUE			8.00	6.70		6.60	1.00	2800.00	6.00	1.80	5.00	1.40	0.04	0.00	0.03	0.000	0.082	0.01	0.02
ARITHMETIC MEAN			13.29	10.10		7.23	2.14	12271.43	92.33	7.79	8.50	3.21	0.19	0.00	0.06	0.001	0.851	0.03	0.04
GEOMETRIC MEAN			12.81	9.88		7.22	2.03	8300.79	46.32	5.09	7.96	2.63	0.16	0.05	0.05	0.015	0.396	0.02	0.04
LOG/GEOMETRIC MEAN			2.55	2.29		1.98	0.71	9.02	3.84	1.63	2.07	0.97	-1.81	-3.00	-2.93	-4.186	-0.926	-3.71	-3.30
MEDIAN			14.00	10.55		7.20	2.00	6000.00	37.00	3.20	9.00	2.22	0.21	0.00	0.36	0.000	0.431	0.02	0.03
STANDARD DEV OF LOGS			0.29	0.24		0.06	0.37	0.96	1.39	0.99	0.40	0.69	0.70	0.00	0.39	1.853	1.400	0.52	0.52
STANDARD DEVIATION			3.86	2.23		0.46	0.69	11380.36	103.84	7.54	3.33	2.56	0.09	0.00	0.32	0.001	1.137	0.01	0.02
VARIANCE			14.90	4.96		0.22	0.48	######.##	10783.07	56.83	11.10	6.57	0.01	0.00	0.90	0.000	1.294	0.00	0.00
COEFF OF VARIATION			29.06	22.06		6.43	32.20	92.74	112.46	96.82	39.20	79.82	47.15	0.00	36.45	167.332	133.739	46.18	55.60
SUM OF VALUES			93.00	60.60		50.60	15.00	85900.00	554.00	54.50	51.00	12.84	1.34	0.00	0.34	0.003	5.103	0.17	0.25
MEAN +2 STD DEV			21.01	14.56		8.16	3.52	35031.54	300.02	22.86	15.16	8.33	0.37	0.00	0.10	0.002	3.125	0.05	0.05
MEAN -2 STD DEV			5.57	5.64		6.30	0.76	-10488.69	-115.35	-7.29	1.84	-1.91	0.01	0.00	0.02	-0.001	-1.424	0.00	0.00
GEO MEAN +2 STD DEV			23.08	15.91		8.21	4.24	56931.47	752.70	37.23	17.69	10.49	0.66	0.05	0.12	0.619	6.512	0.07	0.10
GEO MEAN -2 STD DEV			7.11	6.13		6.35	0.98	1210.34	2.85	0.70	3.58	0.66	0.04	0.05	0.02	0.000	0.024	0.01	0.01
SUM OF SQUARES			1324.98	636.88		367.06	35.00	######.##	105068.00	765.29	489.00	60.91	0.31	0.00	0.02	0.000	10.809	0.01	0.01

Table 12, continued (Depth = 0 m)

P55015 SKUKUMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
78/05/08	1430	0	10.5			7.2	3.0	435	540	0.1	0		0.20	0.00	0.03	0.000	0.306	0.01	0.02
78/06/12	1410	0	13.2			7.4	4.0	4420	1208	2.5	0		0.09	0.00	0.03	0.000	0.596	0.01	0.03
78/07/12	1430	0	15.9			7.4	2.0	5300	210	3.0	0		0.10	0.00	0.05	0.000	0.731	0.02	0.07
78/08/07	1510	0	21.5	10.4		7.8	3.0	1220	6208	0.6	0		0.01	0.00	0.01	0.000	2.719	0.02	0.04
78/09/11	1700	0	14.1	10.1		7.2	3.0	3680	590	1.7			0.17	0.00	0.08	0.000	0.404	0.00	0.15
78/10/09	1345	0	13.2	7.7		7.8	3.0	29500	606	21.9			0.23	0.00	0.16	0.002	1.484	0.05	0.07
78/11/13	1335	0	3.9	13.0		7.2	3.0	2860	1608	1.4	9		0.55	0.02K	0.07	0.000	0.131	0.00	0.04
NUMBER OF SAMPLES			7	4	0	7	7	7	7	7	5	0	7	7	7	7	7	7	7
MAXIMUM VALUE			21.50	13.00		7.80	4.00	29500.00	620.00	21.90	9.00		0.55	0.02	0.16	0.002	2.719	0.05	0.15
MINIMUM VALUE			3.90	7.70		7.20	2.00	435.00	60.00	0.10	0.00		0.01	0.00	0.01	0.000	0.131	0.00	0.02
ARITHMETIC MEAN			13.19	10.30		7.43	3.00	6773.57	328.57	4.46	1.80		0.19	0.00	0.06	0.000	0.917	0.02	0.05
GEOMETRIC MEAN			11.93	10.13		7.42	2.95	3253.64	241.41	1.57	0.14		0.12	0.04	0.05	0.032	0.630	0.02	0.04
LOG/GEOMETRIC MEAN			2.48	2.32		2.00	1.08	8.09	5.49	0.45	-1.96		-2.11	-3.13	-3.09	-3.457	-0.462	-3.72	-3.19
MEDIAN			13.20	10.25		7.40	3.00	3680.00	210.00	1.70	0.00		0.17	0.00	0.05	0.000	0.596	0.01	0.04
STANDARD DEV OF LOGS			0.54	0.21		0.04	0.20	1.31	0.91	1.64	2.32		1.25	0.35	0.89	1.218	0.928	0.73	0.72
STANDARD DEVIATION			5.33	2.17		0.27	0.58	10166.18	243.61	7.76	4.02		0.17	0.01	0.05	0.001	0.902	0.02	0.05
VARIANCE			28.46	4.70		0.07	0.33	######.##	59347.62	60.17	16.20		0.03	0.00	0.00	0.000	0.814	0.00	0.00
COEFF OF VARIATION			40.46	21.05		3.62	19.25	150.09	74.14	174.03	223.61		90.34	264.58	81.08	264.575	98.363	109.14	87.19
SUM OF VALUES			92.30	41.20		52.00	21.00	47415.00	2300.00	31.20	9.00		1.35	0.02	0.43	0.002	6.421	0.11	0.37
MEAN +2 STD DEV			23.86	14.84		7.97	4.15	27105.93	815.20	19.97	9.85		0.54	0.02	0.16	0.002	2.722	0.05	0.15
MEAN -2 STD DEV			2.52	5.96		6.89	1.85	-13558.79	-158.66	-11.06	-6.25		-0.16	-0.01	-0.04	-0.001	0.887	-0.02	-0.04
GEO MEAN +2 STD DEV			35.07	15.55		7.88	4.42	44342.52	1485.35	41.59	14.70		1.49	0.09	0.27	0.359	4.034	0.10	0.17
GEO MEAN -2 STD DEV			4.06	6.59		6.91	1.97	238.74	39.24	0.06	0.00		0.01	0.02	0.01	0.003	0.093	0.01	0.01
SUM OF SQUARES			1387.81	438.46		386.72	65.00	######.##	######.##	500.08	81.00		0.44	0.00	0.04	0.000	10.774	0.00	0.01

Table 12, continued (Depth = 0 m)

PSS015 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL P8I mg/l	00673 TRANSPAR SECCHI METERS	00630 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
79/04/09	1500	0	7.9	12.4		7.1	2.0	669	450	0.3	0		0.40	0.01K	0.07	0.000	0.198	0.03	0.04
79/05/08	1325	0	9.0	11.8		7.3	3.0	254		0.1	9	1.5	0.17	0.01K	0.07	0.000	0.342	0.03	0.07
79/06/11	1330	0	13.0			7.2	2.0	364	660	4.8	28		0.03	0.01K	0.03	0.000	0.371	0.03	0.05
79/07/17	1405	0	18.7	12.0		7.3	2.0	5400	808	3.1	5	2.5	0.06	0.01K	0.05	0.000	0.715	0.02	0.03
79/08/28	1410	0	17.0	7.1	76.4	7.3	2.0	13100	54	8.5	5	2.0	0.05	0.02K	0.11	0.001	0.631	0.05	0.08
79/09/11	1455	0	15.5	9.3	95.2	7.4	2.0	9110	3308	5.1	5	2.0	0.07	0.01K	0.10	0.001	0.709	0.05	0.05
79/10/16	1425	0				7.5	.0	30000	40	24.2	18	3.7	0.25	0.01K	0.05			0.06	0.07
NUMBER OF SAMPLES			6	5	2	7	7	7	6	7	7	5	7	7	7	6	6	7	7
MAXIMUM VALUE			18.70	12.40	95.20	7.50	3.00	30000.00	660.00	24.20	28.00	3.70	0.40	0.02	0.11	0.001	0.715	0.06	0.08
MINIMUM VALUE			7.90	7.10	76.40	7.10	1.00	254.00	40.00	0.10	0.00	1.50	0.03	0.01	0.03	0.000	0.198	0.02	0.03
ARITHMETIC MEAN			13.52	10.52	85.80	7.30	2.00	8412.57	269.00	6.59	10.00	2.34	0.15	0.01	0.07	0.000	0.494	0.04	0.06
GEOMETRIC MEAN			12.87	10.30	85.28	7.30	1.92	2746.79	160.25	2.45	4.32	2.23	0.10	0.01	0.06	0.014	0.448	0.04	0.05
LOG/GEOMETRIC MEAN			2.56	2.33	4.45	1.99	0.65	7.92	5.08	0.90	1.46	0.80	-1.26	-4.51	-2.76	-4.301	-0.804	-3.32	-2.94
MEDIAN			14.25	11.80	85.80	7.30	2.00	5400.00	205.00	4.80	5.00	2.00	0.09	0.01	0.07	0.000	0.501	0.03	0.05
STANDARD DEV OF LOGS			0.35	0.24	0.16	0.02	0.32	1.91	1.20	1.91	2.08	0.34	0.93	0.28	0.45	2.019	0.514	0.39	0.35
STANDARD DEVIATION			4.36	2.27	13.29	0.13	0.58	10715.99	254.46	8.29	9.70	0.84	0.13	0.00	0.03	0.001	0.219	0.01	0.02
VARIANCE			19.03	5.14	176.72	0.02	0.33	NNNNNN.NN	64750.00	68.76	94.00	0.70	0.02	0.00	0.00	0.000	0.048	0.00	0.00
COEFF OF VARIATION			32.27	21.54	15.49	1.77	28.87	127.38	94.59	125.80	96.95	35.83	85.86	33.07	41.61	154.919	44.291	37.95	32.53
SUM OF VALUES			81.10	52.60	171.60	51.10	14.00	58888.00	1614.00	46.14	70.00	11.70	1.05	0.03	0.48	0.002	2.966	0.27	0.39
MEAN +2 STD DEV			22.24	15.05	112.39	7.56	3.15	29844.56	777.92	25.18	29.39	4.02	0.42	0.02	0.13	0.001	0.932	0.07	0.09
MEAN -2 STD DEV			4.79	5.99	59.21	7.04	0.85	-13019.42	-239.92	-9.99	-9.39	0.66	-0.12	0.00	0.01	-0.001	0.056	0.01	0.02
GEO MEAN +2 STD DEV			26.01	16.55	116.41	7.56	3.68	124701.45	1761.63	112.55	278.75	4.37	0.23	0.02	0.15	0.769	1.251	0.08	0.11
GEO MEAN -2 STD DEV			6.37	6.41	62.48	7.05	1.00	60.50	14.58	0.05	0.07	1.14	0.02	0.01	0.03	0.000	0.160	0.02	0.03
SUM OF SQUARES			1191.35	573.90	14900.00	373.13	30.00	NNNNNN.NN	757916.00	716.63	1264.00	30.19	0.27	0.00	0.04	0.000	1.706	0.01	0.02

Table 12, continued (Depth = 0 m)

P5301 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PB1 mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
80/04/14	1450	0	10.0	10.6	93.9	7.3	3.0	1440	1148	0.7		1.5	0.25	0.01K	0.03	0.000	0.370	0.01K	0.02
80/05/13	1520	0	10.0	14.1	129.5	7.8	2.0	12400	58	6.8	0	1.5	0.08	0.01K	0.05	0.001	1.162	0.01	0.01
80/06/10	1540	0	14.1	11.4	119.5	8.1	2.0	21200	38	14.1		2.5	0.01	0.01K	0.03	0.001	3.119	0.05	0.05
80/07/09	1515	0	15.4	9.0	100.8	8.1	2.0	34200	56	20.7	5	2.2	0.02	0.01K	0.01	0.000	3.431	0.01	0.05
80/08/12	1500	0	19.0	9.9	107.6	7.8	1.0	5070	1708	3.1	0	1.5	0.12	0.01K	0.03	0.001	2.276	0.02	0.07
80/09/08	1515	0	15.5	6.5	69.8	7.7	2.0	17900	43	13.4	9	1.8	0.22	0.01K	0.04	0.001	1.405	0.03	0.06
80/10/21	1350	0	11.7	7.5	78.2	7.9	2.0	28900	828	21.4	9	2.0	0.25	0.01K	0.08	0.001	1.662	0.06	0.08
80/11/18	1415	0	10.0	8.3	82.4	7.4	1.0	26200	192	19.4	5	3.0	0.35	0.01K	0.04	0.000	0.466	0.05	0.06
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	6	8	8	8	8	8	8	8	8
MAXIMUM VALUE			19.00	14.10	129.50	8.10	3.00	34200.00	192.00	21.40	9.00	3.00	0.35	0.01	0.08	0.001	3.431	0.05	0.08
MINIMUM VALUE			10.00	6.50	69.80	7.30	1.00	1440.00	38.00	0.70	0.00	1.50	0.01	0.01	0.01	0.000	0.370	0.01	0.01
ARITHMETIC MEAN			13.21	9.66	97.71	7.76	1.88	18413.75	94.13	12.45	4.67	2.01	0.16	0.01	0.04	0.001	1.736	0.03	0.05
GEOMETRIC MEAN			12.86	9.41	95.79	7.76	1.77	13141.68	79.65	8.36	1.31	1.95	0.10	0.01	0.03	0.004	1.355	0.02	0.04
LOG/GEOMETRIC MEAN			2.55	2.24	4.56	2.05	0.57	9.48	4.38	2.12	0.27	0.67	-2.31	-4.61	-3.39	-5.441	0.304	-3.75	-3.17
MEDIAN			12.90	9.45	97.35	7.80	2.00	19550.00	70.00	13.75	5.00	1.70	0.17	0.01	0.04	0.001	1.534	0.03	0.06
STANDARD DEV OF LOGS			0.25	0.25	0.21	0.04	0.36	1.08	0.61	1.20	2.54	0.26	1.30	0.00	0.60	2.024	0.821	0.78	0.72
STANDARD DEVIATION			3.33	2.41	20.71	0.29	0.64	11527.29	59.04	8.08	4.03	0.55	0.12	0.00	0.02	0.001	1.134	0.02	0.02
VARIANCE			11.08	5.80	428.76	0.09	0.41	######.##	3485.84	65.36	16.27	0.30	0.02	0.00	0.00	0.000	1.286	0.00	0.00
COEFF OF VARIATION			25.19	24.93	21.19	3.77	34.18	62.60	62.73	64.93	86.43	27.32	75.71	0.00	52.41	82.808	65.305	69.01	47.81
SUM OF VALUES			105.70	77.30	781.70	62.10	15.00	147310.00	753.00	99.60	28.00	16.05	1.30	0.08	0.31	0.005	13.891	0.24	0.40
MEAN +2 STD DEV			19.87	14.48	139.13	8.35	3.16	41468.33	212.21	28.62	12.73	3.10	0.41	0.01	0.08	0.002	4.004	0.07	0.10
MEAN -2 STD DEV			6.56	4.84	56.30	7.18	0.59	-4640.83	-25.96	-3.72	-3.40	0.91	-0.08	0.01	0.00	0.000	-0.531	-0.01	0.00
GEO MEAN +2 STD DEV			21.07	15.39	146.94	8.37	3.77	113515.57	271.43	92.29	212.44	3.29	1.34	0.01	0.11	0.248	7.001	0.11	0.18
GEO MEAN -2 STD DEV			7.85	5.75	62.45	7.19	0.85	1521.41	23.37	0.76	0.01	1.15	0.01	0.01	0.01	0.000	0.262	0.00	0.01
SUM OF SQUARES			1474.11	787.53	79383.15	482.65	31.00	########.##	95277.00	1697.52	212.00	34.30	0.32	0.00	0.01	0.000	33.121	0.01	0.02

Table 12, continued (Depth = 0 m)

P5S015 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL FBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
81/05/26	1350	0	11.5	10.9	99.7	7.3	7.0	576	4708	0.3		0.7	0.15	0.01K	0.05	0.000	0.416	0.01	0.01
81/06/16	1435	0	12.5	10.6	99.2	7.4	6.0	853	220	0.5	5	0.5	0.19	0.01K	0.07	0.000	0.565	0.02	0.03
81/07/27	1410	0				8.2	1.0	24900	23	19.4	27	2.2	0.03	0.01K	0.05			0.01	0.04
81/08/18	1410	0	15.0	7.8	89.3	7.6	1.0	2670	1708	1.7	5	1.5	0.15	0.01K	0.05	0.001	1.078	0.01	0.06
81/09/14	1400	0	17.0			7.6	3.0	8310	100	5.3	0	1.5	0.21	0.01K	0.06	0.001	1.751	0.55	0.07
81/10/21	1425	0	10.5	7.8	80.5	7.7	2.0	28400	108	23.7	0	2.0	0.30	0.01	0.03	0.000	0.962	0.06	0.08
81/11/03	1445	0	10.1	10.4	94.6	7.4	3.0	7530	180	4.8	9	1.8	0.30	0.01	0.08	0.000	0.469	0.03	0.04
NUMBER OF SAMPLES			6	5	5	7	7	7	7	7	6	7	7	7	7	6	6	7	7
MAXIMUM VALUE			17.00	10.90	99.70	8.20	7.00	28400.00	470.00	23.70	27.00	2.20	0.30	0.01	0.08	0.001	1.251	0.55	0.08
MINIMUM VALUE			10.10	7.80	80.50	7.30	1.00	576.00	10.00	0.30	0.00	0.50	0.03	0.01	0.03	0.000	0.416	0.01	0.01
ARITHMETIC MEAN			12.77	9.50	92.66	7.60	3.29	10462.71	167.57	7.96	7.67	1.45	0.19	0.01	0.06	0.000	0.790	0.07	0.05
GEOMETRIC MEAN			12.54	9.39	92.37	7.60	2.58	4792.28	95.56	3.14	1.57	1.30	0.15	0.01	0.05	0.014	0.723	0.03	0.04
LOG/GEOMETRIC MEAN			2.53	2.24	4.53	2.03	0.95	8.47	4.56	1.14	0.45	0.26	-1.87	-4.61	-2.93	-4.301	-0.324	-3.59	-3.22
MEDIAN			12.00	10.40	94.60	7.60	3.00	7530.00	170.00	4.80	5.00	1.50	0.19	0.01	0.05	0.000	0.784	0.03	0.04
STANDARD DEV OF LOGS			0.21	0.17	0.09	0.04	0.78	1.54	1.36	1.69	2.74	0.56	0.76	0.00	0.32	2.019	0.468	1.31	0.70
STANDARD DEVIATION			2.71	1.56	7.99	0.30	2.36	11505.34	155.28	9.57	10.07	0.64	0.10	0.00	0.02	0.001	0.352	0.12	0.02
VARIANCE			7.37	2.44	63.81	0.09	5.57	######.##	24111.29	91.53	101.47	0.41	0.01	0.00	0.00	0.000	0.124	0.02	0.00
COEFF OF VARIATION			21.26	16.44	8.62	3.95	71.84	109.97	92.66	120.24	131.39	43.92	51.32	0.00	29.05	154.919	44.514	178.24	51.54
SUM OF VALUES			76.60	47.50	463.30	53.20	23.00	73239.00	1173.00	55.70	46.00	10.20	1.31	0.07	0.39	0.002	4.741	0.49	0.33
MEAN +2 STD DEV			18.19	12.62	108.64	8.20	8.01	33473.39	478.13	27.09	27.81	2.74	0.38	0.01	0.09	0.001	1.494	0.32	0.10
MEAN -2 STD DEV			7.34	6.38	76.68	7.00	-1.44	-12547.96	-142.98	-11.18	-12.48	0.15	0.00	0.01	0.02	-0.001	0.087	0.18	0.00
GEO MEAN +2 STD DEV			18.90	13.21	110.33	8.21	12.17	103924.89	1449.49	91.98	379.28	4.01	0.75	0.01	0.10	0.769	1.844	0.38	0.16
GEO MEAN -2 STD DEV			8.32	6.68	77.34	7.03	0.55	220.99	6.30	0.11	0.01	0.42	0.03	0.01	0.03	0.000	0.284	0.00	0.01
SUM OF SQUARES			1014.76	461.01	43184.63	404.86	109.00	######.##	341229.00	992.41	860.00	17.32	0.30	0.00	0.02	0.000	4.365	0.13	0.02

Table 12, continued (Depth = 0 m)

PS5017 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
82/04/26	1435	0	9.0	12.5	108.0	7.8	5.0	131	180	0.4	0	1.5	0.23	0.01	0.22	0.002	1.075	0.01	0.02
82/05/17	1355	0	9.5	12.6	110.1	7.3	7.0	575	120	0.3	0	1.0	0.13	0.01K	0.03	0.000	0.356	0.02	0.03
82/06/21	1425	0	12.0	11.7	109.0	7.2	17.0		140	0.1	5	0.5	0.02	0.01K	0.05	0.000	0.344	0.02	0.05
82/07/27	1440	0	17.5	8.1	85.1	7.3	3.0	3900	76	2.4	5	3.5	0.07	0.01K	0.14	0.001	0.655	0.01	0.03
82/08/16	1510	0	15.6	8.6	96.3	7.9	3.0	24400	140	20.1	0	2.4	0.17	0.01K	0.07	0.002	1.225	0.02	0.04
82/09/21	1435	0	14.8	8.7	87.3	7.5	1.0	6240	2700	4.1	5	2.5	0.19	0.01K	0.09	0.001	0.546	0.05	0.05
82/10/27	1445	0				7.6	5.0	13000	320	10.0	5	2.0	0.27	0.01	0.08			0.03	0.06
82/11/15	1405	0	5.4	11.7	95.9	7.5	2.0	8990	200	6.2	5	2.0	0.29	0.01K	0.09	0.000	0.407	0.04	0.05
NUMBER OF SAMPLES			7	7	7	8	8	7	8	8	8	8	8	8	8	7	7	8	8
MAXIMUM VALUE			17.50	12.60	110.10	7.90	17.00	24400.00	320.00	20.10	5.00	3.50	0.29	0.01	0.22	0.002	1.225	0.05	0.06
MINIMUM VALUE			5.40	8.10	85.10	7.20	1.00	131.00	76.00	0.10	0.00	0.50	0.02	0.01	0.03	0.000	0.344	0.01	0.02
ARITHMETIC MEAN			11.97	10.36	98.81	7.51	5.38	8176.57	180.75	5.45	3.13	1.93	0.17	0.01	0.09	0.001	0.844	0.03	0.04
GEOMETRIC MEAN			11.22	10.39	98.34	7.51	3.90	3397.68	165.25	1.87	0.89	1.85	0.13	0.01	0.08	0.007	0.678	0.02	0.04
LOG/GEOMETRIC MEAN			2.42	2.34	4.59	2.02	1.36	8.13	5.11	0.62	-0.12	0.53	-3.01	-4.61	-2.56	-5.034	-0.388	-3.83	-3.24
MEDIAN			12.00	11.70	96.30	7.50	4.00	6240.00	160.00	3.25	5.00	2.00	0.18	0.01	0.09	0.001	0.655	0.02	0.05
STANDARD DEV OF LOGS			0.41	0.20	0.11	0.03	0.85	1.86	0.46	1.88	2.38	0.62	0.89	0.00	0.69	1.926	0.654	0.59	0.37
STANDARD DEVIATION			4.28	1.99	10.42	0.25	5.07	8482.15	80.81	6.84	2.59	0.55	0.09	0.00	0.06	0.001	0.668	0.01	0.01
VARIANCE			18.31	3.98	108.49	0.06	25.70	#####	6530.21	46.81	6.70	0.93	0.01	0.00	0.00	0.000	0.446	0.00	0.00
COEFF OF VARIATION			35.74	18.90	10.54	3.29	94.31	103.74	44.71	125.54	82.81	50.01	55.17	0.00	66.23	104.969	79.112	56.57	32.88
SUM OF VALUES			83.80	73.90	691.70	60.10	43.00	57236.00	1446.00	43.60	25.00	15.49	1.37	0.08	0.75	0.006	5.908	0.20	0.33
MEAN +2 STD DEV			20.53	14.55	119.65	8.01	15.51	25140.87	342.37	19.13	8.30	3.89	0.36	0.01	0.22	0.003	2.180	0.05	0.07
MEAN -2 STD DEV			3.41	6.57	77.98	7.02	-4.76	-8787.73	19.13	-8.23	-2.05	0.06	-0.02	0.01	-0.03	-0.001	-0.492	0.00	0.01
GEO MEAN +2 STD DEV			25.37	15.35	121.73	8.02	21.39	140457.28	414.78	80.94	104.65	5.69	0.80	0.01	0.30	0.306	2.866	0.07	0.08
GEO MEAN -2 STD DEV			4.96	7.03	79.44	7.03	0.71	82.19	65.83	0.04	0.01	0.41	0.02	0.01	0.02	0.000	0.173	0.01	0.02
SUM OF SQUARES			1113.06	804.05	69000.81	451.93	411.00	#####	307076.00	565.28	125.00	35.28	0.30	0.00	0.10	0.000	2.862	0.01	0.01

Table 12, continued (Depth = 0 m)

PSS015 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
83/04/18	1345	0	11.5	12.4	113.5	7.3	7.0	8*8	360B	0.5	5	2.0	0.24	0.01K	0.04	0.000	0.416	0.02	0.04
83/05/23	1325	0	13.0	12.1	114.3	7.4	4.0	250	85	0.1	5	2.5	0.07	0.01K	0.03	0.000	0.587		0.01
83/06/27	1135	0	14.0	9.9	95.9	7.4	6.0	1310	250	0.8	5	1.5	0.11	0.01K	0.03	0.000	0.634	0.02	0.02
83/07/19	1425	0	14.3	10.8	105.2	7.2	7.0	1140	170	0.7	5	0.7	0.15	0.01K	0.04	0.000	0.410	0.02	0.03
83/08/23	1415	0	18.0	9.3	100.5	7.7	4.0	9240	160	5.7	0	2.0	0.03	0.01K	0.02	0.000	1.689	0.02	0.04
83/09/26	1455	0	14.1	9.5	94.3	7.4	5.0	7910	270	4.8	0	1.0	0.22	0.01K	0.10	0.001	0.838	0.04	0.04
83/10/26	1435	0	10.0	11.4	106.3	7.4	3.0	14940	230	9.3	9	1.5	0.38	0.01K	0.12	0.001	0.466	0.04	0.04
83/11/14	1435	0	8.8			7.3	8.0	4710	210	2.8	9	0.9	0.40	0.01K	0.10	0.000	0.337	0.03	0.03
NUMBER OF SAMPLES			8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	7	8
MAXIMUM VALUE			18.00	12.40	114.30	7.70	8.00	14900.00	360.00	9.30	9.00	2.50	0.40	0.01	0.12	0.001	1.689	0.04	0.04
MINIMUM VALUE			8.80	9.30	94.30	7.20	3.00	250.00	85.00	0.10	0.00	0.70	0.07	0.01	0.02	0.000	0.337	0.02	0.01
ARITHMETIC MEAN			12.96	10.77	104.29	7.39	5.25	5063.50	216.88	3.09	4.75	1.51	0.15	0.01	0.06	0.000	0.647	0.03	0.03
GEOMETRIC MEAN			12.68	10.71	104.03	7.39	4.91	2558.58	201.46	1.45	1.83	1.39	0.16	0.01	0.05	0.019	0.567	0.03	0.03
LOG/GEOMETRIC MEAN			2.54	2.37	4.64	2.00	1.59	7.85	5.31	0.37	0.60	0.33	-1.80	-4.61	-3.01	-3.975	-0.567	-3.66	-3.55
MEDIAN			13.50	10.80	105.20	7.40	5.00	3050.00	220.00	1.80	5.00	1.50	0.19	0.01	0.04	0.000	0.527	0.02	0.04
STANDARD DEV OF LOGS			0.23	0.12	0.08	0.02	0.40	1.41	0.43	1.53	2.24	0.45	0.62	0.00	0.67	1.810	0.497	0.33	0.49
STANDARD DEVIATION			2.87	1.25	7.90	0.15	1.98	5239.34	82.33	3.27	3.41	0.63	0.11	0.00	0.04	0.000	0.436	0.01	0.01
VARIANCE			8.25	1.56	62.41	0.02	3.93	######.##	6778.13	10.71	11.64	0.39	0.01	0.00	0.00	0.000	0.190	0.00	0.00
COEFF OF VARIATION			22.16	11.59	7.58	1.97	37.75	103.47	37.96	106.01	71.84	41.43	58.52	0.00	66.07	185.164	67.307	35.04	36.03
SUM OF VALUES			103.70	75.40	730.00	59.10	42.00	40508.00	1735.00	24.70	38.00	12.10	1.35	0.08	0.48	0.002	5.177	0.19	0.25
MEAN +2 STD DEV			18.71	13.27	120.09	7.68	5.21	15542.18	381.53	9.63	11.57	2.77	0.42	0.01	0.14	0.001	1.518	0.05	0.05
MEAN -2 STD DEV			7.22	8.27	88.49	7.10	1.29	-5415.18	52.22	-3.46	-2.07	0.26	-0.03	0.01	-0.02	-0.001	-0.224	0.01	0.01
GEO MEAN +2 STD DEV			19.94	13.51	121.07	7.68	10.85	43095.88	479.39	30.94	160.92	3.39	0.57	0.01	0.19	0.701	1.533	0.05	0.08
GEO MEAN -2 STD DEV			8.07	8.49	89.39	7.10	2.22	151.90	84.66	0.07	0.02	0.57	0.05	0.01	0.01	0.001	0.210	0.01	0.01
SUM OF SQUARES			1401.99	821.52	76503.02	436.75	248.00	######.##	423725.00	151.75	262.00	21.05	0.37	0.00	0.04	0.000	4.675	0.01	0.01

Table 12, continued (Depth = 0 m)

FS5015 SNOHOMISH RIVER AT HIGHWAY 99 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
84/04/10	1410	0	8.9	13.5	118.6	7.4	5.0	6100	270	3.6	0	2.0	0.36	0.01K	0.10	0.000	0.427	0.04	0.04
84/05/14	1310	0	10.0	13.1	115.7	7.6	8.0	75	200	0.1	0	2.5	0.18	0.01K	0.04	0.000	0.736	0.05	0.08
84/06/11	1355	0	11.9	11.8	108.8	7.8	5.0	607	320	0.1	5	1.5	0.16	0.01K	0.10	0.001	1.345	0.02	0.05
84/07/16	1350	0	17.0	11.1	114.0	7.6	6.0	156	96	0.1	0	2.5	0.08	0.01K	0.10	0.001	1.251	0.03	0.14
84/08/13	1400	0	18.0	9.4	98.8	7.5	2.0	887	520	0.6	0	3.0	0.14	0.01K	0.05	0.000	1.073	0.02	0.04
84/09/10	1410	0	14.5	10.4	102.6	7.3	5.0	5630	160	2.2	18	2.5	0.18	0.01K	0.09	0.000	0.525	0.03	0.10
84/10/16	1425	0	9.8	11.8	107.6	7.4	5.0	8770	390	6.4	0	2.5	0.28	0.01K	0.12	0.001	0.459	0.04	0.10
84/11/13	1415	0	8.2	11.7	100.9	7.2	5.0	5870	710J	3.3	5	1.4	0.40	0.01K	0.06	0.000	0.256	0.02	0.04
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			18.00	13.50	118.60	7.80	8.00	8770.00	710.00	6.40	18.00	3.00	0.40	0.01	0.12	0.001	1.345	0.05	0.14
MINIMUM VALUE			8.20	9.40	98.80	7.20	2.00	75.00	96.00	0.10	0.00	1.40	0.08	0.01	0.03	0.000	0.256	0.02	0.04
ARITHMETIC MEAN			12.29	11.60	108.38	7.43	5.13	3236.88	333.25	2.05	3.50	2.14	0.22	0.01	0.08	0.000	0.759	0.03	0.07
GEOMETRIC MEAN			11.81	11.53	108.16	7.47	4.84	1273.91	280.40	0.75	0.33	2.1	0.20	0.01	0.07	0.012	0.657	0.03	0.07
LOG/GEOMETRIC MEAN			2.47	2.45	4.68	2.01	1.58	7.15	5.64	-0.29	-1.11	0.75	1.62	-4.61	-2.62	-4.464	-0.420	-3.52	-2.72
MEDIAN			10.95	11.75	108.20	7.45	5.00	2258.50	295.00	1.40	0.00	2.25	0.18	0.01	0.10	0.000	0.630	0.03	0.07
STANDARD DEV OF LOGS			0.30	0.12	0.07	0.01	0.39	1.80	0.65	1.80	2.64	0.27	0.53	0.00	0.50	2.024	0.590	0.36	0.50
STANDARD DEVIATION			3.77	1.34	7.29	0.19	1.64	3312.64	202.93	2.28	6.28	0.55	0.11	0.00	0.03	0.001	0.413	0.01	0.04
VARIANCE			14.21	1.78	53.08	0.04	2.70	######.##	41181.64	5.20	39.43	0.30	0.01	0.00	0.00	0.000	0.171	0.00	0.00
COEFF OF VARIATION			30.68	11.51	6.72	2.55	32.04	102.34	60.90	111.27	179.41	25.27	50.49	0.00	40.64	138.013	54.421	36.03	50.70
SUM OF VALUES			98.30	92.80	867.00	59.80	41.00	25895.00	2666.00	16.40	28.00	17.40	1.75	0.08	0.64	0.003	6.070	0.25	0.59
MEAN +2 STD DEV			19.83	14.27	122.95	7.86	8.41	9862.15	759.12	6.61	16.06	3.27	0.43	0.01	0.15	0.001	1.585	0.05	0.15
MEAN -2 STD DEV			4.75	8.93	93.80	7.09	1.84	-3368.40	-72.62	-2.51	-9.06	1.08	0.00	0.01	0.01	-0.001	-0.067	0.01	0.00
GEO MEAN +2 STD DEV			21.49	14.58	123.73	7.88	10.63	46377.80	1027.22	27.37	64.11	3.66	0.57	0.01	0.20	0.659	2.139	0.06	0.18
GEO MEAN -2 STD DEV			6.49	9.12	94.55	7.10	2.20	34.99	76.54	0.02	0.00	1.24	0.07	0.01	0.03	0.000	0.202	0.01	0.02
SUM OF SQUARES			1307.35	1038.96	94332.66	447.28	229.00	######.##	######.##	70.04	374.00	39.96	0.48	0.00	0.06	0.000	5.799	0.01	0.05

Table 12, continued (Depth = 0 m)

[illegible] SNOHOMISH RIVER AT HIGHWAY 92 BR

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
85/04/08 1400		0	8.[illegible]	13.0	110.8	7.4	2.0	139	104	3.6K	9	1.4	0.24	0.01K	0.0[illegible]	0.000	0.401	0.02	0.10
85/05/20 1330		0	8.4	12.3	107.8	7.1	4.0	60	120	3.6K	4	1.0	0.10	0.01K	0.0[illegible]	0.000	0.213	0.02	0.05
85/06/17 1325		0	13.2	11.2	108.3	7.6	3.0	76	56	3.6K	9	1.0	0.10	0.01K	0.0[illegible]	0.000	0.9[illegible]	0.02	0.03
NUMBER OF SAMPLES			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAXIMUM VALUE			13.20	13.00	110.80	7.60	4.00	139.00	120.00	3.60	9.00	1.40	0.24	0.01	0.0[illegible]	0.000	0.943	0.02	0.10
MINIMUM VALUE			8.10	11.20	107.80	7.10	2.00	60.00	56.00	3.60	4.00	1.00	0.10	0.01	0.0[illegible]	0.000	0.213	0.02	0.03
ARITHMETIC MEAN			10.03	12.17	108.97	7.37	3.00	91.67	93.33	3.60	7.33	1.13	0.15	0.01	0.0[illegible]	0.000	0.519	0.02	0.06
GEOMETRIC MEAN			9.80	12.14	108.96	7.36	2.88	85.96	88.74	3.60	6.87	1.12	0.13	0.01	0.0[illegible]	0.050	0.432	0.02	0.05
LOG/GEOMETRIC MEAN			2.23	2.50	4.69	2.00	1.06	4.45	4.49	1.28	1.93	0.11	2.01	-4.61	-3.91	2.998	-0.840	-3.91	-2.95
MEDIAN			8.80	12.30	108.30	7.40	3.00	76.00	104.00	3.60	9.00	1.00	0.10	0.01	0.0[illegible]	0.000	0.401	0.02	0.05
STANDARD DEV OF LOGS			0.25	0.08	0.01	0.03	0.35	0.43	0.41	0.00	0.47	0.19	0.31	0.00	0.69	0.000	0.746	0.00	0.60
STANDARD DEVIATION			2.73	0.91	1.61	0.25	1.00	41.77	33.31	0.00	2.89	0.23	0.08	0.00	0.0[illegible]	0.000	0.378	0.00	0.04
VARIANCE			7.64	0.82	2.58	0.06	1.00	1744.33	1109.33	0.00	8.33	0.05	0.01	0.00	0.00	0.000	0.143	0.00	0.00
COEFF OF VARIATION			27.55	7.46	1.48	3.42	33.33	45.56	35.69	0.00	39.36	20.38	55.11	0.00	65.4[illegible]	0.000	72.971	0.00	60.09
SUM OF VALUES			30.10	36.50	326.90	22.10	9.00	275.00	280.00	10.80	22.00	3.40	0.44	0.03	0.0[illegible]	0.000	1.556	0.06	0.18
MEAN +2 STD DEV			15.56	13.98	112.18	7.87	5.00	175.20	159.95	3.60	13.11	1.60	0.31	0.01	0.03	0.000	1.276	0.02	0.13
MEAN -2 STD DEV			4.50	10.35	105.75	6.86	1.00	8.14	26.72	3.60	1.56	0.67	-0.01	0.01	-0.0[illegible]	0.000	-0.236	0.02	-0.01
GEO MEAN +2 STD DEV			16.55	14.12	112.21	7.89	5.79	204.32	199.52	3.60	17.52	1.65	0.37	0.01	0.0[illegible]	0.050	1.920	0.02	0.18
GEO MEAN -2 STD DEV			5.81	10.45	105.80	6.88	1.44	36.11	39.47	3.60	2.69	0.76	0.05	0.01	0.0[illegible]	0.050	0.097	0.02	0.03
SUM OF SQUARES			317.27	445.73	35626.37	162.93	29.00	28697.00	28352.00	38.88	178.00	3.96	0.08	0.00	0.00	0.000	1.094	0.00	0.01

Table 13 (Depth = 0 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
80/07/02	1555	0	13.9	7.9	109.6	8.5	1.0	35400	1K	23.6		2.5	0.01K	0.01K	0.01K	0.001K	7.378K	0.01K	0.03
80/08/05	1455	0	14.4	8.3	94.9	8.3	1.0	39300	1K	27.1		4.5	0.01	0.01K	0.01	0.000	4.942	0.04	0.08
80/09/02	1525	0	13.4			7.8	2.0	42200	1K	27.8	0	6.0	0.19	0.01K	0.01K	0.000K	1.507K	0.05	0.07
80/10/06	1600	0	14.0	8.6	95.6	8.3	1.0	34700	1B	24.0	5	2.5	0.01K	0.01K	0.01	0.000	4.870	0.02	0.05
NUMBER OF SAMPLES			4	3	3	4	4	4	4	4	2	4	4	4	4	4	4	4	4
MAXIMUM VALUE			14.40	9.90	109.60	8.50	2.00	42200.00	1.00	27.80	5.00	6.00	0.19	0.01	0.01	0.001	7.378	0.05	0.08
MINIMUM VALUE			13.40	8.30	94.90	7.80	1.00	34700.00	1.00	23.60	0.00	2.50	0.01	0.01	0.01	0.000	1.507	0.01	0.03
ARITHMETIC MEAN			13.93	8.93	100.03	8.23	1.25	37900.00	1.00	25.63	2.50	3.88	0.06	0.01	0.01	0.000	4.667	0.03	0.06
GEOMETRIC MEAN			13.92	8.91	99.81	8.22	1.19	37779.78	1.00	25.56	0.50	3.60	0.02	0.01	0.01	0.019	4.038	0.03	0.05
LOG/GEOMETRIC MEAN			2.63	2.19	4.60	2.11	0.17	10.54	0.00	3.24	-0.69	1.28	-3.87	-4.61	-4.61	-3.975	1.396	-3.68	2.92
MEDIAN			13.95	8.60	95.60	8.30	1.00	37350.00	1.00	25.55	2.50	3.50	0.01	0.01	0.01	0.000	4.891	0.03	0.06
STANDARD DEV OF LOGS			0.03	0.09	0.08	0.04	0.35	0.09	0.00	0.08	3.26	0.44	1.47	0.00	0.00	1.955	0.685	0.73	0.44
STANDARD DEVIATION			0.41	0.85	8.29	0.30	0.50	3509.04	0.00	2.13	3.54	1.70	0.09	0.00	0.00	0.001	2.411	0.02	0.02
VARIANCE			0.17	0.72	68.76	0.09	0.25	######.##	0.00	4.55	12.50	2.90	0.01	0.00	0.00	0.000	5.815	0.00	0.00
COEFF OF VARIATION			2.95	9.52	8.29	3.63	40.00	9.26	0.00	8.32	141.42	43.92	163.64	0.00	0.00	200.000	51.673	60.86	38.56
SUM OF VALUES			55.70	26.80	300.10	32.90	5.00	151600.00	4.00	102.50	5.00	15.50	0.22	0.04	0.04	0.001	18.667	0.12	0.23
MEAN +2 STD DEV			14.75	10.63	116.62	8.82	2.25	44918.07	1.00	29.89	9.57	7.28	0.24	0.01	0.01	0.001	9.490	0.07	0.10
MEAN -2 STD DEV			13.10	7.23	83.45	7.63	0.25	30881.93	1.00	21.36	-4.57	0.47	-0.13	0.01	0.01	-0.001	-0.156	-0.01	0.01
GEO MEAN +2 STD DEV			14.77	10.73	117.39	8.85	2.38	45390.65	1.00	30.19	337.44	8.66	0.40	0.01	0.01	0.937	15.899	0.11	0.13
GEO MEAN -2 STD DEV			13.12	7.39	84.87	7.64	0.59	31445.06	1.00	21.64	0.00	1.50	0.00	0.01	0.01	0.000	1.036	0.01	0.02
SUM OF SQUARES			776.13	240.86	30157.53	270.87	7.00	######.##	4.00	2640.21	25.00	68.75	0.04	0.00	0.00	0.000	104.560	0.00	0.01

Table 13, continued (Depth =10 m)

P55019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDJCTVY g/l	00760 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
80/07/02	1600	10	13.0	9.7	106.2	8.4	2.0	37400	24.7		0.01K	0.01K	0.01K	0.001K	5.577K	0.01	0.04
80/08/05	1500	10	13.0	7.8	87.6	8.1	2.0	40400	28.6		0.03	0.01K	0.01	0.000	2.875	0.04	0.08
80/09/02	1530	10	12.0			7.7	1.0	43900	29.0	0	0.18	0.01K	0.01K	0.000K	1.079K	0.06	0.08
80/10/06	1605	10	12.5	6.3	70.1	8.0	1.0	39800	28.7	0	0.28	0.01K	0.01	0.000	2.213	0.04	0.07
NUMBER OF SAMPLES			4	3	3	4	4	4	4	2	4	4	4	4	4	4	4
MAXIMUM VALUE			13.00	9.70	106.20	8.40	2.00	43900.00	29.00	0.00	0.28	0.01	0.01	0.001	5.577	0.06	0.08
MINIMUM VALUE			12.00	6.30	70.10	7.70	1.00	37400.00	24.70	0.00	0.01	0.01	0.01	0.000	1.079	0.01	0.04
ARITHMETIC MEAN			12.63	7.93	87.97	8.05	1.50	40375.00	27.75	0.00	0.15	0.01	0.01	0.000	2.936	0.04	0.07
GEOMETRIC MEAN			12.62	7.81	86.72	8.05	1.41	40308.83	27.69	0.05	0.07	0.01	0.01	0.019	2.437	0.03	0.07
LOG GEOMETRIC MEAN			2.54	2.06	4.46	2.09	0.35	10.60	3.32	-3.00	-2.68	-4.61	-4.61	-3.975	0.911	-3.46	-2.73
MEDIAN			12.75	7.80	87.60	8.05	1.50	40100.00	28.65	0.00	0.15	0.01	0.01	0.000	2.544	0.04	0.08
STANDARD DEV OF LOGS			0.04	0.22	0.21	0.04	0.40	0.07	0.08	0.00	1.65	0.00	0.00	1.955	0.679	0.78	0.35
STANDARD DEVIATION			0.48	1.70	18.05	0.29	0.58	2683.75	2.04	0.00	0.14	0.00	0.00	0.001	1.910	0.02	0.02
VARIANCE			0.23	2.90	325.90	0.08	0.33	######.##	4.16	0.00	0.02	0.00	0.00	0.000	3.650	0.00	0.00
COEFF OF VARIATION			3.79	21.48	20.52	3.59	38.49	6.65	7.35	0.00	99.86	0.00	0.00	200.000	65.071	54.97	28.04
SUM OF VALUES			50.50	23.80	263.90	32.20	6.00	161500.00	111.00	0.00	0.58	0.04	0.04	0.001	11.744	0.15	0.27
MEAN +2 STD DEV			13.58	11.34	124.07	8.63	2.65	45742.49	31.83	0.00	0.43	0.01	0.01	0.001	6.757	0.08	0.11
MEAN -2 STD DEV			11.67	4.53	51.86	7.47	0.35	35007.51	23.67	0.00	-0.14	0.01	0.01	-0.001	-0.885	0.00	0.03
GEO MEAN +2 STD DEV			13.62	12.03	131.43	8.64	3.15	45944.85	32.26	0.05	1.85	0.01	0.01	0.957	4.877	0.15	0.13
GEO MEAN -2 STD DEV			11.69	5.07	57.22	7.49	0.64	35325.72	23.77	0.05	0.00	0.01	0.01	0.000	0.639	0.01	0.03
SUM OF SQUARES			658.25	194.62	23866.21	259.46	10.00	######.##	3042.74	0.00	0.15	0.00	0.00	0.000	45.430	0.01	0.02

Table 13, continued (Depth =30 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM 10	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3 N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
80/07/02	1605	30	10.4	6.5	69.6	7.8	1.0	44300	29.3		0.28	0.01K	0.0 K	0.000K	1.198K	0.04	0.07
80/08/05	1505	30	11.2	6.6	71.9	7.8	1.0	41800	29.5		0.04	0.01K	0.0	0.000	1.275	0.09	0.10
80/09/02	1535	30	11.3			7.7	1.0	45300	29.6	0	0.34	0.01K	0.0 K	0.000K	1.023K	0.06	0.08
80/10/06	1610	30	12.0	4.9	54.4	7.8	1.0	41700	30.0	0	0.36	0.01K	0.0	0.000	1.355	0.06	0.07
NUMBER OF SAMPLES			4	3	3	4	4	4	4	2	4	4	4	4	4	4	4
MAXIMUM VALUE			12.00	6.60	71.90	7.80	1.00	45300.00	30.00	0.00	0.36	0.01	0.0	0.000	1.355	0.09	0.10
MINIMUM VALUE			10.40	4.90	54.40	7.70	1.00	41700.00	29.30	0.00	0.04	0.01	0.0	0.000	1.023	0.04	0.07
ARITHMETIC MEAN			11.23	6.00	65.30	7.78	1.00	43275.00	29.60	0.00	0.26	0.01	0.0	0.000	1.213	0.06	0.08
GEOMETRIC MEAN			11.21	5.95	64.81	7.77	1.00	43246.76	29.60	0.00	0.19	0.01	0.01	0.000	1.208	0.06	0.08
LOG/GEOMETRIC MEAN			2.42	1.78	4.17	2.05	0.00	10.67	3.39	-3.00	-1.65	-4.61	-4.61	-2.998	0.188	-2.81	-2.54
MEDIAN			11.25	6.50	69.60	7.80	1.00	43050.00	29.55	0.00	0.31	0.01	0.01	0.000	1.237	0.06	0.08
STANDARD DEV OF LOGS			0.06	0.17	0.15	0.01	0.00	0.04	0.01	0.00	1.05	0.00	0.00	0.000	0.121	0.33	0.17
STANDARD DEVIATION			0.66	0.95	9.51	0.05	0.00	1808.08	0.29	0.00	0.15	0.00	0.00	0.000	0.142	0.02	0.01
VARIANCE			0.43	0.91	90.43	0.00	0.00	######.##	0.09	0.00	0.02	0.00	0.00	0.000	0.020	0.00	0.00
COEFF OF VARIATION			5.84	15.90	14.56	0.64	0.00	4.18	0.99	0.00	57.77	0.00	0.00	0.000	11.694	32.98	7.68
SUM OF VALUES			44.90	18.00	195.90	31.10	4.00	173100.00	118.40	0.00	1.02	0.04	0.0	0.000	4.851	0.25	0.32
MEAN +2 STD DEV			12.54	7.91	84.32	7.88	1.00	46891.17	30.19	0.00	0.55	0.01	0.01	0.000	1.496	0.10	0.11
MEAN -2 STD DEV			9.91	4.09	46.28	7.68	1.00	39658.83	29.01	0.00	-0.04	0.01	0.01	0.000	0.929	0.02	0.05
GEO MEAN +2 STD DEV			12.61	8.32	87.93	7.88	1.00	47007.55	30.19	0.05	1.58	0.01	0.01	0.050	1.536	0.12	0.11
GEO MEAN -2 STD DEV			9.97	4.25	47.77	7.68	1.00	39786.85	29.02	0.05	0.02	0.01	0.01	0.050	0.947	0.03	0.06
SUM OF SQUARES			505.29	109.82	12973.13	241.81	4.00	######.##	3504.90	0.00	0.33	0.00	0.00	0.000	5.943	0.07	0.03

Table 13, continued (Depth =0 m)

PS5019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
81/04/14	1510	0	9.0	10.2	97.7	7.8	1.0	22300	1K	17.3	5	3.2	0.38	0.01K	0.02	0.000	1.075	0.03	0.05
81/05/11	1455	0	13.0	9.4	99.9	7.9	2.0	24200	1K	20.0		5.0	0.24	0.01K	0.02	0.000	1.833	0.03	0.04
81/06/15	1515	0	14.[illegible]	12.5	136.8	8.6	2.0	25.00	1K	19.2		2.5	0.01K	0.01K	0.11	0.011	9.831	0.01K	0.02
81/07/07	1530	0	14.0	10.1	111.7	8.1	1.0	27800	1B	23.2	0	5.5	0.01	0.01K	0.03	0.001	3.096	0.01	0.04
81/08/04	1445	0	18.0	10.2	124.1	8.1	2.0	30700	1K	25.9	0	4.6	0.01K	0.01K	0.03	0.001	4.138	0.01K	0.03
81/09/29	1535	0	10.4	9.3	97.4	7.9	2.0	30500	1B	26.2		4.5	0.26	0.01	0.02	0.000	1.504	0.04	0.07
81/10/28	1600	0	10.9	8.1	87.2	7.9	1.0	32[illegible]00	1K	28.6		7.0	0.32	0.01	0.26	0.004	1.563	0.07	0.09
NUMBER OF SAMPLES			7	7	7	7	7	7	7	7	3	7	7	7	7	7	7	7	7
MAXIMUM VALUE			18.00	12.50	136.80	8.60	2.00	32900.00	1.00	28.60	5.00	7.00	0.38	0.01	0.26	0.011	9.831	0.07	0.09
MINIMUM VALUE			9.00	8.10	87.20	7.80	1.00	22800.00	1.00	17.30	0.00	2.50	0.01	0.01	0.02	0.000	1.075	0.01	0.02
ARITHMETIC MEAN			12.88	9.97	107.83	8.04	1.57	27714.29	1.00	22.91	1.67	4.61	0.18	0.01	0.07	0.002	3.263	0.03	0.05
GEOMETRIC MEAN			12.55	9.90	106.68	8.04	1.49	27488.91	1.00	22.58	0.23	4.40	0.07	0.01	0.04	0.009	2.477	0.02	0.04
LOG/GEOMETRIC MEAN			2.53	2.29	4.67	2.08	0.40	10.22	0.00	3.12	-1.46	1.48	-2.67	-4.61	-3.19	-4.691	0.907	-3.82	-3.13
MEDIAN			13.00	10.10	99.90	7.90	2.00	27800.00	1.00	23.20	0.00	4.60	0.24	0.01	0.03	0.001	1.833	0.03	0.04
STANDARD DEV OF LOGS			0.24	0.13	0.16	0.03	0.37	0.14	0.00	0.19	2.66	0.34	1.82	0.00	1.01	1.787	0.753	0.79	0.50
STANDARD DEVIATION			3.05	1.34	17.41	0.27	0.53	3805.89	0.00	4.20	2.89	1.48	0.16	0.00	0.09	0.004	3.004	0.02	0.02
VARIANCE			9.32	1.80	303.14	0.07	0.29	######.##	0.00	17.65	8.33	2.18	0.03	0.00	0.01	0.000	9.027	0.00	0.00
COEFF OF VARIATION			23.74	13.45	16.15	3.36	34.02	13.73	0.00	18.34	173.21	32.03	91.82	0.00	128.31	166.170	92.081	76.76	49.62
SUM OF VALUES			90.00	69.80	754.80	56.30	11.00	194000.00	7.00	160.40	5.00	32.30	1.23	0.07	0.49	0.017	22.840	0.20	0.34
MEAN +2 STD DEV			18.98	12.65	142.65	8.58	2.64	35326.06	1.00	31.32	7.44	7.57	0.50	0.01	0.25	0.010	9.272	0.07	0.10
MEAN -2 STD DEV			6.75	7.29	73.01	7.50	0.50	20102.52	1.00	14.51	-4.11	1.66	-0.13	0.01	-0.11	-0.006	-2.746	-0.02	0.00
GEO MEAN +2 STD DEV			20.12	12.87	146.01	8.59	3.12	36254.29	1.00	32.81	47.37	8.73	2.61	0.01	0.31	0.327	11.175	0.11	0.12
GEO MEAN -2 STD DEV			7.83	7.61	77.93	7.53	0.71	20842.78	1.00	15.54	0.00	2.22	0.00	0.01	0.01	0.000	0.549	0.00	0.02
SUM OF SQUARES			1213.02	706.80	83207.84	453.25	4.00	######.##	7.00	3781.38	25.00	162.15	0.37	0.00	0.08	0.000	128.685	0.01	0.02

Table 13, continued (Depth =10 m)

PS5019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL FBI mg/l	00620 NITRATE (NO3-N mg/l	00615 NITRITE (NO2-N mg/l	00610 AMMONIA (NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
81/04/14	1515	10	8.7	8.6	87.2	7.8	2.0	32500	26.8	0	0.31	0.01K	0.0[illegible]	0.000	1.050	0.06	0.07
81/05/11	1500	10	11.0	8.9	89.5	7.9	2.0	22100	17.9		0.25	0.01K	0.[illegible]	0.004	1.575	0.03	0.04
81/06/15	1520	10	11.5	8.4	91.6	7.9	1.0	34300	28.7		0.24	0.01K	0.1[illegible]	0.003	1.636	0.04	0.04
81/07/07	1535	10	12.2	8.8	97.2	7.8	1.0	32300	28.5	0	0.17	0.01K	0.0[illegible]	0.000	1.376	0.04	0.09
81/08/04	1450	10	14.0	8.6	98.6	7.9	1.0	33400	28.7	5	0.23	0.01K	0.2[illegible]	0.005	1.976	0.03	0.06
81/09/29	1540	10	12.0	7.9	87.5	7.8	1.0	33700	27.5		0.30	0.01	0.09	0.001	1.355	0.05	0.06
81/10/28	1605	10	11.5	7.6	83.5	7.9	1.0	34500	29.9		0.32	0.01	0.03	0.001	1.636	0.07	0.10
NUMBER OF SAMPLES			7	7	7	7	7	7	7	3	7	7	7	7	7	7	7
MAXIMUM VALUE			14.00	8.90	98.60	7.90	2.00	34500.00	29.90	5.00	0.32	0.01	0.24	0.005	1.976	0.07	0.10
MINIMUM VALUE			8.70	7.60	83.50	7.80	1.00	22100.00	17.90	0.00	0.17	0.01	0.02	0.000	1.050	0.03	0.04
ARITHMETIC MEAN			11.56	8.40	90.73	7.86	1.29	31828.57	27.14	1.67	0.26	0.01	0.13	0.002	1.515	0.05	0.07
GEOMETRIC MEAN			11.46	8.39	90.59	7.86	1.22	31518.59	26.80	0.23	0.25	0.01	0.09	0.005	1.490	0.04	0.06
LOG/GEOMETRIC MEAN			2.44	2.13	4.51	2.06	0.20	10.36	3.29	-1.46	-1.37	-4.61	-2.38	-5.206	0.399	-3.13	-2.78
MEDIAN			11.50	8.60	89.50	7.90	1.00	33400.00	28.70	0.00	0.25	0.01	0.09	0.001	1.575	0.04	0.06
STANDARD DEV OF LOGS			0.14	0.06	0.06	0.01	0.34	0.16	0.18	2.66	0.22	0.00	0.94	1.634	0.199	0.33	0.36
STANDARD DEVIATION			1.58	0.48	5.50	0.05	0.49	4369.10	4.19	2.89	0.05	0.00	0.09	0.002	0.291	0.02	0.02
VARIANCE			2.51	0.23	30.21	0.00	0.24	#####	17.57	8.33	0.00	0.00	0.01	0.000	0.084	0.00	0.00
COEFF OF VARIATION			13.71	5.71	6.06	0.68	37.95	13.73	15.44	173.21	20.59	0.00	72.59	100.000	19.181	33.07	34.99
SUM OF VALUES			80.90	58.80	635.10	55.00	9.00	222800.00	190.00	5.00	1.82	0.07	0.38	0.014	10.604	0.32	0.46
MEAN +2 STD DEV			14.73	9.36	101.72	7.96	2.26	40566.77	35.53	7.44	0.37	0.01	0.31	0.006	2.096	0.08	0.11
MEAN -2 STD DEV			8.39	7.44	79.74	7.75	0.31	23090.37	18.76	-4.11	0.15	0.01	-0.16	-0.002	0.934	0.02	0.02
GEO MEAN +2 STD DEV			15.27	9.43	102.17	7.96	2.40	43274.74	38.52	47.37	0.40	0.01	0.49	0.144	2.219	0.08	0.13
GEO MEAN -2 STD DEV			8.60	7.46	80.32	7.75	0.62	22956.16	18.65	0.00	0.16	0.01	0.41	0.000	1.000	0.02	0.03
SUM OF SQUARES			950.03	495.30	57802.95	432.16	13.00	#####	5262.54	25.00	0.49	0.00	0.[illegible]	0.000	16.570	0.02	0.03

Table 13, continued (Depth =30 m)

PS5019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00617 UN IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
81/04/14	1520	30	8.4	7.8	79.9	7.7	2.0	35500	29.2	0	0.37	0.01K	0.07	0.000	0.816	0.06	0.07
81/05/11	1505	30	10.1	8.5	88.5	7.8	4.0	30300	26.2		0.32	0.01K	0.03	0.001	1.171	0.05	0.06
81/06/15	1525	30	10.6	7.4	79.6	7.8	1.0	36003	29.4		0.36	0.01K	0.03	0.000	1.217	0.05	0.06
81/07/07	1540	30	11.5	7.7	84.4	7.8	1.0	33700	29.5	0	0.27	0.01K	0.01	0.000	1.304	0.05	0.07
81/08/04	1455	30	12.0	6.8	75.4	7.7	1.0	35100	29.6	5	0.31	0.01K	0.03	0.000	1.079	0.05	0.07
81/09/29	1545	30	11.5	8.4	70.4	7.7	2.0	34800	30.1		0.34	0.01	0.01	0.000	1.039	0.06	0.08
81/10/28	1210	30	10.5	8.5	70.3	7.8	1.0	35700	30.5		0.33	0.01	0.10	0.001	1.208	0.08	0.09
NUMBER OF SAMPLES			7	7	7	7	7	7	7	3	7	7	7	7	7	7	7
MAXIMUM VALUE			12.00	8.50	88.50	7.80	4.00	36000.00	30.50	5.00	0.37	0.01	0.10	0.001	1.304	0.08	0.09
MINIMUM VALUE			8.40	6.40	70.30	7.70	1.00	30300.00	26.20	0.00	0.27	0.01	0.01	0.000	0.816	0.05	0.06
ARITHMETIC MEAN			10.66	7.30	78.36	7.76	1.71	34442.86	29.21	1.67	0.33	0.01	0.04	0.000	1.119	0.06	0.07
GEOMETRIC MEAN			10.59	7.27	78.10	7.76	1.49	34391.50	29.18	0.23	0.33	0.01	0.03	0.016	1.108	0.06	0.07
LOG/GEOMETRIC MEAN			2.36	1.98	4.36	2.05	0.40	10.45	3.37	-1.46	-1.12	-4.61	-3.63	-4.115	0.103	-2.88	-2.65
MEDIAN			10.60	7.40	79.60	7.80	1.00	35100.00	29.50	0.00	0.33	0.01	0.03	0.000	1.171	0.05	0.07
STANDARD DEV OF LOGS			0.12	0.11	0.09	0.01	0.55	0.06	0.05	2.66	0.10	0.00	0.83	1.908	0.155	0.18	0.15
STANDARD DEVIATION			1.20	0.77	6.83	0.05	1.11	1974.72	1.40	2.89	0.03	0.00	0.03	0.000	0.160	0.01	0.01
VARIANCE			1.44	0.59	46.72	0.00	1.24	******.**	1.96	8.33	0.00	0.00	0.00	0.000	0.026	0.00	0.00
COEFF OF VARIATION			11.27	10.55	8.72	0.69	64.91	5.73	4.80	173.21	10.16	0.00	88.33	170.733	14.327	19.47	14.97
SUM OF VALUES			74.60	51.10	548.50	54.30	12.00	241100.00	204.50	5.00	2.30	0.07	0.25	0.002	7.834	0.40	0.50
MEAN +2 STD DEV			13.06	8.84	92.03	7.86	3.94	38372.30	32.02	7.44	0.40	0.01	0.10	0.001	1.440	0.08	0.09
MEAN -2 STD DEV			8.25	5.76	64.69	7.65	-0.51	30493.41	26.41	-4.11	0.26	0.01	-0.03	-0.001	0.798	0.03	0.05
GEO MEAN +2 STD DEV			13.45	8.96	92.98	7.86	4.42	38765.64	32.24	47.37	0.40	0.01	0.14	0.741	1.511	0.08	0.09
GEO MEAN -2 STD DEV			8.35	5.89	65.60	7.65	0.50	30510.92	26.42	0.00	0.27	0.01	0.00	0.000	0.813	0.04	0.05
SUM OF SQUARES			803.38	376.59	43259.19	421.23	28.00	********.**	5986.11	25.00	0.76	0.00	0.01	0.000	8.922	0.02	0.04

Table 13, continued (Depth =0 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70300 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
82/04/20	1545	0	10.0	13.4	133.5	8.5	1.0	23200	1K	19.9	9	3.0	0.01	0.01K	0.01K	0.001K	5.564K	0.01K	0.02
82/05/10	1430	0	11.9	14.0	140.0	8.3	1.0	18600	28	14.0	5	2.3	0.05	0.01K	0.01	0.000	4.132	0.01	0.01
82/06/16	1535	0	15.0			8.4	1.0	22800	1K	17.0	5	8.5	0.25	0.01K	0.10	0.006	6.436	0.04	0.05
82/07/20	1610	0	-			8.1	1.0	20500	58	16.6	0	5.5	0.04	0.01	0.02			0.02	0.03
82/08/11	1555	0	16.0			8.1	1.0	28400	1K	24.4	0	7.0	0.01	0.01K	0.06	0.002	3.584	0.02	0.04
82/09/14	1440	0	14.0	10.1	108.6	8.2	4.0	23800	188	18.6	0	2.5	0.11	0.01K	0.05	0.002	3.367	0.02	0.04
82/10/18	1525	0	11.2	8.3	86.5	7.8	2.0	25400	18	22.9	5	6.0	0.24	0.01K	0.02	0.000	1.275	0.05	0.06
82/11/09	1530	0	8.0	11.5	109.9	7.8	1.0	21000	58	20.3	5	2.0	0.31	0.02	0.03	0.000	0.994	0.04	0.06
NUMBER OF SAMPLES			7	5	5	8	8	8	8	8	8	8	8	8	8	7	7	8	8
MAXIMUM VALUE			16.00	14.00	140.00	8.50	4.00	28400.00	18.00	24.40	5.00	8.50	0.31	0.02	0.10	0.006	6.436	0.05	0.06
MINIMUM VALUE			8.00	8.30	86.50	7.80	1.00	18600.00	1.00	14.00	0.00	2.00	0.01	0.01	0.01	0.000	0.994	0.01	0.01
ARITHMETIC MEAN			12.30	11.46	115.70	8.15	1.50	22962.50	4.25	19.21	3.63	4.60	0.13	0.01	0.04	0.002	3.693	0.03	0.04
GEOMETRIC MEAN			12.00	11.26	114.05	8.15	1.30	22787.92	2.34	18.94	0.96	4.02	0.07	0.01	0.03	0.008	3.075	0.02	0.03
LOG/GEOMETRIC MEAN			2.48	2.42	4.74	2.10	0.26	10.03	0.85	2.94	-0.04	1.39	-2.70	-4.52	-3.58	-4.778	1.123	-3.80	-3.39
MEDIAN			11.90	11.50	109.90	8.15	1.00	23000.00	1.50	19.25	5.00	4.25	0.08	0.01	0.03	0.001	3.867	0.02	0.04
STANDARD DEV OF LOGS			0.24	0.21	0.19	0.03	0.52	0.13	1.08	0.18	2.45	0.57	1.39	0.25	0.84	1.746	0.720	0.62	0.61
STANDARD DEVIATION			2.86	2.35	21.47	0.26	1.07	3052.84	5.82	3.41	3.29	2.47	0.12	0.00	0.03	0.002	2.016	0.02	0.02
VARIANCE			8.17	5.51	461.01	0.07	1.14	######.##	33.93	11.63	10.84	6.11	0.01	0.00	0.00	0.000	4.065	0.00	0.00
COEFF OF VARIATION			23.24	20.49	18.56	3.15	71.27	13.29	137.05	17.75	90.82	53.73	94.93	31.43	82.81	116.767	54.594	57.37	46.65
SUM OF VALUES			86.10	57.30	578.50	65.20	12.00	183700.00	34.00	153.70	29.00	36.80	1.02	0.09	0.30	0.011	25.852	0.21	0.31
MEAN +2 STD DEV			18.02	16.16	158.64	8.66	3.64	29068.18	15.90	26.03	10.21	9.54	0.37	0.02	0.10	0.006	7.726	0.06	0.07
MEAN -2 STD DEV			6.58	6.76	72.76	7.64	-0.64	16856.82	-7.40	12.39	-2.96	-0.34	-0.11	0.00	-0.02	-0.003	-0.339	0.00	0.00
GEO MEAN +2 STD DEV			19.57	17.27	167.35	8.68	3.64	29659.82	20.47	27.18	129.27	12.44	1.08	0.02	0.15	0.276	12.980	0.08	0.12
GEO MEAN -2 STD DEV			7.36	7.34	77.72	7.65	0.46	17508.18	0.27	13.20	0.01	1.30	0.00	0.01	0.01	0.000	0.728	0.01	0.01
SUM OF SQUARES			1108.05	678.71	68776.47	531.84	26.00	######.##	382.00	3034.39	181.00	212.04	0.23	0.00	0.02	0.000	119.866	0.01	0.01

Table 13, contirued (Depth =10 m)

FSS019 FOSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70305 SALINITY CONDUCTVT g/l	00760 SUL FDT mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
82/04/20 1550		10	8.0	10.4	104.0	8.6	1.0	24300	27.0	5	0.02	0.01K	0.07	0.005	5.957	0.01K	0.02
82/05/16 1435		10	9.0	10.9	111.9	8.1	1.0	31800	27.5	0	0.13	0.01	0.10	0.002	2.122	0.03	0.03
82/06/16 1540		10	10.5			8.1	2.0	32100	28.2	5	0.17	0.01K	0.03	0.000	2.381	0.04	0.04
82/07/20 1615		10				8.0	2.0	30300	26.7	0	0.13	0.01	0.03			0.03	0.04
82/08/11 1600		10	12.2			7.8	1.0	32700	29.2	0	0.22	0.01K	0.03	0.000	1.376	0.03	0.05
82/09/14 1445		10	11.3	8.4	91.8	8.0	1.0	32700	28.1	0	0.17	0.01K	0.03	0.001	2.099	0.03	0.05
82/10/18 1530		10	11.5	6.7	72.7	7.7	4.0	30700	29.5	5	0.30	0.01K	0.01	0.000	1.000	0.06	0.07
82/11/09 1535		10	9.5	7.7	80.7	8.0	2.0	27500	29.4	0	0.31	0.02	0.01	0.000	1.760	0.06	0.08
NUMBER OF SAMPLES			7	5	5	8	8	8	8	8	8	8	7	7	7	8	8
MAXIMUM VALUE			12.24	10.90	111.90	8.60	4.00	32700.00	29.50	5.00	0.31	0.02	0.10	0.005	5.957	0.06	0.08
MINIMUM VALUE			8.00	6.70	72.70	7.70	1.00	24300.00	26.70	0.00	0.02	0.01	0.01	0.000	1.000	0.01	0.02
ARITHMETIC MEAN			10.29	8.82	92.22	8.04	1.75	30262.50	28.18	1.88	0.18	0.01	0.04	0.001	2.385	0.04	0.05
GEOMETRIC MEAN			10.15	8.67	91.08	8.03	1.54	30126.14	28.15	0.28	0.15	0.01	0.03	0.013	2.052	0.03	0.04
LOG/GEOMETRIC MEAN			2.32	2.16	4.51	2.08	0.43	10.31	3.34	-1.27	-1.93	-4.52	-3.54	-4.345	0.719	-3.43	-3.13
MEDIAN			10.50	8.40	91.80	8.00	1.50	31250.00	28.15	0.00	0.17	0.01	0.03	0.000	2.099	0.03	0.05
STANDARD DEV OF LOGS			0.15	0.20	0.18	0.03	0.52	0.10	0.04	2.38	0.87	0.25	0.33	1.743	0.557	0.56	0.45
STANDARD DEVIATION			1.53	1.79	16.12	0.27	1.04	2931.97	1.03	2.59	0.10	0.00	0.04	0.002	1.645	0.02	0.02
VARIANCE			2.33	3.19	260.00	0.07	1.07	******.**	1.05	6.70	0.01	0.00	0.00	0.000	2.706	0.00	0.00
COEFF OF VARIATION			14.86	20.24	17.48	3.32	59.15	9.75	3.65	138.01	52.63	31.43	87.83	183.140	68.975	46.48*	41.73
SUM OF VALUES			72.00	44.10	461.10	64.30	14.00	242100.00	225.30	15.00	1.45	0.09	0.32	0.005	16.695	0.29	0.38
MEAN +2 STD DEV			13.34	12.39	124.47	8.57	3.82	36166.43	30.22	7.05	0.37	0.02	0.11	0.005	5.675	0.07	0.09
MEAN -2 STD DEV			7.23	5.25	59.97	7.50	-0.32	24358.57	26.11	-3.30	-0.01	0.00	-0.03	-0.003	-0.905	0.00	0.01
GEO MEAN +2 STD DEV			13.82	13.05	129.80	8.58	4.33	37070.20	30.28	33.08	0.83	0.02	0.16	0.424	6.247	0.10	0.11
GEO MEAN -2 STD DEV			7.51	5.76	63.91	7.52	0.55	24462.35	26.16	0.00	0.03	0.01	0.01	0.000	0.674	0.01	0.02
SUM OF SQUARES			754.58	401.71	43562.63	517.31	32.00	********.**	8352.39	75.00	0.33	0.00	0.02	0.000	56.055	0.01	0.02

Table 13, continued (Depth =30 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PB1 mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
82/05/20	1600	30	8.2	3.9	91.1	8.3	1.0	31400	29.7	5	0.08	0.01K	0.42	0.013	3.125	0.02	0.05
82/05/10	1440	30	8.6	7.8	100.6	7.9	2.0	33000	28.9	0	0.23	0.01	0.05	0.001	1.308	0.04	0.06
82/06/16	1545	30				7.9	4.0	33800	29.1	5	0.27	0.01K	0.06			0.04	0.06
82/07/20	1620	30				7.8	2.0	33400	29.6	0	0.27	0.01	0.02			0.05	0.05
82/08/11	1605	30	11.2			7.7	1.0	33600	29.6	0	0.29	0.01K	0.02	0.000	1.015	0.04	0.05
82/09/14	1450	30	11.0	7.6	81.1	8.2	1.0	29500	27.0	5	0.08	0.01K	0.03	0.001	3.094	0.02	0.05
82/10/18	1535	30	10.5	6.5	70.1	7.7	2.0	31500	30.2	0	0.25	0.01K	0.02	0.000	0.962	0.07	0.07
82/11/09	1540	30	10.5	7.3	78.9	8.0	1.0	28600	30.4	0	0.31	0.02	0.01	0.000	1.901	0.05	0.08
NUMBER OF SAMPLES			6	5	5	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			11.20	9.80	100.60	8.30	4.00	33800.00	30.40	5.00	0.31	0.02	0.42	0.013	3.125	0.07	0.08
MINIMUM VALUE			8.20	6.50	70.10	7.70	1.00	28600.00	27.00	0.00	0.08	0.01	0.01	0.000	0.962	0.02	0.05
ARITHMETIC MEAN			10.00	8.02	84.36	7.94	1.75	31850.00	29.31	1.88	0.22	0.01	0.08	0.003	1.501	0.04	0.06
GEOMETRIC MEAN			9.93	7.93	83.71	7.93	1.54	31795.68	29.30	0.28	0.20	0.01	0.04	0.011	1.692	0.04	0.06
LOG/GEOMETRIC MEAN			2.30	2.07	4.43	2.07	0.43	10.37	3.38	-1.27	-1.62	-4.52	-3.32	-4.525	0.526	-3.27	-2.85
MEDIAN			10.50	7.60	81.10	7.90	1.50	32250.00	29.60	0.00	0.26	0.01	0.03	0.001	1.603	0.04	0.06
STANDARD DEV OF LOGS			0.13	0.16	0.14	0.03	0.52	0.06	0.04	2.38	0.57	0.25	1.14	1.518	0.529	0.44	0.18
STANDARD DEVIATION			1.28	1.32	11.76	0.22	1.04	1963.98	1.06	2.59	0.09	0.00	0.14	0.005	0.794	0.02	0.01
VARIANCE			1.63	1.74	138.24	0.05	1.07	######.##	1.12	6.70	0.01	0.00	0.02	0.000	0.988	0.00	0.00
COEFF OF VARIATION			12.76	16.43	13.94	2.77	59.15	6.17	3.61	138.01	40.56	31.43	176.40	208.688	52.291	35.81	19.17
SUM OF VALUES			50.00	40.10	421.80	63.50	14.00	254800.00	234.50	15.00	1.78	0.09	0.63	0.015	11.405	0.33	0.47
MEAN +2 STD DEV			12.55	10.66	107.87	8.38	3.82	35777.92	31.43	7.05	0.40	0.02	0.38	0.013	3.889	0.07	0.08
MEAN -2 STD DEV			7.45	5.38	60.85	7.50	-0.32	27922.08	27.19	-3.30	0.04	0.00	-0.20	-0.006	-0.087	0.01	0.04
GEO MEAN +2 STD DEV			12.96	10.99	110.47	8.36	4.33	35055.93	31.55	33.08	0.82	0.02	0.36	0.002	4.877	0.09	0.08
GEO MEAN -2 STD DEV			7.61	5.73	63.44	7.51	0.55	28038.80	27.21	0.00	0.08	0.01	0.00	0.000	0.587	0.02	0.04
SUM OF SQUARES			638.14	328.55	36136.00	504.37	32.00	######.##	6841.63	75.00	0.45	0.00	0.18	0.000	26.619	0.02	0.03

Table 13, continued (Depth =0 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
83/04/11	1510	0	9.7	10.2	103.8	7.9	2.0	27700	1K	24.1	0	6.0	0.21	0.01K	0.06	0.001	1.425	0.04	0.05
83/05/16	1500	0	12.5	10.6	108.1	8.0	5.0	19000	58	15.1	5	2.1	0.11	0.01	0.05	0.001	2.213	0.02	0.04
83/06/13	1420	0	16.5	11.3	128.1	8.0	1.0	23100	6B	19.1	0	6.5	0.01	0.01	0.03	0.001	2.975	0.01	0.03
83/07/20	1450	0	16.3	10.9	119.5	8.0	1.0	25700	3B	17.5	5	3.5	0.07	0.01K	0.02	0.001	2.725	0.02	0.02
83/08/16	1420	0	12.8	11.3	123.4	8.3	3.0	34900	1K	24.9	0	3.6	0.01K	0.01K	0.01K	0.000K	4.416K	0.03	0.05
83/09/06	1530	0	14.8	8.7	98.5	8.0	1.0	35100	1K	24.4	5	5.7	0.10	0.01K	0.01K	0.000K	2.626K	0.02	0.04
83/10/04	1435	0	14.5	8.1	92.3	7.8	4.0	37600	1K	26.3	5	4.0	0.21	0.01K	0.05	0.001	1.636	0.04	0.04
83/11/01	1335	0	12.0	9.1	99.4	7.8	1.0	38100	2B	27.4	0	7.5	0.25	0.01K	0.02	0.000	1.355	0.04	0.06
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			16.50	11.30	128.10	8.30	5.00	38100.00	58.00	27.40	5.00	7.50	0.25	0.01	0.06	0.001	4.416	0.04	0.06
MINIMUM VALUE			9.70	8.10	92.30	7.80	1.00	19000.00	1.00	15.10	0.00	2.10	0.01	0.01	0.01	0.000	1.355	0.01	0.02
ARITHMETIC MEAN			13.51	10.03	109.14	7.98	2.25	30150.00	9.13	22.35	2.50	4.86	0.12	0.01	0.03	0.001	2.421	0.03	0.04
GEOMETRIC MEAN			13.35	9.96	108.46	7.97	1.82	29334.45	2.60	21.92	0.50	4.53	0.07	0.01	0.03	0.004	2.250	0.03	0.04
LOG/GEOMETRIC MEAN			2.59	2.30	4.69	2.08	0.60	10.29	0.96	3.09	-0.69	1.51	-2.61	-4.61	-3.67	-5.441	0.811	-3.69	-3.24
MEDIAN			13.65	10.40	105.95	8.00	1.50	31300.00	1.50	24.25	2.50	4.85	0.11	0.01	0.03	0.001	2.420	0.03	0.04
STANDARD DEV OF LOGS			0.17	0.13	0.12	0.02	0.69	0.26	1.42	0.22	2.46	0.42	1.36	0.00	0.71	2.024	0.407	0.49	0.34
STANDARD DEVIATION			2.17	1.24	13.05	0.16	1.58	7226.93	19.82	4.50	2.67	1.83	0.09	0.00	0.02	0.001	1.015	0.01	0.01
VARIANCE			4.73	1.53	170.20	0.02	2.50	######.##	392.98	20.22	7.14	3.35	0.01	0.00	0.00	0.000	1.030	0.00	0.00
COEFF OF VARIATION			16.09	12.33	11.95	1.98	70.27	23.97	217.25	20.12	106.90	37.65	76.54	0.00	62.70	82.808	41.912	42.36	30.22
SUM OF VALUES			108.10	80.20	873.10	63.80	18.00	241200.00	73.00	178.80	20.00	38.90	0.97	0.08	0.25	0.005	19.371	0.22	0.33
MEAN +2 STD DEV			17.86	12.50	135.23	8.29	5.41	44603.87	48.77	31.34	7.85	8.52	0.31	0.01	0.07	0.002	4.451	0.05	0.07
MEAN -2 STD DEV			9.16	7.55	83.05	7.66	-0.91	15696.13	-30.52	13.36	-2.85	1.20	-0.06	0.01	-0.01	0.000	0.392	0.00	0.02
GEO MEAN +2 STD DEV			18.73	12.81	137.52	8.29	7.23	48951.32	44.35	33.80	68.79	10.51	1.00	0.01	0.11	0.248	5.081	0.07	0.08
GEO MEAN -2 STD DEV			9.52	7.72	85.55	7.67	0.46	17578.89	0.15	14.21	0.00	1.95	0.01	0.01	0.01	0.000	0.997	0.01	0.02
SUM OF SQUARES			1493.31	814.79	96479.37	508.98	58.00	######.##	3417.00	4137.70	100.00	212.61	0.13	0.00	0.01	0.000	54.114	0.01	0.01

Table 13, continued (Depth =10 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PGI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
83/04/11	1515	10	9.1	9.8	100.7	7.9	1.0	30100	27.4	0	0.26	0.01E	0.05	0.001	1.360	0.05	0.06
83/05/16	1505	10	10.0	9.1	95.9	7.9	3.0	31500	28.3	0	0.23	0.01	0.02	0.000	1.458	0.03	0.06
83/06/13	1425	10	12.5	10.7	118.6	8.2	2.0	31800	28.2	0	0.14	0.01-	0.01	0.000	3.462	0.03	0.04
83/07/20	1455	10	11.3	8.8	95.5	7.9	2.0	40000	28.7	0	0.24	0.01E	0.01	0.000	1.612	0.02	0.04
83/08/16	1425	10	12.8	7.7	86.5	7.9	2.0	40500	29.3	0	0.22	0.01	0.01K	0.000K	1.806K	0.04	0.06
83/09/06	1535	10	13.2	6.7	75.7	7.9	3.0	40800	28.9	0	0.21	0.01E	0.01K	0.000K	1.861K	0.04	0.06
83/10/04	1440	10	13.2	6.5	73.9	7.8	4.0	42200	29.8	5	0.28	0.01E	0.02	0.000	1.484	0.04	0.04
83/11/01	1340	10	12.0	7.3	80.9	7.7	1.0	40700	29.6	0	0.32	0.01E	0.01	0.000	1.079	0.05	0.05
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			13.20	10.70	118.60	8.20	4.00	42200.00	29.80	5.00	0.32	0.01	0.05	0.001	3.462	0.05	0.06
MINIMUM VALUE			9.10	6.50	73.90	7.70	1.00	30100.00	27.40	0.00	0.14	0.01	0.01	0.000	1.079	0.02	0.04
ARITHMETIC MEAN			11.76	8.33	90.96	7.90	2.25	37200.00	28.78	0.63	0.24	0.01	0.02	0.000	1.765	0.04	0.05
GEOMETRIC MEAN			11.67	8.21	89.94	7.90	2.03	36880.63	28.77	0.09	0.23	0.01	0.01	0.031	1.667	0.04	0.05
LOG:GEOMETRIC MEAN			2.46	2.10	4.50	2.07	0.71	10.52	3.36	-2.42	-1.46	-4.61	-4.25	-3.486	0.511	-3.32	-2.99
MEDIAN			12.25	8.25	91.00	7.90	2.00	40250.00	28.80	0.00	0.24	0.01	0.01	0.000	1.548	0.04	0.06
STANDARD DEV OF LOGS			0.14	0.18	0.16	0.02	0.50	0.14	0.03	1.63	0.25	0.00	0.59	1.382	0.341	0.31	0.30
STANDARD DEVIATION			1.52	1.51	14.87	0.14	1.04	5084.99	0.80	1.77	0.05	0.00	0.01	0.000	0.729	0.01	0.01
VARIANCE			2.32	2.29	221.27	0.02	1.07	NNNNNN.NN	0.64	3.12	0.00	0.00	0.00	0.000	0.532	0.00	0.00
COEFF OF VARIATION			12.94	18.19	16.35	1.79	46.00	13.67	2.78	282.84	22.37	0.00	79.35	282.843	41.308	27.60	19.34
SUM OF VALUES			94.10	66.60	727.70	63.20	18.00	297600.00	230.20	5.00	1.90	0.08	0.14	0.001	14.122	0.30	0.41
MEAN +2 STD DEV			14.81	11.35	120.71	8.18	4.32	47369.98	30.37	4.16	0.34	0.01	0.05	0.001	3.224	0.06	0.07
MEAN -2 STD DEV			8.72	5.30	61.21	7.62	0.18	27030.02	27.18	-2.91	0.13	0.01	-0.01	-0.001	0.307	0.02	0.03
GEO MEAN +2 STD DEV			15.34	11.80	123.73	8.18	5.55	49012.37	30.42	2.31	0.38	0.01	0.05	0.486	3.299	0.07	0.08
GEO MEAN -2 STD DEV			8.88	5.71	65.38	7.62	0.74	27751.78	27.20	0.00	0.14	0.01	0.00	0.002	0.842	0.02	0.03
SUM OF SQUARES			1123.07	570.50	67742.27	499.42	48.00	NNNNNN.NN	6628.48	25.00	0.47	0.00	0.00	0.000	28.651	0.01	0.02

Table 13, continued (Depth =30 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATION	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVT @ 25 C MICROMHOS	70305 SALINITY CONDUCTVT g/l	00760 SWL FBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3 N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHUS mg/l P	00665 TOTAL PHOSPHUS mg/l P
83/04/11	1520	30	3.9	9.[illegible]	94.1	7.8	1.0	31400	24.9	0	0.34	0.01K	0.03	0.000	1.067	0.07	0.09
83/05/16	1510	30	7.0	8.3	86.0	7.8	4.0	32300	24.0	0	0.32	0.01	0.02	0.000	1.075	0.05	0.07
83/06/13	1430	30	10.5	9.3	101.7	7.9	3.0	32700	29.1	5	0.24	0.01	0.01	0.000	1.516	0.05	0.05
83/07/20	1500	30	11.3	8.9	87.4	7.8	2.0	41500	29.6	0	0.26	0.01K	0.01K	0.000K	1.284K	0.04	0.04
83/08/16	1430	30	12.1	6.8	75.6	7.8	1.0	41000	29.7	0	0.24	0.01	0.01K	0.000K	1.365K	0.04	0.06
83/09/06	1540	30	12.0	5.9	65.4	7.8	1.0	41600	29.6	0	0.27	0.01K	0.01K	0.000K	1.355K	0.04	0.05
83/10/04	1445	30	12.5	5.2	62.8	7.8	2.0	41900	29.9	0	0.34	0.01K	0.01	0.000	1.408	0.04	0.04
83/11/01	1345	30	11.2	6.2	67.9	7.7	1.0	41300	30.2	0	0.35	0.01K	0.01	0.000	1.015	0.06	0.08
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			12.50	9.50	101.70	7.90	4.00	41900.00	30.20	5.00	0.35	0.01	0.03	0.000	1.516	0.07	0.08
MINIMUM VALUE			3.90	5.60	62.80	7.70	1.00	31400.00	28.90	0.00	0.23	0.01	0.01	0.000	1.015	0.04	0.04
ARITHMETIC MEAN			10.94	7.43	80.11	7.80	1.88	37952.50	29.50	0.63	0.29	0.01	0.01	0.000	1.261	0.05	0.06
GEOMETRIC MEAN			10.86	7.25	79.00	7.80	1.62	37678.72	29.50	0.09	0.29	0.01	0.01	0.050	1.248	0.05	0.05
LOG/GEOMETRIC MEAN			2.38	1.99	4.37	2.05	0.48	10.54	3.38	-2.42	-1.24	-4.61	[illegible]	-3.998	0.222	-3.04	-2.91
MEDIAN			11.25	7.40	80.80	7.80	1.50	41150.00	29.60	0.00	0.30	0.01	0.01	0.000	1.320	0.05	0.06
STANDARD DEV OF LOGS			0.13	0.20	0.18	0.01	0.56	0.13	0.02	1.83	0.17	0.00	0.43	0.000	0.150	0.22	0.25
STANDARD DEVIATION			1.37	1.50	14.32	0.05	1.13	4646.78	0.46	1.77	0.05	0.00	0.01	0.000	0.185	0.01	0.01
VARIANCE			1.89	2.25	205.02	0.00	1.27	######.##	0.21	3.12	0.00	0.00	0.00	0.000	0.034	0.00	0.00
COEFF OF VARIATION			12.56	20.21	17.87	0.69	60.05	12.77	1.56	282.84	16.32	0.00	54.11	0.000	14.675	23.10	25.03
SUM OF VALUES			87.50	59.40	640.90	62.40	15.00	303700.00	236.00	5.00	2.34	0.03	0.11	0.000	10.085	0.39	0.45
MEAN +2 STD DEV			13.69	10.43	108.75	7.91	4.13	47836.65	30.42	4.16	0.39	0.01	0.03	0.000	1.631	0.07	0.08
MEAN -2 STD DEV			8.19	4.42	51.48	7.69	-0.38	28268.95	28.58	-2.91	0.20	0.01	0.00	0.000	0.891	0.03	0.03
GEO MEAN +2 STD DEV			14.11	10.96	113.07	7.91	5.00	49117.52	30.43	2.31	0.40	0.01	0.03	0.050	1.635	0.07	0.09
GEO MEAN -2 STD DEV			8.36	4.85	55.19	7.69	0.53	28963.86	28.59	0.00	0.21	0.01	0.01	0.050	0.925	0.03	0.03
SUM OF SQUARES			970.25	456.80	52779.23	486.74	37.00	########.##	6983.48	25.00	0.70	0.00	0.00	0.000	12.953	0.02	0.03

Table 13, continued (Depth =0 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SUL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
84/04/02	1420	0	11.0	12.7	126.1	8.3	2.0	23800	6J	15.9	0	4.5	0.08	0.01K	0.01K	0.000K	3.364K	0.02	0.04
84/05/01	1415	0	14.0	10.2	109.0	7.9	2.0	37100	59	27.3	0	6.5	0.24	0.01K	0.01K	0.000K	1.575K	0.06	0.10
84/06/04	1420	0	13.0	9.7	102.6	8.4	1.0	27400	1K	19.3	0	2.5	0.01K	0.01K	0.04	0.002	5.577	0.03	0.04
84/07/10	1525	0	14.8	12.5	139.7	8.5	3.0	31000	1K	22.3	0	2.5	0.01K	0.01K	0.08	0.006	7.459	0.02	0.06
84/08/06	1405	0	16.0	11.5	133.8	8.3	3.0	35200	1K	25.0	5	7.0	0.01K	0.01K	0.18	0.010	5.564	0.02	0.05
84/09/04	1450	0	14.0	10.0	113.6	7.8	2.0	37700	1K	27.3	0	5.0	0.12	0.01K	0.01K	0.000K	1.376K	0.02	0.06
84/11/05	1505	0	9.0	10.7	101.5	7.8	7.0	24100	19J	15.7	5	2.0	0.35	0.01K	0.04	0.000	1.075	0.04	0.05
NUMBER OF SAMPLES			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
MAXIMUM VALUE			16.00	12.70	139.70	8.50	7.00	37700.00	59.00	27.30	5.00	7.0	0.35	0.01	0.18	0.010	7.459	0.06	0.10
MINIMUM VALUE			9.00	9.70	101.50	7.80	1.00	23800.00	1.00	15.70	0.00	2.0	0.01	0.01	0.01	0.000	1.075	0.02	0.04
ARITHMETIC MEAN			12.69	11.04	118.04	8.14	2.86	30900.00	12.57	21.83	1.43	4.2	0.12	0.01	0.05	0.003	3.470	0.03	0.06
GEOMETRIC MEAN			12.47	10.99	117.21	8.14	2.43	30398.49	3.52	21.32	0.19	3.8	0.05	0.01	0.03	0.019	3.460	0.03	0.05
LOG/GEOMETRIC MEAN			2.52	2.40	4.76	2.10	0.89	10.32	1.26	3.06	-1.68	1.3	-2.99	-4.61	-3.50	-3.990	1.19	-3.60	-2.91
MEDIAN			13.00	10.70	113.60	8.30	2.00	31000.00	1.00	22.30	0.00	4.5	0.08	0.01	0.04	0.000	3.364	0.02	0.05
STANDARD DEV OF LOGS			0.20	0.11	0.13	0.04	0.59	0.20	1.70	0.24	2.25	0.5	1.58	0.00	1.15	1.325	0.79	0.44	0.31
STANDARD DEVIATION			2.47	1.21	15.25	0.30	1.95	5945.31	21.51	4.99	2.44	2.0	0.13	0.00	0.06	0.004	2.583	0.02	0.02
VARIANCE			6.09	1.47	232.65	0.09	3.81	######.##	462.62	24.88	5.95	4.0	0.02	0.00	0.00	0.000	6.673	0.00	0.00
COEFF OF VARIATION			19.46	10.97	12.92	3.67	68.31	19.24	171.09	22.85	170.78	47.0	113.01	0.00	116.48	153.693	66.749	50.92	36.03
SUM OF VALUES			88.80	77.30	826.30	57.00	20.00	216300.00	88.00	152.80	10.00	30.0	0.82	0.07	0.37	0.018	27.490	0.21	0.40
MEAN +2 STD DEV			17.62	13.46	148.55	8.74	6.76	42790.61	55.59	31.80	6.31	8.3	0.38	0.01	0.18	0.010	9.036	0.06	0.10
MEAN -2 STD DEV			7.75	8.62	87.54	7.54	-1.05	19009.39	-30.45	11.85	-3.45	0.2	-0.15	0.01	-0.07	-0.005	-1.296	0.00	0.02
GEO MEAN +2 STD DEV			18.67	13.64	151.42	8.76	7.97	45064.28	106.28	34.30	16.69	10.5	1.19	0.01	0.30	0.262	14.524	0.07	0.10
GEO MEAN -2 STD DEV			8.33	8.85	90.73	7.56	0.74	20505.56	0.12	13.25	0.00	1.4	0.00	0.01	0.00	0.001	0.645	0.01	0.03
SUM OF SQUARES			1163.04	862.41	98934.71	464.68	80.00	######.##	3882.00	3484.66	50.00	153.0	0.20	0.00	0.04	0.000	144.875	0.01	0.03

Table 13, continued (Depth =10 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00076 TURBIDITY TURBIDIMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
84/04/02	1425	10	10.0	8.7	91.7	7.8	1.0	38800	28.3	0	0.26	0.01K	0.01K	0.000K	1.162K	0.04	0.06
84/05/01	1420	10	11.0	9.7	104.4	7.9	2.0	38500	28.3	0	0.27	0.01K	0.01K	0.000K	1.575K	0.06	0.07
84/06/04	1425	10	11.0	8.1	87.1	8.0	1.0	38200	28.2	0	0.22	0.01K	0.02	0.000	1.975	0.05	0.06
84/07/10	1530	10	12.5	8.3	92.3	7.9	1.0	38600	28.7	5	0.18	0.01K	0.04	0.001	1.766	0.04	0.06
84/08/06	1410	10	13.0	8.5	96.0	8.0	1.0	40500	29.4	9	0.20	0.01K	0.01K	0.000K	2.297K	0.03	0.06
84/09/04	1455	10	13.0	9.9	111.5	8.1	1.0	40200	29.1	0	0.20	0.01	0.01K	0.000K	2.875K	0.03	0.08
84/11/05	1510	10	10.0	7.3	77.1	7.8	1.0	40,00	28.6	0	0.37	0.01K	0.04	0.000	1.162	0.05	0.08
NUMBER OF SAMPLES			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
MAXIMUM VALUE			13.00	9.90	111.50	8.10	2.00	40900.00	29.40	9.00	0.37	0.01	0.04	0.001	2.875	0.06	0.08
MINIMUM VALUE			10.00	7.30	77.10	7.80	1.00	38200.00	28.20	0.00	0.18	0.01	0.01	0.000	1.162	0.03	0.06
ARITHMETIC MEAN			11.50	8.64	94.30	7.93	1.14	39414.29	28.66	2.00	0.24	0.01	0.02	0.000	1.830	0.04	0.07
GEOMETRIC MEAN			11.45	8.60	93.72	7.93	1.10	39400.17	28.65	0.20	0.24	0.01	0.02	0.029	1.744	0.04	0.07
LOG/GEOMETRIC MEAN			2.44	2.15	4.54	2.07	0.10	10.58	3.36	-1.60	-1.44	-4.61	-4.11	3.556	0.556	-3.18	-2.71
MEDIAN			11.00	8.50	92.30	7.90	1.00	38800.00	28.60	0.00	0.22	0.01	0.01	0.000	1.766	0.04	0.06
STANDARD DEV OF LOGS			0.13	0.11	0.12	0.01	0.26	0.03	0.02	2.40	0.25	0.00	0.66	1.478	0.337	0.26	0.14
STANDARD DEVIATION			1.32	0.91	11.25	0.11	0.38	1142.26	0.45	3.61	0.06	0.00	0.01	0.000	0.618	0.01	0.01
VARIANCE			1.75	0.82	126.53	0.01	0.14	######.##	0.20	13.00	0.00	0.00	0.00	0.000	0.382	0.00	0.00
COEFF OF VARIATION			11.50	10.50	11.93	1.40	33.07	2.90	1.57	180.28	26.76	0.00	70.71	264.575	33.774	25.96	14.17
SUM OF VALUES			80.50	60.50	660.10	55.50	8.00	275900.00	200.60	14.00	1.70	0.07	0.14	0.001	12.812	0.30	0.47
MEAN +2 STD DEV			14.15	10.46	116.80	8.15	1.90	41698.81	29.58	9.21	0.37	0.01	0.05	0.001	3.067	0.07	0.09
MEAN -2 STD DEV			8.85	6.83	71.80	7.71	0.39	37129.76	27.74	-5.21	0.11	0.01	-0.01	-0.001	0.594	0.02	0.05
GEO MEAN +2 STD DEV			14.44	10.61	119.17	8.15	1.86	41742.13	29.57	24.47	0.39	0.01	0.06	0.548	3.421	0.07	0.09
GEO MEAN -2 STD DEV			9.04	6.97	73.71	7.71	0.65	37139.61	27.77	0.00	0.14	0.01	0.00	0.001	0.889	0.02	0.05
SUM OF SQUARES			936.29	527.83	63006.61	440.11	10.00	########.##	5749.84	106.00	0.44	0.00	0.00	0.000	25.742	0.01	0.03

Table 13, continued (Depth =30 m)

P35019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	72305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00620 NITRATE N NO3-N mg/l	00615 NITRITE N NO2-N mg/l	00610 AMMONIA N NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
84/04/02	1430	30	9.7	8.2	86.3	7.8	1.0	39900	29.1	0	0.38	0.01K	0.01	0.000K	1.135K	0.06	0.07
84/05/01	1425	30	10.0	8.8	93.2	7.8	2.0	39700	29.0	0	0.34	0.01K	0.01	0.000K	1.162K	0.06	0.07
84/06/04	1430	30	11.0	7.7	83.3	7.9	1.0	39100	29.1	0	0.26	0.01K	0.03	0.000	1.575	0.06	0.07
84/07/10	1535	30	14.5	7.8	82.0	8.5	1.0	32400	23.2	5	0.01K	0.01K	0.01	0.001	6.212	0.02	0.06
84/08/06	1415	30	12.0	7.6	84.4	7.9	3.0	41800	29.9	5	0.28	0.01K	0.01	0.000K	1.700K	0.04	0.06
84/09/04	1500	30	13.0	6.0	68.2	[illegible]	1.0	41800	30.3	5	0.32	0.01	0.01	0.000K	1.462K	0.04	0.06
84/11/05	1515	30	11.0	7.1	70.5	7.9	6.0	24100	15.9	5	0.34	0.01K	0.04	0.001	1.575	0.04	0.05
NUMBER OF SAMPLES			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
MAXIMUM VALUE			13.00	8.80	93.20	8.50	6.00	41800.00	30.30	5.00	0.38	0.01	0.04	0.001	6.212	0.06	0.07
MINIMUM VALUE			9.70	6.00	68.20	7.80	1.00	24100.00	15.90	0.00	0.01	0.01	0.01	0.000	1.135	0.02	0.05
ARITHMETIC MEAN			11.17	7.60	81.13	7.94	2.14	36971.43	26.64	2.86	0.28	0.01	0.02	0.000	2.117	0.05	0.06
GEOMETRIC MEAN			11.12	7.55	80.70	7.94	1.67	36389.77	26.08	0.69	0.19	0.01	0.01	0.016	1.751	0.04	0.06
LOG/GEOMETRIC MEAN			2.41	2.02	4.39	2.07	0.51	10.50	3.26	-0.37	-1.64	-4.61	-4.31	-4.115	0.560	-3.14	-2.77
MEDIAN			11.00	7.70	83.30	7.90	1.00	39700.00	29.10	5.00	0.32	0.01	0.01	0.000	1.575	0.04	0.06
STANDARD DEV OF LOGS			0.10	0.12	0.11	0.03	0.71	0.20	0.24	2.46	1.31	0.30	0.55	1.908	0.580	0.39	0.12
STANDARD DEVIATION			1.14	0.88	8.84	0.25	1.86	6503.26	5.31	2.67	0.12	0.00	0.01	0.000	1.818	0.02	0.01
VARIANCE			1.29	0.78	78.13	0.06	3.48	######.##	28.15	7.14	0.02	0.00	0.00	0.000	3.306	0.00	0.00
COEFF OF VARIATION			10.16	11.60	10.89	3.16	87.01	17.59	19.91	93.54	44.90	0.00	72.18	170.783	85.876	33.07	12.03
SUM OF VALUES			78.20	53.20	567.90	55.60	15.00	258800.00	186.50	20.00	1.93	0.07	0.11	0.002	14.821	0.32	0.44
MEAN +2 STD DEV			13.44	9.36	98.81	8.44	5.87	49977.95	37.25	8.20	0.52	0.01	0.04	0.001	5.754	0.08	0.08
MEAN -2 STD DEV			8.90	5.84	63.45	7.44	-1.59	23964.91	16.03	-2.49	0.03	0.01	-0.01	-0.001	-1.519	0.02	0.05
GEO MEAN +2 STD DEV			13.62	9.63	100.94	8.44	6.97	54419.80	41.84	95.60	2.68	0.01	0.04	0.741	5.582	0.09	0.08
GEO MEAN -2 STD DEV			9.08	5.93	64.52	7.47	0.40	24333.33	16.26	0.01	0.01	0.01	0.00	0.000	0.549	0.02	0.05
SUM OF SQUARES			881.34	438.98	46541.67	442.00	53.00	########.##	5137.77	100.00	0.62	0.00	0.00	0.000	51.216	0.02	0.03

Table 13 (Depth = 0 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SUL PRI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
85/04/01	1450	0	8.5	11.5	112.3	8.0	2.0	32900	1K	21.9	4	1.5	0.21	0.01K	0.03	0.000	1.629	0.04	0.06
85/06/03	1450	0	14.3			8.3	1.0	19400		15.0	4	3.4	0.03	0.01K	0.01	0.000	4.820	0.01	0.03
NUMBER OF SAMPLES			2	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2
MAXIMUM VALUE			14.00	11.50	112.30	8.30	2.00	32900.00	1.00	21.90	4.00	3.40	0.21	0.01	0.03	0.000	4.820	0.04	0.06
MINIMUM VALUE			8.50	11.50	112.30	8.00	1.00	19400.00	1.00	15.00	4.00	1.50	0.03	0.01	0.01	0.000	1.629	0.01	0.03
ARITHMETIC MEAN			11.25			8.15	1.50	26150.00		18.45	4.00	2.45	0.12	0.01	0.02	0.000	3.225	0.03	0.05
GEOMETRIC MEAN			10.91			8.15	1.41	25263.81		18.12	4.00	2.26	0.08	0.01	0.02	0.050	2.802	0.02	0.04
LOG/GEOMETRIC MEAN			2.39			2.10	0.35	10.14		2.90	1.39	0.81	-2.53	-4.61	-4.06	-2.998	1.030	-3.91	-3.16
MEDIAN			11.25			8.15	1.50	26150.00		18.45	4.00	2.45	0.12	0.01	0.02	0.000	3.225	0.03	0.05
STANDARD DEV OF LOGS			0.35			0.03	0.49	0.37		0.27	0.00	0.58	1.38	0.00	0.78	0.000	0.767	0.98	0.49
STANDARD DEVIATION			3.89			0.21	0.71	9545.94		4.88	0.00	1.34	0.13	0.00	0.01	0.000	2.256	0.02	0.02
VARIANCE			15.13			0.05	0.50	******.**		23.81	0.00	1.80	0.02	0.00	0.00	0.000	5.091	0.00	0.00
COEFF OF VARIATION			34.57			2.60	47.14	36.50		26.44	0.00	54.84	168.07	0.00	70.71	0.000	69.976	84.85	47.14
SUM OF VALUES			22.50			16.30	3.00	52300.00		36.90	8.00	4.90	0.24	0.02	0.04	0.000	6.449	0.05	0.09
MEAN +2 STD DEV			19.03			8.57	2.91	45241.88		28.21	4.00	5.14	0.37	0.01	0.05	0.000	7.737	0.07	0.09
MEAN -2 STD DEV			3.47			7.73	0.09	7058.12		8.69	4.00	-0.24	-0.13	0.01	-0.01	0.000	-1.288	-0.02	0.00
GEO MEAN +2 STD DEV			22.09			8.58	3.77	53322.58		30.95	4.00	7.18	1.24	0.01	0.08	0.050	12.994	0.14	0.11
GEO MEAN -2 STD DEV			5.39			7.74	0.53	11969.79		10.61	4.00	0.71	0.01	0.01	0.00	0.050	0.604	0.00	0.02
SUM OF SQUARES			268.25			132.89	5.00	******.**		704.61	32.00	13.81	0.05	0.00	0.00	0.000	25.886	0.00	0.00

Table 13, continued (Depth =10 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
85/04/01	1455	10	7.0	9.9	97.6	7.9	1.0	42000	28.2	14	0.21	0.01K	0.03	0.000	1.154	0.05	0.06
85/06/03	1455	10	11.0			8.0	1.0K	34300	28.2	4	0.17	0.01K	0.05	0.001	1.975	0.05	0.06
NUMBER OF SAMPLES			2	1	1	2	2	2	2	2	2	2	2	2	2	2	2
MAXIMUM VALUE			11.00	9.90	97.60	8.00	1.00	42000.00	28.20	14.00	0.21	0.01	0.05	0.001	1.975	0.05	0.06
MINIMUM VALUE			7.00	9.90	97.60	7.90	1.00	34300.00	28.20	4.00	0.17	0.01	0.03	0.000	1.154	0.05	0.06
ARITHMETIC MEAN			9.00			7.95	1.00	38150.00	28.20	9.00	0.19	0.01	0.04	0.001	1.565	0.05	0.06
GEOMETRIC MEAN			8.77			7.95	1.00	37955.24	28.20	7.48	0.19	0.01	0.04	0.007	1.510	0.05	0.06
LOG2GEOMETRIC MEAN			2.17			2.07	0.00	10.54	3.34	2.01	-1.67	-4.61	-3.25	-4.953	0.412	-3.00	-2.81
MEDIAN			9.00			7.95	1.00	38150.00	28.20	9.00	0.19	0.01	0.04	0.001	1.565	0.05	0.06
STANDARD DEV OF LOGS			0.32			0.01	0.00	0.14	0.00	0.89	0.15	0.00	0.15	2.785	0.380	0.00	0.00
STANDARD DEVIATION			2.83			0.07	0.00	5444.72	0.00	7.07	0.03	0.00	0.01	0.001	0.581	0.00	0.00
VARIANCE			8.00			0.00	0.00	######.##	0.00	50.00	0.00	0.00	0.00	0.000	0.337	0.00	0.00
COEFF OF VARIATION			31.43			0.89	0.00	14.27	0.00	78.57	14.89	0.00	35.36	141.421	37.107	0.00	0.00
SUM OF VALUES			18.00			15.90	2.00	76300.00	56.40	18.00	0.38	0.02	0.08	0.001	3.129	0.10	0.12
MEAN +2 STD DEV			14.66			8.09	1.00	49039.44	28.20	23.14	0.25	0.01	0.07	0.002	2.726	0.05	0.06
MEAN -2 STD DEV			3.34			7.81	1.00	27260.56	28.20	-5.14	0.13	0.01	0.01	-0.001	0.403	0.05	0.06
GEO MEAN +2 STD DEV			16.63			8.09	1.00	50542.76	28.20	44.01	0.25	0.01	0.03	1.780	3.228	0.05	0.06
GEO MEAN -2 STD DEV			4.63			7.81	1.00	28502.60	28.20	1.27	0.14	0.01	0.02	0.000	0.706	0.05	0.06
SUM OF SQUARES			170.00			126.41	2.00	######.##	1590.48	212.00	0.07	0.00	0.00	0.000	5.232	0.01	0.01

Table 13, continued (Depth =30 m)

PSS019 POSSESSION SOUND OFF E GEDNEY IS

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	70305 SALINITY CONDUCTVY g/l	00720 SWL PBI mg/l	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
85/04/03	1500	30	7.2	7.7	77.8	7.7	1.0	41200	30.9	4	0.34	0.01K	0.03	0.000	0.743	0.07	0.08
85/06/03	1500	30	9.0			7.9	1.0	34400	29.7	0	0.28	0.01K	0.03	0.001	1.350	0.07	0.07
NUMBER OF SAMPLES			2	1	1	2	2	2	2	2	2	2	2	2	2	2	2
MAXIMUM VALUE			9.00	7.70	77.80	7.90	1.00	44200.00	30.90	4.00	0.34	0.01	0.03	0.001	1.350	0.07	0.08
MINIMUM VALUE			7.20	7.70	77.80	7.70	1.00	36400.00	29.70	0.00	0.28	0.01	0.03	0.000	0.743	0.07	0.07
ARITHMETIC MEAN			8.10			7.80	1.00	40300.00	30.30	2.00	0.31	0.01	0.04	0.001	1.047	0.07	0.08
GEOMETRIC MEAN			8.05			7.80	1.00	40110.85	30.29	0.45	0.31	0.01	0.03	0.007	1.002	0.07	0.07
LOG/GEOMETRIC MEAN			2.09			2.05	0.00	10.60	3.41	-0.81	-1.18	-4.61	-3.38	-5.953	0.002	-2.66	-2.59
MEDIAN			8.10			7.80	1.00	40300.00	30.30	2.00	0.31	0.01	0.04	0.001	1.047	0.07	0.08
STANDARD DEV OF LOGS			0.15			0.02	0.00	0.14	0.03	3.10	0.14	0.00	0.30	2.265	0.422	0.00	0.09
STANDARD DEVIATION			1.27			0.14	0.00	5515.43	0.85	2.83	0.04	0.00	0.01	0.001	0.429	0.00	0.01
VARIANCE			1.62			0.02	0.00	######.##	0.72	8.00	0.00	0.00	0.00	0.000	0.184	0.00	0.00
COEFF OF VARIATION			15.71			1.81	0.00	13.69	2.80	141.42	13.69	0.00	20.30	151.421	41.014	0.00	9.43
SUM OF VALUES			16.20			15.60	2.00	80600.00	60.60	4.00	0.62	0.02	0.07	0.001	2.073	0.14	0.15
MEAN +2 STD DEV			10.65			8.08	1.00	51330.87	32.00	7.66	0.39	0.01	0.03	0.002	1.905	0.07	0.09
MEAN -2 STD DEV			5.55			7.52	1.00	29269.13	28.60	-3.66	0.23	0.01	0.02	-0.001	0.188	0.07	0.06
GEO MEAN +2 STD DEV			11.04			8.09	1.00	52784.89	32.04	220.13	0.41	0.01	0.05	1.780	2.330	0.07	0.09
GEO MEAN -2 STD DEV			5.87			7.52	1.00	30479.93	28.64	0.00	0.23	0.01	0.02	0.000	0.430	0.07	0.06
SUM OF SQUARES			152.84			121.70	2.00	######.##	1836.90	16.00	0.19	0.00	0.00	0.000	2.375	0.01	0.01

Table 14.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
73/08/15	1400	0	19.0	6.2		7.2	3.0	20000	40K		5		0.48	0.00	0.04	0.000	0.582	0.02	0.08
73/09/12	1410	0	18.1			7.4	4.0	12000	23	12.8	23		0.13	0.00	0.06	0.001	0.860	0.08	0.11
73/10/17	1545	0	10.4	9.8		7.1	4.0	3400	120	5.4	9		0.14	0.00	0.05	0.000	0.241	0.03	0.04
73/12/05	1400	0	5.9	11.1		7.0	5.0	3700	47	3.7	9		0.45	0.01	0.03	0.000	0.134	0.02	0.05
NUMBER OF SAMPLES			4	3	0	4	4	4	4	3	4	0	4	4	4	4	4	4	4
MAXIMUM VALUE			19.00	11.10		7.40	5.00	20000.00	120.00	12.80	23.00		0.45	0.01	0.06	0.001	0.860	0.08	0.11
MINIMUM VALUE			5.90	6.20		7.00	3.00	3400.00	23.00	3.70	5.00		0.08	0.00	0.03	0.000	0.134	0.02	0.04
ARITHMETIC MEAN			13.35	9.03		7.18	4.00	9775.00	57.50	7.30	11.50		0.23	0.00	0.05	0.000	0.454	0.04	0.07
GEOMETRIC MEAN			12.05	8.77		7.17	3.94	7412.64	47.73	6.35	9.82		0.18	0.03	0.04	0.019	0.357	0.03	0.06
LOG/GEOMETRIC MEAN			2.49	2.17		1.97	1.37	8.91	3.87	1.85	2.28		-1.70	-3.40	-3.13	-3.975	-1.031	-3.46	-2.74
MEDIAN			14.25	9.80		7.15	4.40	7850.00	43.50	5.40	9.00		0.19	0.00	0.05	0.000	0.412	0.03	0.07
STANDARD DEV OF LOGS			0.55	0.31		0.02	0.11	0.88	0.69	0.64	0.63		0.75	0.80	0.30	1.955	0.842	0.65	0.46
STANDARD DEVIATION			6.29	2.54		0.17	0.42	7896.15	42.87	4.84	7.90		0.16	0.01	0.01	0.001	0.331	0.03	0.03
VARIANCE			39.56	6.44		0.03	0.17	**********	1837.67	23.41	62.33		0.03	0.00	0.00	0.000	0.110	0.00	0.00
COEFF OF VARIATION			47.12	28.10		2.38	20.41	80.78	74.55	66.28	68.65		72.98	200.00	28.69	200.000	72.901	76.53	45.18
SUM OF VALUES			53.40	27.10		28.70	16.00	39100.00	230.00	21.90	46.00		0.90	0.01	0.18	0.001	1.817	0.15	0.28
MEAN +2 STD DEV			25.93	14.11		7.52	5.43	25567.30	143.24	16.98	27.29		0.55	0.01	0.07	0.001	1.117	0.09	0.13
MEAN -2 STD DEV			0.77	3.96		6.83	2.57	-6017.30	-28.24	-2.38	-4.29		-0.10	-0.01	0.02	-0.001	-0.208	-0.02	0.01
GEO MEAN +2 STD DEV			36.14	16.19		7.52	5.58	42829.69	188.44	22.65	34.72		0.82	0.17	0.08	0.937	1.920	0.12	0.16
GEO MEAN -2 STD DEV			4.02	4.75		6.84	2.59	1282.92	12.09	1.78	2.78		0.04	0.01	0.02	0.000	0.066	0.01	0.03
SUM OF SQUARES			831.58	257.69		206.01	66.00	**********	18738.00	206.69	716.00		0.23	0.00	0.01	0.000	1.154	0.01	0.02

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
74/04/09	1245	0	6.6	11.8		7.4	5.0	500	40	2.7	15		0.29	0.01	0.00	0.000	0.356	0.00	0.02
74/05/15	1345	0	7.3	12.7		7.2	6.0	400	60	2.8	25		0.17	0.00	0.02	0.000	0.238	0.04	0.06
74/06/11	1110	0	12.0	8.5		7.5	4.0	300	30	1.0K	5		0.08	0.00	0.00	0.000	0.884	0.00	0.04
74/07/17	1315	0	12.0	9.5		7.1	5.0	1300	140	2.5	15		0.05	0.00	0.00	0.000	0.273	0.00	0.02
74/08/22	1330	0	16.1	8.6		7.2	4.0	6700	120	3.0	0								
74/09/11	1450	0	16.5	8.3		7.4	3.0	10000	50	7.0	23		0.14	0.00	0.00	0.000	0.764	0.00	0.03
74/10/09	1325	0	13.1	7.8		7.4	4.0	19000	800L	18.0	7		0.11	0.00	0.00	0.000	0.592	0.03	0.04
74/11/18	1430	0	9.7	11.0		7.3	3.0	11000	400B	10.6	10		0.22	0.00	0.06	0.000	0.368	0.00	0.02
NUMBER OF SAMPLES			8	8	0	8	8	8	8	8	8	0	7	7	7	7	7	7	7
MAXIMUM VALUE			16.50	12.70		7.50	6.00	19000.00	800.00	18.00	25.00		0.29	0.01	0.06	0.000	0.764	0.04	0.06
MINIMUM VALUE			6.60	7.80		7.10	3.00	300.00	30.00	1.00	0.00		0.05	0.00	0.00	0.000	0.238	0.00	0.02
ARITHMETIC MEAN			11.67	9.78		7.31	4.25	6150.00	205.00	5.95	12.50		0.15	0.00	0.01	0.000	0.488	0.01	0.03
GEOMETRIC MEAN			11.15	9.63		7.31	4.14	2397.67	108.60	4.07	6.23		0.13	0.04	0.04	0.050	0.428	0.04	0.03
LOG/GEOMETRIC MEAN			2.41	2.27		1.99	1.42	7.78	4.69	1.40	1.83		-2.03	-3.23	-3.10	-2.998	-0.848	-3.10	-3.50
MEDIAN			12.00	9.05		7.35	4.00	4000.00	90.00	2.90	12.50		0.14	0.00	0.00	0.000	0.368	0.00	0.03
STANDARD DEV OF LOGS			0.34	0.18		0.02	0.24	1.89	1.16	0.93	2.03		0.60	0.81	0.36	0.000	0.459	0.20	0.44
STANDARD DEVIATION			3.65	1.83		0.14	1.04	6829.56	263.97	5.78	8.68		0.08	0.00	0.02	0.000	0.209	0.02	0.01
VARIANCE			13.33	3.33		0.02	1.07	#####	72342.86	33.36	75.43		0.01	0.00	0.00	0.000	0.044	0.00	0.00
COEFF OF VARIATION			31.22	18.67		1.85	24.36	111.05	131.20	97.07	69.48		54.91	264.58	198.43	0.000	44.760	173.21	45.53
SUM OF VALUES			93.50	78.20		58.50	34.00	49200.00	1640.00	47.60	100.00		1.06	0.01	0.08	0.000	3.275	0.07	0.23
MEAN +2 STD DEV			18.98	13.43		7.58	6.32	19809.12	742.93	17.50	29.87		0.32	0.01	0.05	0.000	0.887	0.04	0.06
MEAN -2 STD DEV			4.39	6.12		7.04	2.18	-7509.12	-332.93	-5.60	-4.87		-0.01	-0.01	-0.03	0.000	0.049	-0.02	0.00
GEO MEAN +2 STD DEV			21.87	13.85		7.59	6.76	70822.81	1098.21	26.06	358.99		0.44	0.13	0.09	0.050	1.072	0.07	0.07
GEO MEAN -2 STD DEV			5.69	6.70		7.04	2.54	81.17	10.74	0.64	0.11		0.04	0.01	0.02	0.050	0.171	0.03	0.01
SUM OF SQUARES			1185.93	787.72		427.91	152.00	#####	842600.00	516.74	1778.00		0.20	0.00	0.00	0.000	1.795	0.00	0.01

Table 14, continued.

PS5020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL FBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00217 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
75/04/09	1505	0	9.1	11.0		7.2	4.0	12000	26	6.4	9		0.29	0.00	0.00	0.000	0.274	0.02	0.05
75/05/14	1410	0	11.0	11.6		7.0	8.0	490	110	1.0K	9		0.33	0.00	0.00	0.000	0.201	0.03	
75/06/11	1325	0	12.0	12.3		6.9	4.0	450	52	1.0K	18		0.35	0.00	0.00	0.000	0.173	0.00	0.02
75/07/09	1400	0	14.0	9.3		7.6	7.0	340	70	1.0K	8		0.30	0.00	0.00	0.000	1.000	0.04	0.05
75/08/13	1505	0	17.9	8.8		7.3	6.0	6500	148	7.9	20		0.38	0.00	0.02	0.000	0.674	0.04	0.10
75/09/10	1435	0	15.9	7.3		7.2	5.0	12000	3008	6.5	18		0.13	0.00	0.02	0.000	0.462	0.02	0.05
75/10/07	1425	0	11.9	8.2		7.2	5.0	7900	260	8.0	14		0.20	0.00	0.03	0.000	0.341	0.04	0.07
75/11/11	1030	0	6.1	10.7		7.0	15.0	7700	3408	5.2	9		0.40	0.00	0.04	0.000	0.136	0.02	0.09
NUMBER OF SAMPLES			8	8	0	8	8	8	8	8	8	0	9	8	8	8	8	8	7
MAXIMUM VALUE			17.90	12.30		7.60	15.00	12000.00	340.00	8.00	20.00		0.40	0.00	0.04	0.000	1.000	0.04	0.10
MINIMUM VALUE			6.10	7.30		6.90	4.00	340.00	14.00	1.00	8.00		0.00	0.00	0.00	0.000	0.136	0.00	0.02
ARITHMETIC MEAN			12.24	9.90		7.18	6.75	5922.50	146.50	4.63	13.13		0.19	0.00	0.01	0.000	0.408	0.03	0.06
GEOMETRIC MEAN			11.68	9.76		7.17	6.14	2843.05	88.80	3.29	12.32		0.15	0.05	0.04	0.050	0.329	0.03	0.06
LOG/GEOMETRIC MEAN			2.46	2.28		1.97	1.81	7.95	4.49	1.19	2.51		-1.87	-3.00	-3.32	-2.998	-1.111	-3.49	-2.90
MEDIAN			11.95	10.00		7.20	5.50	7100.00	90.00	5.80	11.50		0.17	0.00	0.01	0.000	0.308	0.03	0.05
STANDARD DEV OF LOGS			0.34	0.18		0.03	0.14	1.60	1.18	0.99	0.38		0.77	0.00	0.41	0.000	0.690	0.38	0.53
STANDARD DEVIATION			3.74	1.76		0.22	3.42	4955.52	132.06	3.13	4.97		0.14	0.00	0.02	0.000	0.297	0.01	0.03
VARIANCE			13.97	3.10		0.05	13.67	######.##	17439.71	9.79	24.70		0.02	0.00	0.00	0.000	0.088	0.00	0.00
COEFF OF VARIATION			30.54	17.79		3.05	53.56	83.67	90.14	67.65	37.86		74.30	0.00	116.22	0.000	72.930	53.63	44.51
SUM OF VALUES			97.90	79.20		57.40	54.00	47380.00	1172.00	37.00	105.00		1.51	0.00	0.11	0.000	3.261	0.21	0.43
MEAN +2 STD DEV			19.71	13.42		7.61	13.58	15833.54	410.62	10.88	23.06		0.47	0.00	0.05	0.000	1.002	0.05	0.12
MEAN -2 STD DEV			4.76	6.38		6.74	-0.48	-3938.54	-117.62	-1.63	3.19		-0.09	0.00	-0.02	0.000	-0.187	0.00	0.01
GEO MEAN +2 STD DEV			22.97	14.07		7.62	14.71	69422.79	940.66	24.05	26.43		0.71	0.05	0.08	0.050	1.309	0.07	0.16
GEO MEAN -2 STD DEV			5.94	6.77		6.75	2.56	116.43	8.38	0.45	5.74		0.03	0.05	0.02	0.050	0.083	0.01	0.02
SUM OF SQUARES			1295.85	805.80		412.18	456.00	######.##	293776.00	239.66	1651.00		0.12	0.00	0.00	0.000	1.948	0.01	0.03

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBIMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
76/04/14	1230	0	7.0	10.9		6.9	7.0	820	408	0.4	9		0.26	0.00	0.02	0.000	0.117	0.01	0.07
76/05/05	1435	0	8.6	10.5		6.9	14.0	540	1608	0.1	0		0.13	0.00	0.05	0.000	0.132	0.02	0.07
76/06/23	1430	0	11.5	11.5		7.0	5.0	1700	40	1.0	5		0.09	0.00	0.02	0.000	0.209	0.02	0.04
76/10/11	1405	0	14.2	8.2		7.3	3.0	17000	37	9.7	5		0.15	0.00	0.13	0.001	0.512	0.04	0.07
76/11/08	1325	0	9.5	10.4		6.9	2.0	17000	54	9.0	9		0.26	0.01	0.09	0.000	0.142	0.04	0.07
NUMBER OF SAMPLES			5	5	0	5	5	5	5	5	5	4	5	5	5	5	5	5	5
MAXIMUM VALUE			14.20	11.50		7.30	14.00	17000.00	160.00	9.70	7.00		0.26	0.01	0.13	0.001	0.512	0.04	0.07
MINIMUM VALUE			7.00	8.20		6.70	2.00	540.00	37.00	0.10	0.00		0.09	0.00	0.02	0.000	0.117	0.01	0.04
ARITHMETIC MEAN			10.16	10.30		7.00	6.20	7412.00	66.20	4.04	5.60		0.18	0.00	0.06	0.000	0.222	0.03	0.06
GEOMETRIC MEAN			9.86	10.23		7.00	4.94	2934.34	55.18	1.28	2.52		0.16	0.04	0.05	0.023	0.188	0.02	0.06
LOG/GEOMETRIC MEAN			2.29	2.33		1.95	1.60	7.98	4.01	0.25	0.92		-1.81	-3.32	-3.05	-3.780	-1.671	-3.77	-2.77
MEDIAN			9.50	10.50		6.70	5.00	1700.00	40.00	1.00	5.00		0.15	0.00	0.05	0.000	0.142	0.02	0.07
STANDARD DEV OF LOGS			0.27	0.13		0.02	0.75	1.66	0.61	1.99	2.21		0.46	0.72	0.85	1.749	0.601	0.58	0.25
STANDARD DEVIATION			2.78	1.25		0.17	4.76	8763.07	52.85	4.86	3.71		0.08	0.00	0.05	0.000	0.186	0.01	0.01
VARIANCE			7.74	1.57		0.03	22.70	######.##	2793.20	23.66	13.80		0.01	0.00	0.00	0.000	0.027	0.00	0.00
COEFF OF VARIATION			27.39	12.15		2.47	76.85	118.23	79.83	120.41	66.34		43.77	223.61	76.85	223.607	74.494	51.60	20.96
SUM OF VALUES			50.80	51.50		35.00	31.00	37060.00	331.00	20.20	28.00		0.89	0.01	0.31	0.001	1.112	0.13	0.32
MEAN +2 STD DEV			15.73	12.80		7.35	15.73	24938.13	171.90	13.77	13.03		0.33	0.01	0.16	0.001	0.554	0.05	0.09
MEAN -2 STD DEV			4.59	7.80		6.65	-3.33	-10114.13	-39.50	-5.69	-1.83		0.02	-0.01	-0.03	-0.001	-0.109	0.00	0.04
GEO MEAN +2 STD DEV			18.97	13.27		7.35	22.31	80413.76	187.83	68.54	209.77		0.41	0.15	0.26	0.754	0.625	0.07	0.10
GEO MEAN -2 STD DEV			5.73	7.89		6.66	1.09	107.08	16.21	0.02	0.03		0.07	0.01	0.01	0.001	0.057	0.01	0.04
SUM OF SQUARES			547.10	536.71		245.12	283.00	######.##	33085.00	176.26	212.00		0.18	0.00	0.03	0.000	0.357	0.00	0.02

Table 14, continued.

PS5020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTV @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SUL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
77/04/11	1335	0	8.2	12.0		6.7	3.0	2004	58	1.0	0		0.23	0.00	0.04	0.000	0.081	0.03	0.03
77/05/09	1250	0	12.0	7.9		6.8	3.0	2704		1.6	9		0.26	0.00	0.04	0.000	0.137	0.02	0.06
77/06/13	1445	0	14.5	11.0		6.5	2.0	7804	110	3.9	14	5.0	0.12	0.00	0.04	0.000	0.083	0.04	0.04
77/07/13	1425	0	15.2	6.5J		7.4	4.0	10704	230	10.0	9	0.9	0.09	0.00	0.06	0.000	0.894	0.03	0.00M
77/08/09	1410	0	20.2	8.9		8.0	2.0	26004	108	16.0M	9	1.9	0.02	0.00	0.08	0.003	3.875	0.03	0.06
77/09/13	1405	0	16.0			7.2	3.0	13004	1408	6.3		1.2	0.19	0.00				0.04	0.06
77/10/17	1450	0	10.5	8.3		7.5	2.0	15704	120	9.8	14		0.25	0.00	0.06	0.000	0.609	0.05	0.07
NUMBER OF SAMPLES			7	6	0	7	7	7	6	7	6	4	7	7	6	6	6	7	7
MAXIMUM VALUE			20.20	12.00		8.00	4.00	26000.00	230.00	16.00	14.00	5.00	0.26	0.00	0.08	0.003	3.875	0.05	0.07
MINIMUM VALUE			8.20	6.50		6.50	2.00	2000.00	10.00	1.00	0.00	0.90	0.02	0.00	0.04	0.000	0.081	0.02	0.00
ARITHMETIC MEAN			13.80	9.10		7.16	2.71	11128.57	111.33	6.94	9.17	2.27	0.17	0.00	0.05	0.001	0.913	0.03	0.05
GEOMETRIC MEAN			13.30	8.91		7.14	2.63	8151.57	79.19	4.83	4.39	1.81	0.13	0.05	0.05	0.031	0.339	0.03	0.05
LOG/GEOMETRIC MEAN			2.59	2.19		1.97	0.97	9.01	4.37	1.58	1.48	0.59	-2.04	-3.00	-2.97	-3.468	-1.083	-3.41	-2.97
MEDIAN			14.50	8.60		7.20	3.00	10700.00	115.00	6.30	9.00	1.59	0.19	0.00	0.05	0.000	0.373	0.03	0.06
STANDARD DEV OF LOGS			0.30	0.22		0.07	0.27	0.94	1.11	1.02	2.20	0.75	0.91	0.00	0.29	1.148	1.526	0.30	0.29
STANDARD DEVIATION			3.95	2.04		0.53	0.76	8278.43	74.96	5.37	5.12	1.88	0.09	0.00	0.02	0.001	1.476	0.01	0.02
VARIANCE			15.62	4.18		0.28	0.57	######.##	5618.67	28.85	26.17	3.52	0.01	0.00	0.00	0.000	2.179	0.00	0.00
COEFF OF VARIATION			28.64	22.47		7.34	27.85	74.39	67.33	77.36	55.80	82.65	54.96	0.00	30.62	244.943	161.667	28.46	53.37
SUM OF VALUES			96.60	54.60		50.10	19.00	77900.00	668.00	48.60	55.00	9.08	1.16	0.00	0.32	0.003	5.479	0.24	0.32
MEAN +2 STD DEV			21.71	13.19		8.21	4.23	27685.43	261.25	17.68	19.40	6.02	0.35	0.00	0.09	0.003	3.866	0.05	0.09
MEAN -2 STD DEV			5.89	5.01		6.11	1.20	-5428.29	-38.58	-3.80	-1.06	-1.48	-0.02	0.00	0.02	-0.002	-2.039	0.01	0.00
GEO MEAN +2 STD DEV			24.16	13.96		8.26	6.55	53064.81	723.92	37.41	359.95	8.14	0.81	0.05	0.09	0.310	7.164	0.06	0.09
GEO MEAN -2 STD DEV			7.32	5.69		6.17	1.52	1252.21	8.66	0.62	0.05	0.40	0.02	0.05	0.03	0.003	0.016	0.02	0.03
SUM OF SQUARES			1426.82	517.76		360.23	55.00	######.##	102464.00	510.50	635.00	31.17	0.24	0.00	0.02	0.000	15.900	0.01	0.02

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PSI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
78/05/08	1425	0	11.0			7.3	4.0	3400	74	1.2			0.20	0.00	0.05	0.000	0.400	0.03	0.03
78/06/12	1400	0	14.1			7.4	4.0	3620	1708	2.0	0		0.08	0.00	0.02	0.000	0.638	0.01	0.04
78/07/12	1415	0	17.0			7.3	3.0	6430	390	3.5	32		0.10	0.00	0.06	0.000	0.631	0.02	0.04
78/08/07	1505	0	21.9	7.8		7.4	3.0	14400	208	9.1			0.03	0.00	0.04	0.000	1.133	0.03	0.06
78/09/11	1655	0	14.9	8.8		7.3	3.0	7070	740	4.3			0.20	0.00	0.07	0.000	0.539	0.02	0.08
78/10/09	1335	0	13.9	8.6		7.7	2.0	22200	608	15.6			0.19	0.00	0.04	0.000	1.247	0.04	0.08
78/11/13	1325	0	5.1	12.0		7.3	4.0	8950	1608	4.8	28		0.54	0.02K	0.07	0.000	0.251	0.00	0.05
NUMBER OF SAMPLES			7	4	0	7	7	7	7	7	3	0	7	7	7	7	7	7	7
MAXIMUM VALUE			21.90	12.00		7.70	4.00	22200.00	740.00	15.60	32.00		0.54	0.02	0.07	0.000	1.247	0.04	0.08
MINIMUM VALUE			5.10	7.80		7.30	2.00	3400.00	20.00	1.20	0.00		0.03	0.00	0.02	0.000	0.251	0.00	0.03
ARITHMETIC MEAN			13.99	9.30		7.39	3.29	9438.57	230.57	5.79	20.00		0.19	0.00	0.05	0.000	0.691	0.02	0.05
GEOMETRIC MEAN			12.95	9.17		7.38	3.20	7697.27	131.97	4.24	3.55		0.14	0.00	0.05	0.000	0.608	0.03	0.05
LOG/GEOMETRIC MEAN			2.56	2.22		2.00	1.16	8.95	4.88	1.44	1.27		-1.98	-3.13	-3.07	-2.998	-0.497	-3.67	-2.97
MEDIAN			14.10	8.70		7.30	3.00	7070.00	160.00	4.30	28.00		0.19	0.00	0.05	0.000	0.631	0.02	0.05
STANDARD DEV OF LOGS			0.46	0.19		0.02	0.25	0.64	1.21	0.87	3.69		0.91	0.35	0.44	0.000	0.560	0.53	0.37
STANDARD DEVIATION			5.17	1.85		0.15	0.76	6741.54	255.45	5.02	17.44		0.17	0.01	0.02	0.000	0.368	0.01	0.02
VARIANCE			26.74	3.43		0.02	0.57	######.##	65255.62	25.18	304.00		0.03	0.00	0.00	0.000	0.135	0.00	0.00
COEFF OF VARIATION			36.97	19.90		1.98	23.01	71.43	110.79	86.73	87.18		87.54	264.58	36.51	0.000	53.226	62.78	36.62
SUM OF VALUES			97.90	37.20		51.70	23.00	66070.00	1614.00	40.50	60.00		1.34	0.02	0.35	0.000	4.839	0.15	0.38
MEAN +2 STD DEV			24.33	13.00		7.68	4.80	22921.65	741.48	15.82	54.87		0.53	0.02	0.09	0.000	1.427	0.05	0.09
MEAN -2 STD DEV			3.64	5.60		7.09	1.77	-4044.51	-280.33	-4.25	-14.87		0.14	-0.01	0.01	0.000	-0.045	-0.01	0.01
GEO MEAN +2 STD DEV			32.58	13.32		7.68	5.31	30276.77	1479.87	23.92	5734.30		0.86	0.09	0.11	0.050	1.863	0.07	0.11
GEO MEAN -2 STD DEV			5.15	6.32		7.10	1.93	1956.85	11.77	0.75	0.00		0.02	0.02	0.02	0.050	0.199	0.01	0.02
SUM OF SQUARES			1529.65	356.24		331.97	79.00	######.##	763676.00	385.39	1808.00		0.45	0.00	0.02	0.000	4.157	0.00	0.02

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
79/04/09	1445	0	9.3	11.6		7.1	2.0	4680	440	2.6	5		0.48	0.01K	0.11	0.000	0.222	0.06	0.05
79/05/08	1315	0	9.9	11.2		7.4	4.0	14300		0.7	5		0.16	0.01K	0.08	0.000	0.462	0.03	0.06
79/06/11	1320	0	13.9			7.0	5.0	954	88	1.2	9	0.5	0.04	0.01K	0.05	0.000	0.251	0.05	0.05
79/07/17	1400	0	19.0	11.5		7.2	4.0	7690	648	4.6	5	1.0	0.04	0.01K	0.14	0.001	0.582	0.01K	0.04
79/08/28	1400	0	17.5	5.2	57.5	7.2	3.0	17200	160K	11.6	14	1.5	0.06	0.02K	0.21	0.001	0.521	0.09	0.11
79/09/11	1445	0	16.0	7.9	83.8	7.3	2.0	14800	290	9.5	5	1.0	0.11	0.01K	0.12	0.001	0.586	0.07	0.07
79/10/16	1415	0				7.8	1.0	28600	520b	19.8	14	1.5	0.23	0.01K	0.10			0.06	0.09
NUMBER OF SAMPLES			6	5	2	7	7	7	6	7	7	5	7	7	7	6	6	7	7
MAXIMUM VALUE			19.00	11.60	83.80	7.80	5.30	28600.00	520.00	19.80	14.00	1.50	0.48	0.02	0.21	0.001	0.586	0.09	0.11
MINIMUM VALUE			9.30	5.20	57.50	7.00	1.30	954.00	64.00	0.70	5.00	0.50	0.04	0.01	0.05	0.000	0.222	0.01	0.04
ARITHMETIC MEAN			14.27	9.48	70.65	7.29	3.30	12603.43	260.33	7.14	8.14	1.10	0.16	0.01	0.12	0.001	0.437	0.05	0.07
GEOMETRIC MEAN			13.77	9.07	69.42	7.28	2.57	8633.23	197.75	4.17	7.30	1.02	0.11	0.01	0.11	0.007	0.407	0.04	0.06
LOG/GEOMETRIC MEAN			2.62	2.20	4.24	1.99	0.78	9.06	5.29	1.43	1.99	0.02	-2.21	-4.51	-2.24	-4.953	-0.893	-3.11	-2.78
MEDIAN			14.95	11.20	70.65	7.20	3.00	14300.00	225.00	4.60	5.00	1.00	0.11	0.01	0.11	0.001	0.452	0.06	0.06
STANDARD DEV OF LOGS			0.30	0.35	0.27	0.04	0.56	1.13	0.86	1.23	0.49	0.45	0.94	0.26	0.45	2.142	0.433	0.74	0.36
STANDARD DEVIATION			3.99	2.84	18.60	0.26	1.41	9195.59	189.16	6.95	4.26	0.42	0.16	0.00	0.05	0.001	0.162	0.03	0.02
VARIANCE			15.95	8.09	345.85	0.07	2.00	######.##	35779.87	48.24	18.14	0.18	0.02	0.00	0.00	0.000	0.026	0.00	0.00
COEFF OF VARIATION			27.99	30.00	26.32	3.58	47.14	72.96	72.66	97.22	52.31	33.03	98.36	33.07	43.74	109.545	37.114	49.71	37.20
SUM OF VALUES			85.60	47.40	141.30	51.00	21.00	88224.00	1562.00	50.01	57.00	5.50	1.12	0.08	0.81	0.003	2.624	0.37	0.47
MEAN +2 STD DEV			22.25	15.17	107.84	7.81	5.33	30994.62	638.64	21.04	16.66	1.94	0.47	0.02	0.22	0.002	0.762	0.11	0.12
MEAN -2 STD DEV			6.28	3.79	33.46	6.76	0.17	-5787.76	-117.98	-6.75	-0.38	0.26	-0.15	0.00	0.01	-0.001	0.113	0.00	0.02
GEO MEAN +2 STD DEV			25.03	18.26	118.25	7.81	8.13	83146.83	1103.30	49.10	19.60	2.51	0.71	0.02	0.26	0.512	0.969	0.19	0.13
GEO MEAN -2 STD DEV			7.57	4.50	40.75	6.79	0.37	896.40	35.44	0.35	2.72	0.42	0.02	0.01	0.04	0.000	0.171	0.01	0.03
SUM OF SQUARES			1300.96	481.70	10328.69	371.98	75.00	######.##	585540.00	646.75	573.00	6.75	0.33	0.00	0.11	0.000	1.279	0.02	0.04

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTIV' @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTIVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
80/04/14	1440	0	10.3	9.9	88.5	7.2	4.0	2150	3558	1.0		1.0	0.32	0.01K	0.07	0.000	0.301	0.02	0.03
80/05/13	1510	0	11.5	14.2	130.3	8.5	5.0	1660	846	0.9	9	1.0	0.10	0.01K	0.04	0.002	6.212	0.01	0.04
80/06/10	1530	0	14.1	11.0	107.8	7.9	1.0	37600	68	2.1	0	1.5	0.13	0.01K	0.13	0.003	1.991	0.06	0.06
80/07/09	1510	0	11.5	8.6	81.9	7.9	3.0	13100	66	7.3	0	1.2	0.05	0.01K	0.03	0.000	1.836	0.01	0.04
80/08/12	1455	0	18.1	7.1	80.3	7.8	1.0	21700	8608	13.5	0	1.2	0.13	0.01K	0.17	0.004	2.133	0.05	0.11
80/09/08	1505	0	16.0	6.5	67.1	7.6	3.0	7140	7108	4.7	9	0.5	0.24	0.01K	0.05	0.001	1.162	0.05	0.07
80/10/21	1345	0	12.3	8.5	86.1	7.7	4.0	20700	250	14.7	9	1.5	0.21	0.01K	0.06	0.001	1.104	0.04	0.08
80/11/18	1405	0	9.2	9.0	85.1	7.5	2.0	20900	270	14.5	5	2.0	0.36	0.01K	0.09	0.000	0.550	0.05	0.06
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8
MAXIMUM VALUE			18.10	14.20	130.30	8.50	8.00	37600.00	860.00	14.70	9.00	2.00	0.36	0.01	0.17	0.004	6.212	0.06	0.11
MINIMUM VALUE			9.20	6.50	67.10	7.20	1.00	1660.00	66.00	0.90	0.00	0.50	0.06	0.01	0.03	0.000	0.301	0.01	0.03
ARITHMETIC MEAN			12.88	9.35	90.86	7.76	3.50	15618.75	332.88	7.34	4.57	1.25	0.19	0.01	0.08	0.001	1.836	0.04	0.06
GEOMETRIC MEAN			12.59	9.10	89.21	7.75	2.81	10207.20	220.14	4.58	0.89	1.17	0.17	0.01	0.07	0.006	1.319	0.03	0.06
LOG/GEOMETRIC MEAN			2.53	2.21	4.49	2.05	1.03	9.23	5.39	1.52	-0.11	0.16	-1.79	-4.61	-2.68	-5.044	0.277	-3.53	-2.87
MEDIAN			11.90	8.80	85.60	7.75	3.50	16900.00	260.00	6.00	5.00	1.25	0.17	0.01	0.07	0.001	1.369	0.05	0.06
STANDARD DEV OF LOGS			0.23	0.25	0.20	0.05	0.75	1.15	1.02	1.17	2.71	0.41	0.61	0.00	0.59	1.760	0.914	0.75	0.42
STANDARD DEVIATION			3.00	2.42	19.47	0.38	2.33	12120.55	301.12	6.08	4.50	0.44	0.11	0.00	0.05	0.002	1.862	0.02	0.03
VARIANCE			8.97	5.88	379.07	0.14	5.43	******.**	90673.55	37.00	20.29	0.20	0.01	0.00	0.00	0.000	3.469	0.00	0.00
COEFF OF VARIATION			23.27	25.93	21.43	4.87	66.57	77.60	90.46	82.84	98.52	35.46	55.45	0.00	60.13	109.523	98.746	55.05	42.25
SUM OF VALUES			103.00	74.80	726.90	62.10	28.00	124950.00	2663.00	58.74	32.00	10.00	1.55	0.08	0.64	0.011	15.089	0.29	0.49
MEAN +2 STD DEV			18.87	14.20	129.80	8.52	8.16	39859.86	935.12	19.51	13.58	2.14	0.41	0.01	0.18	0.004	5.611	0.08	0.11
MEAN -2 STD DEV			6.88	4.50	51.92	7.01	-1.16	-8622.36	-269.37	-4.82	-4.44	0.36	-0.02	0.01	-0.02	-0.002	-1.839	0.00	0.01
GEO MEAN +2 STD DEV			19.78	14.88	133.25	8.54	12.56	101052.89	1690.86	47.24	200.21	2.67	0.57	0.01	0.22	0.218	8.202	0.13	0.13
GEO MEAN -2 STD DEV			8.01	5.56	59.73	7.04	0.63	1031.03	28.66	0.44	0.00	0.51	0.05	0.01	0.02	0.000	0.212	0.01	0.02
SUM OF SQUARES			1388.94	740.52	68701.43	483.05	136.00	******.**	******.**	690.27	268.00	13.88	0.38	0.00	0.07	0.000	52.741	0.01	0.03

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP CEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PB1 mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
81/05/26	1340	0	12.3	10.3	95.9	7.8	2.0	177	380	0.3		0.8	0.16	0.01K	0.03	0.000	1.386	0.02	0.03
81/06/16	1420	0	13.8	10.8	104.1	7.4	10.0	1030	9108	0.7	5	0.3	0.30	0.01K	0.21	0.001	0.624	0.09	0.11
81/07/27	1405	0				7.6	1.0	13500	84	9.6	5	1.2	0.09	0.01K	0.04			0.01	0.06
81/08/18	1400	0	14.5	5.9	58.1	7.4	1.0	16500	21008	12.7	5	1.0	0.10	0.01	0.23	0.002	0.658	0.10	0.15
81/10/21	1415	0	11.0	8.3	81.9	7.6	2.0	19500	48	14.9	5	2.0	0.33	0.01	0.03	0.000	0.796	0.04	0.06
81/11/03	1430	0	10.7	10.0	92.2	7.4	5.0	7310	880	4.9	5	1.2	0.33	0.01	0.09	0.000	0.492	0.03	0.03
NUMBER OF SAMPLES			5	5	5	6	6	6	6	6	5	6	6	6	6	5	5	6	6
MAXIMUM VALUE			14.50	10.80	104.10	7.80	10.00	19500.00	2100.00	14.90	5.00	2.00	0.33	0.01	0.23	0.002	1.386	0.10	0.15
MINIMUM VALUE			10.70	5.90	58.10	7.40	1.00	177.00	4.00	0.30	5.00	0.30	0.09	0.01	0.03	0.000	0.492	0.01	0.03
ARITHMETIC MEAN			12.46	9.06	86.44	7.53	3.50	9669.50	726.33	7.18	5.00	1.08	0.22	0.01	0.11	0.001	0.791	0.05	0.07
GEOMETRIC MEAN			12.37	8.86	84.78	7.53	2.42	4237.37	244.71	3.51	5.00	0.94	0.19	0.01	0.07	0.012	0.741	0.04	0.06
LOG/GEOMETRIC MEAN			2.52	2.18	4.44	2.02	0.88	8.35	5.50	1.26	1.61	-0.06	-1.68	-4.61	-2.61	-4.423	-0.300	-3.33	-2.79
MEDIAN			12.30	10.00	92.20	7.50	2.00	10405.00	630.00	7.25	5.00	1.10	0.23	0.01	0.07	0.000	0.658	0.04	0.06
STANDARD DEV OF LOGS			0.13	0.25	0.23	0.02	0.91	1.89	2.29	1.64	0.00	0.64	0.60	0.00	0.94	1.967	0.390	0.88	0.66
STANDARD DEVIATION			1.67	2.00	17.74	0.16	3.51	8102.88	774.42	6.17	0.00	0.56	0.11	0.00	0.09	0.001	0.350	0.04	0.05
VARIANCE			2.80	4.00	314.58	0.03	12.30	######.##	599722.27	38.09	0.00	0.31	0.01	0.00	0.01	0.000	0.122	0.00	0.00
COEFF OF VARIATION			13.44	22.08	20.52	2.17	100.20	83.80	106.62	85.92	0.00	51.70	52.42	0.00	87.65	149.071	44.193	77.87	64.92
SUM OF VALUES			62.30	45.30	432.20	45.20	21.00	58017.00	4358.00	43.10	25.00	6.50	1.31	0.06	0.63	0.003	3.956	0.29	0.44
MEAN +2 STD DEV			15.81	13.06	121.91	7.86	10.51	25875.25	2275.17	19.53	5.00	2.20	0.45	0.01	0.29	0.002	1.491	0.12	0.17
MEAN -2 STD DEV			9.11	5.06	50.97	7.21	-3.51	-6536.25	-822.50	-5.16	5.00	-0.04	-0.01	0.01	-0.08	-0.001	0.092	-0.03	-0.02
GEO MEAN +2 STD DEV			16.18	14.54	133.83	7.86	15.04	186496.72	23911.34	94.06	5.00	3.36	0.63	0.01	0.48	0.613	1.616	0.21	0.23
GEO MEAN -2 STD DEV			9.46	5.39	53.71	7.21	0.35	96.28	2.50	0.13	5.00	0.26	0.08	0.01	0.01	0.000	0.339	0.01	0.02
SUM OF SQUARES			787.47	426.43	38617.68	340.64	135.00	######.##	######.##	500.05	125.00	8.61	0.35	0.00	0.11	0.000	3.619	0.02	0.04

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
82/04/26	1430	0	10.1	11.8	105.6	7.8	9.0	2880	24	2.1	0	1.1	0.24	0.01	0.03	0.000	1.171	0.03	0.04
82/05/17	1350	0	10.0	11.9	105.2	7.4	5.0	257	56	0.3	0	1.5	0.14	0.01K	0.04	0.000	0.466	0.03	0.04
82/06/21	1420	0	13.3	11.4	109.5	7.3	1.0		77	0.4	5	0.5	0.08	0.01K	0.04	0.000	0.478	0.04	0.06
82/07/27	1430	0	18.0	6.9	73.4	7.3	5.0	4270	878	2.9	5	2.5	0.17	0.01K	0.12	0.001	0.679	0.03	0.05
82/08/16	1500	0	16.0	8.2	88.3	7.7	6.0	16700	84	12.2	0	1.3	0.15	0.01K	0.03	0.000	1.458	0.02	0.05
82/09/21	1425	0	15.0	7.6	77.5	7.4	2.0	8670	37	6.2	9	1.5	0.19	0.01K	0.07	0.000	0.683	0.05	0.08
82/10/27	1435	0				7.7	1.0	20700	1208	17.6	0	2.0	0.25	0.01	0.05			0.05	0.07
82/11/15	1355	0	5.5	12.4	102.7	7.6	3.0	10400	988	7.4	5	2.0	0.30	0.01K	0.06	0.000	0.516	0.04	0.06
NUMBER OF SAMPLES			7	7	7	8	8	7	8	8	8	8	8	8	8	7	7	8	8
MAXIMUM VALUE			18.00	12.40	109.50	7.80	9.00	20700.00	120.00	17.60	9.00	2.50	0.30	0.01	0.12	0.001	1.458	0.05	0.07
MINIMUM VALUE			5.50	6.90	73.40	7.30	1.00	257.00	24.00	0.30	0.00	0.50	0.06	0.01	0.03	0.000	0.466	0.02	0.04
ARITHMETIC MEAN			12.56	10.03	94.60	7.53	4.00	9125.29	72.88	6.14	3.00	1.55	0.19	0.01	0.06	0.000	0.779	0.04	0.05
GEOMETRIC MEAN			11.80	9.78	93.56	7.52	3.08	5168.40	65.26	3.04	0.54	1.42	0.17	0.01	0.05	0.029	0.710	0.03	0.05
LOG/GEOMETRIC MEAN			2.47	2.28	4.54	2.02	1.12	8.55	4.18	1.11	-0.62	0.35	-1.77	-4.61	-3.00	-3.556	-0.342	-3.36	-2.94
MEDIAN			13.30	11.40	102.70	7.50	4.00	8670.00	80.50	4.55	2.50	1.50	0.18	0.01	0.05	0.000	0.679	0.04	0.06
STANDARD DEV OF LOGS			0.40	0.25	0.16	0.03	0.83	1.50	0.54	1.51	2.55	0.50	0.50	0.00	0.47	1.478	0.449	0.31	0.20
STANDARD DEVIATION			4.29	2.35	14.73	0.20	2.78	7465.55	31.97	6.14	3.46	0.52	0.08	0.00	0.03	0.000	0.385	0.01	0.01
VARIANCE			18.40	5.53	217.09	0.04	7.71	######.##	1021.84	37.65	12.00	0.38	0.01	0.00	0.00	0.000	0.149	0.00	0.00
COEFF OF VARIATION			34.16	23.45	15.57	2.63	69.44	81.81	43.86	99.97	115.47	39.72	40.09	0.00	54.11	264.575	49.505	29.26	19.73
SUM OF VALUES			87.90	70.20	662.20	60.20	32.00	63877.00	583.00	49.10	24.00	12.40	1.50	0.08	0.44	0.001	5.451	0.29	0.43
MEAN +2 STD DEV			21.14	14.73	124.07	7.92	9.55	24056.38	136.81	18.41	9.93	2.79	0.34	0.01	0.11	0.001	1.550	0.06	0.07
MEAN -2 STD DEV			3.98	5.33	65.13	7.13	-1.55	-5805.81	8.94	-6.13	-3.93	0.31	0.04	0.01	0.00	-0.001	0.008	0.02	0.03
GEO MEAN +2 STD DEV			26.46	16.06	129.64	7.93	16.09	103157.92	192.94	62.01	87.90	3.32	0.46	0.01	0.13	0.548	1.741	0.06	0.08
GEO MEAN -2 STD DEV			5.27	5.95	67.52	7.14	0.59	258.95	22.08	0.15	0.00	0.32	0.06	0.01	0.02	0.001	0.290	0.02	0.04
SUM OF SQUARES			1214.15	737.18	63946.64	453.28	182.00	######.##	49639.00	564.67	158.00	21.70	0.32	0.00	0.03	0.000	5.136	0.01	0.02

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00360 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHORUS mg/l P	00665 TOTAL PHOSPHORUS mg/l P
83/04/18	1335	0	12.5	11.8	112.9	7.2	7.0	6310	22	4.3	0	1.5	0.33	0.01K	0.07	0.000	0.357	0.02	0.06
83/05/23	1320	0	14.0	11.0	106.7	7.3	6.0	1530	748	1.0	9	2.0	0.13	0.01K	0.05	0.000	0.504	0.03	0.03
83/06/27	1130	0	15.0	8.7	87.2	7.2	7.0	4770	120	3.2	5	1.5	0.13	0.01K	0.06	0.000	0.432	0.03	0.04
83/07/19	1415	0	14.2	10.6	103.2	7.2	13.0	1360	220	1.0	5	0.5	0.16	0.01K	0.14	0.001	0.407	0.04	0.04
83/08/23	1410	0	19.0	6.9	79.4	7.4	3.0	19800	92	13.4	0	1.5	0.07	0.01K	0.06	0.001	0.919	0.04	0.05
83/09/26	1450	0	14.3	8.5	86.2	7.4	5.0	12200	88	7.8	0	1.8	0.24	0.01K	0.12	0.001	0.648	0.05	0.05
83/10/26	1425	0	10.0	11.5	107.5	7.7	4.0	15700	240	9.8	9	1.5	0.38	0.01K	0.09	0.001	0.925	0.04	0.04
83/11/14	1425	0	8.5			7.4	5.0	9450	430	6.0	9	1.0	0.40	0.01K	0.01K	0.000K	0.414K	0.04	0.05
NUMBER OF SAMPLES			8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8
MAXIMUM VALUE			19.00	11.80	112.90	7.70	13.00	19800.00	430.00	13.40	9.00	2.00	0.40	0.01	0.14	0.001	0.925	0.05	0.06
MINIMUM VALUE			8.50	6.90	79.40	7.20	3.00	1360.00	22.00	1.00	0.00	0.50	0.07	0.01	0.01	0.000	0.357	0.02	0.03
ARITHMETIC MEAN			13.44	9.86	97.59	7.35	6.25	8890.00	160.75	5.81	4.63	1.41	0.21	0.01	0.08	0.001	0.576	0.04	0.05
GEOMETRIC MEAN			13.09	9.70	96.82	7.35	5.72	6221.45	117.33	4.13	1.11	1.32	0.18	0.01	0.06	0.007	0.540	0.04	0.04
LOG/GEOMETRIC MEAN			2.57	2.27	4.57	1.99	1.74	8.74	4.76	1.42	0.10	0.28	-1.71	-4.61	-2.80	-4.955	-0.616	-3.35	-3.12
MEDIAN			14.10	10.60	103.20	7.35	5.50	7880.00	106.00	5.15	5.00	1.50	0.20	0.01	0.07	0.001	0.468	0.04	0.05
STANDARD DEV OF LOGS			0.25	0.20	0.14	0.02	0.44	1.01	0.91	0.98	2.58	0.44	0.55	0.00	0.81	2.090	0.375	0.28	0.21
STANDARD DEVIATION			3.21	1.84	13.01	0.17	3.06	6667.35	131.34	4.36	4.17	0.47	0.10	0.00	0.04	0.001	0.231	0.01	0.01
VARIANCE			10.30	3.38	169.27	0.03	9.36	######.##	17249.07	18.98	17.41	0.22	0.01	0.00	0.00	0.000	0.053	0.00	0.00
COEFF OF VARIATION			23.88	18.64	13.33	2.30	48.94	75.00	81.70	74.96	90.22	33.08	51.16	0.00	54.74	106.904	40.110	25.27	20.57
SUM OF VALUES			107.50	69.00	683.10	58.80	50.00	71120.00	1286.00	46.50	37.00	11.30	1.64	0.08	0.60	0.004	4.606	0.29	0.36
MEAN +2 STD DEV			19.86	13.53	123.61	7.69	12.37	22224.71	423.42	14.53	12.97	2.35	0.41	0.01	0.16	0.002	1.038	0.05	0.06
MEAN -2 STD DEV			7.02	6.18	71.56	7.01	0.13	-4444.71	-101.92	-2.90	-3.72	0.48	0.00	0.01	-0.01	-0.001	0.114	0.02	0.03
GEO MEAN +2 STD DEV			21.58	14.43	127.22	7.69	13.72	47131.96	718.96	29.50	192.31	3.18	0.54	0.01	0.31	0.462	1.142	0.06	0.07
GEO MEAN -2 STD DEV			7.94	6.52	73.68	7.02	2.39	821.24	19.15	0.58	0.01	0.55	0.06	0.01	0.01	0.000	0.255	0.02	0.03
SUM OF SQUARES			1516.63	700.40	67676.43	432.38	378.00	######.##	327468.00	403.17	293.00	17.49	0.41	0.00	0.06	0.000	3.025	0.01	0.02

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL PBI mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
84/04/10	1345	0	9.0	12.6	111.3	7.6	5.0	6820	104	4.2	0	1.0	0.34	0.01K	0.10	0.001	0.681	0.04	0.06
84/05/14	1305	0	11.0	12.3	111.2	7.8	13.0	221	150	0.3	0	2.0	0.25	0.01K	0.06	0.001	1.255	0.06	0.09
84/06/11	1345	0	12.3	11.0	102.5	7.9	10.0	601	100	0.5	9	1.5	0.22	0.01K	0.06	0.001	1.739		0.10
84/07/16	1340	0	18.0	10.1	107.4	7.5	7.0	4230	47	2.7	0	2.0	0.06	0.01K	0.06	0.001	1.073		0.06
84/08/13	1355	0	18.8	6.8	76.8	7.2	4.0	14700	5100	10.7	0	2.0	0.12	0.01K	0.10	0.001	0.573	0.04	0.06
84/09/10	1405	0	15.0	8.7	88.7	7.3	5.0	9700	180	6.2	0	2.5	0.24	0.01	0.09	0.000	0.543	0.06	0.08
84/10/16	1420	0	9.5	11.0	101.4	7.4	3.0	12200	140	9.3	0	2.0	0.28	0.01K	0.04	0.000	0.448	0.04	0.08
84/11/13	1405	0	8.2	12.0	102.3	7.0	6.0	2460	210	1.4	9	0.9	0.41	0.01K	0.06	0.000	0.161	0.04	0.04
NUMBER OF SAMPLES			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	6	8
MAXIMUM VALUE			18.80	12.60	111.30	7.90	13.00	14700.00	5100.00	10.70	9.00	2.50	0.41	0.01	0.10	0.001	1.739	0.06	0.10
MINIMUM VALUE			8.20	6.80	76.80	7.00	3.00	221.00	47.00	0.30	0.00	0.90	0.06	0.01	0.04	0.000	0.161	0.04	0.04
ARITHMETIC MEAN			12.73	10.56	100.20	7.46	6.63	6366.50	180.13	4.41	2.25	1.74	0.24	0.01	0.07	0.001	0.809	0.05	0.07
GEOMETRIC MEAN			12.17	10.38	99.53	7.46	5.98	3363.93	145.23	2.49	0.18	1.65	0.21	0.01	0.07	0.004	0.660	0.05	0.07
LOG/GEOMETRIC MEAN			2.50	2.34	4.60	2.01	1.79	8.12	4.98	0.91	-1.70	0.50	-1.56	-4.61	-2.69	-5.441	-0.416	-3.08	-2.68
MEDIAN			11.65	11.00	102.40	7.45	5.50	5525.00	145.00	3.45	0.00	2.00	0.25	0.01	0.06	0.001	0.827	0.04	0.07
STANDARD DEV OF LOGS			0.32	0.21	0.13	0.04	0.48	1.51	0.69	1.33	2.40	0.37	0.52	0.00	0.32	2.024	0.736	0.21	0.29
STANDARD DEVIATION			4.10	1.98	11.87	0.30	3.34	5419.92	142.51	3.98	4.17	0.56	0.11	0.00	0.02	0.001	0.511	0.01	0.02
VARIANCE			16.83	3.92	141.00	0.09	11.13	#####	20309.27	15.84	17.36	0.31	0.01	0.00	0.00	0.000	0.261	0.00	0.00
COEFF OF VARIATION			32.24	18.75	11.85	4.05	50.35	85.13	79.12	90.20	185.16	31.95	46.50	0.00	31.33	22.808	63.133	22.13	27.50
SUM OF VALUES			101.80	84.50	801.60	59.70	53.00	50932.00	1441.00	35.30	18.00	13.93	1.93	0.08	0.57	0.005	6.473	0.28	0.57
MEAN +2 STD DEV			20.93	14.52	123.95	8.07	13.30	17206.33	465.15	12.37	10.58	2.83	0.47	0.01	0.12	0.002	1.831	0.07	0.11
MEAN -2 STD DEV			4.52	6.60	76.45	6.86	-0.05	-4473.33	-104.90	-3.55	-6.08	0.66	0.02	0.01	0.03	0.000	-0.213	0.03	0.03
GEO MEAN +2 STD DEV			22.96	15.75	128.32	8.07	15.53	69092.40	571.66	35.49	22.43	3.46	0.73	0.01	0.13	0.248	2.672	0.07	0.12
GEO MEAN -2 STD DEV			6.45	6.84	77.19	6.83	2.30	163.78	36.89	0.17	0.00	0.79	0.06	0.01	0.04	0.000	0.151	0.03	0.04
SUM OF SQUARES			1413.22	919.99	81307.32	448.15	429.00	#####	401725.00	266.65	162.00	26.31	0.55	0.00	0.04	0.000	7.064	0.01	0.04

Table 14, continued.

PSS020 EBEY SLOUGH NEAR MARYSVILLE

DATE FROM TO	TIME	DEPTH METERS	00010 WATER TEMP DEG-C	00300 DISSOLVED OXYGEN mg/l	00301 DO PERCENT SATURATN	00400 pH STANDARD UNITS	00070 TURBIDITY TURBMETER NTU	00095 CONDUCTVY @ 25 C MICROMHOS	31616 FECAL COLIFORM /100ml MF	70305 SALINITY CONDUCTVY g/l	00760 SWL F&I mg/l	00078 TRANSPAR SECCHI METERS	00620 NITRATE T NO3-N mg/l	00615 NITRITE T NO2-N mg/l	00610 AMMONIA T NH3-N mg/l	00619 UN-IONZD AMMONIA mg/l	00617 UN-IONZD AMMONIA PERCENT	00671 DIS-ORTHO PHOSPHRUS mg/l P	00665 TOTAL PHOSPHRUS mg/l P
85/04/08	1355	0	8.9	12.2	104.3	7.3	4.0	912	47	3.6K	9	1.0	0.26	0.01K	0.07	0.000	0.340	0.03	0.07
85/05/20	1325	0	9.8	11.7	104.9	7.0	1.0K	259	92	3.6K	0	1.0	0.17	0.01K	0.03	0.000	0.183	0.03	0.08
85/06/17	1315	0	13.5	10.6	103.2	7.8	6.0	272	47	3.6K	9	1.0	0.10	0.01K	0.03	0.000	1.518	0.04	0.06
NUMBER OF SAMPLES			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAXIMUM VALUE			13.50	12.20	104.90	7.80	6.00	912.00	92.00	3.60	9.00	1.00	0.26	0.01	0.07	0.000	1.518	0.04	0.08
MINIMUM VALUE			8.90	10.60	103.20	7.00	1.00	259.00	47.00	3.60	0.00	1.00	0.10	0.01	0.03	0.000	0.183	0.03	0.06
ARITHMETIC MEAN			10.73	11.50	104.13	7.37	3.67	481.00	62.00	3.60	6.00	1.00	0.18	0.01	0.04	0.000	0.680	0.03	0.07
GEOMETRIC MEAN			10.56	11.48	104.13	7.36	2.88	400.52	58.79	3.60	1.59	1.00	0.16	0.01	0.04	0.000	0.455	0.03	0.07
LOG/GEOMETRIC MEAN			2.36	2.44	4.65	2.00	1.06	5.99	4.07	1.28	0.47	0.00	-1.81	-4.61	-3.22	-2.998	0.787	-3.41	-2.67
MEDIAN			9.80	11.70	104.30	7.30	4.00	272.00	47.00	3.60	9.00	1.00	0.17	0.01	0.03	0.000	0.340	0.03	0.07
STANDARD DEV OF LOGS			0.22	0.07	0.01	0.05	0.96	0.71	0.39	0.00	3.00	0.00	0.48	0.00	0.49	0.000	1.088	0.17	0.14
STANDARD DEVIATION			2.44	0.82	0.86	0.40	2.52	373.31	25.98	0.00	5.20	0.00	0.48	0.00	0.02	0.000	0.730	0.01	0.01
VARIANCE			5.94	0.67	0.74	0.16	6.33	139363.00	675.00	0.00	27.00	0.00	0.01	0.00	0.00	0.000	0.532	0.00	0.00
COEFF OF VARIATION			22.71	7.12	0.83	5.49	68.61	77.61	41.90	0.00	86.60	0.00	45.10	0.00	53.29	0.000	107.253	17.32	14.29
SUM OF VALUES			32.20	34.50	312.40	22.10	11.00	1443.00	186.00	10.80	18.00	3.00	0.53	0.03	0.13	0.000	2.041	0.10	0.21
MEAN +2 STD DEV			15.61	13.14	105.86	8.17	8.70	1227.63	113.96	3.60	16.39	1.00	0.34	0.01	0.09	0.000	2.140	0.04	0.09
MEAN -2 STD DEV			5.86	9.86	102.41	6.56	-1.33	-265.63	10.04	3.60	-4.39	1.00	0.02	0.01	0.00	0.000	-0.779	0.02	0.05
GEO MEAN +2 STD DEV			16.33	13.26	105.87	8.21	18.89	1667.15	127.69	3.60	661.75	1.00	0.43	0.01	0.11	0.050	4.010	0.05	0.09
GEO MEAN -2 STD DEV			6.83	9.94	102.42	6.60	0.44	96.22	27.07	3.60	0.00	1.00	0.06	0.01	0.01	0.050	0.052	0.02	0.05
SUM OF SQUARES			357.50	398.09	32532.74	163.13	53.00	972809.00	12882.00	38.88	152.00	3.00	0.1	0.00	0.01	0.000	2.453	0.00	0.01

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Renson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC[c]
1	6/24/80	0945	+LLW	S	0	13.1	23.0	29.2	10.5	114	2.0	8.1	--	--	--	--	--	3	4	38	9	--	180	3
				M	4.6	10.5	27.5	31.8	9.9	105	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	9.1	9.7	27.5	31.5	9.3	97	--	8.0	--	--	--	--	--	2	10	42	5	--	--	--
		1555	+LHW	S	0	15.6	22.5	29.4	10.6	120	2.0	8.0	0.02	<0.01	0.03	0.02	0.06	1	5	46	5	8	67[d]	0
				M	5.5	9.7	28.3	32.4	10.6	111	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	11.0	12.0	22.4	26.7	10.7	113	--	7.9	--	--	--	--	--	1	5	8	23	--	--	--
	6/25/80	1015	+LLW	S	0	12.8	22.8	28.3	11.3	122	2.1	8.2	--	--	--	--	--	2	8	29	0	--	140	15
				M	4.0	12.3	24.2	30.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	7.9	9.9	28.2	32.8	7.5	79	--	8.0	--	--	--	--	--	2	10	97	14	--	--	--
		1745	-LHW	S	0	13.2	24.5	30.1	10.2	112	1.8	8.0	--	--	--	--	--	2	8	34	0	--	150	0
				M	6.1	10.9	28.0	32.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	12.2	9.7	28.7	32.6	10.7	112	--	7.9	--	--	--	--	--	2	8	4	0	--	--	--
	9/09/80	1000	-LLW	S	0	13.9	25.8	32.1	6.4	72	1.5	7.6	0.19	<0.01	0.32	0.10	0.20	6	6	100	77	23	400[d]	42
				M	4.6	10.0	28.0	33.5	5.7	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	9.1	8.2	30.1	34.5	5.4	55	--	7.7	--	--	--	--	--	2	4	4	9	--	--	--
		1700	+HHW	S	0	15.8	25.3	32.9	6.2	72	0.6	7.4	--	--	--	--	--	2	22	320	14	--	5,800[d]	50
				M	5.8	12.5	28.0	33.9	6.2	69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	11.6	12.0	25.7	31.0	6.0	65	--	7.7	--	--	--	--	--	--	20	33	9	--	--	--
	9/10/80	1145	LLW	S	0	13.9	25.6	32.5	6.8	76	1.4	7.6	--	--	--	--	--	2	8	92	59	--	1,300[d]	100
				M	4.6	12.2	29.6	35.0	5.8	64	--	7.6	--	--	--	--	--	2	7	63	41	--	--	--
				D	9.1	12.7	26.5	31.5	5.3	58	--	7.7	--	--	--	--	--	1	8	4	9	--	--	--
		1840	HHW	S	0	15.5	25.5	32.8	6.4	74	1.5	7.6	--	--	--	--	--	2	10	100	59	--	1,400[d]	98
				M	6.1	11.7	29.3	34.6	5.1	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	12.2	11.1	29.4	34.3	5.1	55	--	7.7	--	--	--	--	--	1	8	4	9	--	--	--
	3/10/81	0717	HHW	S	0	7.9	23.2	25.2	8.6	84	1.2	7.8	0.41	<0.01	0.02	0.07	0.10	2	9	92	45	--	2,900	3
				M	5.8	7.8	28.8	31.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	11.6	7.6	29.6	31.4	8.0	81	--	7.7	--	--	--	--	--	3	6	4	9	--	--	--
		1342	LLW	S	0	10.3	23.8	27.7	--	--	0.8	6.8	0.31	<0.01	0.30	0.19	0.25	6	--	130	50	37	16,000[d]	0
				M	3.4	10.2	24.7	28.4	--	--	--	7.4	--	--	--	--	--	7	10	320	200	--	--	--
				D	6.7	8.8	28.3	31.1	9.3	96	--	7.4	--	--	--	--	--	7	16	370	240	--	--	--
	3/11/81	0900	-HHW	S	0	8.8	23.2	25.8	9.4	93	1.8	7.6	--	--	--	--	--	1	24	80	45	--	3,000	13
				M	5.5	8.0	29.4	31.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	11.0	7.8	29.6	31.6	7.8	79	--	7.6	--	--	--	--	--	2	14	8	5	--	--	--
		1435	LLW	S	0	11.0	22.9	27.0	9.0	93	1.7	7.6	--	--	--	--	--	3	4	21	9	--	<200	--
				M	4.3	10.5	24.2	28.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	8.5	7.9	29.3	31.5	7.3	74	--	7.5	--	--	--	--	--	2	22	320	190	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KES[c]
2	6/24/80	1020	+LLW	S	0	14.6	22.6	29.3	10.0	112	1.8	8.1	--	--	--	--	--	2	5	34	5	--	100	10
				M	4.9	11.1	27.3	32.0	11.3	121	--	7.9	--	--	--	--	--	3	10	92	5	--	--	--
				D	9.8	9.3	27.8	32.4	10.5	109	--	8.0	--	--	--	--	--	3	9	25	5	--	--	--
		1630	LHW	S	0	14.2	23.2	30.0	10.3	114	1.9	8.1	0.03	<0.01	0.04	0.03	0.06	2	4	50	5	8	90[d]	11
				M	6.1	11.1	27.8	32.4	10.7	115	--	8.0	--	--	--	--	--	2	5	17	0	--	--	--
				D	12.2	9.9	28.7	32.5	10.5	111	--	8.0	--	--	--	--	--	1	6	4	0	--	--	--
	6/25/80	1025	+LLW	S	0	13.6	22.9	28.4	9.1	100	2.3	8.1	--	--	--	--	--	4	14	63	9	--	390[d]	9
				M	6.1	10.3	28.8	33.0	10.7	114	--	8.0	--	--	--	--	--	3	8	55	5	--	--	--
				D	12.2	9.4	29.4	32.9	7.5	79	--	7.8	--	--	--	--	--	2	6	8	5	--	--	--
		1740	-LHW	S	0	13.6	24.0	30.6	10.3	114	1.8	8.1	--	--	--	--	--	1	5	29	0	--	110	5
				M	6.1	10.8	28.0	32.7	10.7	114	--	8.0	--	--	--	--	--	1	11	4	0	--	--	--
				D	12.2	10.2	28.5	32.7	10.6	112	--	8.1	--	--	--	--	--	1	6	4	5	--	--	--
	9/09/80	1020	-LLW	S	0	13.2	26.6	32.3	6.4	71	1.4	7.6	0.18	<0.01	0.29	0.12	0.18	4	7	96	77	16	930[d]	14
				M	4.6	9.4	28.7	34.4	5.9	62	--	7.6	--	--	--	--	--	5	24	100	81	--	--	--
				D	9.1	11.4	29.7	34.7	5.4	59	--	7.7	--	--	--	--	--	2	3	4	9	--	--	--
		1705	+HHW	S	0	12.5	25.1	32.4	6.4	70	1.1	7.6	--	--	--	--	--	2	48	220	18	--	7,500[d]	33
				M	6.1	10.4	28.3	33.7	6.2	66	--	7.5	--	--	--	--	--	2	18	54	23	--	--	--
				D	12.2	12.2	27.5	32.4	5.6	61	--	7.6	--	--	--	--	--	1	16	13	9	--	--	--
	9/10/80	1155	LLW	S	0	14.5	25.7	32.7	6.7	76	1.5	7.7	--	--	--	--	--	2	6	79	45	--	420[d]	89
				M	4.6	11.8	29.2	34.4	5.6	62	--	7.7	--	--	--	--	--	3	10	120	120	--	--	--
				D	9.1	11.5	30.2	35.8	4.9	54	--	7.8	--	--	--	--	--	2	8	4	5	--	--	--
		1850	HHW	S	0	15.6	25.0	32.7	6.8	78	1.2	7.7	--	--	--	--	--	2	10	83	50	--	820	88
				M	6.1	11.3	29.4	34.4	5.5	60	--	7.7	--	--	--	--	--	1	10	25	18	--	--	--
				D	12.2	10.7	29.7	34.4	5.5	59	--	7.7	--	--	--	--	--	1	8	4	5	--	--	--
	3/10/81	0756	-HHW	S	0	8.5	23.8	26.5	8.1	80	0.9	7.6	0.40	<0.01	0.04	0.13	0.17	2	8	210	110	--	10,000	0
				M	6.1	7.8	29.2	31.2	8.5	86	--	7.6	--	--	--	--	--	2	2	13	14	--	--	--
				D	12.2	7.8	29.8	31.6	7.5	76	--	7.7	--	--	--	--	--	3	3	4	5	--	--	--
		1345	LLW	S	0	10.0	24.0	26.6	7.4	76	1.8	7.5	--	--	--	--	--	2	12	67	41	--	1,200	0
				M	4.6	8.6	25.1	27.8	8.3	83	--	7.5	0.38	<0.01	0.03	0.08	0.10	2	20	50	27	11	--	--
				D	9.1	9.2	26.6	29.7	7.1	73	--	7.8	--	--	--	--	--	6	27	220	140	--	--	--
	3/11/81	0908	-HHW	S	0	8.6	23.9	26.5	8.9	88	1.5	7.6	--	--	--	--	--	4	11	71	41	--	4,200	14
				M	6.1	7.8	29.0	31.4	8.5	86	--	7.7	--	--	--	--	--	4	6	4	9	--	--	--
				D	12.2	8.0	30.1	32.1	8.5	87	--	7.7	0.42	<0.01	0.01	0.06	0.07	5	6	4	5	--	--	--
		1440	LLW	S	0	9.2	22.9	26.0	9.0	90	3.0	7.7	--	--	--	--	--	3	5	17	23	--	120[d]	0
				M	4.6	8.9	24.3	27.3	7.8	78	--	7.5	--	--	--	--	--	2	17	180	95	--	--	--
				D	9.1	8.0	29.0	31.0	7.1	72	--	7.5	--	--	--	--	--	2	10	130	72	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KES[c]
3	6/24/80	1040	+LLW	S	0	14.4	22.7	28.9	9.1	101	2.0	8.2	--	--	--	--	--	2	4	38	5	--	--	--
				M	3.7	11.3	26.9	32.0	9.6	103	--	7.9	--	--	--	--	--	2	10	100	9	--	--	--
				D	7.3	--	--	--	9.6	--	--	7.8	--	--	--	--	--	2	8	130	14	--	--	--
		1625	LHW	S	0	15.2	23.4	30.4	10.3	117	2.1	8.1	0.03	<0.01	0.04	0.03	0.06	4	6	55	5	7	180	6
				M	4.6	11.5	27.4	32.4	10.3	111	--	8.0	--	--	--	--	--	2	12	63	0	--	--	--
				D	9.1	11.6	25.8	30.5	10.9	117	--	8.1	--	--	--	--	--	1	6	8	0	--	--	--
	6/25/80	1035	+LLW	S	0	13.9	23.5	29.5	9.7	107	0.9	7.8	--	--	--	--	--	5	8	55	5	--	520[d]	2
				M	3.0	12.5	25.1	30.9	10.3	112	--	8.0	--	--	--	--	--	2	8	84	9	--	--	--
				D	6.1	11.4	27.7	32.0	10.2	110	--	7.9	--	--	--	--	--	3	11	84	9	--	--	--
		1720	LHW	S	0	14.1	24.4	30.7	10.1	113	1.8	8.0	--	--	--	--	--	2	8	63	9	--	160	9
				M	4.6	11.5	28.4	32.7	10.7	116	--	8.0	--	--	--	--	--	2	9	63	14	--	--	--
				D	9.1	10.8	28.0	32.6	11.0	118	--	8.0	--	--	--	--	--	2	7	4	0	--	--	--
	9/09/80	1040	-LLW	S	0	12.2	26.1	31.7	6.7	73	1.3	7.7	0.18	<0.01	0.18	0.09	0.13	1	5	63	45	16	620[d]	27
				M	4.0	12.0	27.9	33.8	6.1	67	--	7.6	--	--	--	--	--	5	16	110	77	--	--	--
				D	7.9	11.5	30.2	34.8	5.8	64	--	7.7	--	--	--	--	--	4	13	21	14	12	--	--
		1710	+HHW	S	0	15.3	24.7	32.5	6.5	74	0.9	7.6	--	--	--	--	--	2	18	190	32	--	7,000[d]	50
				M	6.1	12.4	27.5	33.5	6.0	65	--	7.5	--	--	--	--	--	2	22	54	150	--	--	--
				D	12.2	11.6	29.0	33.9	5.3	53	--	7.6	--	--	--	--	--	--	17	13	5	--	--	--
	9/10/80	1210	LLW	S	0	15.5	25.2	32.7	6.3	73	1.7	7.6	--	--	--	--	--	3	9	75	36	--	300	73
				M	3.4	13.2	27.8	34.2	5.5	62	--	7.7	--	--	--	--	--	2	14	180	99	--	--	--
				D	6.7	11.9	29.8	35.0	5.7	63	--	7.7	--	--	--	--	--	2	13	8	14	--	--	--
		1855	HHW	S	0	15.4	25.3	32.8	6.4	74	--	7.8	--	--	--	--	--	2	7	46	28	--	840	88
				M	6.1	11.1	29.5	34.5	5.4	59	--	7.7	--	--	--	--	--	1	8	21	9	--	--	--
				D	12.2	10.9	29.3	33.9	5.1	55	--	7.7	--	--	--	--	--	1	10	42	5	--	--	--
	3/10/81	0745	-HHW	S	0	8.8	24.2	28.0	7.6	75	0.9	7.6	--	--	--	--	--	3	22	210	140	--	9,000	7
				M	5.2	7.9	29.2	31.2	7.3	74	--	7.6	0.40	<0.01	0.02	0.08	0.09	4	15	38	32	--	--	--
				D	10.4	7.8	29.7	31.5	7.4	75	--	7.7	--	--	--	--	--	3	9	21	14	--	--	--
		1354	LLW	S	0	9.9	23.2	26.6	8.9	90	1.8	7.7	0.41	<0.01	0.04	0.08	0.10	3	24	55	32	9	8,400	10
				M	4.6	9.2	24.4	27.7	9.2	93	--	7.6	--	--	--	--	--	5	29	59	36	--	--	--
				D	9.1	8.4	29.2	31.6	7.5	77	--	8.0	0.39	<0.01	0.16	0.12	0.14	7	16	180	110	25	--	--
	3/11/81	0915	-HHW	S	0	8.9	23.3	26.2	8.0	80	1.2	7.6	--	--	--	--	--	3	26	120	63	--	3,400	12
				M	6.7	7.8	28.9	31.4	7.7	73	--	7.7	--	--	--	--	--	2	20	4	9	--	--	--
				D	13.4	8.2	24.5	26.7	7.7	75	--	7.7	--	--	--	--	--	2	17	4	5	--	--	--
		1447	LLW	S	0	9.5	22.6	26.0	8.7	87	2.4	7.6	--	--	--	--	--	2	10	25	18	--	500[d]	0
				M	4.9	9.1	24.9	28.0	8.4	85	--	7.6	--	--	--	--	--	2	13	55	23	--	--	--
				D	9.8	8.2	27.0	29.4	7.7	77	--	7.5	--	--	--	--	--	3	17	55	23	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
4	6/24/80	1115	+LLW	S	0	15.2	22.4	29.3	9.8	110	2.4	8.0	--	--	--	--	--	2	6	46	5	--	95[d]	5
				M	4.6	11.9	26.9	32.3	11.1	120	--	7.9	--	--	--	--	--	4	7	84	9	--	--	--
				D	9.1	10.3	26.1	30.4	9.6	100	--	7.9	--	--	--	--	--	4	6	17	5	--	--	--
		1645	LHW	S	0	14.9	23.5	30.0	9.8	111	1.8	8.1	0.05	<0.01	0.05	0.04	0.06	2	6	67	5	7	700[d]	0
				M	9.1	10.4	28.5	32.7	10.0	106	--	8.0	--	--	--	--	--	2	7	13	0	--	--	--
				D	18.3	10.1	26.2	29.9	4.7	49	--	7.7	--	--	--	--	--	4	8	8	5	--	--	--
	6/25/80	1040	+LLW	S	0	13.2	22.0	27.8	8.8	95	2.4	8.1	--	--	--	--	--	2	9	29	9	--	140	4
				M	4.6	10.1	28.3	32.3	9.9	105	--	8.0	--	--	--	--	--	2	8	46	9	--	--	--
				D	9.1	10.5	24.7	28.6	9.1	95	--	8.0	--	--	--	--	--	2	14	8	0	--	--	--
		1735	-LHW	S	0	14.4	23.4	29.4	9.5	106	1.8	8.0	--	--	--	--	--	2	10	38	0	--	180	3
				M	6.1	11.2	28.7	33.2	10.3	112	--	8.1	--	--	--	--	--	1	10	4	0	--	--	--
				D	12.2	10.4	25.8	29.8	10.2	107	--	8.0	--	--	--	--	--	2	8	4	0	--	--	--
	9/09/80	1055	-LLW	S	0	13.8	24.9	31.4	6.7	75	2.2	7.7	0.17	<0.01	0.07	0.08	0.12	2	3	38	23	11	120	21
				M	4.3	12.0	29.1	34.3	5.5	61	--	7.6	--	--	--	--	--	3	5	58	36	--	--	--
				D	8.5	9.9	27.7	32.6	5.7	60	--	7.7	0.30	<0.01	0.02	0.08	0.11	5	4	4	9	8	--	--
		1723	+HHW	S	0	14.4	24.9	32.3	6.6	74	1.8	7.5	--	--	--	--	--	2	16	42	180	--	380[d]	45
				M	6.1	12.6	28.0	33.8	6.2	69	--	7.5	--	--	--	--	--	2	16	42	9	--	--	--
				D	12.2	12.0	29.5	34.6	5.3	59	--	7.7	--	--	--	--	--	1	17	4	36	--	--	--
	9/10/80	1230	+LLW	S	0	15.4	25.2	32.4	6.7	77	1.8	7.6	--	--	--	--	--	2	13	50	23	--	360[d]	89
				M	4.9	12.3	29.3	34.4	5.5	61	--	7.7	--	--	--	--	--	2	10	17	9	--	--	--
				D	9.8	11.8	30.0	34.6	4.9	54	--	7.7	--	--	--	--	--	2	11	4	5	--	--	--
	3/10/81	0810	-HHW	S	0	7.4	22.9	24.8	8.9	85	2.1	7.6	0.43	<0.01	0.01	0.06	0.07	2	4	8	14	--	340	6
				M	--	7.7	29.4	31.4	7.5	76	--	7.6	--	--	--	--	--	2	20	4	5	--	--	--
				D	--	7.4	27.9	29.7	7.7	76	--	7.6	0.42	<0.01	0.01	0.06	0.06	2	9	29	0	--	--	--
		1426	+LLW	S	0	8.4	23.3	26.0	9.2	90	1.8	7.8	0.40	<0.01	0.01	0.07	0.08	2	16	42	23	10	900[d]	3
				M	4.3	8.2	24.8	27.3	--	--	--	7.7	--	--	--	--	--	2	11	38	27	--	--	--
				D	8.5	7.9	29.4	31.7	9.2	93	--	7.7	0.40	<0.01	0.01	0.07	0.08	2	12	50	27	10	--	--
	3/11/81	0925	-HHW	S	0	8.1	23.0	25.4	8.6	84	1.8	7.6	--	--	--	--	--	3	15	21	14	--	230	8
				M	6.1	7.8	29.6	31.6	7.4	75	--	7.7	--	--	--	--	--	2	7	4	5	--	--	--
				D	12.2	8.0	28.3	30.2	7.0	71	--	7.7	--	--	--	--	--	2	13	4	5	--	--	--
		1457	LLW	S	0	9.6	23.2	26.6	8.9	90	2.0	7.6	--	--	--	--	--	4	2	42	18	--	700	14
				M	7.0	8.7	27.4	30.2	7.2	73	--	7.5	--	--	--	--	--	5	13	120	72	--	--	--
				D	14.0	8.1	27.1	29.5	8.2	82	--	7.6	--	--	--	--	--	3	4	71	41	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

					Depth	Field						Laboratory												
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
5	6/24/80	1130	+LLW	S	0	15.9	22.3	29.5	11.1	127	2.1	8.2	--	--	--	--	--	3	6	34	0	--	41	7
				M	4.9	11.7	27.2	32.3	11.1	120	--	8.0	--	--	--	--	--	2	6	55	5	--	--	--
				D	9.8	9.8	28.8	32.9	9.3	98	--	7.9	--	--	--	--	--	3	14	4	5	--	--	--
		1650	-LHW	S	0	14.2	24.2	30.7	10.3	115	1.8	8.1	0.05	<0.01	0.05	0.04	0.06	1	11	63	0	7	200[d]	0
				M	6.1	11.3	27.6	32.3	10.8	116	--	8.1	--	--	--	--	--	2	10	63	5	--	--	--
				D	12.2	10.3	26.4	30.5	9.1	95	--	8.0	--	--	--	--	--	2	7	4	0	--	--	--
	6/25/80	1050	+LLW	S	0	12.9	22.7	28.2	10.9	118	2.3	8.1	--	--	--	--	--	3	8	29	5	--	110	24
				M	4.6	11.0	27.4	32.2	10.3	110	--	8.0	--	--	--	--	--	2	5	59	9	--	--	--
				D	9.1	10.2	22.4	26.0	10.5	107	--	8.1	--	--	--	--	--	2	6	25	0	--	--	--
		1730	LHW	S	0	13.7	23.2	29.4	8.9	98	1.8	8.0	--	--	--	--	--	4	10	42	5	--	380[d]	14
				M	5.9	10.6	28.7	33.2	11.3	121	--	8.1	--	--	--	--	--	2	8	4	0	--	--	--
				D	11.9	10.5	27.2	31.1	10.3	109	--	8.1	--	--	--	--	--	1	8	4	0	--	--	--
	9/09/80	1110	-LLW	S	0	14.4	25.0	31.7	6.8	77	2.1	7.7	0.16	<0.01	0.07	0.07	0.11	1	3	29	18	10	150	50
				M	4.9	11.9	29.6	34.7	6.0	66	--	7.7	--	--	--	--	--	1	5	21	14	--	--	--
				D	9.3	11.3	27.1	32.2	5.2	56	--	7.7	--	--	--	--	--	2	6	4	18	--	--	--
		1730	+HHW	S	0	14.4	25.2	32.2	6.0	68	1.8	7.8	--	--	--	--	--	--	20	25	730	--	140	69
				M	6.1	11.7	28.6	34.1	6.2	68	--	7.7	--	--	--	--	--	1	19	38	28	--	--	--
				D	12.2	11.4	26.1	30.7	5.4	58	--	7.6	--	--	--	--	--	3	29	4	9	--	--	--
	9/10/80	1240	+LLW	S	0	14.6	25.3	32.3	6.7	76	2.0	7.6	--	--	--	--	--	2	12	38	0	--	120	≥17
				M	4.5	11.9	29.2	34.9	5.9	65	--	7.7	--	--	--	--	--	4	10	25	14	--	--	--
				D	9.1	12.3	27.7	33.1	4.6	51	--	7.7	--	--	--	--	--	3	8	4	5	--	--	--
	3/10/81	0823	-HHW	S	0	7.8	23.4	25.5	8.8	86	2.1	7.6	--	--	--	--	--	2	5	8	14	--	--	--
				M	6.1	8.0	29.0	31.0	7.4	75	--	7.7	--	--	--	--	--	2	10	8	9	--	--	--
				D	12.2	7.8	29.9	31.3	7.1	72	--	7.6	--	--	--	--	--	3	9	25	5	--	--	--
		1412	+LLW	S	0	8.9	23.2	26.2	9.9	98	2.4	7.7	--	--	--	--	--	4	12	29	18	--	--	--
				M	4.6	8.3	25.1	27.4	12.0	119	--	7.7	--	--	--	--	--	2	13	34	9	--	--	--
				D	9.1	7.8	28.5	31.0	7.4	74	--	7.6	--	--	--	--	--	2	19	38	18	--	--	--
	3/11/81	0935	-HHW	S	0	8.4	23.5	25.9	8.7	86	1.8	7.6	--	--	--	--	--	2	10	38	18	--	900	7
				M	6.4	8.0	29.3	31.5	7.5	76	--	7.7	--	--	--	--	--	2	13	4	9	--	--	--
				D	12.8	8.0	29.9	32.0	7.5	77	--	7.7	--	--	--	--	--	2	11	4	5	--	--	--
		1507	+LLW	S	0	9.4	22.9	26.3	8.8	88	--	7.7	--	--	--	--	--	4	9	21	9	--	80[d]	0
				M	4.9	8.6	24.6	27.4	8.3	83	--	7.6	--	--	--	--	--	2	3	46	23	--	--	--
				D	9.3	8.0	25.8	28.4	7.2	71	--	7.5	--	--	--	--	--	2	10	130	68	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KES[c]
6	6/24/80	1145	+LLW	S	0	14.9	22.7	29.6	9.5	107	2.0	8.2	--	--	--	--	--	2	9	34	0	--	33	12
				M	5.8	12.2	28.0	33.1	11.1	122	--	8.1	--	--	--	--	--	2	6	17	0	--	--	--
				D	11.6	11.2	28.6	33.3	10.0	108	--	8.1	--	--	--	--	--	3	10	13	0	--	--	--
		1715	-LHW	S	0	14.2	23.7	30.2	10.9	121	2.4	8.1	0.06	<0.01	0.05	0.03	0.06	2	8	42	0	7	80[d]	6
				M	6.1	11.4	27.7	32.4	11.9	129	--	8.1	--	--	--	--	--	4	6	17	9	--	--	--
				D	12.2	10.8	28.1	32.8	11.7	125	--	8.2	--	--	--	--	--	2	8	25	0	--	--	--
	6/25/80	1100	+LLW	S	0	13.3	24.3	29.9	7.8	86	1.8	8.0	--	--	--	--	--	2	5	33	5	--	350[d]	13
				M	4.3	11.3	27.6	32.5	11.1	120	--	8.1	--	--	--	--	--	1	6	25	0	--	--	--
				D	8.5	11.4	28.4	33.2	12.1	131	--	8.1	--	--	--	--	--	1	9	13	0	--	--	--
		1705	LHW	S	0	14.1	24.9	31.2	10.2	114	2.1	7.9	--	--	--	--	--	2	18	63	5	--	180	14
				M	7.6	10.9	28.2	33.4	11.7	126	--	8.1	--	--	--	--	--	2	4	4	5	--	--	--
				D	15.2	11.3	30.4	34.7	12.2	134	--	8.1	--	--	--	--	--	1	6	4	5	--	--	--
	9/09/80	1130	LLW	S	0	15.3	23.9	31.0	6.4	73	1.3	7.5	0.18	<0.01	0.16	0.09	0.14	4	10	54	63	16	250	44
				M	4.9	12.0	29.9	35.1	6.4	71	--	7.6	--	--	--	--	--	3	2	8	14	--	--	--
				D	9.8	11.1	30.7	35.5	5.3	58	--	7.5	--	--	--	--	--	2	7	4	32	--	--	--
		1740	+HHW	S	0	15.0	24.3	31.4	6.9	78	1.8	7.7	--	--	--	--	--	1	13	33	18	--	78[d]	73
				M	5.5	12.6	28.5	33.9	6.2	69	--	7.7	--	--	--	--	--	1	3	21	14	--	--	--
				D	11.0	11.3	29.8	34.6	5.9	64	--	7.7	--	--	--	--	--	2	7	4	5	--	--	--
	9/10/80	1250	+LLW	S	0	14.5	25.0	32.3	7.5	85	2.3	7.7	--	--	--	--	--	2	10	33	18	--	220	≥12
				M	4.6	12.5	28.2	34.1	6.6	73	--	7.7	--	--	--	--	--	2	10	25	14	--	--	--
				D	9.1	10.9	30.8	35.2	6.0	66	--	7.7	--	--	--	--	--	3	9	4	5	--	--	--
		1905	-HHW	S	0	14.2	25.6	32.3	6.5	73	1.5	7.6	--	--	--	--	--	2	9	4	32	--	270	78
				M	6.4	11.2	30.0	34.5	6.2	68	--	7.7	--	--	--	--	--	2	10	4	5	--	--	--
				D	12.8	11.0	30.2	34.5	5.7	62	--	7.7	--	--	--	--	--	1	5	33	5	--	--	--
	3/10/81	0850	-HHW	S	0	7.6	23.2	25.2	8.7	84	2.7	7.6	--	--	--	--	--	3	22	13	18	--	820[d]	3
				M	5.2	8.3	28.5	30.9	7.5	76	--	7.6	0.41	<0.01	0.09	0.08	0.10	3	19	8	18	--	--	--
				D	10.4	7.9	29.4	31.4	7.4	75	--	7.7	--	--	--	--	--	3	10	25	5	--	--	--
		1440	+LLW	S	0	9.2	23.5	25.6	8.8	88	1.8	7.7	--	--	--	--	--	2	21	25	23	--	1,800[d]	14
				M	3.5	8.4	24.0	25.7	9.1	90	--	7.8	0.39	<0.01	0.02	0.05	0.06	1	8	13	5	11	--	--
				D	7.0	8.6	25.5	23.1	8.4	84	--	7.7	--	--	--	--	--	3	14	25	18	--	--	--
	3/11/81	0950	-HHW	S	0	8.6	23.3	25.3	8.7	86	2.3	7.7	--	--	--	--	--	3	12	38	18	--	980	5
				M	5.7	7.8	30.2	32.0	7.7	78	--	7.7	--	--	--	--	--	3	6	4	5	--	--	--
				D	13.4	8.0	30.0	32.1	7.6	78	--	7.7	--	--	--	--	--	4	17	4	0	--	--	--
		1525	+LLW	S	0	8.8	23.4	25.5	9.3	92	3.2	7.7	--	--	--	--	--	1	6	17	9	--	40[d]	0
				M	3.7	9.3	23.3	25.6	--	--	--	7.7	--	--	--	--	--	2	14	25	18	--	--	--
				D	7.3	8.6	27.1	30.0	--	--	--	7.7	--	--	--	--	--	4	6	25	14	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

				Depth		Field						Laboratory												
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
7	6/24/80	1230	+LLW	S	0	17.4	21.9	30.0	8.3	97	1.8	7.9	--	--	--	--	--	2	8	63	0	--	25	12
				M	5.6	11.2	27.7	33.0	10.6	114	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	11.3	12.9	23.7	28.9	7.8	85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1705	-LHW	S	0	13.5	24.3	30.3	9.5	105	1.9	8.0	0.06	<0.01	0.04	0.03	0.06	3	5	71	0	9	120	0
				M	6.1	11.4	27.9	32.5	10.9	118	--	8.1	--	--	--	--	--	2	8	25	5	--	--	--
				D	12.2	9.8	28.3	32.1	8.7	91	--	7.9	--	--	--	--	--	3	7	8	0	--	--	--
	6/25/80	1110	+LLW	S	0	13.0	22.3	28.0	8.7	94	2.1	8.1	--	--	--	--	--	1	3	33	0	--	300	3
				M	4.6	10.6	28.0	32.4	10.6	113	--	7.9	--	--	--	--	--	1	5	13	0	--	--	--
				D	9.1	9.6	28.5	32.4	10.0	105	--	8.0	--	--	--	--	--	2	9	13	0	--	--	--
		1710	LHW	S	0	13.2	24.7	30.7	9.6	106	2.0	7.8	--	--	--	--	--	2	10	46	0	--	75[d]	7
				M	6.4	10.9	28.1	33.0	11.2	120	--	8.1	--	--	--	--	--	3	10	8	5	--	--	--
				D	12.8	9.7	28.9	32.9	10.2	107	--	8.0	--	--	--	--	--	2	12	4	9	--	--	--
	9/09/80	1155	+LLW	S	0	14.5	26.1	32.8	6.4	73	1.8	7.5	0.17	<0.01	0.11	0.08	0.11	3	1	46	36	12	420[d]	31
				M	4.9	12.1	29.5	34.7	5.6	62	--	7.6	--	--	--	--	--	1	7	13	9	--	--	--
				D	9.8	10.5	30.2	35.1	5.6	60	--	7.7	--	--	--	--	--	3	4	4	5	--	--	--
		1750	+HHW	S	0	13.6	24.9	31.5	7.1	79	2.1	7.8	--	--	--	--	--	2	8	21	18	--	100	76
				M	6.7	12.4	28.0	33.7	6.5	72	--	7.7	--	--	--	--	--	1	11	17	14	--	--	--
				D	13.4	11.2	30.2	34.8	6.0	66	--	7.7	--	--	--	--	--	2	9	4	5	--	--	--
	9/10/80	1310	+LLW	S	0	14.4	25.4	32.0	6.8	77	2.6	7.7	--	--	--	--	--	3	8	38	18	--	83[d]	≥50
				M	4.6	12.4	27.9	34.0	5.2	57	--	7.7	--	--	--	--	--	3	11	75	41	--	--	--
				D	9.1	10.8	30.4	35.6	5.1	55	--	7.7	--	--	--	--	--	2	10	4	5	--	--	--
	3/10/81	0840	-HHW	S	0	7.2	22.8	24.6	9.2	88	2.4	7.6	--	--	--	--	--	2	17	17	9	--	--	--
				M	6.4	8.0	28.9	31.0	7.3	74	--	7.6	0.42	<0.01	0.01	0.07	0.08	3	10	8	9	--	--	--
				D	12.8	7.8	29.0	31.2	--	--	--	7.7	--	--	--	--	--	4	20	4	0	--	--	--
		1447	+LLW	S	0	8.5	23.5	26.8	10.4	103	3.7	7.9	--	--	--	--	--	1	15	13	5	--	--	--
				M	5.2	8.2	25.2	27.7	9.5	94	--	7.8	0.44	<0.01	0.01	0.06	0.06	3	25	21	14	8	--	--
				D	10.4	8.0	29.4	31.8	--	--	--	7.7	--	--	--	--	--	1	23	13	9	--	--	--
	3/11/81	0944	-HHW	S	0	8.5	25.0	26.5	8.8	88	1.8	7.7	--	--	--	--	--	3	5	38	18	--	1,100	9
				M	7.0	8.0	29.3	31.3	7.4	75	--	7.7	--	--	--	--	--	3	10	4	0	--	--	--
				D	14.0	7.9	29.8	31.8	7.5	76	--	7.7	--	--	--	--	--	1	14	4	5	--	--	--
		1516	+LLW	S	0	8.8	22.7	25.7	9.4	93	3.0	7.7	--	--	--	--	--	3	6	17	5	--	40[d]	0
				M	5.5	8.4	24.3	26.9	9.3	92	--	7.8	--	--	--	--	--	3	7	17	9	--	--	--
				D	11.0	7.8	29.4	31.8	7.7	78	--	7.7	--	--	--	--	--	2	11	17	9	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KES[c]
8	6/24/80	1245	+LLW	S	0	12.3	26.2	31.6	8.7	95	2.1	8.1	--	--	--	--	--	2	5	34	0	--	180	9
				M	4.6	10.4	28.3	32.7	11.4	121	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	9.1	11.5	27.1	32.1	10.4	112	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1730	-LHW	S	0	12.7	26.2	31.5	10.9	120	2.5	8.3	0.05	<0.01	0.03	0.02	0.06	3	10	29	5	6	48	2
				M	4.7	12.1	27.3	32.6	11.7	128	--	8.2	--	--	--	--	--	1	9	13	0	--	--	--
				D	9.5	10.7	28.3	32.7	11.5	123	--	8.1	--	--	--	--	--	2	4	17	0	--	--	--
	6/25/80	1115	+LLW	S	0	12.2	25.6	30.7	10.9	118	1.8	8.0	--	--	--	--	--	2	6	29	5	--	95[d]	16
				M	4.6	11.3	28.1	32.7	11.6	125	--	8.1	--	--	--	--	--	1	2	8	5	--	--	--
				D	9.1	11.2	26.6	31.2	--	--	--	8.1	--	--	--	--	--	1	5	8	0	--	--	--
		1700	LHW	S	0	14.1	24.1	30.7	10.4	116	1.8	8.2	--	--	--	--	--	2	7	34	0	--	180	3
				M	6.1	11.0	28.5	33.2	11.0	118	--	8.1	--	--	--	--	--	2	6	4	0	--	--	--
				D	12.2	10.7	28.3	32.6	10.2	109	--	8.0	--	--	--	--	--	2	9	8	0	--	--	--
	9/09/80	1210	+LLW	S	0	13.9	25.0	30.4	7.8	87	3.2	7.7	0.17	<0.01	0.03	0.07	0.10	3	4	17	5	8	33	58
				M	4.6	12.7	27.0	33.1	7.1	78	--	7.7	--	--	--	--	--	3	2	21	9	--	--	--
				D	9.1	12.7	27.6	33.6	6.3	70	--	7.6	--	--	--	--	--	3	4	25	18	--	--	--
		1800	HHW	S	0	13.9	25.4	32.0	6.2	69	2.4	7.8	--	--	--	--	--	2	12	21	14	--	150	38
				M	6.1	11.7	29.1	34.3	6.8	75	--	7.7	--	--	--	--	--	1	8	4	5	--	--	--
				D	12.2	11.1	28.7	33.3	6.0	65	--	7.8	--	--	--	--	--	1	6	4	0	--	--	--
	9/10/80	1325	+LLW	S	0	13.9	23.9	30.4	7.4	82	3.0	7.7	--	--	--	--	--	3	8	21	9	--	26	54
				M	3.7	12.7	27.2	32.9	6.9	76	--	7.8	--	--	--	--	--	1	10	21	9	--	--	--
				D	7.3	12.6	27.8	33.7	6.8	75	--	7.8	--	--	--	--	--	2	11	17	9	--	--	--
		1910	-HHW	S	0	13.2	26.7	32.8	6.5	72	2.4	7.6	--	--	--	--	--	1	8	29	14	--	380	76
				M	5.2	11.5	29.6	34.4	6.2	68	--	7.6	--	--	--	--	--	1	6	8	5	--	--	--
				D	10.4	10.5	30.8	34.7	5.6	61	--	7.6	--	--	--	--	--	1	5	4	5	--	--	--
	3/10/81	0900	-HHW	S	0	7.4	23.6	25.5	--	--	3.0	7.6	--	--	--	--	--	2	20	21	9	--	--	--
				M	4.9	7.8	28.8	30.8	8.7	88	--	7.6	--	--	--	--	--	3	42	29	9	--	--	--
				D	9.8	7.8	29.6	31.6	--	--	--	7.7	--	--	--	--	--	2	23	8	5	--	--	--
		1500	+LLW	S	0	8.5	21.4	24.0	--	--	3.5	7.7	--	--	--	--	--	2	20	13	5	--	--	--
				M	3.2	8.1	24.9	27.2	8.4	83	--	7.8	--	--	--	--	--	1	8	8	5	--	--	--
				D	6.4	8.1	25.8	28.2	--	--	--	7.7	--	--	--	--	--	1	13	13	0	--	--	--
	3/11/81	1006	-HHW	S	0	8.2	24.2	26.6	--	--	--	7.7	--	--	--	--	--	2	8	29	9	--	480	7
				M	4.4	8.0	28.6	30.7	8.3	84	--	7.6	--	--	--	--	--	2	11	25	9	--	--	--
				D	8.8	8.0	29.8	31.8	--	--	--	7.7	--	--	--	--	--	2	7	4	9	--	--	--
		1542	+LLW	S	0	8.7	22.6	25.4	--	--	3.0	7.7	--	--	--	--	--	2	9	13	5	--	50[d]	0
				M	2.3	--	--	--	9.1	--	--	7.7	--	--	--	--	--	2	9	17	9	--	--	--
				D	4.6	8.2	23.9	26.5	--	--	--	7.7	--	--	--	--	--	2	7	17	9	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
9	6/24/80	1255	+LLW	S	0	14.5	24.0	31.3	9.4	106	4.3	8.2	--	--	--	--	--	1	5	34	0	--	18[d]	6
				M	9.1	9.1	29.2	32.6	10.8	112	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	18.3	10.5	27.3	31.5	9.7	103	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1737	-LHW	S	0	15.3	21.0	28.5	9.5	106	3.5	8.3	0.02	<0.01	0.01	0.01	0.03	1	6	17	0	5	4[d]	0
				M	9.1	10.9	28.1	32.8	12.0	129	--	8.2	--	--	--	--	--	1	8	8	0	--	--	--
				D	18.3	11.0	26.6	31.0	11.1	118	--	8.2	--	--	--	--	--	1	14	13	0	--	--	--
	6/25/80	1125	+LLW	S	0	13.0	24.1	29.6	10.8	118	1.5	8.2	--	--	--	--	--	2	21	25	0	--	120	13
				M	8.4	9.4	28.2	32.7	11.7	122	--	8.1	--	--	--	--	--	1	18	4	0	--	--	--
				D	16.8	10.0	27.2	30.9	10.1	106	--	8.0	--	--	--	--	--	2	14	4	0	--	--	--
		1600	+LHW	S	0	14.2	25.1	30.7	10.8	121	2.1	8.0	--	--	--	--	--	2	7	29	0	--	140	0
				M	9.5	10.4	28.9	33.2	12.2	130	--	8.1	--	--	--	--	--	2	4	4	0	--	--	--
				D	18.9	9.2	25.6	29.2	10.2	104	--	8.0	--	--	--	--	--	2	7	4	0	--	--	--
	9/09/80	1220	+LLW	S	0	13.8	24.7	31.1	7.6	84	3.4	7.7	0.17	<0.01	0.04	0.07	0.10	4	4	21	14	10	35	29
				M	8.4	12.0	29.6	34.5	6.8	75	--	7.6	--	--	--	--	--	1	2	17	9	--	--	--
				D	16.8	9.5	30.3	34.6	6.1	64	--	7.6	--	--	--	--	--	1	6	4	5	--	--	--
		1810	HHW	S	0	14.1	24.3	30.7	7.4	83	2.4	7.8	--	--	--	--	--	2	10	21	9	--	7[d]	43
				M	9.9	10.8	29.7	34.5	6.1	66	--	7.7	--	--	--	--	--	2	6	4	5	--	--	--
				D	19.8	10.9	28.0	32.3	--	--	--	7.6	--	--	--	--	--	2	4	4	0	--	--	--
	9/10/80	1350	+LLW	S	0	14.0	24.7	32.5	7.7	86	2.9	7.6	--	--	--	--	--	2	11	21	4	--	10[d]	20
				M	8.2	11.6	28.9	34.4	6.2	68	--	7.6	--	--	--	--	--	2	9	25	14	--	--	--
				D	16.5	10.6	30.6	35.2	5.4	58	--	7.7	--	--	--	--	--	1	10	4	0	--	--	--
		1800	+HHW	S	0	14.0	25.6	32.0	7.1	80	2.7	7.7	--	--	--	--	--	1	9	21	14	--	89[d]	43
				M	9.5	10.9	30.2	34.5	6.0	65	--	7.7	--	--	--	--	--	1	4	4	5	--	--	--
				D	18.9	10.7	30.4	34.5	5.5	60	--	7.7	--	--	--	--	--	1	7	4	5	--	--	--
	3/10/81	0912	-HHW	S	0	7.8	23.1	25.2	--	--	3.7	7.7	--	--	--	--	--	2	12	13	5	--	50	4
				M	9.1	7.9	29.6	31.6	7.5	76	--	7.6	--	--	--	--	--	2	20	4	5	--	--	--
				D	18.3	8.0	29.0	31.0	--	--	--	7.6	--	--	--	--	--	4	21	8	0	--	--	--
		1505	+LLW	S	0	8.8	22.9	25.8	--	--	--	7.8	--	--	--	--	--	1	10	13	14	--	12	7
				M	7.9	8.0	27.3	29.5	8.5	85	--	7.7	--	--	--	--	--	2	20	8	0	--	--	--
				D	15.9	8.1	29.3	31.5	--	--	--	7.6	--	--	--	--	--	3	11	17	5	--	--	--
	3/11/81	1014	-HHW	S	0	8.3	23.8	26.1	--	--	3.0	7.7	--	--	--	--	--	2	11	13	5	--	35	0
				M	9.1	7.8	30.0	31.8	7.5	76	--	7.7	--	--	--	--	--	2	23	4	0	--	--	--
				D	18.3	8.0	28.4	30.4	--	--	--	7.7	--	--	--	--	--	2	10	4	0	--	--	--
		1546	+LLW	S	0	8.7	21.2	23.9	--	--	3.0	7.7	--	--	--	--	--	2	5	17	5	--	57[d]	0
				M	7.6	8.2	25.9	28.4	9.1	91	--	7.7	--	--	--	--	--	4	14	13	9	--	--	--
				D	15.2	7.7	29.8	31.7	--	--	--	7.7	--	--	--	--	--	2	13	4	9	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
10	6/24/80	1335	+LLW	S	0	17.2	18.5	25.4	11.2	128	4.3	8.3	--	--	--	--	--	2	8	25	0	--	<1	0
				M	7.6	10.5	28.0	32.4	11.8	125	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	15.2	9.8	28.7	32.7	10.8	114	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1750	-LHW	S	0	16.4	19.8	26.6	9.7	110	3.4	8.3	0.07	<0.01	0.01	0.01	0.04	1	12	25	0	6	11[c]	0
				M	8.2	11.3	28.7	33.4	11.9	129	--	8.2	--	--	--	--	--	2	8	13	0	--	--	--
				D	16.5	10.8	28.7	32.9	11.7	126	--	8.1	--	--	--	--	--	3	12	29	0	--	--	--
	6/25/80	1245	+LLW	S	0	13.8	21.8	28.2	11.3	123	1.5	8.2	--	--	--	--	--	4	18	21	0	--	100	10
				M	7.3	10.9	28.4	33.0	11.4	122	--	8.1	--	--	--	--	--	2	9	4	0	--	--	--
				D	14.6	10.3	26.7	30.6	10.6	111	--	8.0	--	--	--	--	--	2	10	4	0	--	--	--
		1545	+LHW	S	0	12.7	25.9	31.6	11.6	127	3.4	8.2	--	--	--	--	--	3	4	17	0	--	18[d]	6
				M	8.4	9.3	29.0	32.4	11.9	124	--	8.1	--	--	--	--	--	2	5	8	0	--	--	--
				D	16.8	10.7	23.7	27.7	10.0	104	--	7.9	--	--	--	--	--	2	9	8	0	--	--	--
	9/09/80	1250	+LLW	S	0	11.3	21.0	27.1	7.8	80	2.7	7.7	0.19	<0.01	0.03	0.08	0.09	1	10	25	14	9	26	42
				M	6.9	12.6	27.1	33.0	7.5	83	--	7.8	--	--	--	--	--	2	12	38	9	--	--	--
				D	13.7	11.0	28.7	33.7	6.7	72	--	7.7	--	--	--	--	--	2	9	25	9	--	--	--
		1830	HHW	S	0	15.2	22.6	29.2	6.0	68	3.1	7.8	--	--	--	--	--	1	5	17	5	--	36	6
				M	8.4	10.9	30.2	34.8	5.2	68	--	7.6	--	--	--	--	--	3	10	8	9	--	--	--
				D	16.8	11.4	25.4	30.0	5.0	64	--	7.7	--	--	--	--	--	2	4	4	5	--	--	--
	9/10/80	1400	+LLW	S	0	15.0	23.9	30.9	7.8	88	3.2	7.8	--	--	--	--	--	2	10	17	8	--	3[d]	67
				M	7.3	12.5	28.2	34.0	5.6	73	--	7.8	--	--	--	--	--	2	11	17	14	--	--	--
				D	14.6	11.9	29.1	34.4	5.7	63	--	7.7	--	--	--	--	--	1	12	8	5	--	--	--
		1755	+HHW	S	0	14.7	25.0	32.1	7.6	86	3.7	7.8	--	--	--	--	--	1	7	17	9	--	8[d]	25
				M	8.4	10.9	29.8	34.6	5.8	63	--	7.6	--	--	--	--	--	1	4	4	9	--	--	--
				D	16.8	10.7	30.2	34.4	5.5	60	--	7.7	--	--	--	--	--	1	10	8	5	--	--	--
	3/10/81	0945	-HHW	S	0	7.9	23.7	25.9	--	--	4.3	7.9	--	--	--	--	--	2	10	13	5	--	--	--
				M	7.6	7.8	28.6	30.9	7.7	78	--	7.8	--	--	--	--	--	2	12	8	5	--	--	--
				D	15.2	8.1	28.4	30.6	--	--	--	7.8	--	--	--	--	--	4	8	8	5	--	--	--
		1311	-LLW	S	0	8.6	22.8	25.5	--	--	--	7.7	--	--	--	--	--	2	16	29	0	--	--	--
				M	6.7	8.2	26.3	28.7	8.8	88	--	7.7	--	--	--	--	--	2	15	21	5	--	--	--
				D	13.4	8.0	28.5	30.7	--	--	--	7.7	--	--	--	--	--	2	18	17	5	--	--	--
	3/11/81	1035	-HHW	S	0	8.5	25.5	25.1	--	--	4.3	7.7	--	--	--	--	--	2	9	13	5	--	--	--
				M	7.6	8.0	29.8	31.9	7.6	78	--	7.7	--	--	--	--	--	3	10	4	5	--	--	--
				D	15.2	8.5	25.3	28.2	--	--	--	7.7	--	--	--	--	--	3	11	4	0	--	--	--
		1400	-LLW	S	0	9.1	22.6	25.7	--	--	3.7	7.7	--	--	--	--	--	2	16	8	9	--	40[d]	50
				M	7.0	8.2	24.8	27.2	8.8	87	--	7.7	--	--	--	--	--	2	2	8	9	--	--	--
				D	14.0	7.8	28.5	30.8	--	--	--	7.7	--	--	--	--	--	3	19	8	9	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

				Depth		Field						Laboratory												
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KES[c]
11	6/24/80	1350	+LLW	S	0	14.5	23.2	30.2	12.3	137	4.9	8.3	--	--	--	--	--	3	9	21	0	--	<1	0
				M	15.2	9.0	29.6	33.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	21.3	--	--	--	11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1830	-LHW	S	0	15.1	23.6	30.2	12.5	142	4.3	8.5	<0.01	<0.01	0.01	<0.01	0.03	2	4	13	0	6	<1	0
				M	15.2	--	--	--	--	--	--	8.1	--	--	--	--	--	1	<1	4	0	--	--	--
					18.3	9.8	28.9	32.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
					21.3	--	--	--	11.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	30.5	--	--	--	--	--	--	8.0	0.25	<0.01	0.03	0.03	0.05	1	7	4	0	--	--	--
	6/25/80	1150	+LLW	S	0	12.8	15.9	20.4	10.7	110	2.1	8.1	--	--	--	--	--	2	10	21	0	--	230	2
				M	15.2	9.2	27.4	32.5	11.0	113	--	8.0	--	--	--	--	--	2	8	4	0	--	--	--
				D	30.5	--	--	--	--	--	--	7.9	--	--	--	--	--	1	5	4	0	--	--	--
		1525	+LHW	S	0	12.7	25.3	30.9	12.2	133	3.0	8.2	--	--	--	--	--	2	7	17	0	--	15[d]	13
				M	15.2	--	--	--	--	--	--	8.1	--	--	--	--	--	2	4	8	0	--	--	--
					18.3	8.7	29.6	32.1	10.7	111	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	30.5	--	--	--	--	--	--	7.9	--	--	--	--	--	1	12	4	0	--	--	--
	9/09/80	1305	+LLW	S	0	13.6	17.5	22.4	7.8	83	3.2	7.8	0.17	<0.01	0.03	0.06	0.09	2	14	33	9	7	28	18
				M	22.9	--	--	--	5.9	--	--	7.4	0.32	<0.01	0.01	0.07	0.09	1	12	25	0	8	--	--
				D	41.2	6.8	30.7	34.9	5.6	56	--	7.5	--	--	--	--	--	1	10	25	0	7	--	--
		1840	-HHW	S	0	14.2	23.6	30.5	7.5	84	1.8	7.8	--	--	--	--	--	2	8	21	14	--	46	37
				M	22.9	10.7	30.4	34.8	5.6	61	--	7.8	--	--	--	--	--	2	8	4	5	--	--	--
				D	45.7	--	--	--	--	--	--	7.7	--	--	--	--	--	2	7	4	5	--	--	--
	9/10/80	1430	+LLW	S	0	14.8	23.2	30.0	7.4	83	3.2	7.8	--	--	--	--	--	1	10	13	8	--	6[d]	0
				M	22.9	10.8	30.8	35.0	6.1	66	--	7.7	--	--	--	--	--	1	6	4	5	--	--	--
				D	38.1	--	--	--	5.6	--	--	7.7	--	--	--	--	--	2	6	4	0	--	--	--
		1745	+HHW	S	0	13.6	26.1	32.6	7.7	86	4.6	7.8	--	--	--	--	--	2	7	17	9	--	4[d]	0
				M	22.9	10.5	30.2	34.5	5.6	60	--	7.6	--	--	--	--	--	1	6	4	5	--	--	--
				D	38.1	--	--	--	5.3	--	--	7.7	--	--	--	--	--	1	10	4	5	--	--	--
	3/10/81	0939	-HHW	S	0	7.8	22.1	24.5	9.4	90	3.7	7.7	--	--	--	--	--	3	11	8	9	--	4[d]	0
				M	29.0	7.9	30.2	32.0	7.5	77	--	7.7	--	--	--	--	--	2	8	4	5	--	--	--
				D	97.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1320	-LLW	S	0	8.3	23.1	25.6	--	--	4.0	7.8	--	--	--	--	--	2	7	21	0	--	100	6
				M	29.0	8.0	30.2	32.2	7.8	80	--	7.7	--	--	--	--	--	1	18	8	0	--	--	--
				D	97.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/81	1045	-HHW	S	0	8.5	21.5	24.0	--	--	4.3	7.7	--	--	--	--	--	2	7	13	5	--	3[d]	0
				M	14.5	--	--	--	--	--	--	7.7	--	--	--	--	--	2	7	4	5	--	--	--
				D	29.0	7.8	30.2	32.3	7.5	76	--	7.7	--	--	--	--	--	2	13	4	5	--	--	--
		1415	-LLW	S	0	8.2	18.3	20.9	--	--	1.8	7.6	--	--	--	--	--	2	11	13	9	--	78	5
				M	29.0	7.7	29.9	32.2	7.4	75	--	7.7	--	--	--	--	--	1	11	4	5	--	--	--
				D	97.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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						Field						Laboratory													
				Depth																					
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
12	6/24/80	1305	+LLW	S	0	13.4	24.6	31.1	9.5	105	2.4	8.2	--	--	--	--	--	3	8	50	5	--	75[d]	0
				M	8.8	9.4	28.7	32.5	10.6	111	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	17.7	10.4	25.2	28.9	9.8	102	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1815	-LHW	S	0	15.6	22.0	28.6	11.3	128	4.3	8.3	0.03	<0.01	0.02	0.02	0.04	1	8	21	0	6	14[d]	21
				M	9.1	10.1	28.4	32.8	12.2	129	--	8.1	--	--	--	--	--	1	5	4	0	--	--	--
				D	18.3	10.4	27.8	31.9	10.2	108	--	8.0	--	--	--	--	--	2	7	8	0	--	--	--
	6/25/80	1135	+LLW	S	0	12.6	22.9	28.2	10.3	110	2.1	8.1	--	--	--	--	--	2	8	34	5	--	340	0
				M	7.6	9.8	28.9	32.6	11.0	116	--	8.0	--	--	--	--	--	1	8	8	9	--	--	--
				D	15.2	10.0	26.1	30.0	10.0	104	--	7.9	--	--	--	--	--	1	9	8	0	--	--	--
		1605	+LHW	S	0	12.8	24.7	31.1	10.8	118	3.0	8.1	--	--	--	--	--	2	7	25	5	--	120	0
				M	8.4	9.3	29.4	32.3	11.3	118	--	8.1	--	--	--	--	--	2	10	17	5	--	--	--
				D	16.8	10.4	26.4	30.0	10.0	105	--	8.0	--	--	--	--	--	2	6	4	0	--	--	--
	9/09/80	1235	+LLW	S	0	13.6	23.4	29.6	7.6	84	3.0	7.7	--	--	--	--	--	1	11	17	9	10	35	51
				M	8.2	11.5	29.8	34.8	7.1	78	--	7.7	--	--	--	--	--	1	13	13	9	--	--	--
				D	16.5	11.2	30.2	35.0	6.3	69	--	7.7	--	--	--	--	--	1	14	4	0	--	--	--
		1820	HHW	S	0	14.1	25.3	31.7	7.0	79	1.8	7.7	--	--	--	--	--	3	10	67	45	--	400[d]	46
				M	9.9	10.7	30.2	34.5	6.2	67	--	7.6	--	--	--	--	--	2	8	4	5	--	--	--
				D	19.8	11.0	28.2	32.4	5.8	62	--	7.6	--	--	--	--	--	1	9	4	0	--	--	--
	9/10/80	1400	+LLW	S	0	14.0	24.5	31.0	7.5	84	3.4	7.7	--	--	--	--	--	3	6	8	9	--	13[d]	62
				M	8.5	11.6	29.8	35.0	6.1	67	--	7.7	--	--	--	--	--	1	7	8	9	--	--	--
				D	17.1	10.8	31.0	35.5	5.3	58	--	7.8	--	--	--	--	--	1	14	13	5	--	--	--
		1810	+HHW	S	0	14.0	25.7	32.3	7.2	81	1.8	7.8	--	--	--	--	--	2	14	54	32	--	240	63
				M	10.4	10.4	29.6	34.5	5.9	63	--	7.8	--	--	--	--	--	2	8	4	5	--	--	--
				D	20.7	10.9	28.6	33.5	5.6	60	--	7.7	--	--	--	--	--	2	5	4	5	--	--	--
	3/10/81	0920	-HHW	S	0	7.5	22.6	24.3	--	--	3.7	7.7	--	--	--	--	--	2	10	13	5	--	21	11
				M	9.1	7.8	29.5	31.6	7.3	74	--	7.7	--	--	--	--	--	2	2	8	0	--	--	--
				D	18.3	7.8	26.0	28.4	--	--	--	7.7	--	--	--	--	--	2	6	4	5	--	--	--
		1512	+LLW	S	0	8.7	23.4	26.0	--	--	3.2	7.8	--	--	--	--	--	2	21	8	5	--	--	--
				M	7.8	8.2	27.9	30.2	9.0	91	--	7.8	--	--	--	--	--	3	25	8	5	--	--	--
				D	15.5	8.4	27.9	30.2	--	--	--	7.7	--	--	--	--	--	2	25	4	0	--	--	--
	3/11/81	1020	-HHW	S	0	8.2	24.0	26.5	--	--	3.2	7.7	--	--	--	--	--	2	4	21	9	--	120	8
				M	9.1	7.8	29.8	32.0	7.5	76	--	7.7	--	--	--	--	--	1	10	4	0	--	--	--
				D	18.3	8.0	28.1	30.0	--	--	--	7.7	--	--	--	--	--	1	14	8	0	--	--	--
		1554	+LLW	S	0	8.6	21.2	24.1	--	--	3.0	7.7	--	--	--	--	--	2	11	13	5	--	70	9
				M	7.8	8.3	26.5	29.1	11.0	110	--	7.7	--	--	--	--	--	3	4	13	9	--	--	--
				D	15.5	7.8	24.3	26.6	--	--	--	7.7	--	--	--	--	--	5	12	13	9	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
13	6/24/80	1315	+LLW	S	0	14.8	19.8	26.2	10.4	114	3.4	8.2	--	--	--	--	--	3	6	50	5	--	62[d]	8
				M	6.7	11.1	28.4	32.7	10.6	114	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	13.4	9.7	28.7	32.4	10.1	106	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1805	-LHW	S	0	12.8	26.3	32.0	12.3	136	4.0	8.3	<0.01	<0.01	0.02	<0.01	0.03	1	6	13	0	9	29	0
				M	7.6	10.5	28.4	32.8	12.0	128	--	8.1	--	--	--	--	--	2	6	8	0	--	--	--
				D	15.2	10.5	28.5	32.8	11.1	118	--	8.2	--	--	--	--	--	1	7	8	5	--	--	--
	6/25/80	1140	+LLW	S	0	12.3	11.9	15.2	10.4	104	2.1	7.6	--	--	--	--	--	2	8	17	0	--	620[d]	3
				M	7.3	11.2	28.2	32.6	10.9	118	--	8.0	--	--	--	--	--	2	12	4	0	--	--	--
				D	14.6	9.6	29.1	32.3	10.0	105	--	8.0	--	--	--	--	--	2	11	17	0	--	--	--
		1615	+LHW	S	0	12.9	25.1	30.9	10.9	119	4.0	8.1	--	--	--	--	--	2	8	21	0	--	49	2
				M	7.6	9.9	29.0	33.0	11.7	124	--	8.0	--	--	--	--	--	2	5	4	0	--	--	--
				D	15.2	9.7	27.4	30.6	10.2	105	--	8.0	--	--	--	--	--	2	8	4	0	--	--	--
	9/09/80	1355	+LLW	S	0	14.4	24.5	31.0	8.1	91	3.7	7.7	--	--	--	--	--	1	12	13	5	10	30	0
				M	7.9	12.4	27.6	33.4	7.5	83	--	7.7	--	--	--	--	--	2	11	8	5	--	--	--
				D	15.9	9.9	29.8	34.8	6.3	67	--	7.7	--	--	--	--	--	1	13	4	5	--	--	--
		1910	-HHW	S	0	14.1	24.1	30.4	7.9	88	3.7	7.6	--	--	--	--	--	1	8	13	5	--	3[d]	67
				M	7.9	10.7	29.9	34.6	6.0	65	--	7.6	--	--	--	--	--	1	12	4	5	--	--	--
				D	15.9	10.7	30.3	34.5	6.0	65	--	7.8	--	--	--	--	--	1	9	4	0	--	--	--
	9/10/80	1120	-LLW	S	0	14.0	23.5	29.6	7.0	78	2.4	7.6	--	--	--	--	--	1	10	21	9	--	49	6
				M	7.0	11.5	29.3	34.3	6.7	73	--	7.7	--	--	--	--	--	1	12	4	0	--	--	--
				D	14.0	11.0	30.5	35.3	5.8	63	--	7.6	--	--	--	--	--	1	9	4	5	--	--	--
		1730	+HHW	S	0	14.6	24.8	31.6	7.7	87	3.4	7.7	--	--	--	--	--	2	5	17	14	--	80[d]	53
				M	7.6	10.7	29.7	34.3	6.1	66	--	7.7	--	--	--	--	--	2	10	4	5	--	--	--
				D	15.2	12.3	26.5	31.4	5.5	60	--	7.7	--	--	--	--	--	1	6	4	5	--	--	--
	3/10/81	1015	-HHW	S	0	7.5	20.4	22.6	--	--	3.0	7.6	--	--	--	--	--	4	9	17	9	--	80	0
				M	7.6	7.8	29.4	31.5	7.9	80	--	7.7	--	--	--	--	--	3	20	4	5	--	--	--
				D	15.2	7.9	29.7	31.7	--	--	--	7.7	--	--	--	--	--	2	15	4	5	--	--	--
		1300	-LLW	S	0	7.7	16.2	18.3	--	--	1.8	7.8	--	--	--	--	--	4	23	13	5	--	42	10
				M	6.1	8.2	26.0	28.2	9.3	93	--	7.8	--	--	--	--	--	3	27	17	9	--	--	--
				D	12.2	8.1	26.2	28.7	--	--	--	7.8	--	--	--	--	--	2	26	13	9	--	--	--
	3/11/81	1127	-HHW	S	0	8.3	17.9	20.2	--	--	3.0	7.7	--	--	--	--	--	2	4	17	0	--	20	5
				M	6.9	7.9	29.8	31.6	7.3	74	--	7.7	--	--	--	--	--	4	12	8	0	--	--	--
				D	13.7	8.0	30.0	32.0	--	--	--	7.7	--	--	--	--	--	4	3	4	0	--	--	--
		1350	-LLW	S	0	8.0	17.5	19.8	--	--	2.4	7.6	--	--	--	--	--	2	10	13	9	--	54	7
				M	6.2	8.1	26.5	29.1	8.2	82	--	7.6	--	--	--	--	--	2	25	8	9	--	--	--
				D	12.5	8.3	27.6	30.1	--	--	--	7.7	--	--	--	--	--	2	21	13	9	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KESC
14	6/24/80	1400	+LLW	S	0	14.4	24.0	30.0	11.1	124	--	--	--	--	--	--	--	--	--	--	--	--	6[c]	17
				M	6.1	10.5	28.0	33.0	12.7	135	--	8.3	--	--	--	--	--	2	5	13	0	--	--	--
				D	12.2	9.8	24.1	28.3	11.7	119	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1900	-LHW	S	0	14.9	19.8	26.2	10.9	120	3.7	8.2	0.05	<0.01	0.02	0.01	0.04	1	5	17	0	8	6[d]	0
				M	6.2	11.0	27.7	32.6	11.4	122	--	8.1	--	--	--	--	--	2	7	8	0	--	--	--
				D	12.5	11.1	24.8	29.0	10.9	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/80	0955	LLW	S	0	12.2	8.1	10.7	10.4	101	2.1	--	--	--	--	--	--	--	--	--	--	--	840[d]	1
				M	5.5	--	24.3	29.2	10.8	--	--	8.1	--	--	--	--	--	2	16	13	0	--	--	--
				D	11.0	11.3	27.7	32.3	11.0	119	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1630	+LHW	S	0	12.8	24.0	29.5	12.2	132	3.0	--	--	--	--	--	--	--	--	--	--	--	36	0
				M	7.3	10.7	28.3	32.8	11.3	121	--	8.1	--	--	--	--	--	3	11	4	9	--	--	--
				D	14.6	10.2	26.2	30.2	10.7	112	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/09/80	1410	+LLW	S	0	14.8	7.2	10.4	8.8	90	2.7	7.7	--	--	--	--	--	2	12	17	9	11	46	4
				M	4.3	13.4	25.4	31.8	7.8	86	--	7.9	--	--	--	--	--	1	12	13	5	--	--	--
				D	8.5	13.3	25.3	32.0	7.7	85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1920	-HHW	S	0	13.6	22.9	28.8	7.5	82	3.0	--	--	--	--	--	--	--	--	--	--	--	26	58
				M	3.8	12.5	23.7	32.9	6.9	74	--	7.8	--	--	--	--	--	2	8	17	9	--	--	--
				D	7.6	11.6	29.2	34.1	6.8	74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/10/80	1450	+LLW	S	0	15.8	10.4	14.8	8.1	86	3.0	7.6	--	--	--	--	--	2	10	21	5	--	38	8
				M	5.8	13.8	25.5	32.0	8.3	93	--	7.5	--	--	--	--	--	1	7	17	9	--	--	--
				D	11.6	10.9	30.2	35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1920	-HHW	S	0	14.4	24.8	31.3	8.2	92	3.0	7.8	--	--	--	--	--	1	5	13	9	--	18[d]	33
				M	4.0	11.8	28.6	34.0	7.3	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	7.9	11.1	30.1	34.8	6.5	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/81	1033	-HHW	S	0	7.7	21.0	23.2	9.1	87	3.0	7.6	0.46	<0.01	0.02	0.05	0.05	3	8	8	5	--	120	16
				M	3.7	7.8	25.0	27.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	7.3	7.9	27.0	29.2	--	--	--	7.5	--	--	--	--	--	3	17	13	5	--	--	--
		1525	+LLW	S	0	7.0	3.0	3.6	11.1	93	1.7	8.1	0.53	<0.01	0.07	<0.01	0.04	6	11	21	9	7	76	0
				M	3.7	8.2	24.6	27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	7.3	8.0	25.2	27.6	9.6	95	--	7.7	--	--	--	--	--	3	16	8	0	--	--	--
	3/11/81	0845	-HHW	S	0	7.9	22.1	24.3	10.2	98	--	7.7	--	--	--	--	--	4	4	13	0	--	36	11
				M	7.0	7.8	29.6	31.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	14.0	7.7	29.6	31.6	8.0	81	--	7.7	--	--	--	--	--	3	22	4	0	--	--	--
		1607	+LLW	S	0	7.7	3.9	4.7	8.8	75	1.8	7.7	--	--	--	--	--	3	12	17	9	--	1[illegible]0	0
				M	2.9	9.2	24.9	24.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	5.8	7.9	24.6	27.0	--	--	--	7.7	--	--	--	--	--	4	10	21	5	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

						Field						Laboratory												
				Depth																				
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KES[c]
15	6/24/80	1420	+LLW	S	0	13.6	21.4	26.8	10.0	108	3.7	--	--	--	--	--	--	--	--	--	--	--	3[d]	0
				M	5.2	11.2	23.6	28.5	11.6	122	--	8.1	--	--	--	--	--	2	2	17	0	--	--	--
				D	10.4	11.4	24.4	29.5	11.6	123	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1925	-LHW	S	0	13.8	13.6	18.1	10.5	109	--	8.1	0.08	<0.01	0.02	<0.01	0.04	2	5	21	0	5	35	3
				M	4.6	11.4	27.6	32.5	10.9	118	--	8.1	--	--	--	--	--	3	7	13	0	--	--	--
				D	9.1	11.5	21.8	26.5	11.3	118	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/80	0940	LLW	S	0	12.2	4.0	5.5	10.0	95	1.7	--	--	--	--	--	--	--	--	--	--	--	1,000[d]	1
				M	3.0	12.4	4.5	6.3	11.0	105	--	7.7	--	--	--	--	--	5	37	17	0	--	--	--
				D	6.1	11.8	3.9	5.3	10.8	102	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1645	+LHW	S	0	13.3	20.4	26.2	11.0	118	2.7	--	--	--	--	--	--	--	--	--	--	--	48	4
				M	3.3	10.8	27.0	31.3	--	--	--	8.1	--	--	--	--	--	3	13	4	0	--	--	--
				D	7.5	9.0	19.9	23.9	11.3	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/09/80	1425	+LLW	S	0	14.6	9.2	12.5	8.1	83	2.7	7.7	--	--	--	--	--	2	12	17	5	8	100	10
				M	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1930	-HHW	S	0	14.0	23.3	29.6	7.6	84	1.4	7.8	--	--	--	--	--	1	14	17	5	--	19[d]	47
				M	3.0	13.0	25.9	31.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	6.1	12.4	26.7	32.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/10/80	1510	+LLW	S	0	14.9	14.3	19.7	8.0	85	2.1	7.4	--	--	--	--	--	1	4	21	9	--	39	8
				M	3.0	--	--	--	7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	6.1	13.1	18.6	23.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1935	-HHW	S	0	13.6	23.5	29.4	7.2	79	2.1	7.6	--	--	--	--	--	2	15	21	5	--	23	65
				M	2.7	12.8	26.3	32.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	5.5	12.3	27.4	33.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/81	1047	-HHW	S	0	7.8	18.0	20.0	10.0	94	--	7.4	0.50	<0.01	0.05	0.03	0.04	5	16	13	5	--	42	10
				M	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	4.6	7.9	25.6	27.9	--	--	--	7.6	--	--	--	--	--	4	24	13	5	--	--	--
		1555	+LLW	S	0	7.1	2.1	2.5	11.7	98	1.8	7.7	0.53	<0.01	0.06	0.01	0.03	5	12	21	9	6	50	4
				M	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/81	0830	-HHW	S	0	7.4	17.8	19.9	10.2	95	3.0	7.4	--	--	--	--	--	1	5	17	9	--	72	0
				M	3.0	7.8	26.6	28.8	--	--	--	7.7	--	--	--	--	--	2	15	13	9	--	--	--
				D	6.1	7.8	27.9	30.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1620	+LLW	S	0	7.5	1.9	2.5	7.5	63	1.5	7.4	--	--	--	--	--	3	5	25	0	--	82	0
				M	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	4.6	7.6	2.1	2.6	--	--	--	7.2	--	--	--	--	--	2	10	21	0	--	--	--

Table 15. Receiving water quality data collected during intensive surveys conducted at Port Gardner, Washington, as part of the ECOBAM project, 1980-81 (-- denotes parameter not measured or data missing).

				Depth		Field						Laboratory												
Station	Date	Time	Tide Stage[a]	Level[b]	Meters	Temp. (°C)	Salinity (o/oo)	Spec. Cond. (mmhos/cm)	D.O. (mg/L)	D.O. (% sat.)	Secchi (m)	pH (S.U.)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Turb. (NTU)	TSS (mg/L)	Color (units)	Pearl-Benson Index (mg/L)	Total Organic Carbon (mg/L)	Fecal Coliform (#/100 mL)	% KES[c]
16	6/24/80	1440	+LLW	S	0	14.9	21.3	28.0	11.2	125	3.8	8.3	--	--	--	--	--	2	6	29	0	--	1[d]	0
				M	10.7	9.9	28.5	32.9	11.8	124	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				D	18.3	9.4	27.5	31.2	11.2	116	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		1845	-LHW	S	0	14.5	23.2	29.4	12.4	139	3.8	8.5	<0.01	<0.01	0.02	<0.01	0.04	1	6	13	0	8	<1	0
				M	13.1	10.8	28.8	33.3	11.9	128	--	8.1	--	--	--	--	--	3	3	4	0	--	--	--
				D	18.3	10.7	28.2	33.0	11.5	123	--	8.1	--	--	--	--	--	2	5	4	5	--	--	--
	6/25/80	1225	+LLW	S	0	13.2	20.7	25.9	11.7	125	3.7	8.2	--	--	--	--	--	2	8	17	5	--	42	0
				M	9.1	10.1	28.5	32.5	10.8	114	--	8.1	--	--	--	--	--	1	6	8	0	--	--	--
				D	18.3	8.9	28.9	32.1	--	--	--	7.9	--	--	--	--	--	1	11	4	0	--	--	--
		1510	+LHW	S	0	13.7	22.3	27.9	12.2	133	4.0	8.3	--	--	--	--	--	2	5	17	0	--	21	5
				M	15.2	9.2	29.3	32.3	11.1	116	--	8.0	--	--	--	--	--	2	6	4	0	--	--	--
				D	33.5	--	--	--	--	--	--	8.0	--	--	--	--	--	3	6	4	0	--	--	--
	9/09/80	1330	+LLW	S	0	14.2	24.2	30.9	7.9	83	4.0	7.8	--	--	--	--	--	1	14	13	5	9	<1	0
				M	12.0	11.7	29.3	34.4	6.5	71	--	7.6	--	--	--	--	--	2	11	4	5	--	--	--
				D	24.1	10.7	27.0	31.8	6.1	65	--	7.5	--	--	--	--	--	2	16	4	0	--	--	--
		1855	-HHW	S	0	13.8	24.9	31.1	8.2	91	3.5	7.9	--	--	--	--	--	1	5	8	5	--	4[d]	50
				M	13.0	10.7	30.3	34.5	6.7	73	--	7.7	--	--	--	--	--	1	4	4	5	--	--	--
				D	25.9	10.2	30.3	34.4	5.6	60	--	7.8	--	--	--	--	--	1	14	4	0	--	--	--
	9/10/80	1100	-LLW	S	0	14.8	24.0	30.7	7.6	86	4.6	7.8	--	--	--	--	--	2	7	13	5	--	20[d]	0
				M	12.2	10.6	30.5	34.8	5.8	63	--	7.7	--	--	--	--	--	1	6	4	5	--	--	--
				D	24.4	10.4	30.7	34.8	5.4	58	--	7.7	--	--	--	--	--	1	11	4	0	--	--	--
		1720	+HHW	S	0	15.7	23.4	30.8	8.7	100	3.7	7.8	--	--	--	--	--	2	6	13	5	--	1[d]	0
				M	15.2	10.7	30.4	34.8	6.3	68	--	7.7	--	--	--	--	--	2	8	4	0	--	--	--
				D	30.5	11.8	29.8	34.6	5.5	61	--	7.7	--	--	--	--	--	2	12	4	0	--	--	--
	3/10/81	0956	-HHW	S	0	7.6	21.6	23.5	--	--	3.7	7.6	--	--	--	--	--	2	12	8	5	--	4[d]	0
				M	14.0	7.9	30.0	31.9	7.6	78	--	7.7	0.45	<0.01	0.01	0.05	0.06	2	17	4	5	--	--	--
				D	28.0	--	--	--	--	--	--	7.7	--	--	--	--	--	2	24	4	5	--	--	--
		1245	-LLW	S	0	9.6	22.4	25.8	--	--	3.7	7.6	--	--	--	--	--	2	12	13	5	--	2[d]	0
				M	13.4	8.2	29.4	32.9	9.2	94	--	7.7	0.41	<0.01	0.01	0.04	0.05	2	20	13	9	8	--	--
				D	26.8	9.3	24.2	29.4	--	--	--	7.7	--	--	--	--	--	1	4	4	5	--	--	--
	3/11/81	1118	-HHW	S	0	8.4	22.0	24.4	--	--	4.0	7.7	--	--	--	--	--	5	3	13	5	--	2[d]	0
				M	16.0	8.3	30.2	32.1	7.7	79	--	7.7	--	--	--	--	--	3	6	4	0	--	--	--
				D	32.0	8.0	29.9	32.0	--	--	--	7.7	--	--	--	--	--	2	8	4	5	--	--	--
		1325	-LLW	S	0	9.2	22.4	25.3	--	--	3.7	7.6	--	--	--	--	--	2	12	8	5	--	--	--
				M	11.4	8.4	30.2	32.1	8.9	92	--	7.6	--	--	--	--	--	2	7	8	5	--	--	--
				D	22.9	8.0	27.3	29.6	--	--	--	7.7	--	--	--	--	--	3	13	4	5	--	--	--

Table 15 footnotes:

[1]LLW = lower low water; LHW = lower high water; HHW = higher high water.
Prefix symbol indicates if tide is rising (+), falling (-), or within 20 minutes of slack water (no sign).

[2]S = Surface; M = mid-depth; D = depth or bottom.

[3]Percent of fecal coliform organisms that belong to one of the following genera: Klebsiella, Enterobacter, or Serratia.

[4]Estimated (FC count was less than the required minimum of 20 colonies per plate).

Table 16. Submarine photometer data collected during intensive surveys conducted at Port Gardner, WA, as part of the ECOBAM project, 1980-81 ("--" denotes parameter not measured).

Station	Date	Depth (m)	Deck Photocell (uW/cm^2)	Submersible Photocell (uW/cm^2)	Submersible Corrected[1/] (uW/cm^2)	Percent of Surface Intensity	Vertical Extinction Coefficient
1	09/10/80	0	41,000	47,000	47,000	100.0	2.7
		1	39,000	2,200	2,313	4.9	
		2	39,000	180	189	0.4	
		3	39,000	18	19	0.0	
	03/11/81	0	31,000	44,000	44,000	100.0	3.2
		1	31,000	750	750	1.7	
		2	32,000	120	116	0.3	
2	09/10/80	0	41,000	46,000	46,000	100.0	3.0
		1	38,000	2,250	2,428	5.3	
		2	38,000	105	113	0.2	
	03/11/81	0	30,500	36,000	36,000	100.0	1.2
		1	31,000	7,500	7,379	20.5	
		2	31,000	3,000	2,952	8.2	
		3	30,000	1,110	1,128	3.1	
		4	30,000	350	356	1.0	
3	09/10/80	0	31,000	30,000	30,000	100.0	2.5
		1	29,000	1,800	1,924	6.4	
		2	29,000	240	257	0.9	
	03/11/81	0	30,000	33,000	33,000	100.0	1.4
		1	30,000	6,300	6,300	19.1	
		2	30,000	1,740	1,740	5.3	
		3	30,000	540	540	1.6	
		4	31,000	147	142	0.4	
4	09/10/80	0	28,200	27,000	27,000	100.0	1.9
		1	26,400	2,460	2,628	9.7	
		2	27,600	470	480	1.8	
		3	31,000	153	139	0.5	
	03/11/81	0	28,000	31,000	31,000	100.0	1.7
		1	28,000	4,200	4,200	13.5	
		2	28,000	870	870	2.8	
		3	28,000	230	230	0.7	
5	09/10/80	0	31,000	33,000	33,000	100.0	1.7
		1	31,000	3,600	3,600	10.9	
		2	31,000	750	750	2.3	
		3	32,000	260	252	0.8	
		4	33,000	58	54	0.2	

Table 16. Continued.

Station	Date	Depth (m)	Deck Photocell (uW/cm^2)	Submersible Photocell (uW/cm^2)	Submersible Corrected[1/] (uW/cm^2)	Percent of Surface Intensity	Vertical Extinction Coefficient
5	03/11/81	0	27,000	27,000	27,000	100.0	1.2
		1	27,000	7,300	7,300	27.0	
		2	27,000	2,800	2,800	10.4	
		3	27,000	840	840	3.1	
		4	28,000	250	241	0.9	
6	09/10/80	0	38,000	41,000	41,000	100.0	1.4
		1	39,000	7,700	7,503	18.3	
		2	39,000	2,070	2,017	4.9	
		3	39,000	640	624	1.5	
		4	40,000	240	228	0.6	
	03/11/81	0	26,000	29,000	29,000	100.0	0.9
		1	26,000	8,700	8,700	30.0	
		2	26,000	3,400	3,400	11.7	
		3	26,000	1,680	1,680	5.8	
		4	26,000	840	840	2.9	
		5	26,000	400	400	1.4	
		6	24,000	186	202	0.7	
7	09/10/80	0	40,000	45,000	45,000	100.0	1.2
		1	40,000	12,300	12,300	27.3	
		2	40,000	4,200	4,200	9.3	
		3	39,000	1,440	1,477	3.3	
		4	37,000	360	389	0.9	
		5	37,000	93	101	0.2	
	03/11/81	0	26,000	29,000	29,000	100.0	0.9
		1	24,000	8,100	8,775	30.3	
		2	25,000	3,000	3,120	10.8	
		3	25,000	1,530	1,591	5.5	
		4	25,000	750	780	2.7	
		5	25,000	340	354	1.2	
		6	25,000	144	150	0.5	
8	09/10/80	0	38,000	44,000	44,000	100.0	0.8
		1	39,000	14,100	13,738	31.2	
		2	39,000	6,600	6,431	14.6	
		3	39,000	3,300	3,215	7.3	
		4	39,000	1,650	1,608	3.7	
		5	39,000	820	799	1.8	
		6	39,000	430	419	1.0	
	03/11/81	0	25,000	30,000	30,000	100.0	0.9
		1	25,000	7,500	7,500	25.0	
		2	25,000	3,700	3,700	12.3	
		3	25,000	1,890	1,890	6.3	
		4	25,000	1,110	1,110	3.7	

Table 16. Continued.

Station	Date	Depth (m)	Deck Photocell (uW/cm^2)	Submersible Photocell (uW/cm^2)	Submersible Corrected[1/] (uW/cm^2)	Percent of Surface Intensity	Vertical Extinction Coefficient
9	09/10/80	0	39,000	47,000	47,000	100.0	0.9
		1	39,000	14,400	14,400	30.6	
		2	39,000	6,600	6,600	14.0	
		3	39,000	3,100	3,100	6.6	
		4	39,000	1,530	1,530	3.3	
		5	39,000	730	730	1.6	
		6	39,000	340	340	0.7	
	03/11/81	0	23,000	31,000	31,000	100.0	1.1
		1	23,000	5,100	5,100	16.5	
		2	23,000	2,100	2,100	6.8	
		3	23,000	900	900	2.9	
		4	23,000	420	420	1.4	
		5	23,000	210	210	0.7	
10	09/10/80	0	37,000	44,000	44,000	100.0	0.8
		1	37,000	11,400	11,400	25.9	
		2	37,000	5,800	5,800	13.2	
		3	37,000	2,700	2,700	6.1	
		4	37,000	1,410	1,410	3.2	
		5	37,000	670	670	1.5	
		6	37,000	380	380	0.9	
	03/11/81	0	36,000	42,000	42,000	100.0	0.7
		1	36,000	10,500	10,500	25.0	
		2	36,000	5,300	5,300	12.6	
		3	36,000	3,200	3,200	7.6	
		4	35,000	2,000	2,057	4.9	
		5	36,000	960	960	2.3	
		6	36,000	600	600	1.4	
		7	36,000	320	320	0.8	
11	09/10/80	0	39,000	44,000	44,000	100.0	0.7
		1	39,000	13,800	13,800	31.4	
		2	39,000	6,100	6,100	13.9	
		3	39,000	3,000	3,000	6.8	
		4	39,000	1,800	1,800	4.1	
		5	39,000	1,200	1,200	2.7	
		6	39,000	780	780	1.8	
		7	37,000	510	538	1.2	
		8	37,000	370	390	0.9	
	03/11/81	0	34,000	36,000	36,000	100.0	0.9
		1	34,000	7,800	7,800	21.7	
		2	34,000	3,400	3,400	9.4	
		3	34,000	1,560	1,560	4.3	
		4	34,000	840	840	2.3	
		5	34,000	420	420	1.2	
		6	34,000	210	210	0.6	

Table 16. Continued.

Station	Date	Depth (m)	Deck Photocell (uW/cm^2)	Submersible Photocell (uW/cm^2)	Submersible Corrected[1/] (uW/cm^2)	Percent of Surface Intensity	Vertical Extinction Coefficient
12	09/10/80	0	48,000	47,000	47,000	100.0	0.7
		1	39,000	16,000	19,692	41.9	
		2	39,000	7,300	8,985	19.1	
		3	39,000	4,100	5,046	10.7	
		4	39,000	2,370	2,917	6.2	
		5	39,000	1,380	1,698	3.6	
		6	39,000	770	948	2.0	
		7	39,000	420	517	1.1	
		8	39,000	250	308	0.7	
	03/11/81	0	21,300	27,300	27,300	100.0	1.1
		1	21,300	4,400	4,400	16.1	
		2	21,300	2,000	2,000	7.3	
		3	21,300	960	960	3.5	
		4	21,300	420	420	1.5	
		5	21,900	192	187	0.7	
13	09/10/80	--	--	--	--	--	--
	03/11/81	0	32,000	37,000	37,000	100.0	1.1
		1	37,000	8,700	7,524	20.3	
		2	37,000	2,500	2,162	5.8	
		3	37,000	1,140	986	2.7	
		4	36,000	550	489	1.3	
		5	36,000	300	267	0.7	
14	09/10/80	0	37,000	43,000	43,000	100.0	0.8
		1	37,000	13,500	13,500	31.4	
		2	37,000	6,500	6,500	15.1	
		3	37,000	3,200	3,200	7.4	
		4	36,000	1,800	1,850	4.3	
		5	37,000	930	930	2.2	
		6	37,000	450	450	1.0	
		7	37,000	200	200	0.5	
	03/11/81	0	20,700	27,000	27,000	100.0	1.2
		1	20,100	3,000	3,090	11.4	
		2	20,100	1,170	1,205	4.5	
		3	20,100	610	628	2.3	
		4	20,100	320	330	1.2	
15	09/10/80	0	38,000	43,000	43,000	100.0	1.3
		1	37,000	10,500	10,784	25.1	
		2	37,000	3,500	3,595	8.4	
	03/11/81	0	18,000	13,500	13,500	100.0	1.4
		1	18,000	2,100	2,100	15.6	
		2	18,000	1,050	1,050	7.8	

Table 16. Continued.

Station	Date	Depth (m)	Deck Photocell (uW/cm^2)	Submersible Photocell (uW/cm^2)	Submersible Corrected[1/] (uW/cm^2)	Percent of Surface Intensity	Vertical Extinction Coefficient
16	09/10/80	0	36,500	48,500	48,500	100.0	0.4
		1	37,500	19,000	18,493	38.1	
		2	37,000	9,750	9,618	19.8	
		3	37,000	5,200	5,130	10.6	
		4	37,500	4,150	4,039	8.3	
		5	38,000	3,150	3,026	6.2	
		6	38,500	2,400	2,275	4.7	
		7	38,500	1,845	1,749	3.6	
		8	39,000	1,350	1,263	2.6	
		9	39,000	1,110	1,039	2.1	
		10	39,000	870	814	1.7	
		11	39,000	705	660	1.4	
		12	39,000	585	548	1.1	
		13	39,000	470	440	0.9	
		14	39,000	370	346	0.7	
	03/11/81	0	35,000	46,000	46,000	100.0	0.6
		1	35,000	17,000	17,000	37.0	
		2	36,000	8,400	8,167	17.8	
		3	36,000	4,800	4,667	10.1	
		4	36,000	2,800	2,722	5.9	
		5	35,500	1,590	1,568	3.4	
		6	36,000	960	933	2.0	
		7	36,000	620	603	1.3	
		8	36,000	360	350	0.8	

[1/] Submersible readings corrected for changes in deck photocell readings as follows:

$$\text{Corrected Submersible Reading at Depth } Z = \text{Submersible Reading at Depth } Z \times \frac{\text{Deck Reading at Depth 0}}{\text{Deck Reading at Depth } Z}$$

Table 17. Wastewater quality data collected from point sources in the vicinity of Port Gardner, WA, as part of the ECOBAM project, 1980-81 ("--" denotes parameters not measured or data missing). Replicate samples are separated by semicolons.

Source	Date	Sample Type[1]	Flow (MGD)	pH (S.U.)	Cond. (mmhos/cm)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Total Solids (mg/L)	TNVS (mg/L)	TSS (mg/L)	TNVSS (mg/L)	Turb. (NTU)	Color (units)	PBI (mg/L)	TOC (mg/L)	Oil & Grease (mg/L)	BOD (mg/L)	Fecal Coliforms (#/100 mL)	Percent KES[2]
Scott Outfall 001	6/24/80	G	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; 60[3]	0; 0
	6/25/80	C	5.2	7.1	0.3	<0.10	<0.10	1.0	0.80	0.90	--	--	41	--	--	160	230	79	--	47	--	--
		G	5.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6; 9	--	≥160; >1,200	--
	6/26/80	C	5.1	7.0	0.2	--	--	--	--	--	--	--	26	--	--	160	340	--	--	44	--	--
	9/09/80	G	4.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	90[3]; 230	≥44; ≥9
	9/10/80	C	5.4	6.8	0.3	<0.10	<0.10	1.6	0.40	0.53	--	--	74	--	--	300	370	64	--	180	--	--
		G	4.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; <10	--	120[3]; 160[3]	33; 31
	9/11/80	C	4.5	6.7	0.3	--	--	--	--	--	--	--	46	--	--	260	940	--	--	<100	--	--
	3/10/81	G	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100; 200	75; 4
	3/11/81	C	9.2	6.7	0.3	<0.05	<0.05	2.3	0.45	0.80	--	--	54	--	--	210	1100	86	--	62	--	--
		G	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1; 8	--	120; 180	56; 3
	3/12/81	C	8.7	6.7	0.3	--	--	--	--	--	340	180	30	<1	--	240	1300	--	--	61	--	--
Scott Outfall 003	6/24/80	G	5.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; 40[3]	0; 25
	6/25/80	C	4.8	7.0	0.3	<0.10	<0.10	0.80	0.90	1.2	--	--	47	--	--	160	250	80	--	42	--	--
		G	6.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6; 8	--	>1,200; >1,200	--
	6/26/80	C	5.1	6.9	0.4	--	--	--	--	--	--	--	28	--	--	160	310	--	--	35	--	--
	9/09/80	G	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150[3]; 310	≥40; ≥39
	9/10/80	C	8.1	6.9	0.3	<0.10	<0.10	0.60	--	0.29	--	--	39	--	--	240	390	56	--	<40	--	--
		G	7.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; <10	--	150[3]; 400	47; 73
	9/11/80	C	7.3	7.1	0.2	--	--	--	--	--	--	--	42	--	--	210	840	--	--	56	--	--
	3/10/81	G	4.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130; 160	12; 0
	3/11/81	C	3.3	7.0	0.2	<0.05	<0.05	2.6	--	--	--	--	37	--	--	180	980	69	--	58	--	--
		G	5.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1; 11	--	<5; 210	--; 24
	3/12/81	C	2.2	6.9	0.2	--	--	--	--	--	300	170	28	<1	--	170	980	--	--	42	--	--

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Source	Date	Sample Type[1]	Flow (MGD)	pH (S.U.)	Cond. (mmhos/cm)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Total Solids (mg/L)	TNVS (mg/L)	TSS (mg/L)	TNVSS (mg/L)	Turb. (NTU)	Color (units)	PBI (mg/L)	TOC (mg/L)	Oil & Grease (mg/L)	BOD (mg/L)	Fecal Coliforms (#/100 mL)	Percent KES[2]
Scott Outfall 004	6/24/80	G	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; <10	0; 0
	6/25/80	C	5.2	6.7	0.4	<0.10	<0.10	0.80	1.5	1.5	--	--	87	--	--	38	18	83	--	68	--	--
		G	6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11; 14	--	≥120; ≥400	33; 100
	6/26/80	C	5.9	6.9	0.5	--	--	--	--	--	--	--	74	--	--	21	27	--	--	62	--	--
	9/09/80	G	6.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; 10[3]	--; 100
	9/10/80	C	5.7	6.4	0.5	0.10	<0.10	0.60	0.80	0.89	--	--	110	--	--	42	68	92	--	95	--	--
		G	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3; <10	--	<10; <10	--
	9/11/80	C	6.9	6.7	0.5	--	--	--	--	--	--	--	24	--	--	63	95	--	--	100	--	--
	3/10/81	G	5.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1[3]; 14[3]	100; 100
	3/11/81	C	5.3	6.6	0.5	0.15	<0.05	0.65	--	--	--	--	110	--	--	38	120	94	--	110	--	--
		G	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13; 17	--	<1; 1[3]	--
	3/12/81	C	5.1	7.0	0.5	--	--	--	--	--	540	290	85	2	--	42	140	--	--	88	--	--
Scott Outfall 008	6/24/80	G	15.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22,000; 310,000	14; 35
	6/25/80	C	15.0	7.5	2.2	<0.10	0.10	2.0	1.7	1.9	--	--	69	--	--	3,600	820	360	--	15	--	--
		G	14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	27,000; 32,000	33; 59
	6/26/80	C	14.9	7.5	2.4	--	--	--	--	--	--	--	84	--	--	3,400	220	--	--	16	--	--
		G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29	--	--	--
	9/09/80	G	14.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40,000; 1,100,000[3]	98; ≥88
	9/10/80	C	13.1	7.4	2.6	<0.10	<0.10	10.2	--	1.5	--	--	370	--	--	4,000	2,200	560	--	28	--	--
		G	14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; <10	--	550,000; 940,000[3]	93; 83
	9/11/80	C	14.1	7.5	2.4	--	--	--	--	--	--	--	89	--	--	3,500	2,000	--	--	13	--	--
	3/10/81	G	12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	530,000[3]; 840,000	2; 33
	3/11/81	C	11.5	7.2	2.9	0.01	0.10	3.2	1.6	2.4	--	--	120	--	--	4,500	2,300	440	--	41	--	--
		G	10.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1; 3	--	230,000; 500,000	9; 4
	3/12/81	C	11.3	7.5	0.3	--	--	--	--	--	2,900	2,100	87	<1	--	4,100	290	--	--	36	--	--

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Source	Date	Sample Type[1]	Flow (MGD)	pH (S.U.)	Cond. (mmhos/cm)	NO_3-N (mg/L)	NO_2-N (mg/L)	NH_3-N (mg/L)	O-PO_4-P (mg/L)	T-PO_4-P (mg/L)	Total Solids (mg/L)	TNVS (mg/L)	TSS (mg/L)	TNVSS (mg/L)	Turb. (NTU)	Color (units)	PBI (mg/L)	TOC (mg/L)	Oil & Grease (mg/L)	BOD (mg/L)	Fecal Coliforms (#/100 mL)	Percent KES[2]
Weyer-haeuser Outfall 001	6/24/80	G	3.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	≥5,500; ≥39,000	4; 8
	6/25/80	C	3.7	7.3	1.5	--	--	--	--	--	1,700	1,000	28	3	--	3,300	1,900	360	--	63	--	--
		G	3.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8; 15	--	52,000; 420,000	10; 5
	6/26/80	C	3.2	6.9	1.6	--	--	--	--	--	--	--	49	--	--	3,000	1,000	--	--	100	--	--
	9/09/80	G	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,400; 70,000	0; ≥57
	9/10/80	C	5.0	7.4	1.9	<0.10	<0.10	0.30	--	1.4	--	--	45	--	--	2,900	4,600	440	--	130	--	--
		G	3.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10; <10	--	30,000[3]	100
	9/11/80	C	4.3	7.4	1.7	--	--	--	--	--	--	--	57	--	--	3,100	4,900	--	--	120	--	--
Everett Sewage Treat-ment Plant	6/24/80	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	120; 140	0; 0
	6/25/80	C	16.4	--	0.4	0.50	0.30	10	4.4	4.7	--	--	31	--	--	130	23	29	--	24	--	--
		G	--	--	--	<0.10	0.10	1.0	5.2	5.4	--	--	--	--	--	--	--	--	--	--	120; 180	13; 5
	6/26/80	C	11.5	8.3	0.4	--	--	--	--	--	--	--	27	--	--	143	68	--	--	27	--	--
	9/09/80	G	9.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	170; 300[3]	0; 0
	9/10/80	C	9.4	8.9	0.3	0.10	0.10	7.8	5.3	5.5	--	--	29	--	--	88	14	32	--	9	--	--
		G	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	170	3
	9/11/80	C	10.6	8.9	0.3	--	--	--	--	--	--	--	31	--	--	88	480	--	--	12	--	--
	3/10/81	G	12.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30[3]; 40[3]	0;0
	3/11/81	C	10.9	8.2	0.4	<0.05	<0.05	9.0	2.9	3.5	--	--	22	--	--	210	36	28	--	31	--	--
		G	12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1; 52	--; 19
	3/12/81	C	12.0	8.4	0.4	--	--	--	--	--	--	--	18	--	--	210	110	--	--	<10	--	--

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Tideland Fill Area Runoff (Bank Flow)	6/30/80	G	<0.1	6.7	13.3	--	--	--	--	--	8,800	7,400	10	1	23	800	32	--	2; 6; 6	15[3]	8[3]	--
	9/09/80	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	160[3]	31
	9/10/80	G	--	6.5	12.2	<0.10	<0.10	3.1	--	0.87	9,900	7,000	28	9	4	280	520	--	<1; 3	24	--	--
	3/10/81	G	<0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	290	3
	3/11/81	G	--	6.8	16.1	<0.05	<0.05	2.2	0.40	0.50	13,000	10,000	2	<1	36	120	72	15	12; 14	30	150	13
Tideland Fill Area Runoff (Culvert Flow)	3/10/81	G	<0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	340	0
	3/11/81	G	--	6.9	17.1	<0.05	<0.05	4.9	0.80	0.80	14,000	11,000	6	2	10	180	81	20	<1; 4	20	410	13

[1]C = 24-hour composite; G = grab sample or instantaneous measurement.

[2]Percent of fecal coliform organisms that belong to one of the following genera: Klebsiella, Enterobacter, or Serratia.

[3]Estimated (if parameter is FC, then value was estimated because FC count was less than the required minimum of 20 colonies per plate).